

Envirocheck[®] Report:

Mining and Ground Stability Datasheet

Order Details:

Order Number:

26400716_1_1

Customer Reference:

99120

National Grid Reference:

418640, 417450

Slice:

A

Site Area (Ha):

0.01

Search Buffer (m):

1000

Site Details:

Site at 418700, 417400

Client Details:

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Report Section and Details	Page Number
Summary	-
<p>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.</p> <p>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).</p>	
Mining and Natural Cavities Data	1
<p>The Mining and Natural Cavities Data section features data sets related to the existence of mining areas and their potential hazards.</p> <p>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.</p>	
Historical Land Use Information (1:2,500)	4
<p>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.</p> <p>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.</p>	
Historical Land Use Information (1:10,000)	5
<p>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.</p> <p>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.</p>	
Ground Stability Data (1:50,000)	7
<p>The Ground Stability (1:50,000) section consists of the 6 BGS Geosure data sets, each reporting potential hazards up to 250m and plotted onto the 3 separate maps.</p> <p>Also included in this section are the brine and salt mining data sets, of which Brine Pumping Related Features and Salt Mining Related Features are plotted.</p>	
Historical Map List	9
<p>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.</p>	
Data Currency	10
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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	2
Coal Mining Affected Areas	pg 1	Yes	n/a	n/a	n/a
Mining Instability		Yes	n/a	n/a	n/a
Natural and Mining Cavities					
Potential Mining Areas	pg 2	5	6	1	8
Shallow Mining Hazards	pg 3	Yes		n/a	n/a
Historical Land Use Information (1:2,500)					
Extractive Industries Activity from 1855 - 1909 (100m)	pg 4		1	n/a	n/a
Extractive Industries Activity from 1893 - 1915 (100m)	pg 4		1	n/a	n/a
Extractive Industries Activity from 1906 - 1937 (100m)	pg 4		1	n/a	n/a
Extractive Industries Activity from 1924 - 1949 (100m)				n/a	n/a
Extractive Industries Activity from 1950 - 1980 (100m)	pg 4		4	n/a	n/a
Subterranean Features (100m)				n/a	n/a
Historical Land Use Information (1:10,000)					
Air Shafts	pg 5		1		
Disturbed Ground					
General Quarrying	pg 5		1	4	5
Heap, unknown constituents	pg 5				1
Mineral Railway					
Mining & quarrying general	pg 5				1
Mining of coal & lignite	pg 5				2
Quarrying of sand & clay, operation of sand & gravel pits	pg 5		1	1	
Former Marshes					
Potentially Infilled Land (Non-Water)	pg 5		2	5	6
Potentially Infilled Land (Water)	pg 6				3
Ground Stability Data (1:50,000)					
Brine Compensation Area			n/a	n/a	n/a
Brine Pumping Related Features					
Potential for Collapsible Ground Stability Hazards				n/a	n/a
Potential for Compressible Ground Stability Hazards		Yes	Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards		Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards		Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards		Yes	Yes	n/a	n/a
Salt Mining Related Features					

Report Version v36.0

Map ID	Details	Quadrant Reference (Compass)	Estimated Distance From Site	Contact	NGR
1	BGS Recorded Mineral Sites Site Name: Kirkheaton Location: Lane Side, Kirkheaton, Huddersfield Source: British Geological Survey, National Geoscience Information Service Reference: 2568 Type: Opencast Status: Ceased Operator: Elliott'S Estates Ltd Operator Location: 25 Fenay Bridge Road, Lepton, Huddersfield, Hd8 0ay Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A13NW (W)	41	1	418600 417450
2	BGS Recorded Mineral Sites Site Name: Kirkheaton Fireclay Mine Location: Kirkheaton, Huddersfield Source: British Geological Survey, National Geoscience Information Service Reference: 13854 Type: Underground And Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation Commodity: Fireclay Positional Accuracy: Located by supplier to within 10m	A13NW (NW)	297	1	418430 417655
3	BGS Recorded Mineral Sites Site Name: Lower Hall Location: Lower Hall Farm, Lascelles, Huddersfield Source: British Geological Survey, National Geoscience Information Service Reference: 13858 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Grenoside Sandstone, Pennine Lower Coal Measures Formation Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A8NW (SW)	448	1	418430 417050
4	BGS Recorded Mineral Sites Site Name: Lower Hall Fireclay Mine Location: Lascelles, Huddersfield Source: British Geological Survey, National Geoscience Information Service Reference: 13857 Type: Underground And Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation Commodity: Fireclay Positional Accuracy: Located by supplier to within 10m	A8NW (S)	598	1	418480 416870
5	BGS Recorded Mineral Sites Site Name: Hill Top Location: Kirkheaton, Huddersfield Source: British Geological Survey, National Geoscience Information Service Reference: 13855 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Grenoside Sandstone, Pennine Lower Coal Measures Formation Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A12NW (W)	850	1	417820 417665
	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.	(W)	0	2	413000 417000
	Mining Instability Mining Evidence: Inconclusive Coal Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	A18SE (N)	0	3	418641 418000
	Mining Instability Mining Evidence: Conclusive Rock Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	A18SE (N)	0	3	418641 418000

