

## **Appendix M**

### **Mining and Ground Stability Datasheet and Maps**

## Envirocheck<sup>®</sup> Report:

### Mining and Ground Stability Datasheet

#### Order Details:

**Order Number:**

157505927\_1\_1

**Customer Reference:**

8170282/GC/054/2018

**National Grid Reference:**

449860, 211090

**Slice:**

A

**Site Area (Ha):**

77.7

**Search Buffer (m):**

1000

#### Site Details:

Site at 450660, 211190

#### Client Details:

Mr K Rayner  
Glanville Consultants  
3 Grovelands Business Centre  
Boundary Way  
Hemel Hempstead  
Hertfordshire  
HP2 7TE

Report Section and Details	Page Number
<b>Summary</b>	-
<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>	
<b>Mining and Natural Cavities Data</b>	<b>1</b>
<p>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.</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>	
<b>Historical Land Use Information (1:2,500)</b>	<b>3</b>
<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>	
<b>Historical Land Use Information (1:10,000)</b>	<b>4</b>
<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>	
<b>Ground Stability Data (1:50,000)</b>	<b>5</b>
<p>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.</p>	
<b>Motion Map Data (1:2,500)</b>	<b>7</b>
<p>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.</p>	
<b>Historical Map List</b>	<b>10</b>
<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>	
<b>Data Currency</b>	<b>11</b>
<b>Data Suppliers</b>	<b>13</b>
<b>Useful Contacts</b>	<b>14</b>

### Copyright Notice

© Landmark Information Group Limited 2018. The Copyright on the information and data and its format as contained in this Envirocheck® Report ("Report") is the property of Landmark Information Group Limited ("Landmark") and several other Data Providers, including (but not limited to) Ordnance Survey, British Geological Survey, and the Environment Agency/Natural Resources Wales, and must not be reproduced in whole or in part by photocopying or any other method. The Report is supplied under Landmark's Terms and Conditions accepted by the Customer. A copy of Landmark's Terms and Conditions can be found with the Index Map for this report. Additional copies of the Report may be obtained from Landmark, subject to Landmark's charges in force from time to time. The Copyright, design rights and any other intellectual rights shall remain the exclusive property of Landmark and /or other Data providers, whose Copyright material has been included in this Report.

© Copyright Peter Brett Associates LLP & DCLG 2011. All rights reserved.

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
<b>Mining and Natural Cavities Data</b>					
BGS Recorded Mineral Sites	pg 1		1	3	2
Coal Mining Affected Areas			n/a	n/a	n/a
Man Made Mining Cavities					
Mining Instability			n/a	n/a	n/a
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential Mining Areas					
<b>Historical Land Use Information (1:2,500)</b>					
Extractive Industries or Potential Excavations from 1855-1909 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1893-1915 (100m)				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)	pg 3	2	4	n/a	n/a
Subterranean Features (100m)				n/a	n/a
<b>Historical Land Use Information (1:10,000)</b>					
Air Shafts					
Disturbed Ground					
General Quarrying					
Heap, unknown constituents					
Mineral Railway					
Mining & quarrying general					
Mining of coal & lignite					
Quarrying of sand & clay, operation of sand & gravel pits	pg 4				1
Former Marshes					
Potentially Infilled Land (Non-Water)	pg 4			2	
Potentially Infilled Land (Water)	pg 4		2	1	1

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m
<b>Ground Stability Data (1:50,000)</b>					
CBSCB Compensation District			n/a	n/a	n/a
Brine Pumping Related Features					
Brine Subsidence Solution Area					
Potential for Collapsible Ground Stability Hazards	pg 5	Yes	Yes	n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 5	Yes	Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards	pg 5	Yes		n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 5	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 5	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 6	Yes		n/a	n/a
Salt Mining Related Features					
Subsidence Insurance Claims				n/a	n/a
Subsidence Investigations	pg 6		1	n/a	n/a
<b>Motion Map Data (1:2,500)</b>					
Motion Map (100m)	pg 7	13	32	n/a	n/a

Report Version v53.0

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	<p><b>BGS Recorded Mineral Sites</b></p> <p>Site Name: Banbury Road Rail Depot            Location: Banbury Road, Water Eaton, Kidlington, Oxfordshire, Ox2 8ha            Source: British Geological Survey, National Geoscience Information Service            Reference: 17333            Type: Rail Depot  <b>Status: Active</b>            Operator: Not Supplied            Operator Location: Not Supplied            Periodic Type: Carboniferous            Geology: Pembrokeshire Limestone Group            Commodity: Crushed Rock            Positional Accuracy: Located by supplier to within 10m</p>	A16SW (N)	151	1	450115 211945
2	<p><b>BGS Recorded Mineral Sites</b></p> <p>Site Name: Wolvercot Brick Works            Location: Wolvercote, Oxford, Oxfordshire            Source: British Geological Survey, National Geoscience Information Service            Reference: 231975            Type: Opencast  <b>Status: Ceased</b>            Operator: Not Supplied            Operator Location: Not Supplied            Periodic Type: Jurassic            Geology: Oxford Clay Formation And West Walton Formation (Undifferentiated)            Commodity: Common Clay and Shale            Positional Accuracy: Located by supplier to within 10m</p>	A7SE (S)	409	1	449794 210533
3	<p><b>BGS Recorded Mineral Sites</b></p> <p>Site Name: Peartree Hill Brick Works            Location: Peartree Hill, Wolvercote, Oxford, Oxfordshire            Source: British Geological Survey, National Geoscience Information Service            Reference: 231972            Type: Opencast  <b>Status: Ceased</b>            Operator: Not Supplied            Operator Location: Not Supplied            Periodic Type: Jurassic            Geology: Oxford Clay Formation And West Walton Formation (Undifferentiated)            Commodity: Common Clay and Shale            Positional Accuracy: Located by supplier to within 10m</p>	A10SE (W)	424	1	449348 211101
4	<p><b>BGS Recorded Mineral Sites</b></p> <p>Site Name: Wolvercot Brick Works            Location: Wolvercote, Oxford, Oxfordshire            Source: British Geological Survey, National Geoscience Information Service            Reference: 231974            Type: Opencast  <b>Status: Ceased</b>            Operator: Not Supplied            Operator Location: Not Supplied            Periodic Type: Jurassic            Geology: Oxford Clay Formation And West Walton Formation (Undifferentiated)            Commodity: Common Clay and Shale            Positional Accuracy: Located by supplier to within 10m</p>	A7SE (S)	454	1	449822 210474
5	<p><b>BGS Recorded Mineral Sites</b></p> <p>Site Name: Wolvercot Brick Works            Location: Wolvercote, Oxford, Oxfordshire            Source: British Geological Survey, National Geoscience Information Service            Reference: 231973            Type: Opencast  <b>Status: Ceased</b>            Operator: Not Supplied            Operator Location: Not Supplied            Periodic Type: Jurassic            Geology: Oxford Clay Formation And West Walton Formation (Undifferentiated)            Commodity: Common Clay and Shale            Positional Accuracy: Located by supplier to within 10m</p>	A7SW (S)	514	1	449753 210436
6	<p><b>BGS Recorded Mineral Sites</b></p> <p>Site Name: Summertown Gravel Pit            Location: Wolvercote, Oxford, Oxfordshire            Source: British Geological Survey, National Geoscience Information Service            Reference: 231976            Type: Opencast  <b>Status: Ceased</b>            Operator: Not Supplied            Operator Location: Not Supplied            Periodic Type: Pleistocene            Geology: Wolvercote Sand And Gravel Member            Commodity: Sand and Gravel            Positional Accuracy: Located by supplier to within 10m</p>	A4NW (SE)	664	1	450348 210164

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Coal Mining Affected Areas</b> In an area which may not be affected by coal mining				
	<b>Non Coal Mining Areas of Great Britain</b> No Hazard				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	<b>Extractive Industries or Potential Excavations from 1950-1980</b> Use: Railway Embankment First Map Published 1957 Date: Last Map Published 1957 Date:	A11SE (W)	0	-	449776 211088
8	<b>Extractive Industries or Potential Excavations from 1950-1980</b> Use: Pond First Map Published 1978 Date: Last Map Published N/A Date:	A12NW (NE)	0	-	450119 211547
9	<b>Extractive Industries or Potential Excavations from 1950-1980</b> Use: Railway Cutting First Map Published 1974 Date: Last Map Published N/A Date:	A11NE (N)	3	-	449879 211477
10	<b>Extractive Industries or Potential Excavations from 1950-1980</b> Use: Pond First Map Published 1978 Date: Last Map Published N/A Date:	A12SE (E)	18	-	450680 211222
11	<b>Extractive Industries or Potential Excavations from 1950-1980</b> Use: Railway Cutting First Map Published 1974 Date: Last Map Published N/A Date:	A11NW (NW)	30	-	449687 211314
12	<b>Extractive Industries or Potential Excavations from 1950-1980</b> Use: Railway Embankment First Map Published 1957 Date: Last Map Published 1957 Date:	A11SW (SW)	94	-	449647 210949



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
13	<b>Quarrying of sand &amp; clay, operation of sand &amp; gravel pits</b> Use: Not Supplied Date of Mapping: 1992	A6NW (W)	982	-	448798 210714
14	<b>Potentially Infilled Land (Non-Water)</b> Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A11SW (W)	290	-	449479 211089
15	<b>Potentially Infilled Land (Non-Water)</b> Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A7SW (S)	375	-	449733 210580
16	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A16SE (NE)	45	-	450585 211654
17	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A11SW (W)	141	-	449624 211028
18	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A11NW (NW)	335	-	449495 211359
19	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1900	A3NE (S)	968	-	449849 209946

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>CBSCB Compensation District</b> The site does not fall within the brine compensation area.				
	<b>Brine Subsidence Solution Area</b> The site does not fall within the brine subsidence solution area.				
20	<b>Potential for Collapsible Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11SE (NE)	0	1	449863 211093
21	<b>Potential for Collapsible Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11SE (E)	0	1	450000 211093
22	<b>Potential for Collapsible Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(E)	147	1	451208 211057
	<b>Potential for Collapsible Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A16SE (NE)	92	1	450629 211687
23	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(E)	44	1	451114 210679
24	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A16SE (NE)	92	1	450629 211687
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11SE (NE)	0	1	449863 211093
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11SE (E)	0	1	450000 211093
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(E)	147	1	451208 211057
	<b>Potential for Ground Dissolution Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11SE (NE)	0	1	449863 211093
	<b>Potential for Ground Dissolution Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11SE (E)	0	1	450000 211093
25	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11SE (NE)	0	1	449863 211093
26	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11SE (E)	0	1	450000 211093
27	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A11NW (N)	127	1	449711 211509
28	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A8NW (SE)	0	1	450339 210755
29	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(E)	24	1	450999 210651
30	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A16SE (NE)	92	1	450629 211687
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11SE (NE)	0	1	449863 211093
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11SE (E)	0	1	450000 211093

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(E)	147	1	451208 211057
31	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A11SE (NE)	0	1	449863 211093
32	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A11SE (E)	0	1	450000 211093
	<b>Subsidence Investigations</b> Site Investigation 24th March 2017 Date: Root Survey: Yes CCTV Drain Survey: No Depth of Foundation 1 Footing: Soil Classification: Clay of High Plasticity			-	

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
33	<b>Motion Map</b> Average Velocity -0.5 Gradient (mmyear):	A12SW (E)	0	-	450291 210996
33	<b>Motion Map</b> Average Velocity -0.5 Gradient (mmyear):	A12SW (E)	0	-	450287 210996
33	<b>Motion Map</b> Average Velocity -0.4 Gradient (mmyear):	A12SW (E)	0	-	450292 210991
33	<b>Motion Map</b> Average Velocity -0.3 Gradient (mmyear):	A12SW (E)	0	-	450293 211003
33	<b>Motion Map</b> Average Velocity -0.3 Gradient (mmyear):	A12SW (E)	0	-	450290 211004
33	<b>Motion Map</b> Average Velocity -0.3 Gradient (mmyear):	A12SW (E)	0	-	450291 211000
33	<b>Motion Map</b> Average Velocity -0.4 Gradient (mmyear):	A12SW (E)	0	-	450288 211000
34	<b>Motion Map</b> Average Velocity 0.1 Gradient (mmyear):	A16SW (NE)	0	-	450426 211811
34	<b>Motion Map</b> Average Velocity 0.2 Gradient (mmyear):	A16SW (NE)	0	-	450425 211807
35	<b>Motion Map</b> Average Velocity -0.4 Gradient (mmyear):	A12SW (E)	0	-	450295 211011
35	<b>Motion Map</b> Average Velocity -0.4 Gradient (mmyear):	A12SW (E)	0	-	450291 211012
35	<b>Motion Map</b> Average Velocity -0.5 Gradient (mmyear):	A12SW (E)	0	-	450296 211007
35	<b>Motion Map</b> Average Velocity -0.4 Gradient (mmyear):	A12SW (E)	0	-	450291 211008
36	<b>Motion Map</b> Average Velocity 0.1 Gradient (mmyear):	A12SE (E)	4	-	450706 211142
37	<b>Motion Map</b> Average Velocity -3.1 Gradient (mmyear):	A11SE (NW)	10	-	449792 211205
38	<b>Motion Map</b> Average Velocity -0.5 Gradient (mmyear):	A15SE (N)	11	-	449952 211683
39	<b>Motion Map</b> Average Velocity -1.6 Gradient (mmyear):	A15SE (N)	11	-	449945 211668
39	<b>Motion Map</b> Average Velocity -1.7 Gradient (mmyear):	A15SE (N)	12	-	449946 211672
40	<b>Motion Map</b> Average Velocity 3.9 Gradient (mmyear):	A11SE (NW)	11	-	449776 211152
40	<b>Motion Map</b> Average Velocity 3.6 Gradient (mmyear):	A11SE (NW)	11	-	449775 211148

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
40	<b>Motion Map</b> Average Velocity 3.8 Gradient (mmyear):	A11SE (NW)	14	-	449772 211149
41	<b>Motion Map</b> Average Velocity 3.4 Gradient (mmyear):	A11SE (NW)	11	-	449774 211144
42	<b>Motion Map</b> Average Velocity 3.0 Gradient (mmyear):	A11SE (NW)	12	-	449772 211133
43	<b>Motion Map</b> Average Velocity 0.1 Gradient (mmyear):	A12SW (E)	14	-	450289 210959
44	<b>Motion Map</b> Average Velocity -0.6 Gradient (mmyear):	A7NE (S)	19	-	449830 210933
45	<b>Motion Map</b> Average Velocity -0.2 Gradient (mmyear):	A7NE (S)	19	-	449810 210933
45	<b>Motion Map</b> Average Velocity 0.0 Gradient (mmyear):	A7NE (S)	20	-	449815 210932
46	<b>Motion Map</b> Average Velocity -0.6 Gradient (mmyear):	A7NE (S)	24	-	449858 210931
46	<b>Motion Map</b> Average Velocity -0.6 Gradient (mmyear):	A7NE (S)	27	-	449857 210927
47	<b>Motion Map</b> Average Velocity -1.7 Gradient (mmyear):	A11SE (S)	25	-	449909 210944
48	<b>Motion Map</b> Average Velocity 0.0 Gradient (mmyear):	A8NW (SE)	35	-	450126 210906
49	<b>Motion Map</b> Average Velocity -2.4 Gradient (mmyear):	A11SW (SW)	37	-	449724 210997
50	<b>Motion Map</b> Average Velocity -0.1 Gradient (mmyear):	A12SE (E)	39	-	450722 211264
51	<b>Motion Map</b> Average Velocity 0.2 Gradient (mmyear):	A8NE (SE)	56	-	450675 210677
52	<b>Motion Map</b> Average Velocity -0.8 Gradient (mmyear):	A7NE (S)	57	-	449920 210865
52	<b>Motion Map</b> Average Velocity -1.3 Gradient (mmyear):	A7NE (S)	60	-	449920 210861
53	<b>Motion Map</b> Average Velocity 0.0 Gradient (mmyear):	A8NW (SE)	61	-	450247 210903
53	<b>Motion Map</b> Average Velocity 0.0 Gradient (mmyear):	A8NW (SE)	62	-	450240 210901
53	<b>Motion Map</b> Average Velocity -0.4 Gradient (mmyear):	A8NW (SE)	64	-	450244 210900
54	<b>Motion Map</b> Average Velocity -0.1 Gradient (mmyear):	A8NW (SE)	65	-	450239 210898

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
55	<b>Motion Map</b> Average Velocity -0.5 Gradient (mmyear):	A7NW (SW)	72	-	449759 210883
56	<b>Motion Map</b> Average Velocity -0.2 Gradient (mmyear):	A7NE (S)	82	-	449801 210870
57	<b>Motion Map</b> Average Velocity -0.7 Gradient (mmyear):	A8NW (SE)	84	-	450312 210857
58	<b>Motion Map</b> Average Velocity 0.5 Gradient (mmyear):	A7NE (S)	94	-	449802 210858
59	<b>Motion Map</b> Average Velocity -1.7 Gradient (mmyear):	A7NE (S)	99	-	449885 210840

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

1:2,500	Mapsheets	Published Date
Ordnance Survey Plan	SP4910	1957
Ordnance Survey Plan	SP4910	1957
Ordnance Survey Plan	SP5010	1958
Ordnance Survey Plan	SP5010	1958
Ordnance Survey Plan	SP5010	1958
Ordnance Survey Plan	SP5010	1958
Ordnance Survey Plan	SP4912	1971
Ordnance Survey Plan	SP4911	1974
Ordnance Survey Plan	SP4911	1974
Ordnance Survey Plan	SP5012	1977
Ordnance Survey Plan	SP5012	1977
Ordnance Survey Plan	SP5011	1978
Ordnance Survey Plan	SP5011	1978
Ordnance Survey Plan	SP5011	1978
Ordnance Survey Plan	SP5011	1978

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








1:10,560	Mapsheets	Published Date
Oxfordshire	033_00	1887
Berkshire	002_NW	1900
Oxfordshire	033_NE	1900
Oxfordshire	033_NW	1900
Berkshire	002_NW	1914
Oxfordshire	033_NW	1914
Berkshire	002_NW	1922
Oxfordshire	033_NE	1922
Oxfordshire	033_NW	1938
Oxfordshire	033_NE	1946
Ordnance Survey Plan	SP41SE	1955
Ordnance Survey Plan	SP51SW	1955
Ordnance Survey Plan	SP40NE	1961
Ordnance Survey Plan	SP50NW	1961
1:10,000	Mapsheets	Published Date
Ordnance Survey Plan	SP40NE	1982
Ordnance Survey Plan	SP41SE	1992
Ordnance Survey Plan	SP51SW	1993
Ordnance Survey Plan	SP50NW	1994