Map ID	Details	Quadrant Reference (Compass)	Estimated Distance From Site	Contact	NGR
6	Potential Mining Areas Name: Lane Side Ceased Operation: 1928 Commodity: Coal; Better Bed Reference: 9552 Alternate Name/Mine: Not Supplied Custodian: Not Supplied	A13SW (S)	0	4	418637 417261
7	Potential Mining Areas Name: Lane Side Ceased Operation: 1877 Commodity: Coal; Better Bed; Black Bed Reference: Not Supplied Alternate Name/Mine: Bell String Custodian: Joseph Archer and Son, 9 Albion Place, Bennethorpe, Doncaster.	A13SW (W)	0	4	418635 417446
8	Potential Mining Areas Name: Lodge Mill Ceased Operation: 1930 Commodity: Coal; Black Bed Reference: 10062 Alternate Name/Mine: Combes Bank or Black Horse Custodian: Not Supplied	A13SW (W)	0	4	418635 417446
9	Potential Mining Areas Name: Whitley Beaumont (Estate) Ceased Operation: Not Supplied Commodity: Coal; Better Bed; Black Bed Reference: Not Supplied Alternate Name/Mine: Not Supplied Custodian: Joseph Archer and Son, 9 Albion Place, Bennethorpe, Doncaster.	A13SW (W)	0	4	418635 417446
10	Potential Mining Areas Name: Bellstring No.1 Ceased Operation: 1938 Commodity: Fireclay; Better Bed Reference: 12260 Alternate Name/Mine: Not Supplied Custodian: Not Supplied	A13SW (W)	0	4	418635 417446
11	Potential Mining Areas Name: Lane Side or Bell String Ceased Operation: 1930 Commodity: Fireclay; Better Bed Reference: 10241 Alternate Name/Mine: Not Supplied Custodian: Not Supplied	A13SW (W)	6	4	418635 417446
12	Potential Mining Areas Name: Hall Lower Ceased Operation: 1895 Commodity: Coal; Better Bed Reference: Not Supplied Alternate Name/Mine: Not Supplied Custodian: Joseph Archer and Son, 9 Albion Place, Bennethorpe, Doncaster.	A13SE (S)	184	4	418643 417261
13	Potential Mining Areas Name: Gawthorpe Green Ceased Operation: 1929 Commodity: Coal; Better Bed Reference: 10367 Alternate Name/Mine: Not Supplied Custodian: Not Supplied	A13SE (S)	184	4	418643 417261
14	Potential Mining Areas Name: Mallinson's Ceased Operation: 1923 Commodity: Coal; Better Bed Reference: Not Supplied Alternate Name/Mine: Not Supplied Custodian: Joseph Archer and Son, 9 Albion Place, Bennethorpe, Doncaster.	A13SE (S)	184	4	418643 417261
15	Potential Mining Areas Name: Hall Lower Ceased Operation: 1896 Commodity: Coal; Better Bed Reference: 3500 Alternate Name/Mine: Not Supplied Custodian: Not Supplied	A13SW (S)	185	4	418637 417261

Map ID	Details	Quadrant Reference (Compass)	Estimated Distance From Site	Contact	NGR
16	Potential Mining Areas Name: Cockley Hill Ceased Operation: 1844 Commodity: Coal; Seam unnamed Reference: Not Supplied Alternate Name/Mine: Not Supplied Custodian: Joseph Archer and Son, 9 Albion Place, Bennethorpe, Doncaster.	A13NW (N)	218	4	418638 417663
17	Potential Mining Areas Name: Gawthorpe Green Ceased Operation: 1875 Commodity: Coal; Low Moor Black Bed Reference: Not Supplied Alternate Name/Mine: Not Supplied Custodian: Joseph Archer and Son, 9 Albion Place, Bennethorpe, Doncaster.	A14SW (SE)	437	4	419040 417266
18	Potential Mining Areas Name: Ledgard Bridge Ceased Operation: 1886 Commodity: Coal; Black Bed Reference: 1839 Alternate Name/Mine: Not Supplied Custodian: Not Supplied	A18SW (N)	620	4	418633 418066
19	Potential Mining Areas Name: Heaton Hall Ceased Operation: 1890 Commodity: Coal; Low Moor Better Bed; Low Moor Black Bed Reference: 11053 Alternate Name/Mine: Colne Bridge Alternate Name/Mine: Helm Custodian: Not Supplied	A18SW (N)	620	4	418633 418066
20	Potential Mining Areas Name: Helm Ceased Operation: 1922 Commodity: Coal; Better Bed Reference: 6787 Alternate Name/Mine: Not Supplied Custodian: Not Supplied	A18SW (N)	620	4	418633 418066
21	Potential Mining Areas Name: Wheatley's Ceased Operation: 1867 Commodity: Coal; Low Moor Black Bed Reference: Not Supplied Alternate Name/Mine: Not Supplied Custodian: Joseph Archer and Son, 9 Albion Place, Bennethorpe, Doncaster.	A18SW (N)	620	4	418633 418066
22	Potential Mining Areas Name: Sheard's Ceased Operation: 1826 Commodity: Coal; Low Moor Black Bed Reference: Not Supplied Alternate Name/Mine: Not Supplied Custodian: Joseph Archer and Son, 9 Albion Place, Bennethorpe, Doncaster.	A9NW (SE)	708	4	419045 416864
23	Potential Mining Areas Name: Gregory Spring Ceased Operation: 1887 Commodity: Coal; Low Moor Black Bed Reference: 2056 Alternate Name/Mine: Not Supplied Custodian: Not Supplied	A19SW (NE)	736	4	419029 418071
24	Potential Mining Areas Name: Gregory Spring Ceased Operation: 1867 Commodity: Coal; Black Bed Reference: Not Supplied Alternate Name/Mine: Not Supplied Custodian: Greaves and Greaves, 69 Westgate, Wakefield.	A14NE (E)	827	4	419437 417674
25	Potential Mining Areas Name: Sheard's Ceased Operation: 1868 Commodity: Coal; Low Moor Black Bed Reference: Not Supplied Alternate Name/Mine: Not Supplied Custodian: Joseph Archer and Son, 9 Albion Place, Bennethorpe, Doncaster.	A8SE (S)	989	4	418654 416457
	Shallow Mining Hazards Risk: Low-Moderate Source: British Geological Survey, National Geoscience Information Service	A8SE (S)	0	1	418681 416586