<b>Mining and Cavities Data</b>	<b>Version</b>	<b>Update Cycle</b>
<b>BGS Recorded Mineral Sites</b> British Geological Survey - National Geoscience Information Service	November 2017	Bi-Annually
<b>Coal Mining Affected Areas</b> The Coal Authority - Property Searches	March 2014	As notified
<b>Man Made Mining Cavities</b> Peter Brett Associates	November 2017	Bi-Annually
<b>Mining Instability</b> Ove Arup & Partners	October 2000	Not Applicable
<b>Natural Cavities</b> Peter Brett Associates	November 2017	Bi-Annually
<b>Non Coal Mining Areas of Great Britain</b> British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
<b>Historical Land Use Information (1:2,500)</b>	<b>Version</b>	<b>Update Cycle</b>
<b>Subterranean Features</b> Landmark Information Group Limited	February 2018	Bi-Annually
<b>Ground Stability Data (1:50,000)</b>	<b>Version</b>	<b>Update Cycle</b>
<b>CBSCB Compensation District</b> Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	Not Applicable
<b>Potential for Collapsible Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2015	As notified
<b>Potential for Compressible Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2015	As notified
<b>Potential for Ground Dissolution Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2015	As notified
<b>Potential for Landslide Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2015	As notified
<b>Potential for Running Sand Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2015	As notified
<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2015	As notified
<b>Subsidence Insurance Claims</b> SP Property Services	November 2017	Quarterly
<b>Subsidence Investigations</b> CET Structures Ltd	November 2017	Quarterly
<b>Brine Subsidence Solution Area</b> Johnson Poole & Bloomer	January 2015	As notified



Motion Map Data (1:2,500)	Version	Update Cycle
<b>Motion Map</b>		
Nigel Press Associates - Hampshire	February 2011	As notified
Nigel Press Associates - Cambridge	January 2011	As notified
Nigel Press Associates - Ipswich	January 2011	As notified
Nigel Press Associates - Norwich	January 2011	As notified
Nigel Press Associates - Peterborough	January 2011	As notified
Nigel Press Associates - Barnstaple	July 2010	As notified
Nigel Press Associates - Derbyshire	July 2010	As notified
Nigel Press Associates - Humberside	July 2010	As notified
Nigel Press Associates - Kent	July 2010	As notified
Nigel Press Associates - Lincolnshire	July 2010	As notified
Nigel Press Associates - Nottinghamshire	July 2010	As notified
Nigel Press Associates - Birmingham	May 2009	As notified
Nigel Press Associates - Bournemouth	May 2009	As notified
Nigel Press Associates - Brighton	May 2009	As notified
Nigel Press Associates - Bristol	May 2009	As notified
Nigel Press Associates - Cardiff	May 2009	As notified
Nigel Press Associates - Central London	May 2009	As notified
Nigel Press Associates - Cheltenham	May 2009	As notified
Nigel Press Associates - Coventry	May 2009	As notified
Nigel Press Associates - Crawley	May 2009	As notified
Nigel Press Associates - Edinburgh	May 2009	As notified
Nigel Press Associates - Exeter	May 2009	As notified
Nigel Press Associates - Glasgow	May 2009	As notified
Nigel Press Associates - Isle of Wight	May 2009	As notified
Nigel Press Associates - Leeds	May 2009	As notified
Nigel Press Associates - Leicester	May 2009	As notified
Nigel Press Associates - Liverpool	May 2009	As notified
Nigel Press Associates - Manchester	May 2009	As notified
Nigel Press Associates - Milton Keynes	May 2009	As notified
Nigel Press Associates - Newcastle	May 2009	As notified
Nigel Press Associates - Northwich	May 2009	As notified
Nigel Press Associates - Nottingham	May 2009	As notified
Nigel Press Associates - Oxford	May 2009	As notified
Nigel Press Associates - Plymouth	May 2009	As notified
Nigel Press Associates - Portsmouth	May 2009	As notified
Nigel Press Associates - Preston	May 2009	As notified
Nigel Press Associates - Reading	May 2009	As notified
Nigel Press Associates - Sheffield	May 2009	As notified
Nigel Press Associates - Stoke	May 2009	As notified
Nigel Press Associates - Swindon	May 2009	As notified
Nigel Press Associates - Tonbridge	May 2009	As notified
Nigel Press Associates - North London	November 2008	As notified
Nigel Press Associates - Head Office	September 2008	As notified

A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	
British Geological Survey	 <b>British Geological Survey</b> <small>NATURAL ENVIRONMENT RESEARCH COUNCIL</small>
The Coal Authority	
Ove Arup	
Peter Brett Associates	
Wardell Armstrong	
Johnson Poole & Bloomer	

Contact	Name and Address	Contact Details
1	<b>British Geological Survey - Enquiry Service</b> 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
-	<b>Landmark Information Group Limited</b> 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

## Envirocheck<sup>®</sup> Report:

### Mining and Ground Stability Datasheet

#### Order Details:

**Order Number:**

157505927\_1\_1

**Customer Reference:**

8170282/GC/054/2018

**National Grid Reference:**

451340, 210940

**Slice:**

B

**Site Area (Ha):**

77.7

**Search Buffer (m):**

1000

#### Site Details:

Site at 450660, 211190

#### Client Details:

Mr K Rayner  
Glanville Consultants  
3 Grovelands Business Centre  
Boundary Way  
Hemel Hempstead  
Hertfordshire  
HP2 7TE

Report Section and Details	Page Number
<b>Summary</b>	-
<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>	
<b>Mining and Natural Cavities Data</b>	-
<p>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.</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>	
<b>Historical Land Use Information (1:2,500)</b>	-
<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>	
<b>Historical Land Use Information (1:10,000)</b>	1
<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>	
<b>Ground Stability Data (1:50,000)</b>	2
<p>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.</p>	
<b>Motion Map Data (1:2,500)</b>	-
<p>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.</p>	
<b>Historical Map List</b>	3
<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>	
<b>Data Currency</b>	4
<b>Data Suppliers</b>	6
<b>Useful Contacts</b>	7

### Copyright Notice

© Landmark Information Group Limited 2018. The Copyright on the information and data and its format as contained in this Envirocheck® Report ("Report") is the property of Landmark Information Group Limited ("Landmark") and several other Data Providers, including (but not limited to) Ordnance Survey, British Geological Survey, and the Environment Agency/Natural Resources Wales, and must not be reproduced in whole or in part by photocopying or any other method. The Report is supplied under Landmark's Terms and Conditions accepted by the Customer. A copy of Landmark's Terms and Conditions can be found with the Index Map for this report. Additional copies of the Report may be obtained from Landmark, subject to Landmark's charges in force from time to time. The Copyright, design rights and any other intellectual rights shall remain the exclusive property of Landmark and /or other Data providers, whose Copyright material has been included in this Report.

© Copyright Peter Brett Associates LLP & DCLG 2011. All rights reserved.

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
<b>Mining and Natural Cavities Data</b>					
BGS Recorded Mineral Sites					
Coal Mining Affected Areas			n/a	n/a	n/a
Man Made Mining Cavities					
Mining Instability			n/a	n/a	n/a
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential Mining Areas					
<b>Historical Land Use Information (1:2,500)</b>					
Extractive Industries or Potential Excavations from 1855-1909 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1893-1915 (100m)				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
<b>Historical Land Use Information (1:10,000)</b>					
Air Shafts					
Disturbed Ground					
General Quarrying					
Heap, unknown constituents					
Mineral Railway					
Mining & quarrying general					
Mining of coal & lignite					
Quarrying of sand & clay, operation of sand & gravel pits					
Former Marshes					
Potentially Infilled Land (Non-Water)					
Potentially Infilled Land (Water)	pg 1		1	1	5

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

Report Version v53.0

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	B5SE (SW)	181	-	451173 210557
2	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	B6NW (SE)	422	-	451536 210840
3	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	B6SW (S)	515	-	451540 210427
4	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	B10NW (N)	547	-	451463 211371
5	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	B13SW (N)	564	-	451075 211855
6	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1900	B1NW (SW)	632	-	450831 210038
7	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	B14SW (N)	920	-	451606 211845



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>CBSCB Compensation District</b> The site does not fall within the brine compensation area.				
	<b>Brine Subsidence Solution Area</b> The site does not fall within the brine subsidence solution area.				
8	<b>Potential for Collapsible Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B5NE (W)	0	1	451173 210886
9	<b>Potential for Collapsible Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B5NE (N)	147	1	451345 210939
	<b>Potential for Collapsible Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B5NE (W)	92	1	451227 210904
10	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B5NE (SW)	44	1	451213 210728
11	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	B5NE (W)	92	1	451227 210904
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B5NE (W)	0	1	451173 210886
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B5NE (N)	147	1	451345 210939
	<b>Potential for Ground Dissolution Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B5NE (N)	0	1	451345 210939
12	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B5NE (N)	0	1	451345 210939
13	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B5NW (W)	0	1	450875 210912
14	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B5NE (SW)	24	1	451213 210728
15	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	B5NE (W)	92	1	451227 210904
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B5NE (W)	0	1	451173 210886
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B5NE (N)	147	1	451345 210939
16	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	B5NE (N)	0	1	451345 210939
	<b>Subsidence Investigations</b> Site Investigation 17th March 2017 Date: Root Survey: Yes CCTV Drain Survey: Yes Depth of Foundation 0.62 Footings: Soil Classification: Not Supplied			-	

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

1:2,500	Mapsheet	Published Date
Ordnance Survey Plan	SP5010	1958
Ordnance Survey Plan	SP5010	1958
Ordnance Survey Plan	SP5110	1959
Ordnance Survey Plan	SP5110	1959
Ordnance Survey Plan	SP5011	1978
Ordnance Survey Plan	SP5111	1978








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

1:10,560	Mapsheet	Published Date
Oxfordshire	033_00	1887
Oxfordshire	033_NE	1900
Oxfordshire	033_NE	1922
Oxfordshire	033_NE	1946
Ordnance Survey Plan	SP51SW	1955
Ordnance Survey Plan	SP50NW	1961
1:10,000	Mapsheet	Published Date
Ordnance Survey Plan	SP51SW	1993
Ordnance Survey Plan	SP50NW	1994

<b>Mining and Cavities Data</b>	<b>Version</b>	<b>Update Cycle</b>
<b>BGS Recorded Mineral Sites</b> British Geological Survey - National Geoscience Information Service	November 2017	Bi-Annually
<b>Coal Mining Affected Areas</b> The Coal Authority - Property Searches	March 2014	As notified
<b>Man Made Mining Cavities</b> Peter Brett Associates	November 2017	Bi-Annually
<b>Mining Instability</b> Ove Arup & Partners	October 2000	Not Applicable
<b>Natural Cavities</b> Peter Brett Associates	November 2017	Bi-Annually
<b>Non Coal Mining Areas of Great Britain</b> British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
<b>Historical Land Use Information (1:2,500)</b>	<b>Version</b>	<b>Update Cycle</b>
<b>Subterranean Features</b> Landmark Information Group Limited	February 2018	Bi-Annually
<b>Ground Stability Data (1:50,000)</b>	<b>Version</b>	<b>Update Cycle</b>
<b>CBSCB Compensation District</b> Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	Not Applicable
<b>Potential for Collapsible Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2015	As notified
<b>Potential for Compressible Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2015	As notified
<b>Potential for Ground Dissolution Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2015	As notified
<b>Potential for Landslide Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2015	As notified
<b>Potential for Running Sand Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2015	As notified
<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2015	As notified
<b>Subsidence Insurance Claims</b> SP Property Services	November 2017	Quarterly
<b>Subsidence Investigations</b> CET Structures Ltd	November 2017	Quarterly
<b>Brine Subsidence Solution Area</b> Johnson Poole & Bloomer	January 2015	As notified

Motion Map Data (1:2,500)	Version	Update Cycle
<b>Motion Map</b>		
Nigel Press Associates - Hampshire	February 2011	As notified
Nigel Press Associates - Cambridge	January 2011	As notified
Nigel Press Associates - Ipswich	January 2011	As notified
Nigel Press Associates - Norwich	January 2011	As notified
Nigel Press Associates - Peterborough	January 2011	As notified
Nigel Press Associates - Barnstaple	July 2010	As notified
Nigel Press Associates - Derbyshire	July 2010	As notified
Nigel Press Associates - Humberside	July 2010	As notified
Nigel Press Associates - Kent	July 2010	As notified
Nigel Press Associates - Lincolnshire	July 2010	As notified
Nigel Press Associates - Nottinghamshire	July 2010	As notified
Nigel Press Associates - Birmingham	May 2009	As notified
Nigel Press Associates - Bournemouth	May 2009	As notified
Nigel Press Associates - Brighton	May 2009	As notified
Nigel Press Associates - Bristol	May 2009	As notified
Nigel Press Associates - Cardiff	May 2009	As notified
Nigel Press Associates - Central London	May 2009	As notified
Nigel Press Associates - Cheltenham	May 2009	As notified
Nigel Press Associates - Coventry	May 2009	As notified
Nigel Press Associates - Crawley	May 2009	As notified
Nigel Press Associates - Edinburgh	May 2009	As notified
Nigel Press Associates - Exeter	May 2009	As notified
Nigel Press Associates - Glasgow	May 2009	As notified
Nigel Press Associates - Isle of Wight	May 2009	As notified
Nigel Press Associates - Leeds	May 2009	As notified
Nigel Press Associates - Leicester	May 2009	As notified
Nigel Press Associates - Liverpool	May 2009	As notified
Nigel Press Associates - Manchester	May 2009	As notified
Nigel Press Associates - Milton Keynes	May 2009	As notified
Nigel Press Associates - Newcastle	May 2009	As notified
Nigel Press Associates - Northwich	May 2009	As notified
Nigel Press Associates - Nottingham	May 2009	As notified
Nigel Press Associates - Oxford	May 2009	As notified
Nigel Press Associates - Plymouth	May 2009	As notified
Nigel Press Associates - Portsmouth	May 2009	As notified
Nigel Press Associates - Preston	May 2009	As notified
Nigel Press Associates - Reading	May 2009	As notified
Nigel Press Associates - Sheffield	May 2009	As notified
Nigel Press Associates - Stoke	May 2009	As notified
Nigel Press Associates - Swindon	May 2009	As notified
Nigel Press Associates - Tonbridge	May 2009	As notified
Nigel Press Associates - North London	November 2008	As notified
Nigel Press Associates - Head Office	September 2008	As notified

A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	
British Geological Survey	 <b>British Geological Survey</b> <small>NATURAL ENVIRONMENT RESEARCH COUNCIL</small>
The Coal Authority	
Ove Arup	
Peter Brett Associates	
Wardell Armstrong	
Johnson Poole & Bloomer	

Contact	Name and Address	Contact Details
1	<b>British Geological Survey - Enquiry Service</b> British Geological Survey, Kingsley Dunham Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: <a href="mailto:enquiries@bgs.ac.uk">enquiries@bgs.ac.uk</a> Website: <a href="http://www.bgs.ac.uk">www.bgs.ac.uk</a>
-	<b>Landmark Information Group Limited</b> Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: <a href="mailto:customerservices@landmarkinfo.co.uk">customerservices@landmarkinfo.co.uk</a> Website: <a href="http://www.landmarkinfo.co.uk">www.landmarkinfo.co.uk</a>

## Envirocheck<sup>®</sup> Report:

### Mining and Ground Stability Datasheet

#### Order Details:

**Order Number:**

157505927\_1\_1

**Customer Reference:**

8170282/GC/054/2018

**National Grid Reference:**

450090, 212550

**Slice:**

C

**Site Area (Ha):**

77.7

**Search Buffer (m):**

1000

#### Site Details:

Site at 450660, 211190

#### Client Details:

Mr K Rayner  
Glanville Consultants  
3 Grovelands Business Centre  
Boundary Way  
Hemel Hempstead  
Hertfordshire  
HP2 7TE

Report Section and Details	Page Number
<b>Summary</b>	-
<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>	
<b>Mining and Natural Cavities Data</b>	-
<p>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.</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>	
<b>Historical Land Use Information (1:2,500)</b>	-
<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>	
<b>Historical Land Use Information (1:10,000)</b>	1
<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>	
<b>Ground Stability Data (1:50,000)</b>	2
<p>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.</p>	
<b>Motion Map Data (1:2,500)</b>	-
<p>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.</p>	
<b>Historical Map List</b>	3
<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>	
<b>Data Currency</b>	4
<b>Data Suppliers</b>	5
<b>Useful Contacts</b>	6

### Copyright Notice

© Landmark Information Group Limited 2018. The Copyright on the information and data and its format as contained in this Envirocheck® Report ("Report") is the property of Landmark Information Group Limited ("Landmark") and several other Data Providers, including (but not limited to) Ordnance Survey, British Geological Survey, and the Environment Agency/Natural Resources Wales, and must not be reproduced in whole or in part by photocopying or any other method. The Report is supplied under Landmark's Terms and Conditions accepted by the Customer. A copy of Landmark's Terms and Conditions can be found with the Index Map for this report. Additional copies of the Report may be obtained from Landmark, subject to Landmark's charges in force from time to time. The Copyright, design rights and any other intellectual rights shall remain the exclusive property of Landmark and /or other Data providers, whose Copyright material has been included in this Report.

© Copyright Peter Brett Associates LLP & DCLG 2011. All rights reserved.

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
<b>Mining and Natural Cavities Data</b>					
BGS Recorded Mineral Sites					
Coal Mining Affected Areas			n/a	n/a	n/a
Man Made Mining Cavities					
Mining Instability			n/a	n/a	n/a
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential Mining Areas					
<b>Historical Land Use Information (1:2,500)</b>					
Extractive Industries or Potential Excavations from 1855-1909 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1893-1915 (100m)				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
<b>Historical Land Use Information (1:10,000)</b>					
Air Shafts					
Disturbed Ground					
General Quarrying					
Heap, unknown constituents					
Mineral Railway					
Mining & quarrying general					
Mining of coal & lignite					
Quarrying of sand & clay, operation of sand & gravel pits					
Former Marshes					
Potentially Infilled Land (Non-Water)					
Potentially Infilled Land (Water)	pg 1				1

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

Report Version v53.0

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	<p><b>Potentially Infilled Land (Water)</b></p> <p>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)</p> <p>Date of Mapping: 1955</p>	C4SE (E)	602	-	450689 212404

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>CBSCB Compensation District</b> The site does not fall within the brine compensation area.				
	<b>Brine Subsidence Solution Area</b> The site does not fall within the brine subsidence solution area.				
2	<b>Potential for Collapsible Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	C3SE (W)	0	1	450000 212549
3	<b>Potential for Collapsible Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	C3SE (NE)	0	1	450088 212549
	<b>Potential for Collapsible Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	C4SW (E)	92	1	450428 212577
4	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	C4SW (E)	92	1	450428 212577
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	C3SE (W)	0	1	450000 212549
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	C3SE (NE)	0	1	450088 212549
	<b>Potential for Ground Dissolution Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	C3SE (W)	0	1	450000 212549
	<b>Potential for Ground Dissolution Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	C3SE (NE)	0	1	450088 212549
5	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	C3SE (W)	0	1	450000 212549
6	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	C3SE (NE)	0	1	450088 212549
7	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	(S)	127	1	449813 211666
8	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	C4SW (E)	92	1	450428 212577
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	C3SE (W)	0	1	450000 212549
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	C3SE (NE)	0	1	450088 212549
9	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	C3SE (W)	0	1	450000 212549
10	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	C3SE (NE)	0	1	450088 212549








No Historical Land Use information available.

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

<b>1:10,560</b>	<b>Mapsheet</b>	<b>Published Date</b>
Oxfordshire	027_00	1884
Oxfordshire	033_00	1887
Berkshire	002_NW	1900
Oxfordshire	027_SE	1900
Oxfordshire	027_SW	1900
Oxfordshire	033_NE	1900
Oxfordshire	033_NW	1900
Berkshire	002_NW	1914
Oxfordshire	033_NW	1914
Berkshire	002_NW	1922
Oxfordshire	033_NE	1922
Oxfordshire	027_SE	1923
Oxfordshire	027_SW	1923
Oxfordshire	033_NW	1938
Oxfordshire	033_NE	1946
Oxfordshire	027_SW	1947
Ordnance Survey Plan	SP41SE	1955
Ordnance Survey Plan	SP51SW	1955
<b>1:10,000</b>	<b>Mapsheet</b>	<b>Published Date</b>
Ordnance Survey Plan	SP41SE	1992
Ordnance Survey Plan	SP51SW	1993

<b>Mining and Cavities Data</b>	<b>Version</b>	<b>Update Cycle</b>
<b>BGS Recorded Mineral Sites</b> British Geological Survey - National Geoscience Information Service	November 2017	Bi-Annually
<b>Coal Mining Affected Areas</b> The Coal Authority - Property Searches	March 2014	As notified
<b>Man Made Mining Cavities</b> Peter Brett Associates	November 2017	Bi-Annually
<b>Mining Instability</b> Ove Arup & Partners	October 2000	Not Applicable
<b>Natural Cavities</b> Peter Brett Associates	November 2017	Bi-Annually
<b>Non Coal Mining Areas of Great Britain</b> British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
<b>Historical Land Use Information (1:2,500)</b>	<b>Version</b>	<b>Update Cycle</b>
<b>Subterranean Features</b> Landmark Information Group Limited	February 2018	Bi-Annually
<b>Ground Stability Data (1:50,000)</b>	<b>Version</b>	<b>Update Cycle</b>
<b>CBSCB Compensation District</b> Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	Not Applicable
<b>Potential for Collapsible Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2015	As notified
<b>Potential for Compressible Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2015	As notified
<b>Potential for Ground Dissolution Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2015	As notified
<b>Potential for Landslide Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2015	As notified
<b>Potential for Running Sand Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2015	As notified
<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2015	As notified
<b>Subsidence Insurance Claims</b> SP Property Services	November 2017	Quarterly
<b>Subsidence Investigations</b> CET Structures Ltd	November 2017	Quarterly
<b>Brine Subsidence Solution Area</b> Johnson Poole & Bloomer	January 2015	As notified

A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	
British Geological Survey	
The Coal Authority	
Ove Arup	
Peter Brett Associates	
Wardell Armstrong	
Johnson Poole & Bloomer	

Contact	Name and Address	Contact Details
1	<b>British Geological Survey - Enquiry Service</b> British Geological Survey, Kingsley Dunham Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: <a href="mailto:enquiries@bgs.ac.uk">enquiries@bgs.ac.uk</a> Website: <a href="http://www.bgs.ac.uk">www.bgs.ac.uk</a>
-	<b>Landmark Information Group Limited</b> Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: <a href="mailto:customerservices@landmarkinfo.co.uk">customerservices@landmarkinfo.co.uk</a> Website: <a href="http://www.landmarkinfo.co.uk">www.landmarkinfo.co.uk</a>



## Envirocheck<sup>®</sup> Report:

### Mining and Ground Stability Datasheet

#### Order Details:

**Order Number:**

157505927\_1\_1

**Customer Reference:**

8170282/GC/054/2018

**National Grid Reference:**

450970, 212480

**Slice:**

D

**Site Area (Ha):**

77.7

**Search Buffer (m):**

1000

#### Site Details:

Site at 450660, 211190

#### Client Details:

Mr K Rayner  
Glanville Consultants  
3 Grovelands Business Centre  
Boundary Way  
Hemel Hempstead  
Hertfordshire  
HP2 7TE

Report Section and Details	Page Number
<b>Summary</b>	-
<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>	
<b>Mining and Natural Cavities Data</b>	-
<p>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.</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>	
<b>Historical Land Use Information (1:2,500)</b>	-
<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>	
<b>Historical Land Use Information (1:10,000)</b>	-
<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>	
<b>Ground Stability Data (1:50,000)</b>	1
<p>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.</p>	
<b>Motion Map Data (1:2,500)</b>	-
<p>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.</p>	
<b>Historical Map List</b>	2
<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>	
<b>Data Currency</b>	3
<b>Data Suppliers</b>	4
<b>Useful Contacts</b>	5

### Copyright Notice

© Landmark Information Group Limited 2018. The Copyright on the information and data and its format as contained in this Envirocheck® Report ("Report") is the property of Landmark Information Group Limited ("Landmark") and several other Data Providers, including (but not limited to) Ordnance Survey, British Geological Survey, and the Environment Agency/Natural Resources Wales, and must not be reproduced in whole or in part by photocopying or any other method. The Report is supplied under Landmark's Terms and Conditions accepted by the Customer. A copy of Landmark's Terms and Conditions can be found with the Index Map for this report. Additional copies of the Report may be obtained from Landmark, subject to Landmark's charges in force from time to time. The Copyright, design rights and any other intellectual rights shall remain the exclusive property of Landmark and /or other Data providers, whose Copyright material has been included in this Report.

© Copyright Peter Brett Associates LLP & DCLG 2011. All rights reserved.

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.



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

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

Report Version v53.0

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>CBSCB Compensation District</b> The site does not fall within the brine compensation area.				
	<b>Brine Subsidence Solution Area</b> The site does not fall within the brine subsidence solution area.				
1	<b>Potential for Collapsible Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(SW)	0	1	450584 212299
	<b>Potential for Collapsible Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	D1SW (NW)	92	1	450971 212484
2	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	D1SW (NW)	92	1	450971 212484
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(SW)	0	1	450584 212299
	<b>Potential for Ground Dissolution Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	D1SW (NW)	0	1	450971 212484
3	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	D1SW (NW)	0	1	450971 212484
4	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	D1SW (NW)	92	1	450971 212484
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(SW)	0	1	450584 212299
5	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	D1SW (NW)	0	1	450971 212484

No Historical Land Use information available.








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

<b>1:10,560</b>	<b>Mapsheet</b>	<b>Published Date</b>
Oxfordshire	027_00	1884
Oxfordshire	033_00	1887
Oxfordshire	027_SE	1900
Oxfordshire	033_NE	1900
Oxfordshire	033_NE	1922
Oxfordshire	027_SE	1923
Oxfordshire	033_NE	1946
Ordnance Survey Plan	SP51SW	1955
<b>1:10,000</b>	<b>Mapsheet</b>	<b>Published Date</b>
Ordnance Survey Plan	SP51SW	1993

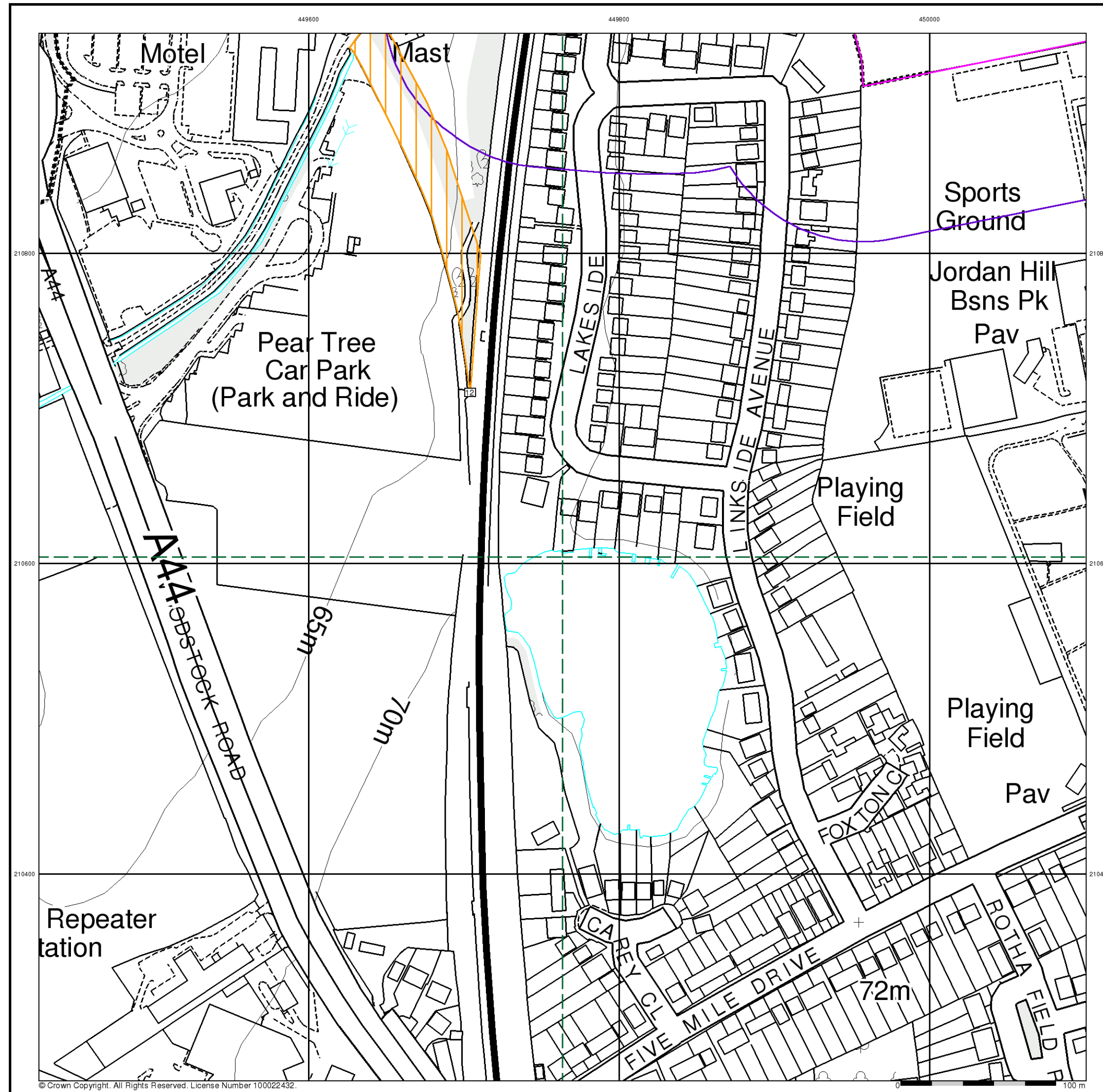
<b>Mining and Cavities Data</b>	<b>Version</b>	<b>Update Cycle</b>
<b>BGS Recorded Mineral Sites</b> British Geological Survey - National Geoscience Information Service	November 2017	Bi-Annually
<b>Coal Mining Affected Areas</b> The Coal Authority - Property Searches	March 2014	As notified
<b>Man Made Mining Cavities</b> Peter Brett Associates	November 2017	Bi-Annually
<b>Mining Instability</b> Ove Arup & Partners	October 2000	Not Applicable
<b>Natural Cavities</b> Peter Brett Associates	November 2017	Bi-Annually
<b>Non Coal Mining Areas of Great Britain</b> British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
<b>Historical Land Use Information (1:2,500)</b>	<b>Version</b>	<b>Update Cycle</b>
<b>Subterranean Features</b> Landmark Information Group Limited	February 2018	Bi-Annually
<b>Ground Stability Data (1:50,000)</b>	<b>Version</b>	<b>Update Cycle</b>
<b>CBSCB Compensation District</b> Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	Not Applicable
<b>Potential for Collapsible Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2015	As notified
<b>Potential for Compressible Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2015	As notified
<b>Potential for Ground Dissolution Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2015	As notified
<b>Potential for Landslide Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2015	As notified
<b>Potential for Running Sand Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2015	As notified
<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2015	As notified
<b>Subsidence Insurance Claims</b> SP Property Services	November 2017	Quarterly
<b>Subsidence Investigations</b> CET Structures Ltd	November 2017	Quarterly
<b>Brine Subsidence Solution Area</b> Johnson Poole & Bloomer	January 2015	As notified



A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	
British Geological Survey	
The Coal Authority	
Ove Arup	
Peter Brett Associates	
Wardell Armstrong	
Johnson Poole & Bloomer	

Contact	Name and Address	Contact Details
1	<b>British Geological Survey - Enquiry Service</b> British Geological Survey, Kingsley Dunham Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: <a href="mailto:enquiries@bgs.ac.uk">enquiries@bgs.ac.uk</a> Website: <a href="http://www.bgs.ac.uk">www.bgs.ac.uk</a>
-	<b>Landmark Information Group Limited</b> Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: <a href="mailto:customerservices@landmarkinfo.co.uk">customerservices@landmarkinfo.co.uk</a> Website: <a href="http://www.landmarkinfo.co.uk">www.landmarkinfo.co.uk</a>



© Crown Copyright. All Rights Reserved. License Number 100022432.

# Envirocheck®

LANDMARK INFORMATION GROUP®

## Historical Land Use Information (1:2,500)

**General**

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

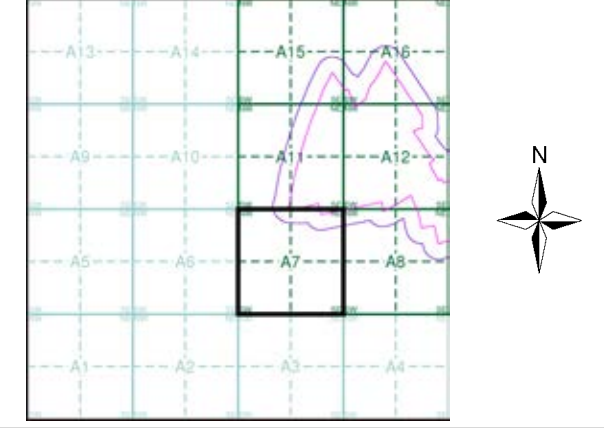
**Potentially Contaminative Industrial Uses (Extractive Industries Activity)**

	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 A7



**Order Details**

Order Number: 157505927\_1\_1  
 Customer Ref: 8170282/GC/054/2018  
 National Grid Reference: 449860, 211090  
 Slice: A  
 Site Area (Ha): 77.7  
 Plot Buffer (m): 100

**Site Details**

Site at 450660, 211190

**Landmark** INFORMATION GROUP  
 Tel: 0844 844 9952  
 Fax: 0844 844 9951  
 Web: www.envirocheck.co.uk



## Historical Land Use Information (1:2,500)

**General**  
 Specified Site (pink dashed line) Specified Buffer(s) (purple line) Bearing Reference Point (X) Map ID (square icon)  
 Several of Type at Location (red square icon)

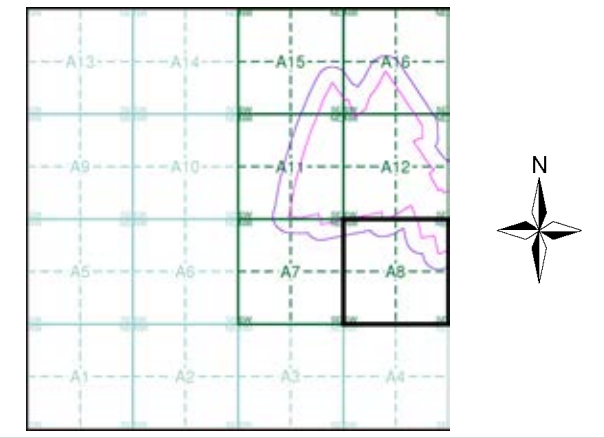
**Potentially Contaminative Industrial Uses (Extractive Industries Activity)**

	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 A8



**Order Details**  
 Order Number: 157505927\_1\_1  
 Customer Ref: 8170282/GC/054/2018  
 National Grid Reference: 449860, 211090  
 Slice: A  
 Site Area (Ha): 77.7  
 Plot Buffer (m): 100

**Site Details**  
 Site at 450660, 211190

© Crown Copyright. All Rights Reserved. License Number 100022432.

## Historical Land Use Information (1:2,500)

### General

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

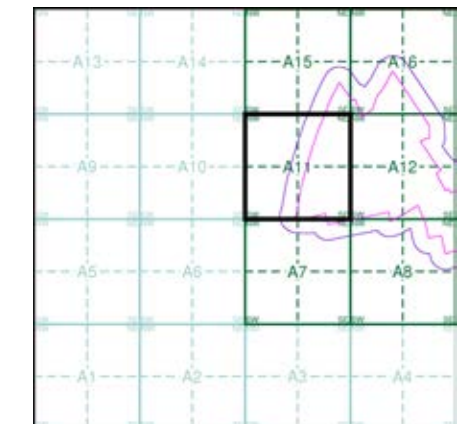
### Potentially Contaminative Industrial Uses (Extractive Industries Activity)