Historical Land Use Information (1:2,500)

Map ID	Details	Quadrant Reference (Compass)	Estimated Distance From Site	Contact	NGR
26	Extractive Industries Activity from 1855 - 1909 Use: Extraction - Shaft - N/A First Map Published 1893 Date: Last Map Published Not Applicable Date: Status: N	A13NW (W)	95	-	418548 417465
27	Extractive Industries Activity from 1893 - 1915 Use: Extraction - Shaft - N/A First Map Published 1907 Date: Last Map Published Not Applicable Date: Status: N	A13NW (W)	94	-	418549 417465
28	Extractive Industries Activity from 1906 - 1937 Use: Extraction - Shaft - N/A First Map Published 1919 Date: Last Map Published Not Applicable Date: Status: N	A13NW (W)	93	-	418550 417467
29	Extractive Industries Activity from 1950 - 1980 Use: Extraction - Unspecified Pit - N/A First Map Published 1961 Date: Last Map Published N/A Date: Status: N	A13SW (SW)	41	-	418608 417422
30	Extractive Industries Activity from 1950 - 1980 Use: Waste - Unspecified Deposited Material - N/A First Map Published 1961 Date: Last Map Published N/A Date: Status: N	A13SE (S)	51	-	418643 417395
31	Extractive Industries Activity from 1950 - 1980 Use: Extraction - Shaft - N/A First Map Published 1961 Date: Last Map Published N/A Date: Status: N	A13NW (W)	92	-	418551 417466
32	Extractive Industries Activity from 1950 - 1980 Use: Extraction - Unspecified Disturbed Land - N/A First Map Published 1961 Date: Last Map Published N/A Date: Status: N	A13SE (SE)	97	-	418682 417358

Historical Land Use Information (1:10,000)

Map ID	Details	Quadrant Reference (Compass)	Estimated Distance From Site	Contact	NGR
33	Air Shafts Use: Not Supplied Date of Mapping: 1908	A13NW (W)	95	-	418547 417463
34	General Quarrying Use: Not Supplied Date of Mapping: 1894 - 1956	A13SW (S)	106	-	418633 417340
35	General Quarrying Use: Not Supplied Date of Mapping: 1855	A13SW (SW)	279	-	418383 417338
36	General Quarrying Use: Not Supplied Date of Mapping: 1855 - 1956	A8NW (S)	390	-	418564 417063
37	General Quarrying Use: Not Supplied Date of Mapping: 1855	A8NW (SW)	446	-	418455 417040
38	General Quarrying Use: Not Supplied Date of Mapping: 1938	A12SE (SW)	454	-	418293 417154
39	General Quarrying Use: Not Supplied Date of Mapping: 1855	A14NW (E)	583	-	419223 417475
40	General Quarrying Use: Not Supplied Date of Mapping: 1855 - 1894	A17SE (NW)	597	-	418178 417824
41	General Quarrying Use: Not Supplied Date of Mapping: 1855	A14NE (E)	906	-	419536 417590
42	General Quarrying Use: Not Supplied Date of Mapping: 1855	A18NE (N)	939	-	418706 418382
43	General Quarrying Use: Not Supplied Date of Mapping: 1855	A7SE (SW)	960	-	418009 416723
44	Heap, unknown constituents Use: Not Supplied Date of Mapping: 1908 - 1938	A7NW (SW)	956	-	417800 416991
45	Mining & quarrying general Use: Not Supplied Date of Mapping: 1938	A8NE (S)	549	-	418794 416919
46	Mining of coal & lignite Use: Not Supplied Date of Mapping: 1855	A8SE (S)	770	-	418723 416680
47	Mining of coal & lignite Use: Not Supplied Date of Mapping: 1855	A18NE (N)	874	-	418874 418288
48	Quarrying of sand & clay, operation of sand & gravel pits Use: Not Supplied Date of Mapping: 1894	A13NW (NW)	200	-	418557 417627
49	Quarrying of sand & clay, operation of sand & gravel pits Use: Not Supplied Date of Mapping: 1908	A13SW (W)	300	-	418341 417441
50	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1989	A13SE (S)	111	-	418666 417338
51	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1989	A13NW (NW)	200	-	418557 417627
52	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1989	A13SW (SW)	279	-	418383 417338
53	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1989	A13SW (W)	300	-	418341 417441

Historical Land Use Information (1:10,000)

Map ID	Details	Quadrant Reference (Compass)	Estimated Distance From Site	Contact	NGR
54	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1989	A8NW (S)	390	-	418564 417063
55	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1989	A8NW (SW)	446	-	418455 417040
56	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1989	A12SE (SW)	454	-	418293 417154
57	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1989	A17SE (NW)	597	-	418178 417824
58	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1989	A17SE (NW)	674	-	418158 417916
59	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1989	A8SE (S)	770	-	418723 416680
60	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1989	A18NE (N)	874	-	418874 418288
61	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1989	A18NE (N)	939	-	418706 418382
62	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1989	A7SE (SW)	960	-	418009 416723
63	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A9NW (SE)	839	-	419177 416800
64	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A8SW (S)	842	-	418354 416654
65	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A7NW (SW)	959	-	417778 417027

Map ID	Details	Quadrant Reference (Compass)	Estimated Distance From Site	Contact	NGR
	Brine Compensation Area The site does not fall within the brine compensation area.				
	Potential for Collapsible Ground Stability Hazards No Hazard				
66	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	78	1	418675 417375
67	Potential for Compressible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	96	1	418575 417375
68	Potential for Compressible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	174	1	418675 417275
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	0	1	418675 417375
	Potential for Ground Dissolution Stability Hazards No Hazard				
69	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	0	1	418625 417446
70	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	16	1	418625 417446
71	Potential for Landslide Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	54	1	418641 417500
72	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	64	1	418675 417500
73	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	66	1	418575 417446
74	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	84	1	418725 417446
75	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	129	1	418641 417575
76	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	135	1	418750 417525
77	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	162	1	418500 417525
78	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	171	1	418625 417275
79	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	190	1	418725 417275
80	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	205	1	418800 417575
81	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	208	1	418600 417650
82	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	221	1	418650 417225