	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 A11

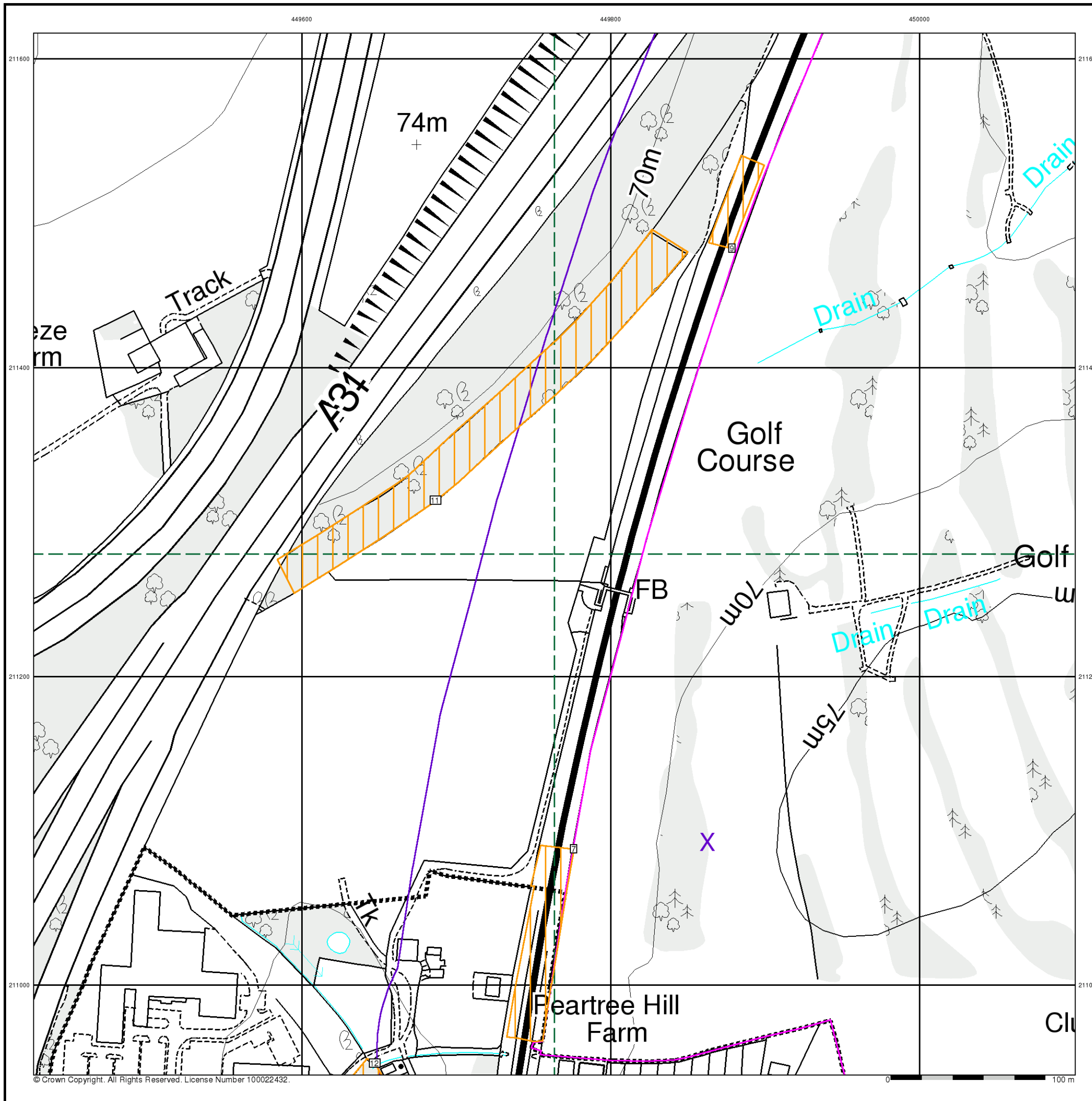


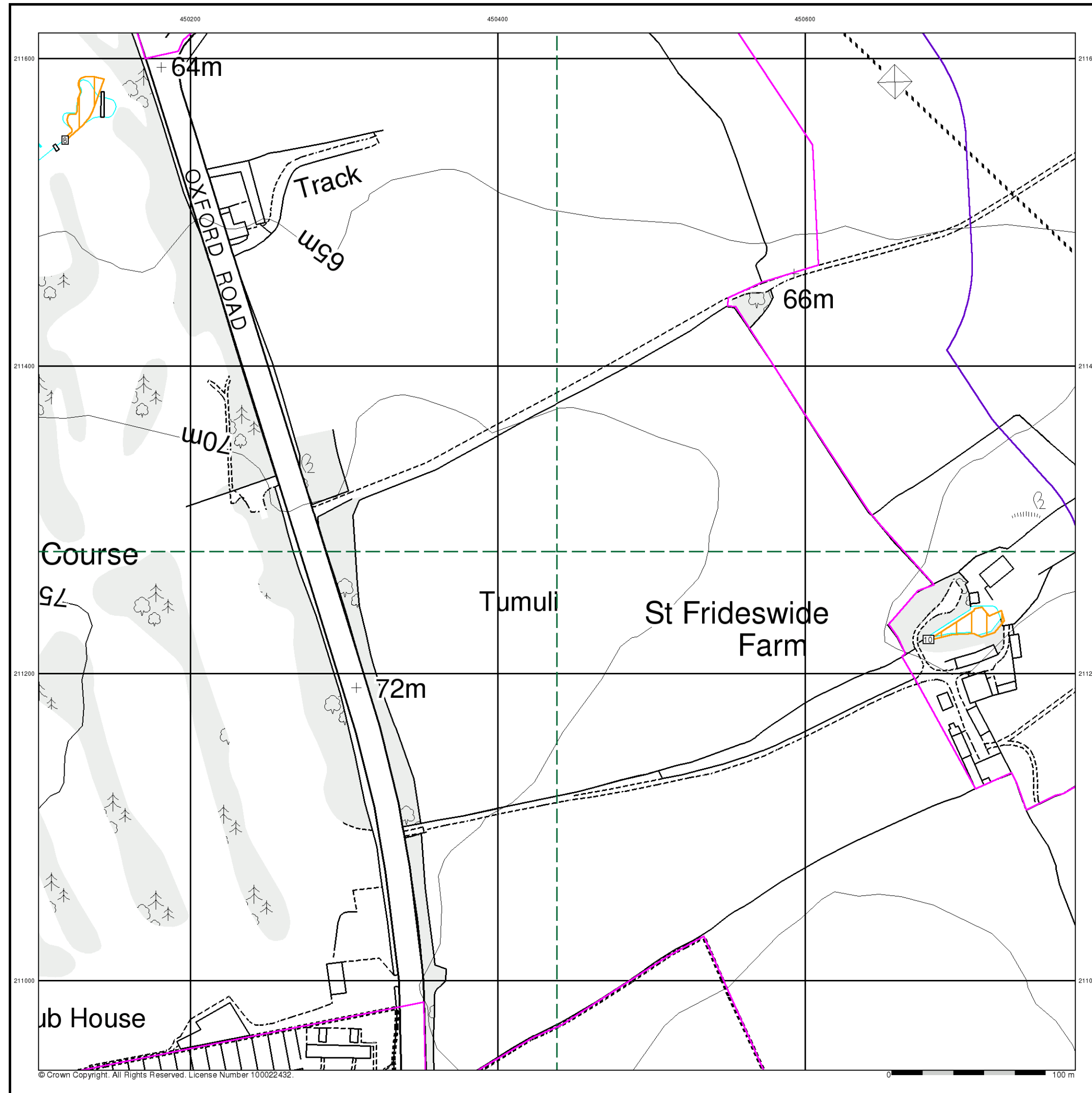
### Order Details

Order Number: 157505927\_1\_1  
 Customer Ref: 8170282/GC/054/2018  
 National Grid Reference: 449860, 211090  
 Slice: A  
 Site Area (Ha): 77.7  
 Plot Buffer (m): 100

### Site Details

Site at 450660, 211190





## Historical Land Use Information (1:2,500)

### General

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

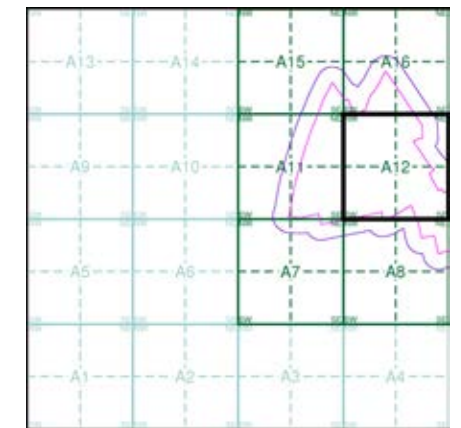
### Potentially Contaminative Industrial Uses (Extractive Industries Activity)

	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 A12

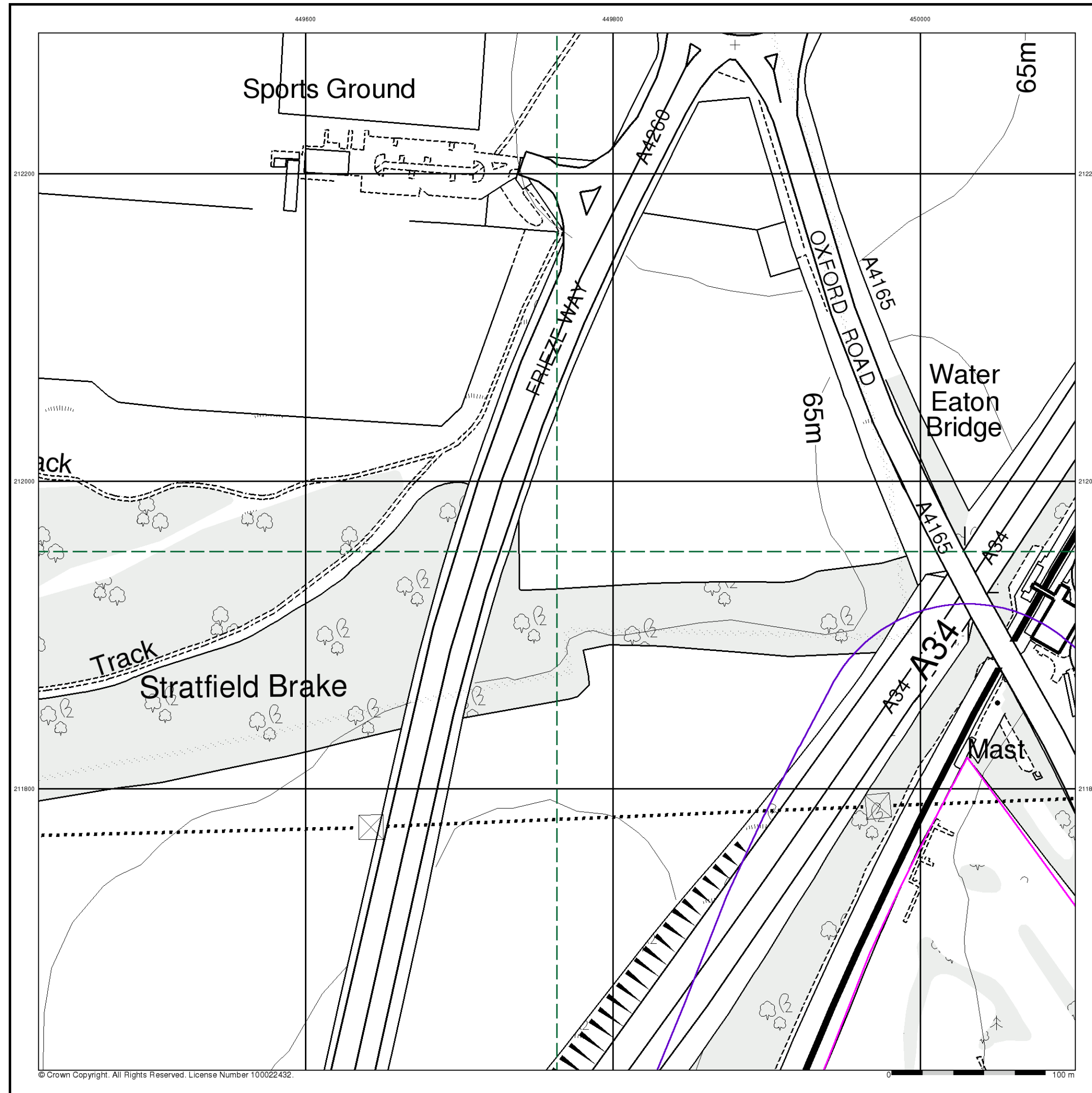


### Order Details

Order Number: 157505927\_1\_1  
 Customer Ref: 8170282/GC/054/2018  
 National Grid Reference: 449860, 211090  
 Slice: A  
 Site Area (Ha): 77.7  
 Plot Buffer (m): 100

### Site Details

Site at 450660, 211190



## Historical Land Use Information (1:2,500)

### General

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

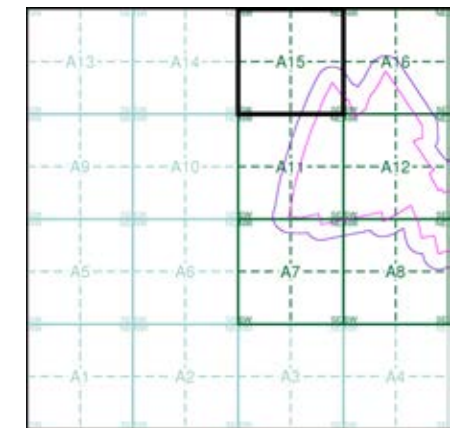
### Potentially Contaminative Industrial Uses (Extractive Industries Activity)

	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 A15

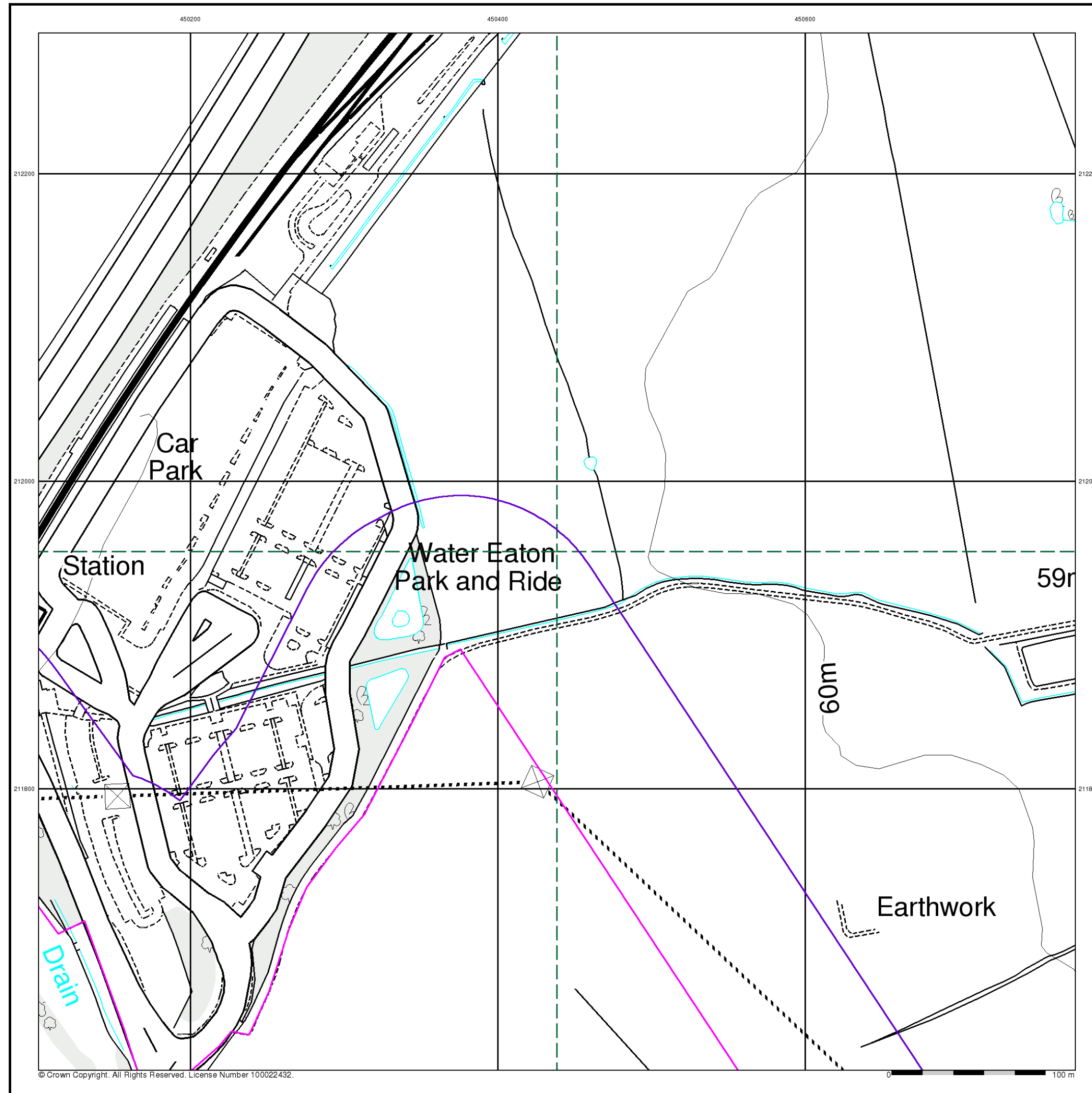


### Order Details

Order Number: 157505927\_1\_1  
 Customer Ref: 8170282/GC/054/2018  
 National Grid Reference: 449860, 211090  
 Slice: A  
 Site Area (Ha): 77.7  
 Plot Buffer (m): 100

### Site Details

Site at 450660, 211190



### General

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

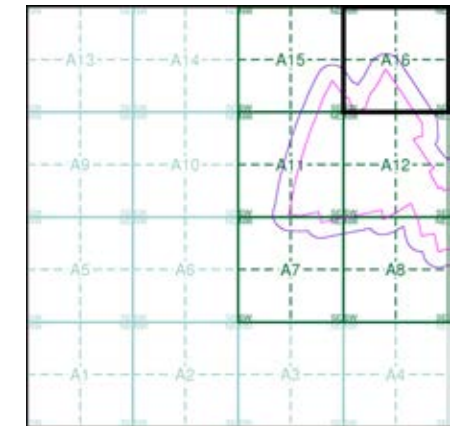
### Potentially Contaminative Industrial Uses (Extractive Industries Activity)

	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 - 1960	▲	—	■

### Subterranean Features

	Point	Line	Polygon
Subterranean Features	▼	- - -	■

### Mining and Ground Stability - Segment A16



### Order Details

Order Number: 157505927\_1\_1  
 Customer Ref: 8170282/GC/054/2018  
 National Grid Reference: 449860, 211090  
 Slice: A  
 Site Area (Ha): 77.7  
 Plot Buffer (m): 100

### Site Details

Site at 450660, 211190



## Motion Map Data (1:2,500)

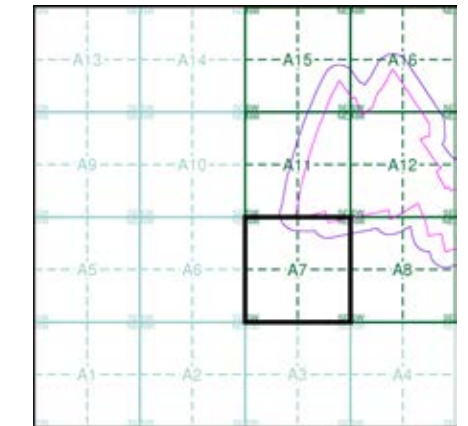
### General

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

### Average Velocity Gradient

- Upward Movement > 3.5mm per year ●
- Upward Movement 1.5mm to 3.5mm per year ●
- Stable 1.5mm to -1.5mm per year ●
- Downward Movement -1.5mm to -3.5mm per year ●
- Downward Movement > -3.5mm per year ●