Map ID	Details	Quadrant Reference (Compass)	Estimated Distance From Site	Contact	NGR
83	Potential for Landslide Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	234	1	418875 417446
84	Potential for Landslide Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	237	1	418775 417250
85	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	238	1	418475 417275
86	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	242	1	418400 417425
87	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	78	1	418675 417375
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	0	1	418675 417375
88	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	0	1	418625 417475
89	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	137	1	418575 417325
90	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	221	1	418650 417225
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	33	1	418625 417475
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	96	1	418575 417375
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	129	1	418641 417575
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	205	1	418800 417575
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	208	1	418600 417650
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	241	1	418400 417450

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





1:2,500	Mapsheet	Published Date
Yorkshire	247_09	1893
Yorkshire	247_13	1893
Yorkshire	247_09	1907
Yorkshire	247_13	1907
Yorkshire	247_09	1919
Yorkshire	247_13	1919
Ordnance Survey Plan	SE1817	1961

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

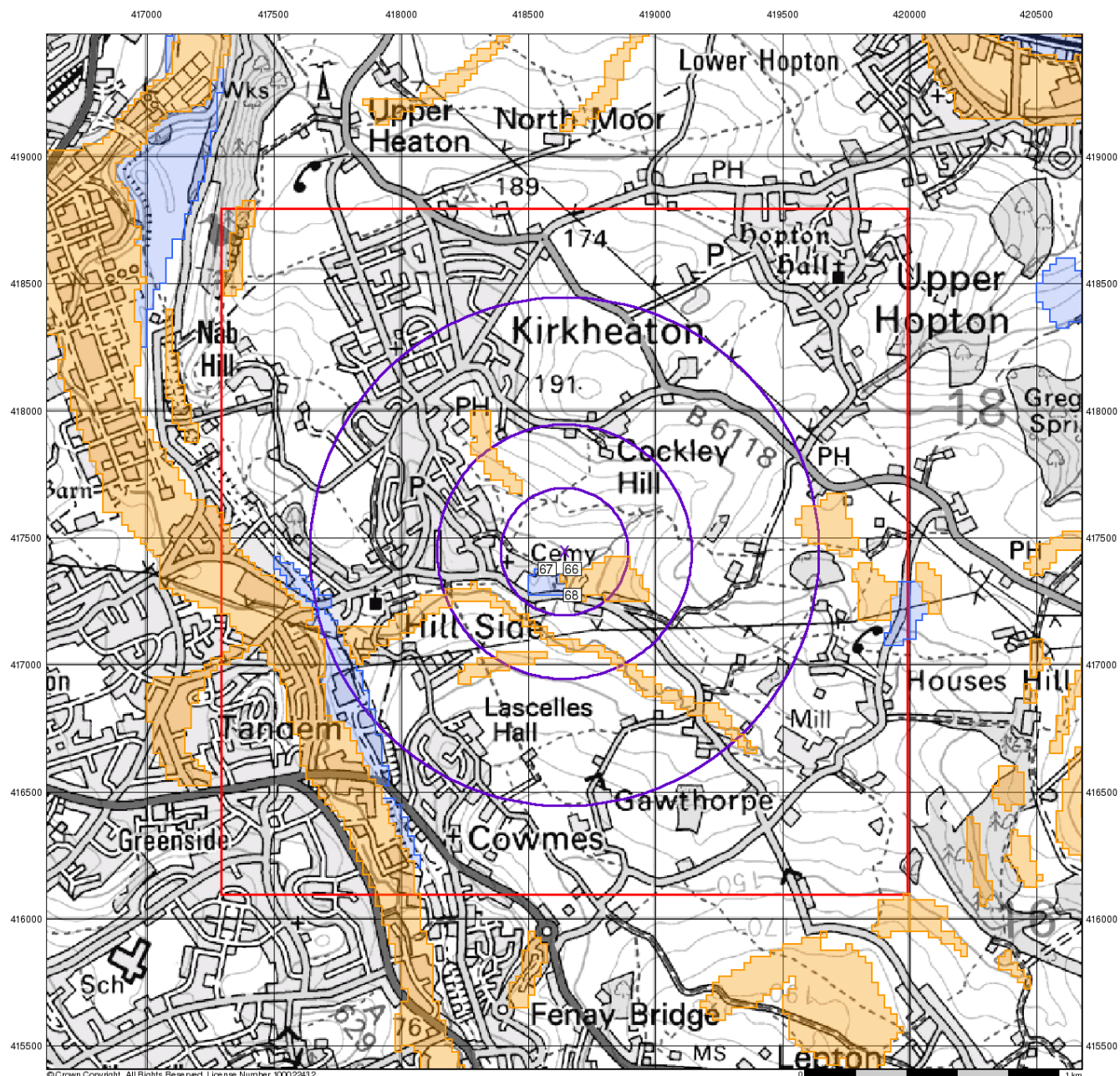
1:10,560	Mapsheet	Published Date
Yorkshire	246_00	1854
Yorkshire	247_00	1855
Yorkshire	246_SE	1894
Yorkshire	247_SW	1894
Yorkshire	246_SE	1908
Yorkshire	247_SW	1908
Yorkshire	247_SW	1938
Yorkshire	246_SE	1948

Mining Data	Version	Update Cycle
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	April 2008	Bi-Annually
Coal Mining Affected Areas The Coal Authority - Mining Report Service	January 2006	As notified
Mining Instability Ove Arup & Partners	October 2000	Not Applicable
Natural and Mining Cavities Peter Brett Associates	December 2005	Variable
Shallow Mining Hazards British Geological Survey - National Geoscience Information Service	August 2002	Not Applicable
Historical Land Use Information (1:2,500)	Version	Update Cycle
Subterranean Features Landmark Information Group Limited	June 2008	Bi-Annually
Ground Stability Data	Version	Update Cycle
Brine Compensation Area Cheshire Brine Subsidence Compensation Board	November 2002	As notified
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2008	Annually
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2008	Annually
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2008	Annually
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2008	Annually
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2008	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2008	Annually

A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	 Ordnance Survey [®] <small>Licensed Partner</small>
British Geological Survey	 British Geological Survey <small>NATURAL ENVIRONMENT RESEARCH COUNCIL</small>
The Coal Authority	THE COAL AUTHORITY
Ove Arup	ARUP
Peter Brett Associates	
Wardell Armstrong	 Wardell Armstrong <small>Engineering & Environmental Solutions</small>

Contact	Name and Address	Contact Details
1	British Geological Survey - Enquiry Service British Geological Survey, Kingsley Dunham 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 - Mining Report Service 200 Lichfield Lane, Mansfield, Nottinghamshire, NG18 4RG	Telephone: 0845 7626848 Email: thecoalauthority@coal.gov.uk
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 The Smith Centre, Henley on Thames, Oxfordshire, RG9 6AB	Telephone: 0844 844 9960 Fax: 0844 844 9951 Email: customerservice@promap.co.uk Website: www.landmarkinfo.co.uk
-	Landmark Information Group Limited The Smith Centre, Henley On Thames, Oxfordshire, RG9 6AB	Telephone: 0870 850 6670 Fax: 0870 850 6671 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk



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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
- Low
- Moderate
- Very Low

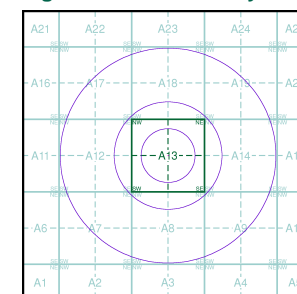
Potential for Collapsible Ground Stability Hazards

- Moderate
- Low

Brine Pumping and Salt Mining

- | | Point | Polygon |
|-------------------------------|-------|---------|
| Brine Pumping Related Feature | | |
| Salt Mining Related Feature | | |

Mining and Ground Stability - Slice A

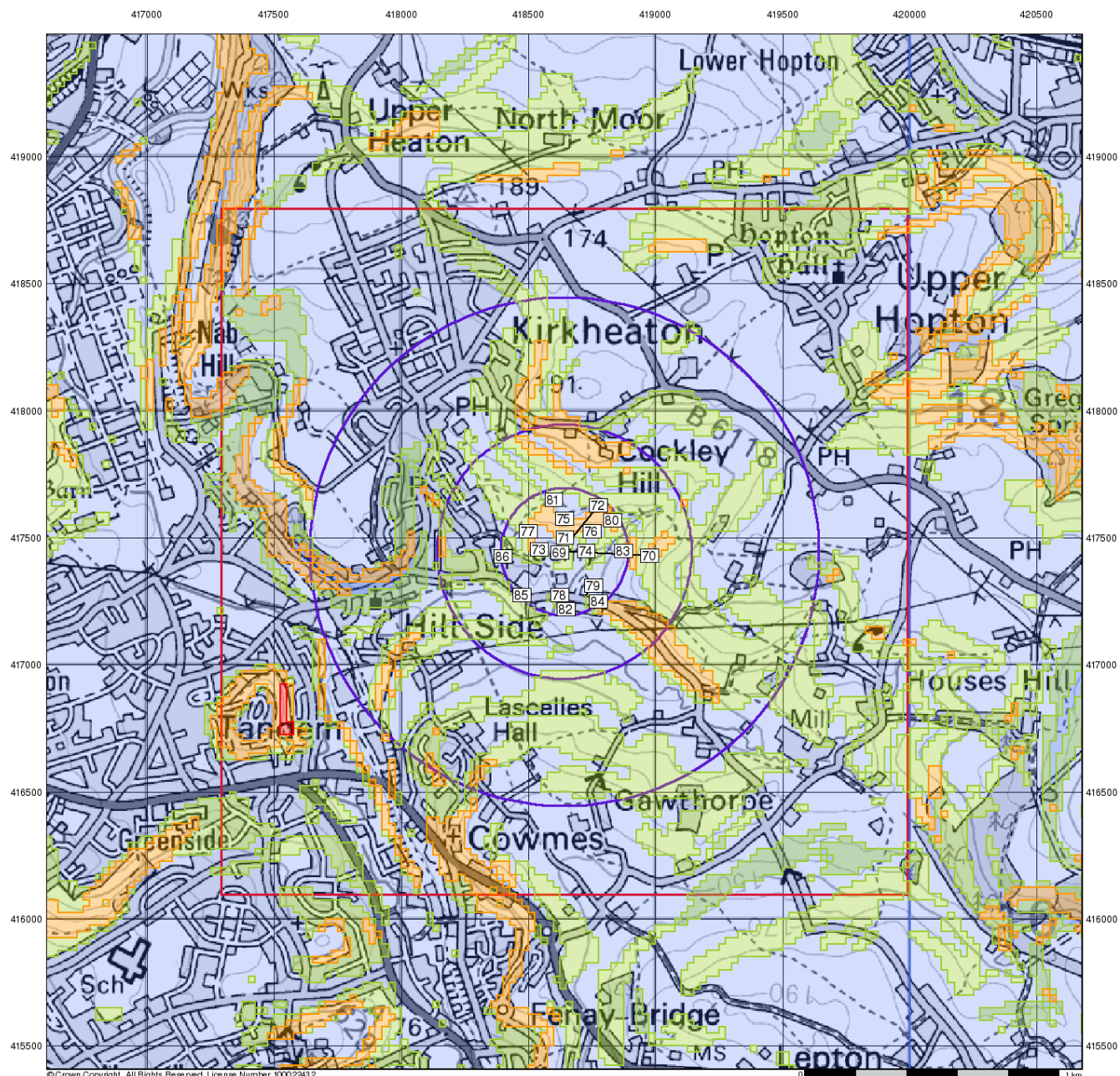


Order Details

Order Number: 26400716_1_1
Customer Ref: 99120
National Grid Reference: 418640, 417450
Slice: A
Site Area (Ha): 0.01
Search Buffer (m): 1000