### Mining and Ground Stability - Segment A7

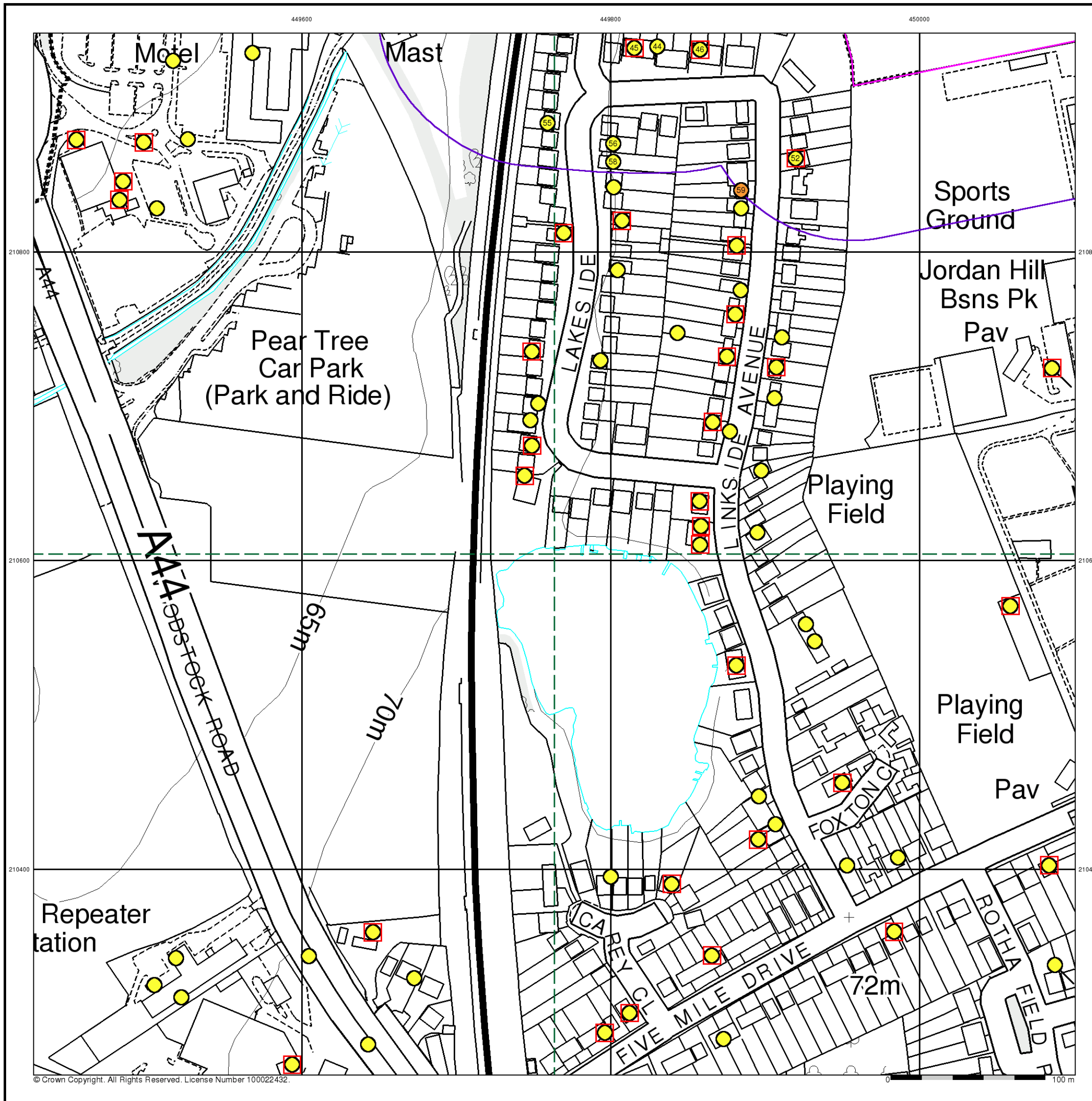


### Order Details

Order Number: 157505927\_1\_1  
 Customer Ref: 8170282/GC/054/2018  
 National Grid Reference: 449860, 211090  
 Slice: A  
 Site Area (Ha): 77.7  
 Plot Buffer (m): 100

### Site Details

Site at 450660, 211190



## Motion Map Data (1:2,500)

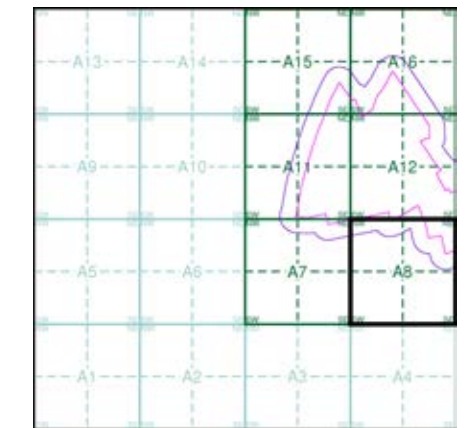
### General

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

### Average Velocity Gradient

- Upward Movement > 3.5mm per year ●
- Upward Movement 1.5mm to 3.5mm per year ●
- Stable 1.5mm to -1.5mm per year ●
- Downward Movement -1.5mm to -3.5mm per year ●
- Downward Movement > -3.5mm per year ●

### Mining and Ground Stability - Segment A8



### Order Details

Order Number: 157505927\_1\_1  
 Customer Ref: 8170282/GC/054/2018  
 National Grid Reference: 449860, 211090  
 Slice: A  
 Site Area (Ha): 77.7  
 Plot Buffer (m): 100

### Site Details

Site at 450660, 211190



© Crown Copyright. All Rights Reserved. License Number 100022432

## Motion Map Data (1:2,500)

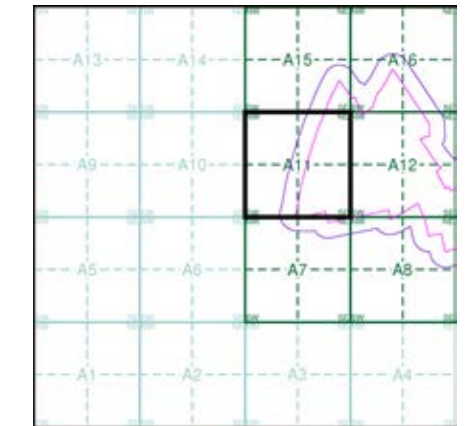
### General

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

### Average Velocity Gradient

- Upward Movement > 3.5mm per year ●
- Upward Movement 1.5mm to 3.5mm per year ●
- Stable 1.5mm to -1.5mm per year ●
- Downward Movement -1.5mm to -3.5mm per year ●
- Downward Movement > -3.5mm per year ●

### Mining and Ground Stability - Segment A11

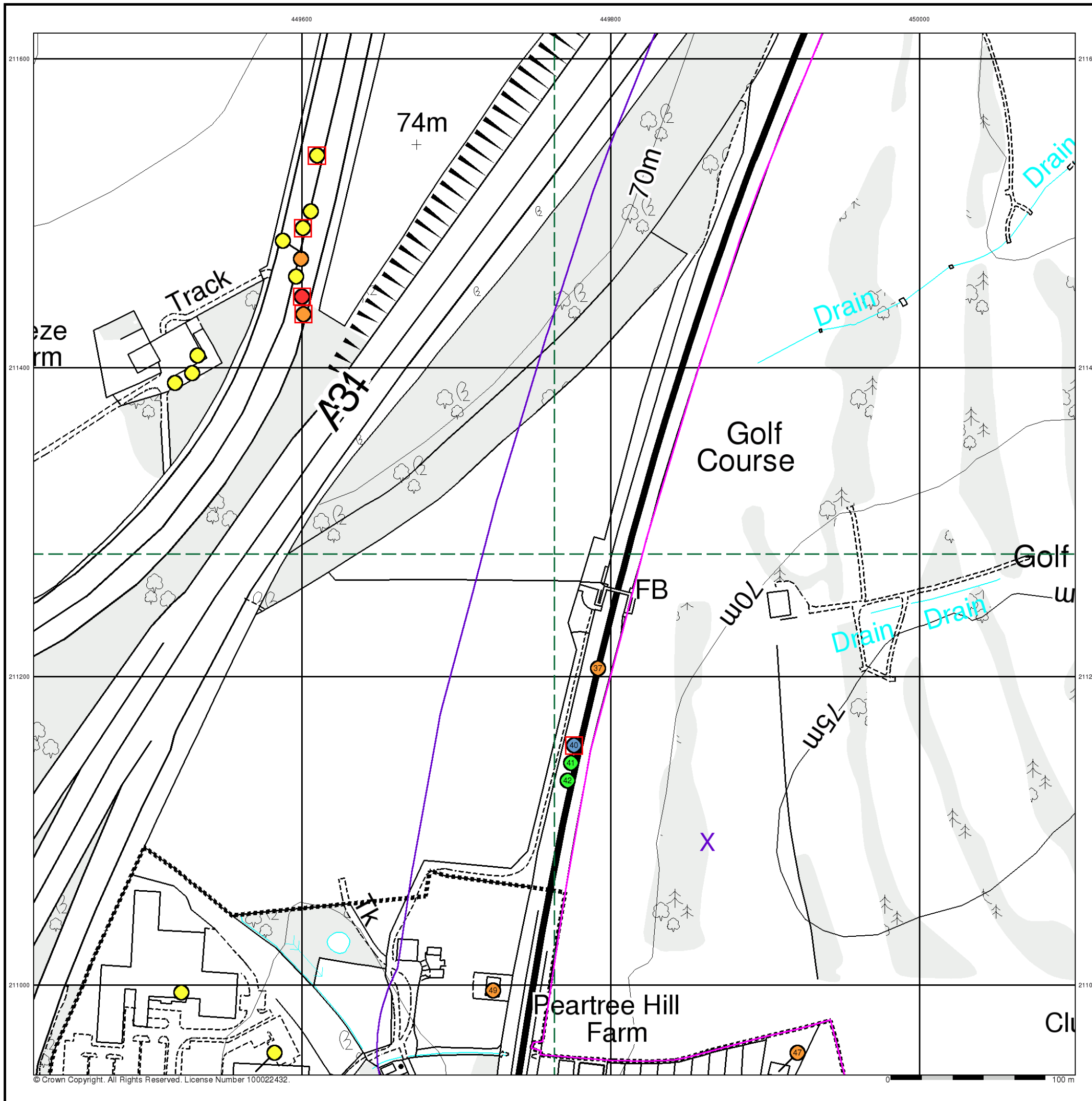


### Order Details

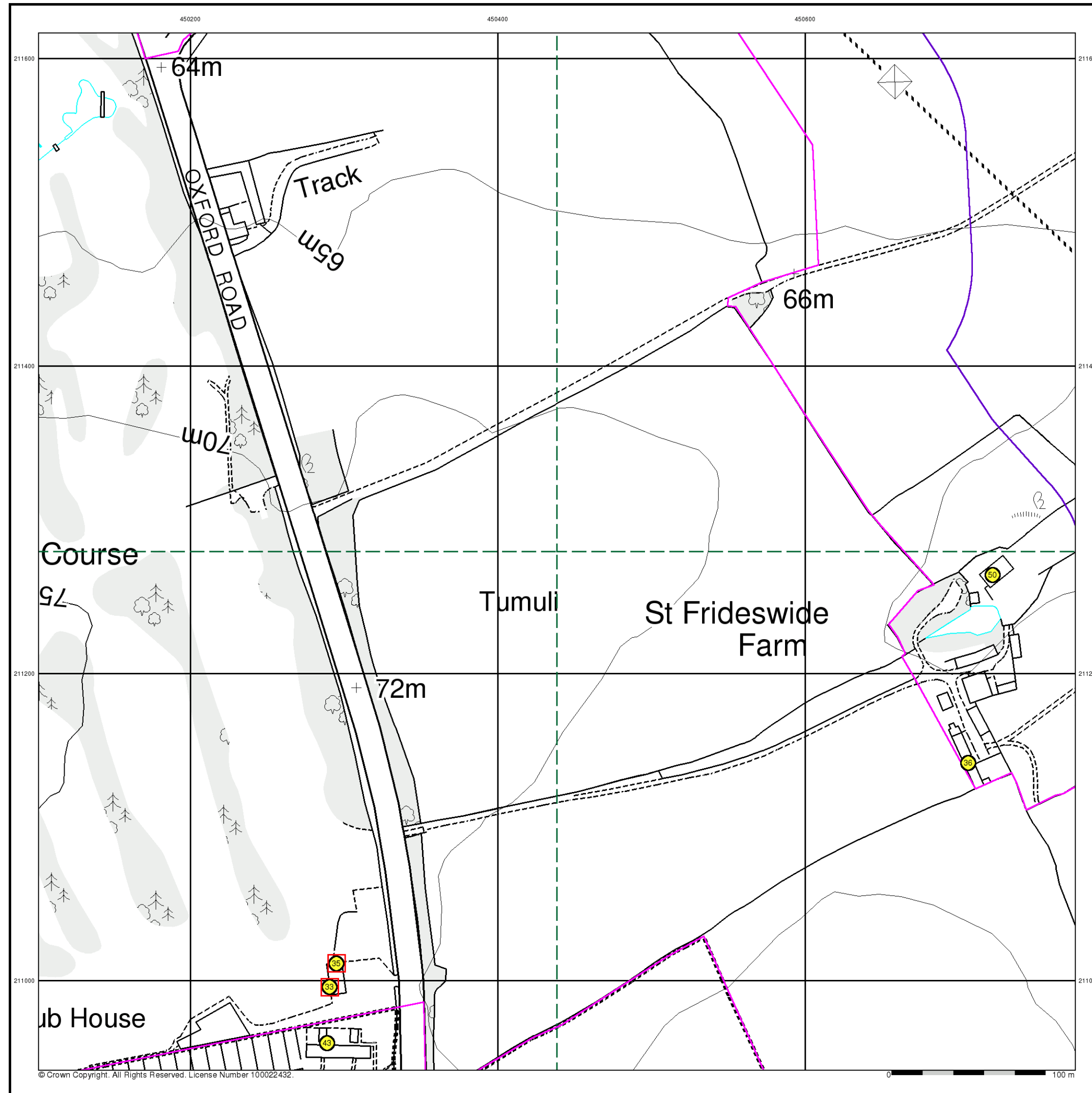
Order Number: 157505927\_1\_1  
 Customer Ref: 8170282/GC/054/2018  
 National Grid Reference: 449860, 211090  
 Slice: A  
 Site Area (Ha): 77.7  
 Plot Buffer (m): 100

### Site Details

Site at 450660, 211190



© Crown Copyright. All Rights Reserved. License Number 100022432.

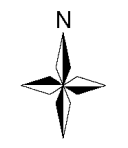
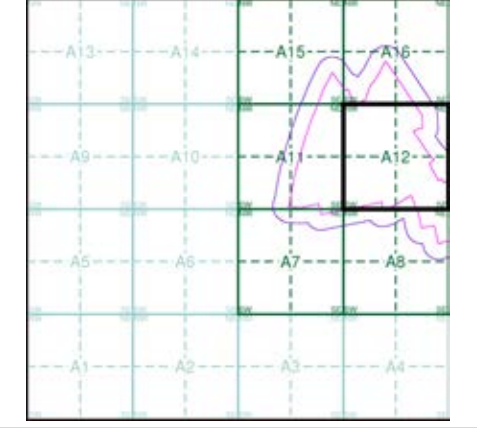


## Motion Map Data (1:2,500)

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

- Average Velocity Gradient**
- Upward Movement > 3.5mm per year ●
  - Upward Movement 1.5mm to 3.5mm per year ●
  - Stable 1.5mm to -1.5mm per year ●
  - Downward Movement -1.5mm to -3.5mm per year ●
  - Downward Movement > -3.5mm per year ●

### Mining and Ground Stability - Segment A12



**Order Details**

Order Number: 157505927\_1\_1  
 Customer Ref: 8170282/GC/054/2018  
 National Grid Reference: 449860, 211090  
 Slice: A  
 Site Area (Ha): 77.7  
 Plot Buffer (m): 100

**Site Details**  
 Site at 450660, 211190

© Crown Copyright. All Rights Reserved. License Number 100022432

## Motion Map Data (1:2,500)

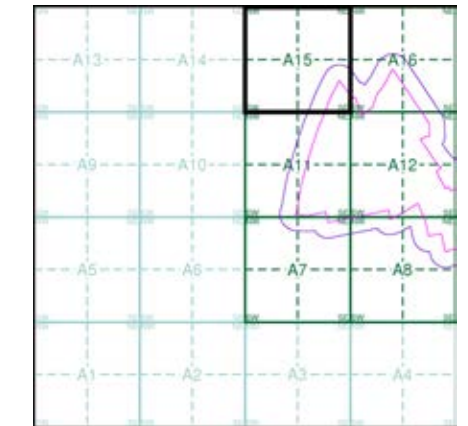
### General

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

### Average Velocity Gradient

- Upward Movement > 3.5mm per year ●
- Upward Movement 1.5mm to 3.5mm per year ●
- Stable 1.5mm to -1.5mm per year ●
- Downward Movement -1.5mm to -3.5mm per year ●
- Downward Movement > -3.5mm per year ●

### Mining and Ground Stability - Segment A15

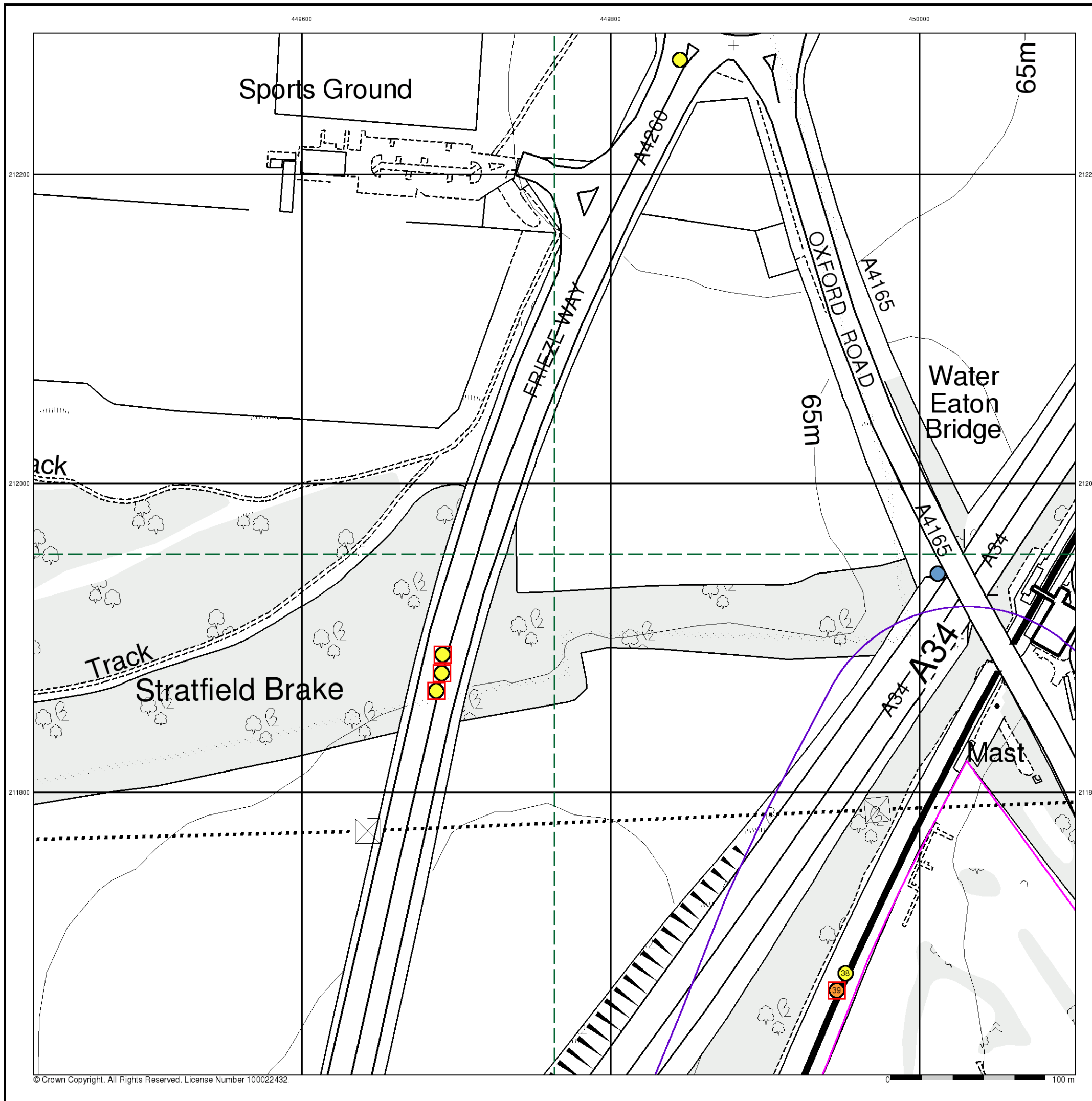


### Order Details

Order Number: 157505927\_1\_1  
 Customer Ref: 8170282/GC/054/2018  
 National Grid Reference: 449860, 211090  
 Slice: A  
 Site Area (Ha): 77.7  
 Plot Buffer (m): 100