Site Details

Site at 418700, 417400



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Ground Stability Data (1:50,000)

General

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

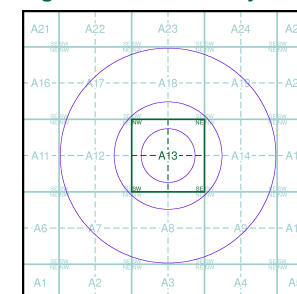
Potential for Landslide Ground Stability Hazards

- High
- Moderate
- Low
- Very Low

Potential for Ground Dissolution Stability Hazards

- High
- Moderate
- Low
- Very Low

Mining and Ground Stability - Slice A

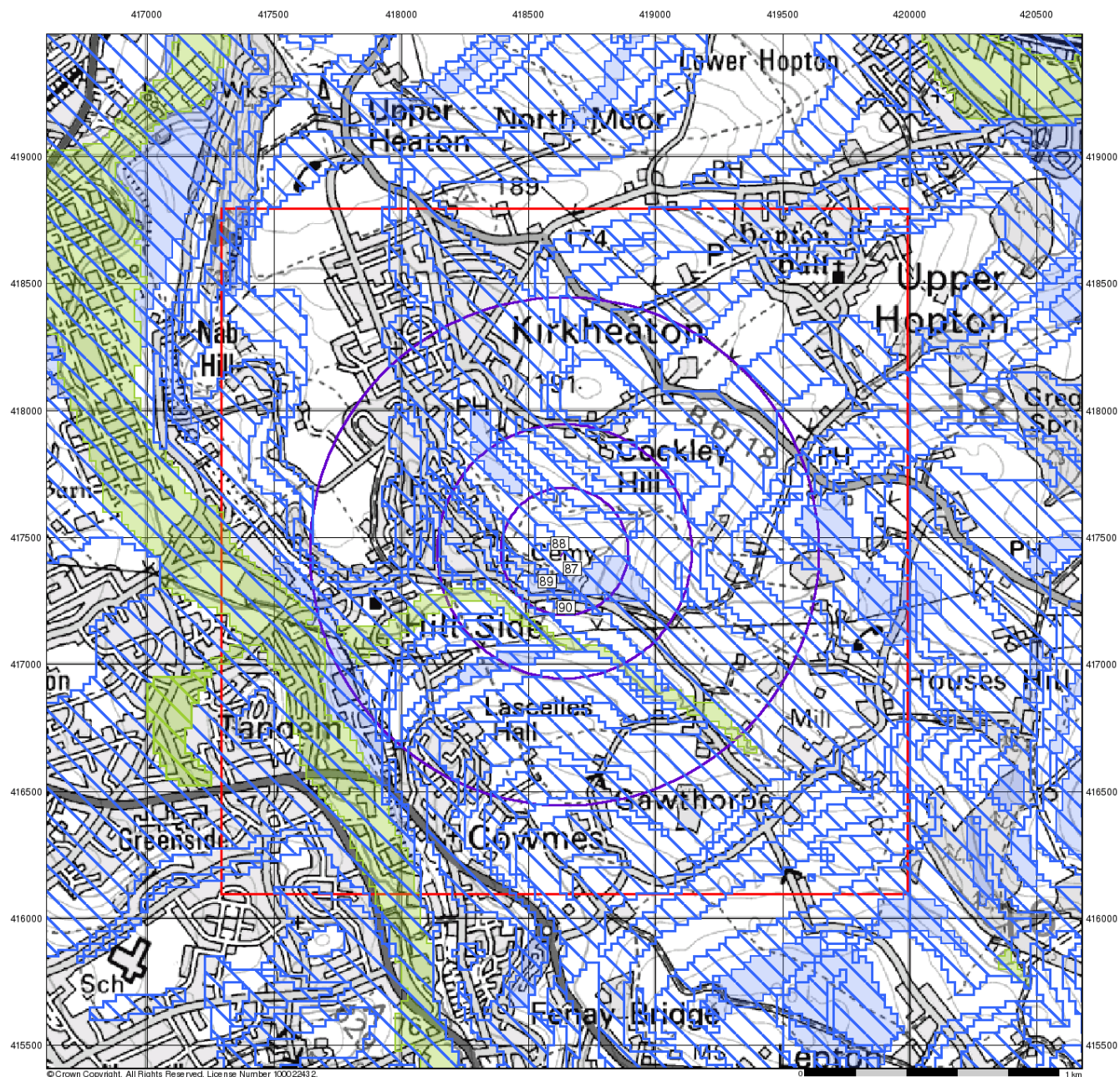


Order Details

Order Number: 26400716_1_1
Customer Ref: 99120
National Grid Reference: 418640, 417450
Slice: A
Site Area (Ha): 0.01
Search Buffer (m): 1000

Site Details

Site at 418700, 417400



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Ground Stability Data (1:50,000)

General

- ◇ Specified Site
- Specified Buffer(s)
- X Bearing Reference Point
- Slice
- B Map ID