### Site Details

Site at 450660, 211190



## Motion Map Data (1:2,500)

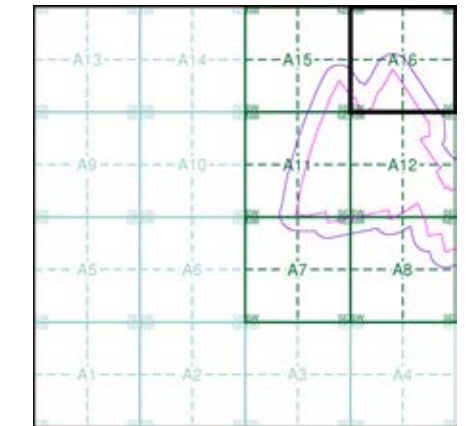
### General

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

### Average Velocity Gradient

- Upward Movement > 3.5mm per year ●
- Upward Movement 1.5mm to 3.5mm per year ●
- Stable 1.5mm to -1.5mm per year ●
- Downward Movement -1.5mm to -3.5mm per year ●
- Downward Movement > -3.5mm per year ●

### Mining and Ground Stability - Segment A16

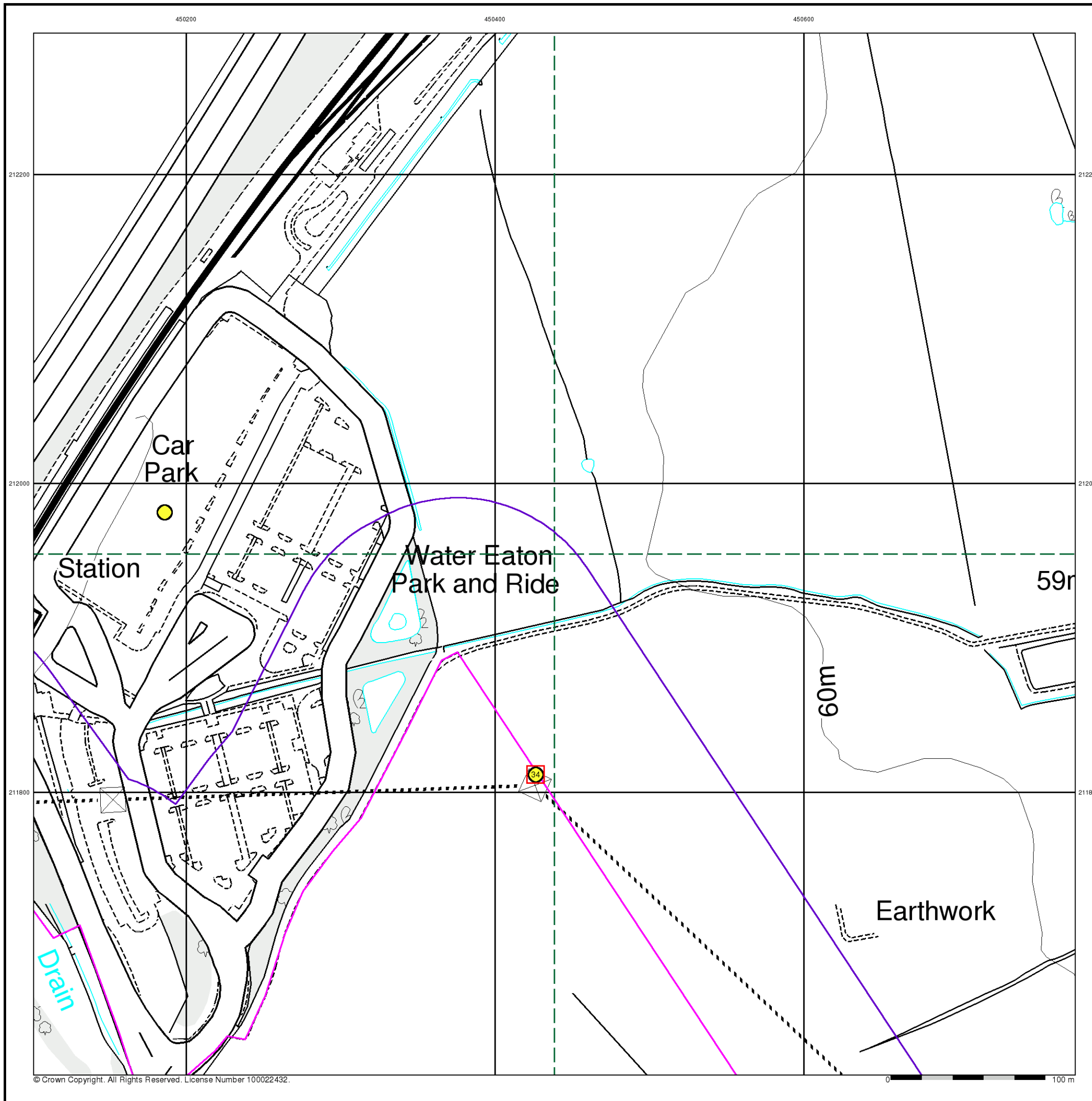


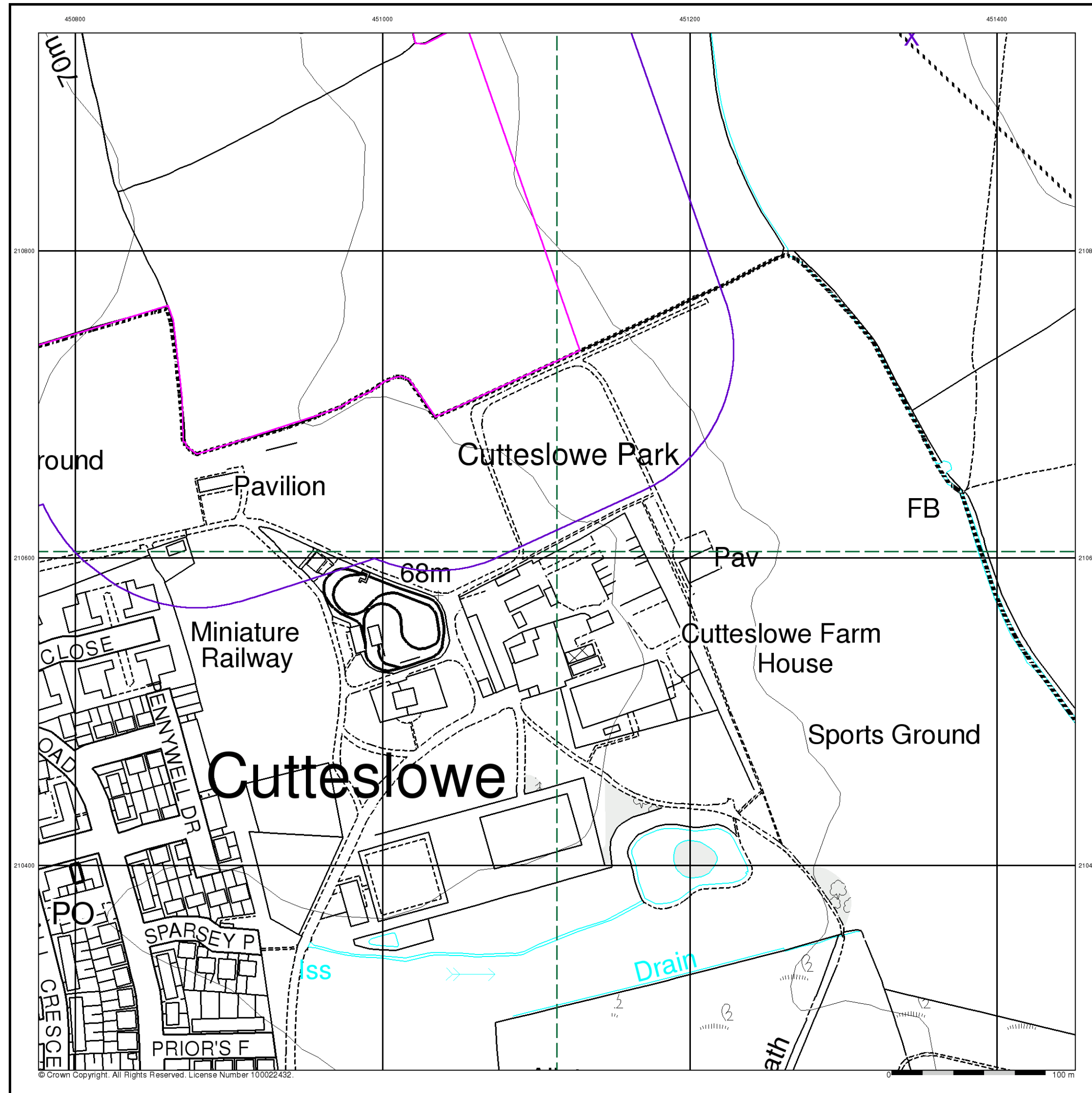
### Order Details

Order Number: 157505927\_1\_1  
 Customer Ref: 8170282/GC/054/2018  
 National Grid Reference: 449860, 211090  
 Slice: A  
 Site Area (Ha): 77.7  
 Plot Buffer (m): 100

### Site Details

Site at 450660, 211190





### General

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

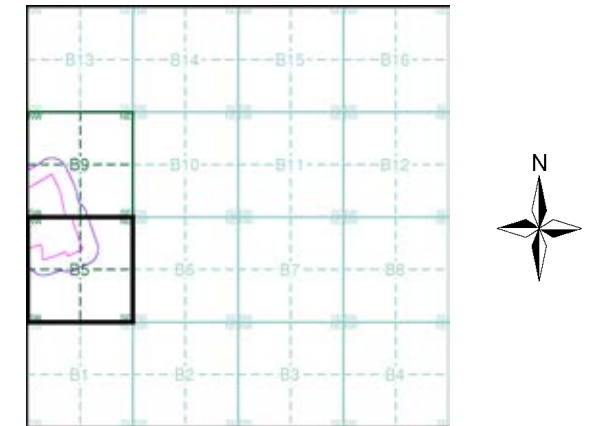
### Potentially Contaminative Industrial Uses (Extractive Industries Activity)

	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 B5



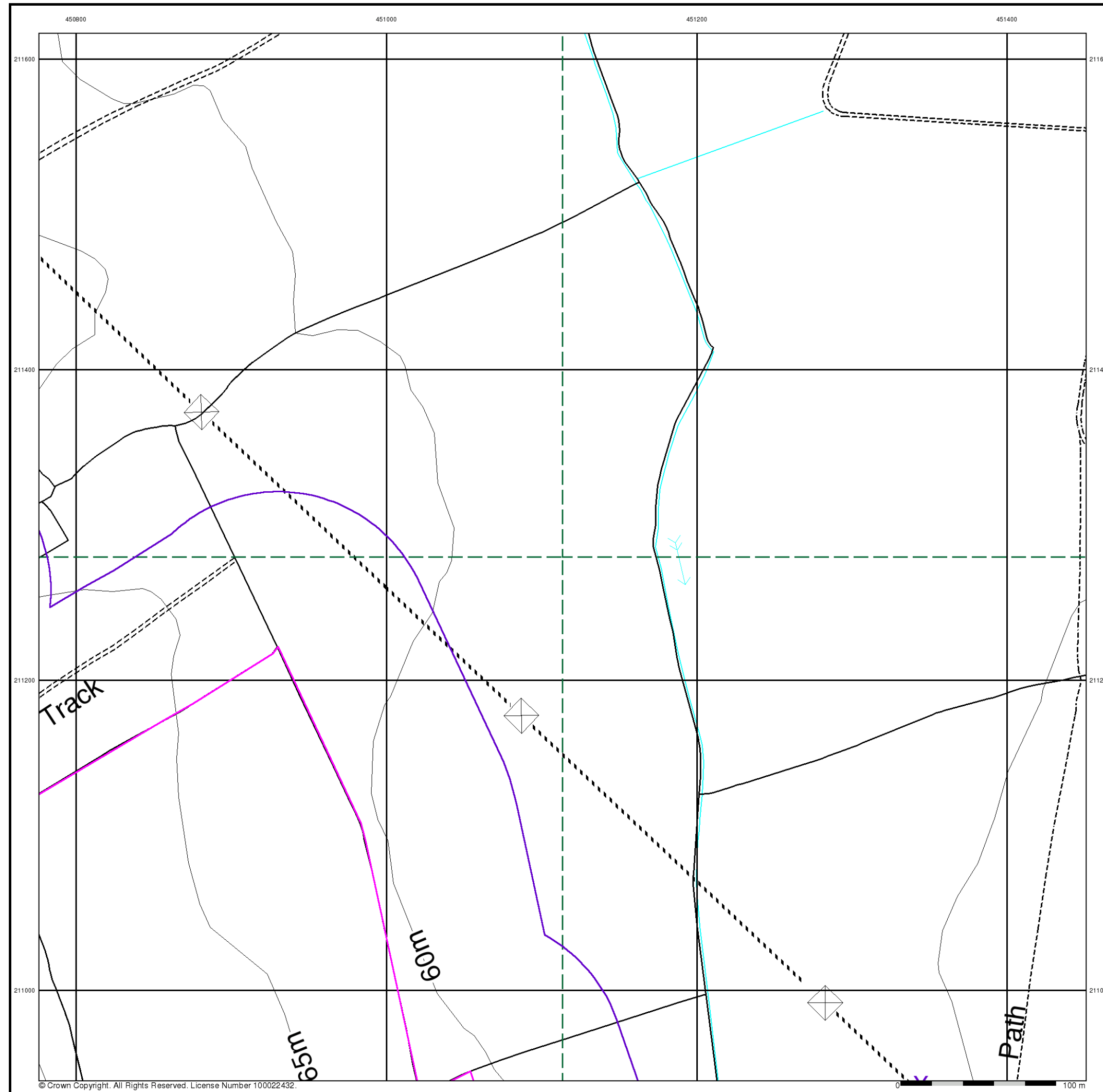
### Order Details

Order Number: 157505927\_1\_1  
 Customer Ref: 8170282/GC/054/2018  
 National Grid Reference: 451340, 210940  
 Slice: B  
 Site Area (Ha): 77.7  
 Plot Buffer (m): 100

### Site Details

Site at 450660, 211190

© Crown Copyright. All Rights Reserved. License Number 100022432.



© Crown Copyright. All Rights Reserved. License Number 100022432.

## Historical Land Use Information (1:2,500)

### General

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

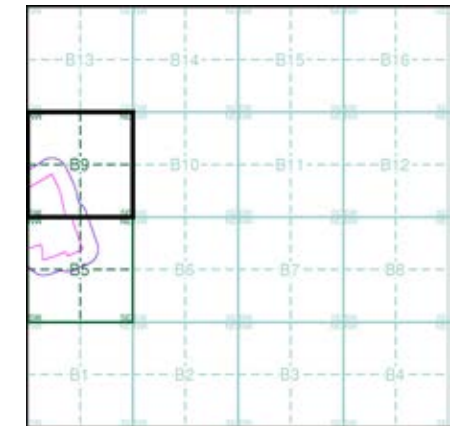
### Potentially Contaminative Industrial Uses (Extractive Industries Activity)

	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 B9



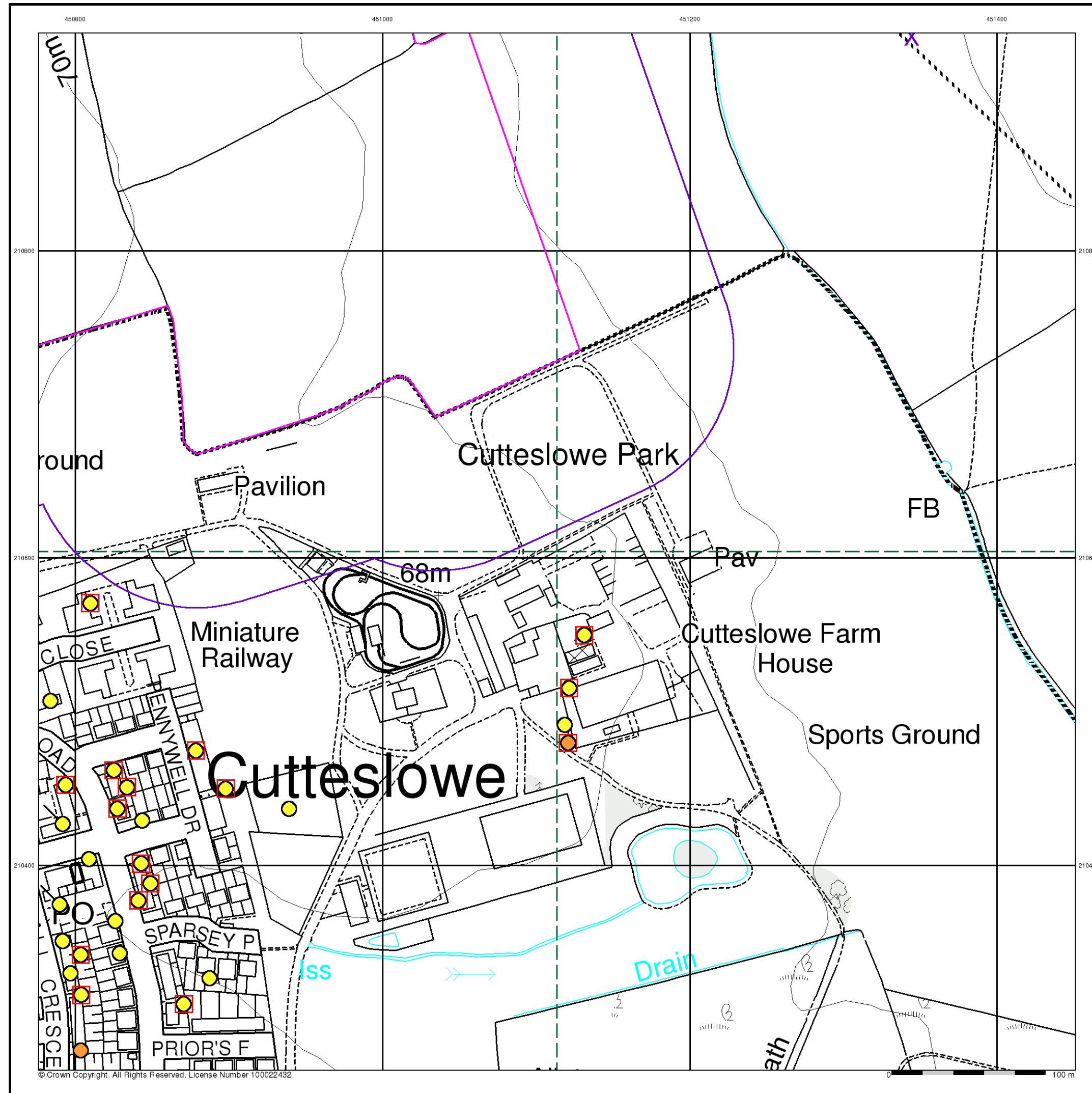
### Order Details

Order Number: 157505927\_1\_1  
 Customer Ref: 8170282/GC/054/2018  
 National Grid Reference: 451340, 210940  
 Slice: B  
 Site Area (Ha): 77.7  
 Plot Buffer (m): 100

### Site Details

Site at 450660, 211190



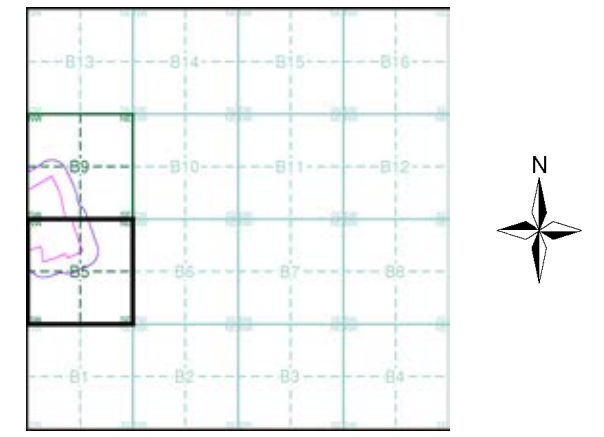


## Motion Map Data (1:2,500)

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

- Average Velocity Gradient**
- Upward Movement > 3.5mm per year ●
  - Upward Movement 1.5mm to 3.5mm per year ●
  - Stable 1.5mm to -1.5mm per year ●
  - Downward Movement -1.5mm to -3.5mm per year ●
  - Downward Movement > -3.5mm per year ●

### Mining and Ground Stability - Segment B5

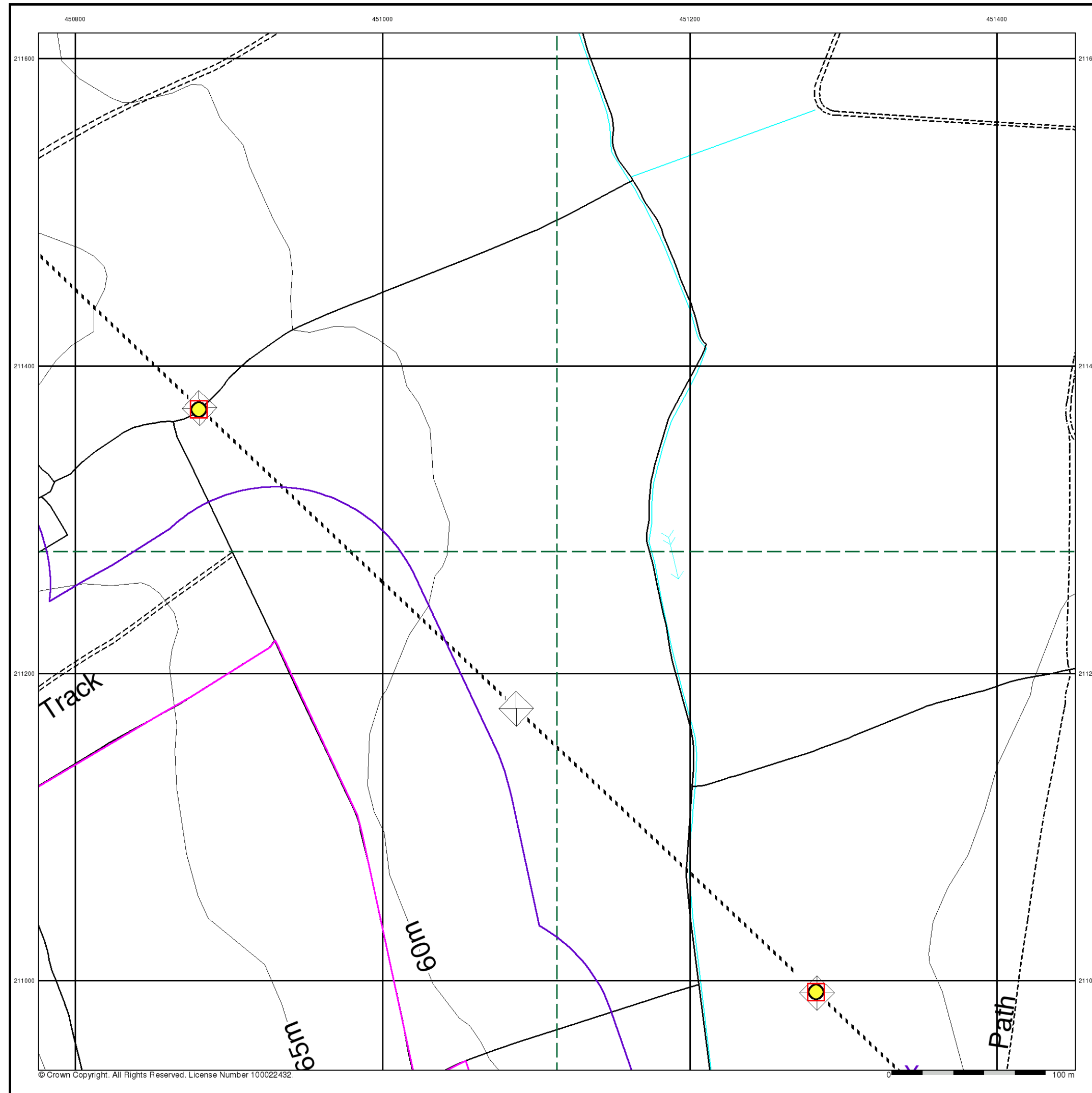


**Order Details**

Order Number: 157505927\_1\_1  
 Customer Ref: 8170282/GC/054/2018  
 National Grid Reference: 451340, 210940  
 Slice: B  
 Site Area (Ha): 77.7  
 Plot Buffer (m): 100

**Site Details**  
 Site at 450660, 211190

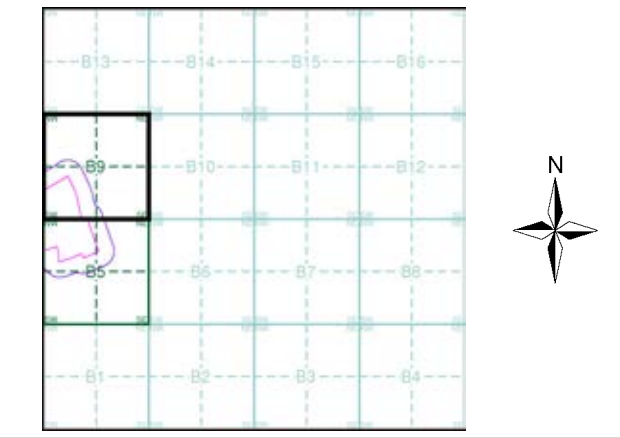
© Crown Copyright. All Rights Reserved. License Number 100022432.



## Motion Map Data (1:2,500)

- General**
- Specified Site
  - Specified Buffer(s)
  - Bearing Reference Point
  - Map ID
  - Several of Type at Location
- Average Velocity Gradient**
- Upward Movement > 3.5mm per year
  - Upward Movement 1.5mm to 3.5mm per year
  - Stable 1.5mm to -1.5mm per year
  - Downward Movement -1.5mm to -3.5mm per year
  - Downward Movement > -3.5mm per year

### Mining and Ground Stability - Segment B9



**Order Details**

Order Number: 157505927\_1\_1  
 Customer Ref: 8170282/GC/054/2018  
 National Grid Reference: 451340, 210940  
 Slice: B  
 Site Area (Ha): 77.7  
 Plot Buffer (m): 100

**Site Details**

Site at 450660, 211190

© Crown Copyright. All Rights Reserved. License Number 100022432.



## 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)

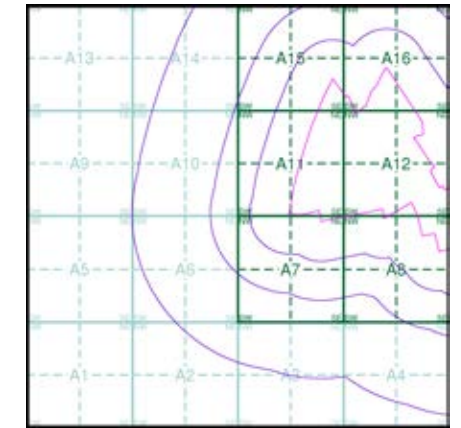
	Point	Line	Polygon
Air Shafts	◆	—	▨
Disturbed Ground	◆	—	▨
General Quarrying	◆	—	▨
Heap, unknown constituents	◆	—	▨
Mineral Railway	◆	—	▨
Mining and Quarrying General	◆	—	▨
Mining of Coal & Lignite	◆	—	▨
Quarrying of Sand and Clay, Operation of Sand and Gravel Pits	◆	—	▨

### 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**  
 Order Number: 157505927\_1\_1  
 Customer Ref: 8170282/GC/054/2018  
 National Grid Reference: 449860, 211090  
 Slice: A  
 Site Area (Ha): 77.7  
 Search Buffer (m): 1000

**Site Details**  
 Site at 450660, 211190



## Historical Land Use Information (1:10,000)

### General

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

### Potentially Contaminative Industrial Uses (Past Land Uses - Mining)

	Point	Line	Polygon
Air Shafts	<span style="color: cyan;">◆</span>	<span style="color: cyan;">—</span>	<span style="border: 1px solid cyan; padding: 0 2px;"> </span>
Disturbed Ground	<span style="color: purple;">◆</span>	<span style="color: purple;">—</span>	<span style="border: 1px solid purple; padding: 0 2px;"> </span>
General Quarrying	<span style="color: brown;">◆</span>	<span style="color: brown;">—</span>	<span style="border: 1px solid brown; padding: 0 2px;"> </span>
Heap, unknown constituents	<span style="color: green;">◆</span>	<span style="color: green;">—</span>	<span style="border: 1px solid green; padding: 0 2px;"> </span>
Mineral Railway	<span style="color: red;">◆</span>	<span style="color: red;">—</span>	<span style="border: 1px solid red; padding: 0 2px;"> </span>
Mining and Quarrying General	<span style="color: blue;">◆</span>	<span style="color: blue;">—</span>	<span style="border: 1px solid blue; padding: 0 2px;"> </span>
Mining of Coal & Lignite	<span style="color: orange;">◆</span>	<span style="color: orange;">—</span>	<span style="border: 1px solid orange; padding: 0 2px;"> </span>
Quarrying of Sand and Clay, Operation of Sand and Gravel Pits	<span style="color: blue;">◆</span>	<span style="color: blue;">—</span>	<span style="border: 1px solid blue; padding: 0 2px;"> </span>

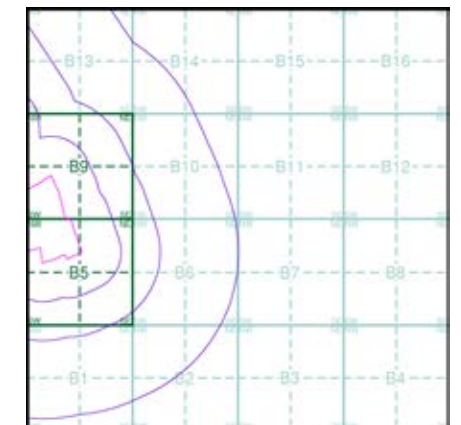
### Historical Land Use

	Point	Line	Polygon
Potentially Infilled Land (Non-Water)	<span style="color: brown;">●</span>	<span style="color: brown;">- - -</span>	<span style="border: 1px dashed brown; padding: 0 2px;"> </span>
Potentially Infilled Land (Water)	<span style="color: green;">●</span>	<span style="color: green;">- - -</span>	<span style="border: 1px dashed green; padding: 0 2px;"> </span>
Former Marsh	<span style="color: blue;">✕</span>		

### Mining Data

- Potential Mining Area
- ▼ BGS Recorded Mineral Site

### Mining and Ground Stability - Slice B

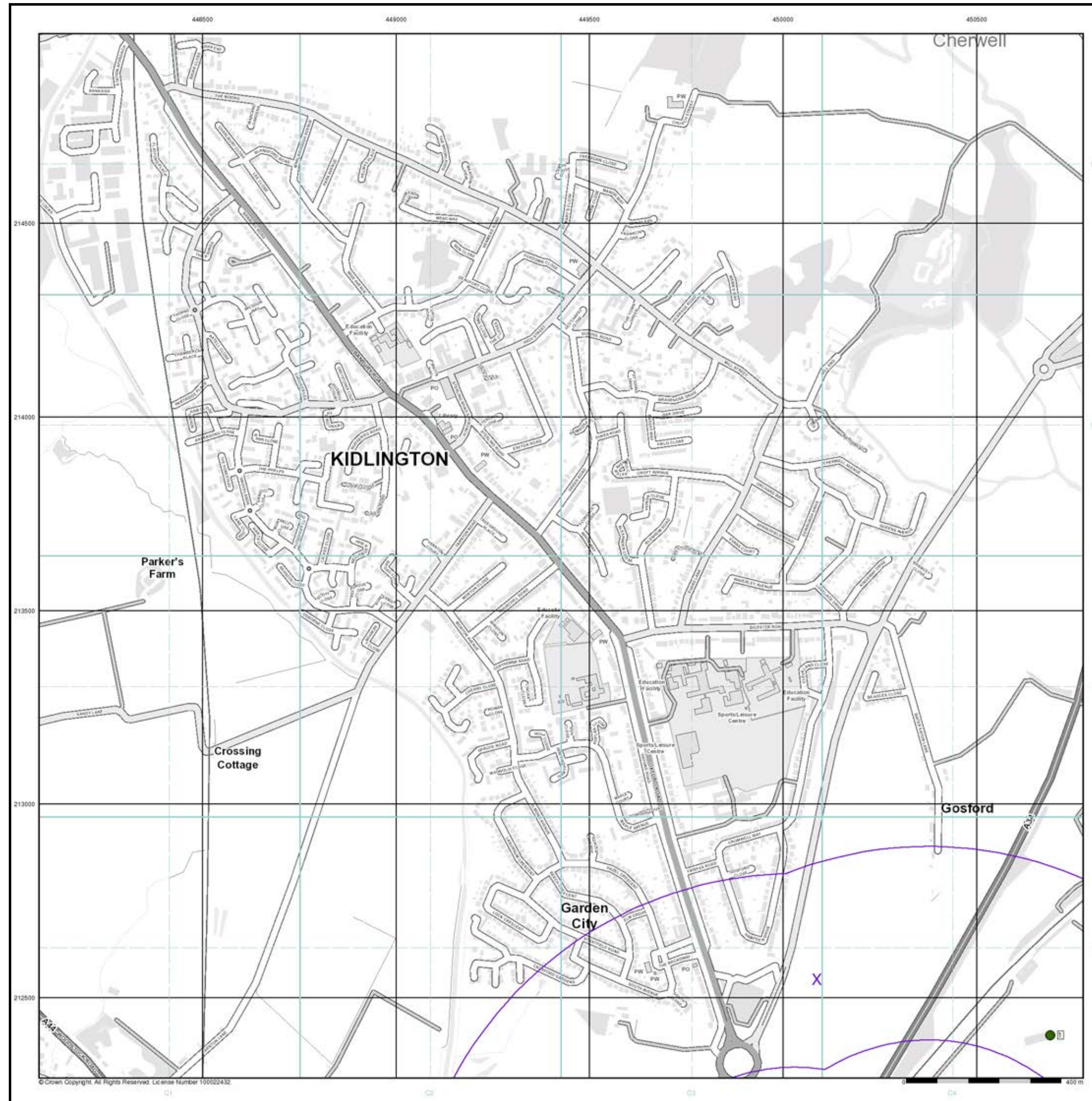


### Order Details

Order Number: 157505927\_1\_1  
 Customer Ref: 8170282/GC/054/2018  
 National Grid Reference: 451340, 210940  
 Slice: B  
 Site Area (Ha): 77.7  
 Search Buffer (m): 1000

### Site Details

Site at 450660, 211190



## Historical Land Use Information (1:10,000)

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

### Potentially Contaminative Industrial Uses (Past Land Uses - Mining)

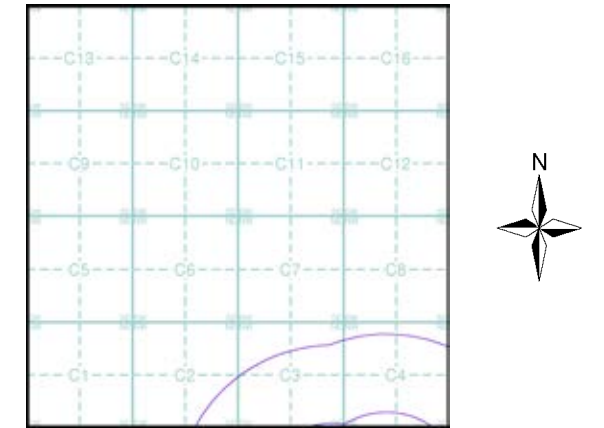
	Point	Line	Polygon
Air Shafts	◊	—	▭
Disturbed Ground	◊	—	▭
General Quarrying	◊	—	▭
Heap, unknown constituents	◊	—	▭
Mineral Railway	◊	—	▭
Mining and Quarrying General	◊	—	▭
Mining of Coal & Lignite	◊	—	▭
Quarrying of Sand and Clay, Operation of Sand and Gravel Pits	◊	—	▭