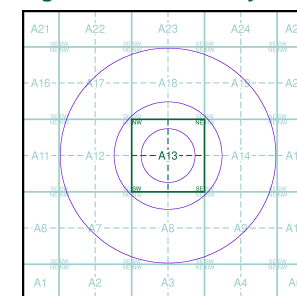
Potential for Running Sand Ground Stability Hazards

- High
- Low
- Moderate
- Very Low

Potential for Shrinking or Swelling Clay Ground Stability Hazards

- ▨ High
- ▨ Low
- ▨ Moderate
- ▨ Very Low

Mining and Ground Stability - Slice A

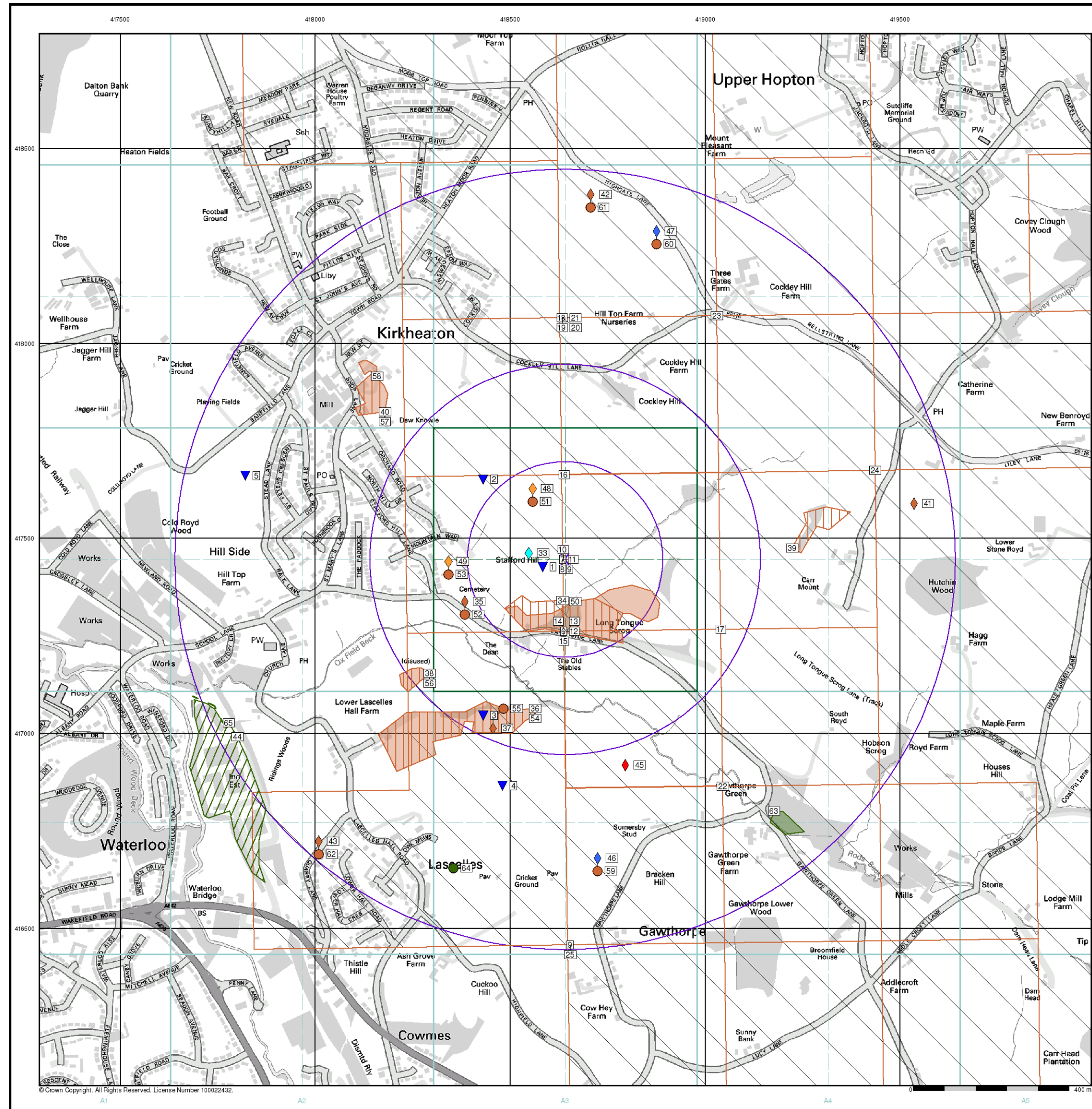


Order Details

Order Number: 26400716_1_1
Customer Ref: 99120
National Grid Reference: 418640, 417450
Slice: A
Site Area (Ha): 0.01
Search Buffer (m): 1000

Site Details

Site at 418700, 417400



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Mining & Ground Stability

A Landmark service

Historical Land Use Information (1:10,000)

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

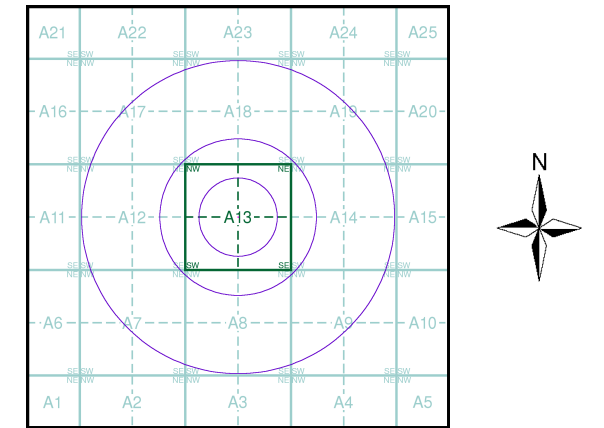
Potentially Contaminative Industrial Uses (Past Land Uses - Mining)

	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			

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

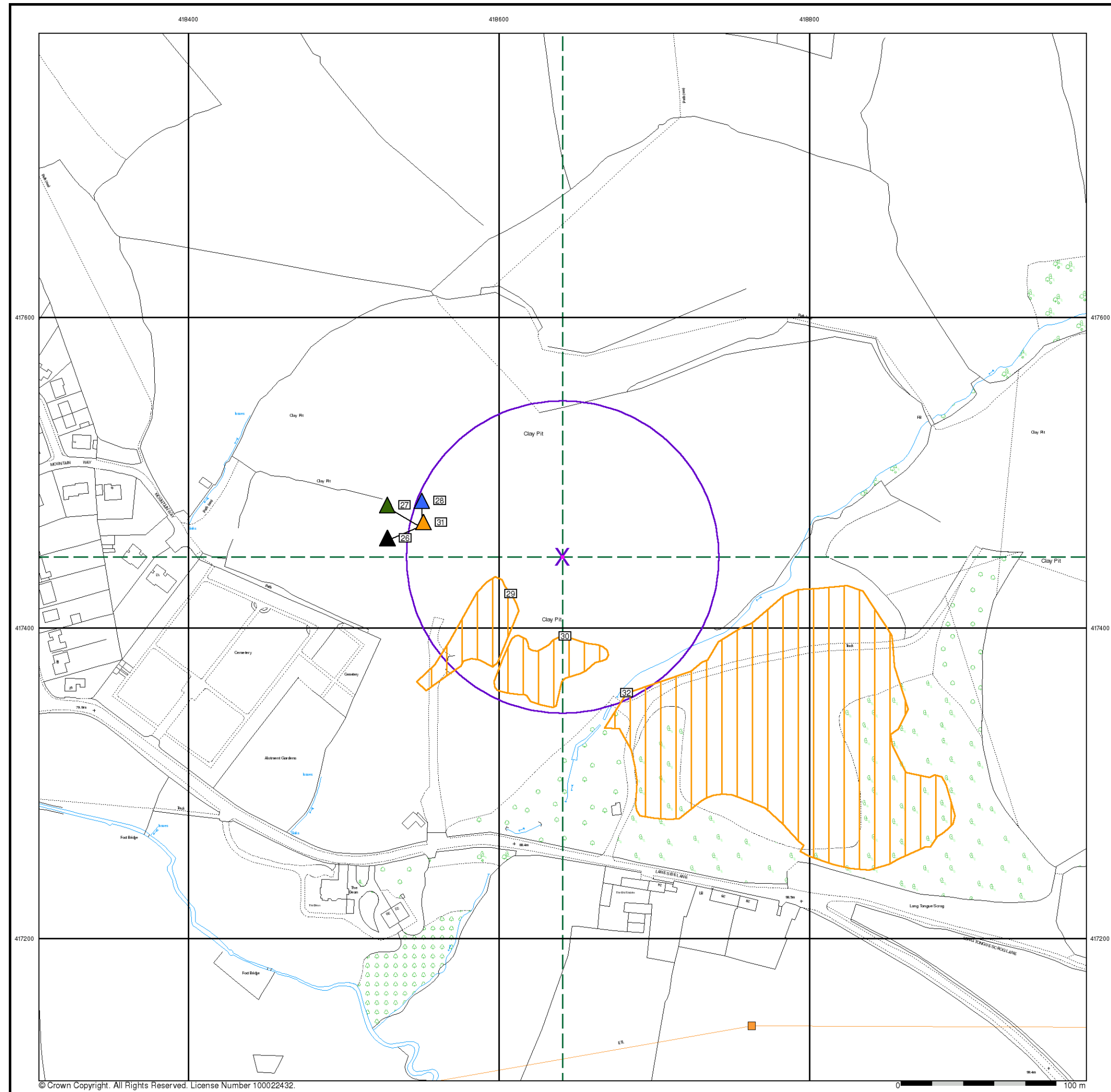
- Mining Data**
- Potential Mining Area
 - BGS Recorded Mineral Site

Mining and Ground Stability - Slice A



- Order Details**
- Order Number: 26400716_1_1
 - Customer Ref: 99120
 - National Grid Reference: 418640, 417450
 - Slice: A
 - Site Area (Ha): 0.01
 - Search Buffer (m): 1000

- Site Details**
- Site at 418700, 417400



General
Specified Site Specified Buffer(s) Bearing Reference Point Map ID
Several of Type at Location Pylon Overhead Transmission Line

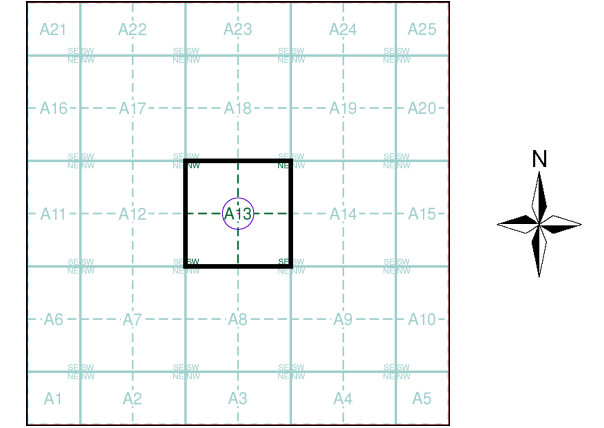
Potentially Contaminative Industrial Uses (Extractive Industries Activity)

	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: 26400716_1_1
Customer Ref: 99120
National Grid Reference: 418640, 417450
Slice: A
Site Area (Ha): 0.01
Plot Buffer (m): 100

Site Details
Site at 418700, 417400