### Historical Land Use

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

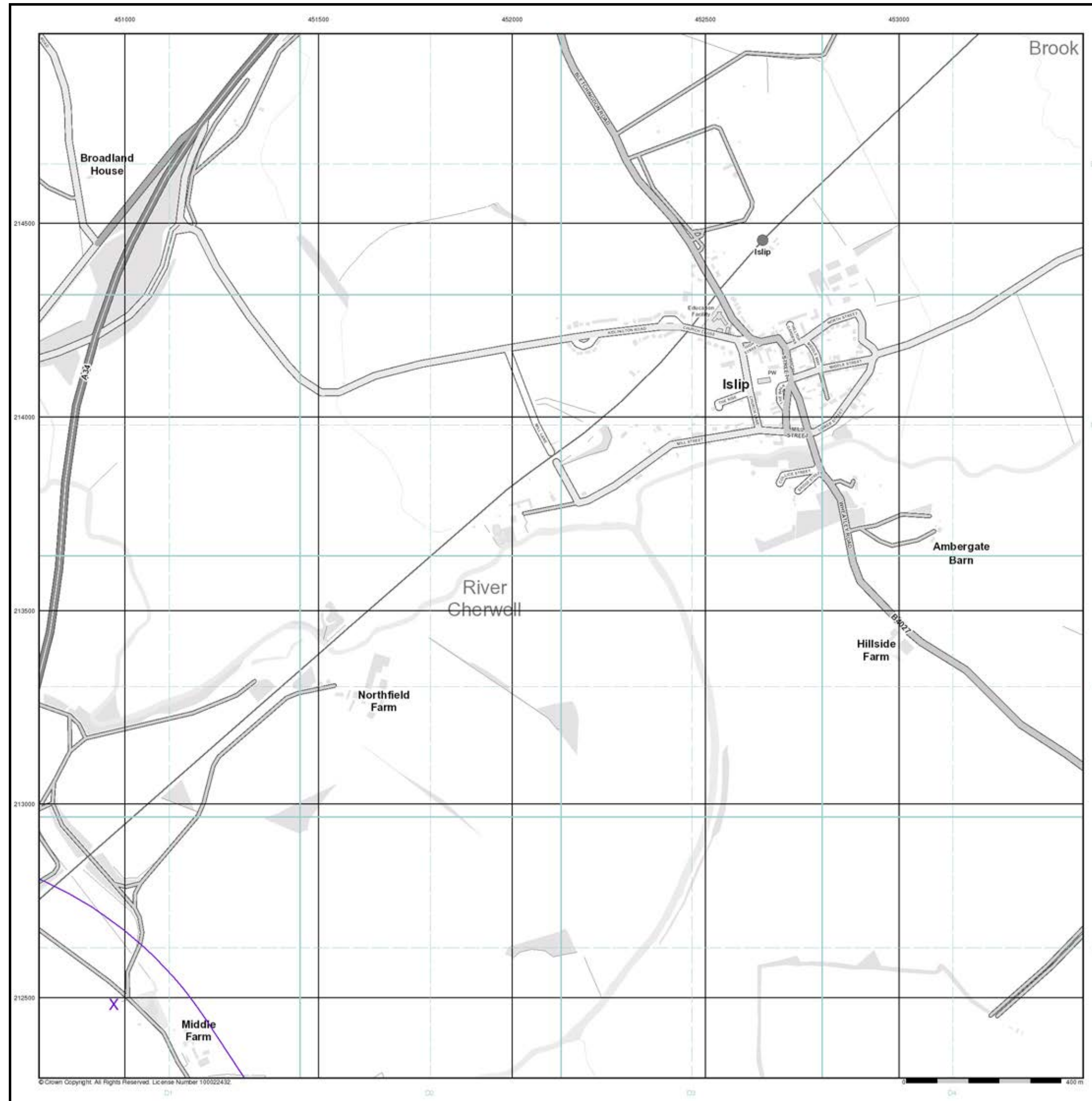
**Mining Data**  
 ▭ Potential Mining Area  
 ▼ BGS Recorded Mineral Site

### Mining and Ground Stability - Slice C



**Order Details**  
 Order Number: 157505927\_1\_1  
 Customer Ref: 8170282/GC/054/2018  
 National Grid Reference: 450090, 212550  
 Slice: C  
 Site Area (Ha): 77.7  
 Search Buffer (m): 1000

**Site Details**  
 Site at 450660, 211190



## 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			

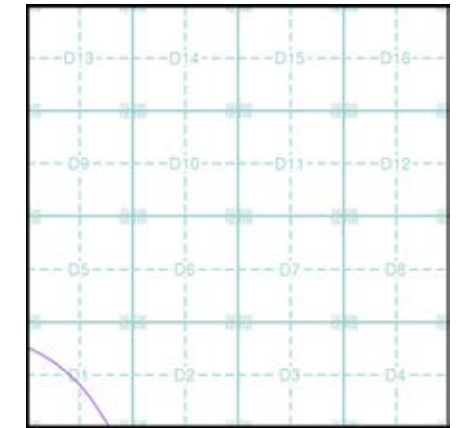
### Historical Land Use

	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 D

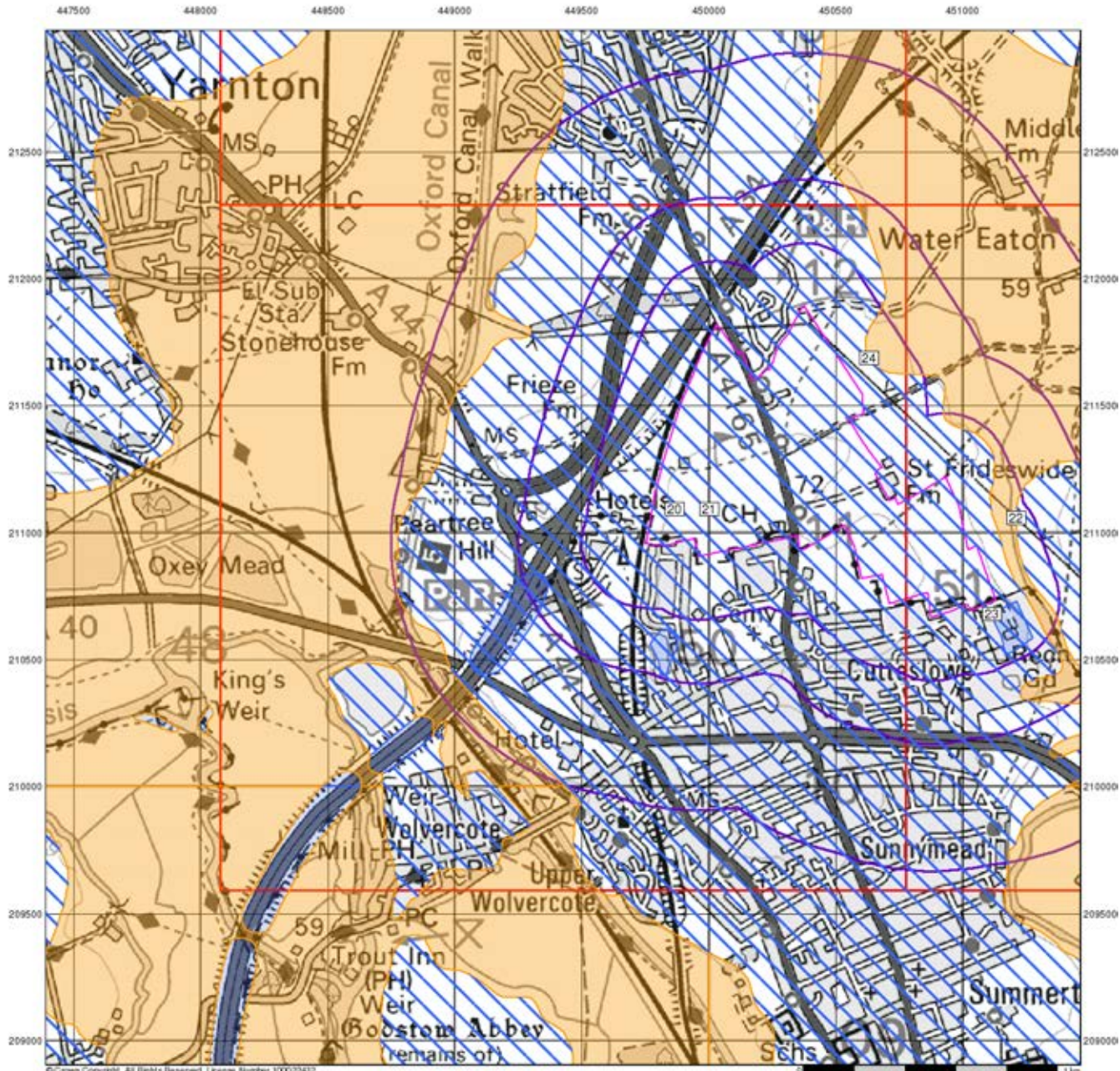


### Order Details

Order Number: 157505927\_1\_1  
 Customer Ref: 8170282/GC/054/2018  
 National Grid Reference: 450970, 212480  
 Slice: D  
 Site Area (Ha): 77.7  
 Search Buffer (m): 1000

### Site Details

Site at 450660, 211190



© Crown Copyright. All Rights Reserved. License Number 100022432

# 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
- Low
- Moderate
- Very Low

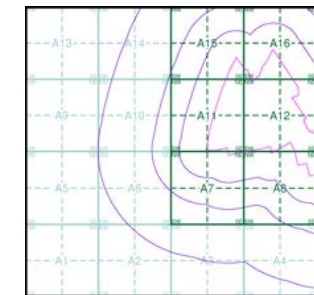
### Potential for Collapsible Ground Stability Hazards

- High
- Low
- Moderate
- 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: 157505927\_1\_1  
 Customer Ref: 8170282/GC/054/2018  
 National Grid Reference: 449860, 211090  
 Slice: A  
 Site Area (Ha): 77.7  
 Search Buffer (m): 1000

### Site Details

Site at 450660, 211190

**Landmark**  
 ● LANDMARK INFORMATION GROUP

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

447500 448000 448500 449000 449500 450000 450500 451000



© Crown Copyright. All Rights Reserved. License Number 100022432

# Envirocheck®

LANDMARK INFORMATION GROUP®

## Ground Stability Data (1:50,000)

### General

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

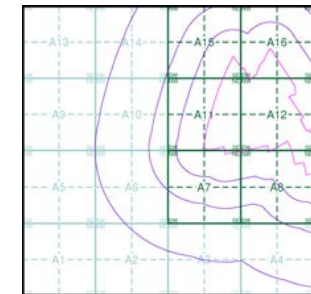
### Potential for Landslide Ground Stability Hazards

- High
- Low
- Moderate
- Very Low

### Potential for Ground Dissolution Stability Hazards

- High
- Low
- Moderate
- Very Low

### Mining and Ground Stability - Slice A



### Order Details

Order Number: 157505927\_1\_1  
 Customer Ref: 8170282/GC/054/2018  
 National Grid Reference: 449860, 211090  
 Slice: A  
 Site Area (Ha): 77.7  
 Search Buffer (m): 1000

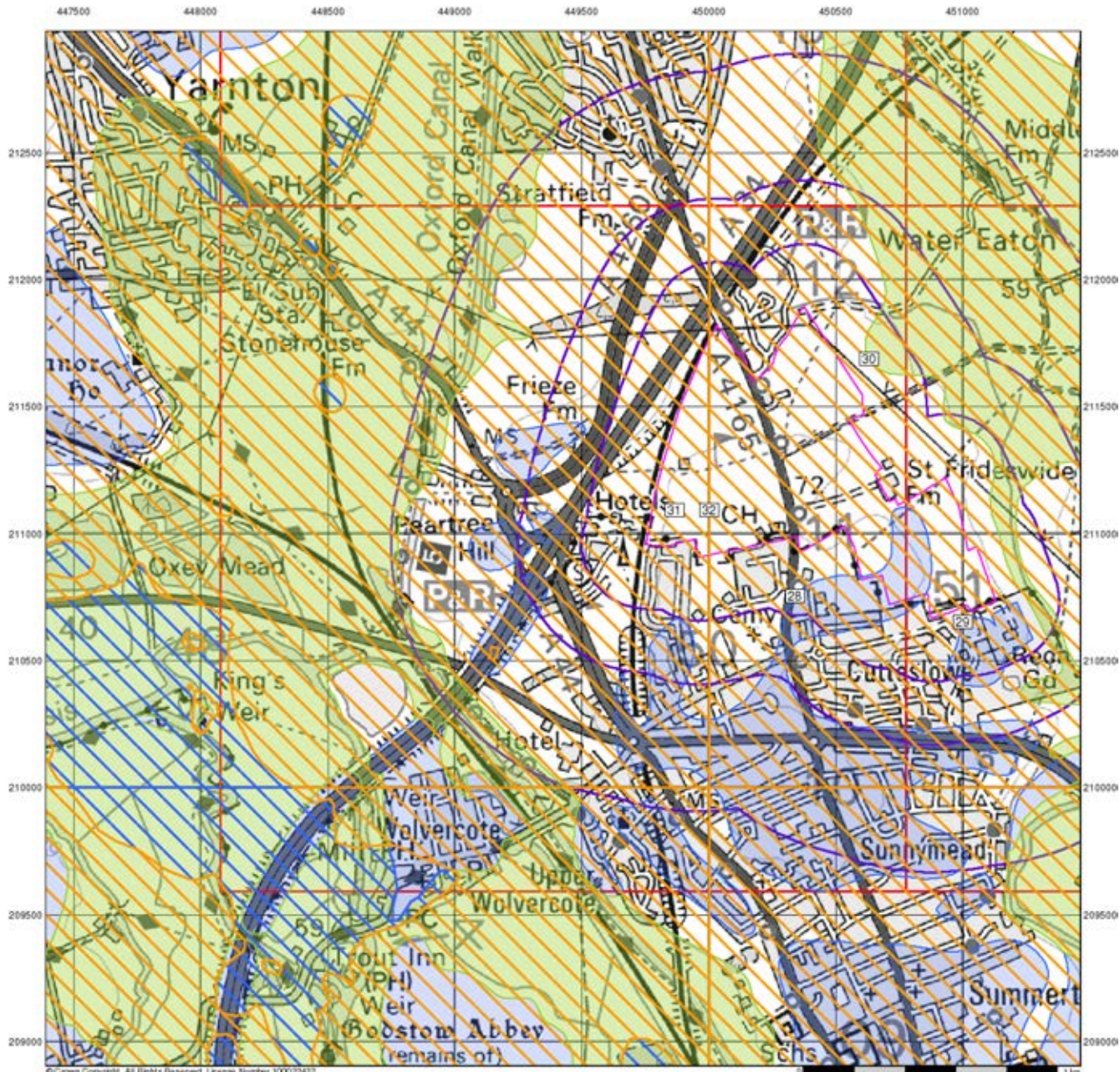
### Site Details

Site at 450660, 211190

**Landmark**  
 INFORMATION GROUP

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





© Crown Copyright. All Rights Reserved. License Number 100022432

# Envirocheck®

LANDMARK INFORMATION GROUP®

## Ground Stability Data (1:50,000)

### General

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

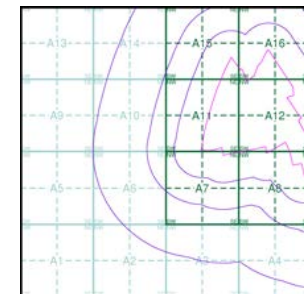
### Potential for Running Sand Ground Stability Hazards

- High
- 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

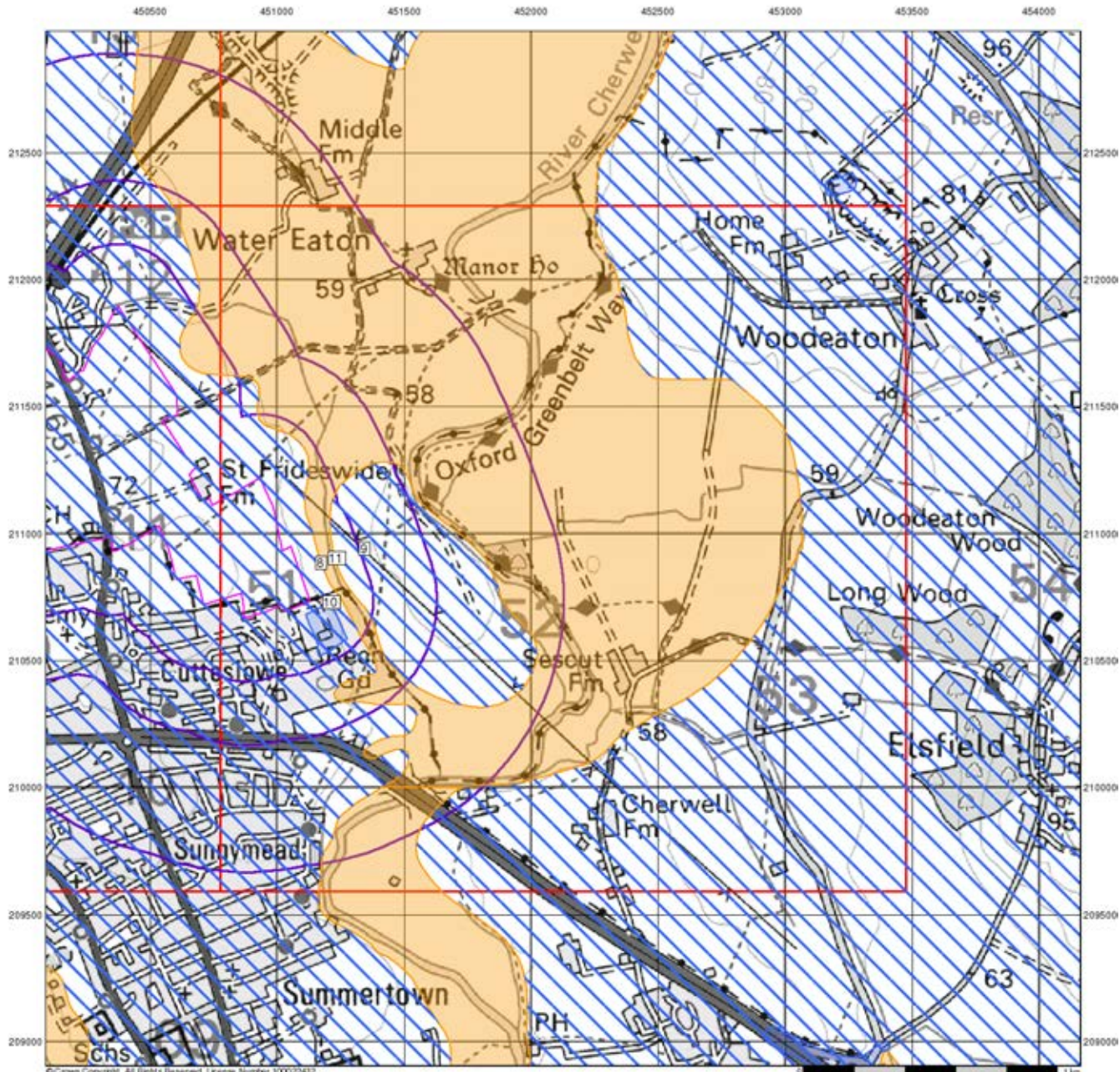
Order Number: 157505927\_1\_1  
 Customer Ref: 8170282/GC/054/2018  
 National Grid Reference: 449860, 211090  
 Slice: A  
 Site Area (Ha): 77.7  
 Search Buffer (m): 1000

### Site Details

Site at 450660, 211190

**Landmark**  
 INFORMATION GROUP

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



© Crown Copyright. All Rights Reserved. License Number 100022432

# Envirocheck<sup>®</sup>

LANDMARK INFORMATION GROUP<sup>®</sup>

## 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

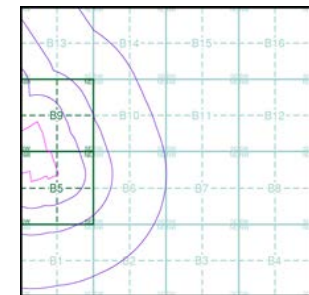
### Potential for Collapsible Ground Stability Hazards

- High
- Low
- Moderate
- Very Low

### Brine Pumping and Salt Mining

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

### Mining and Ground Stability - Slice B



### Order Details

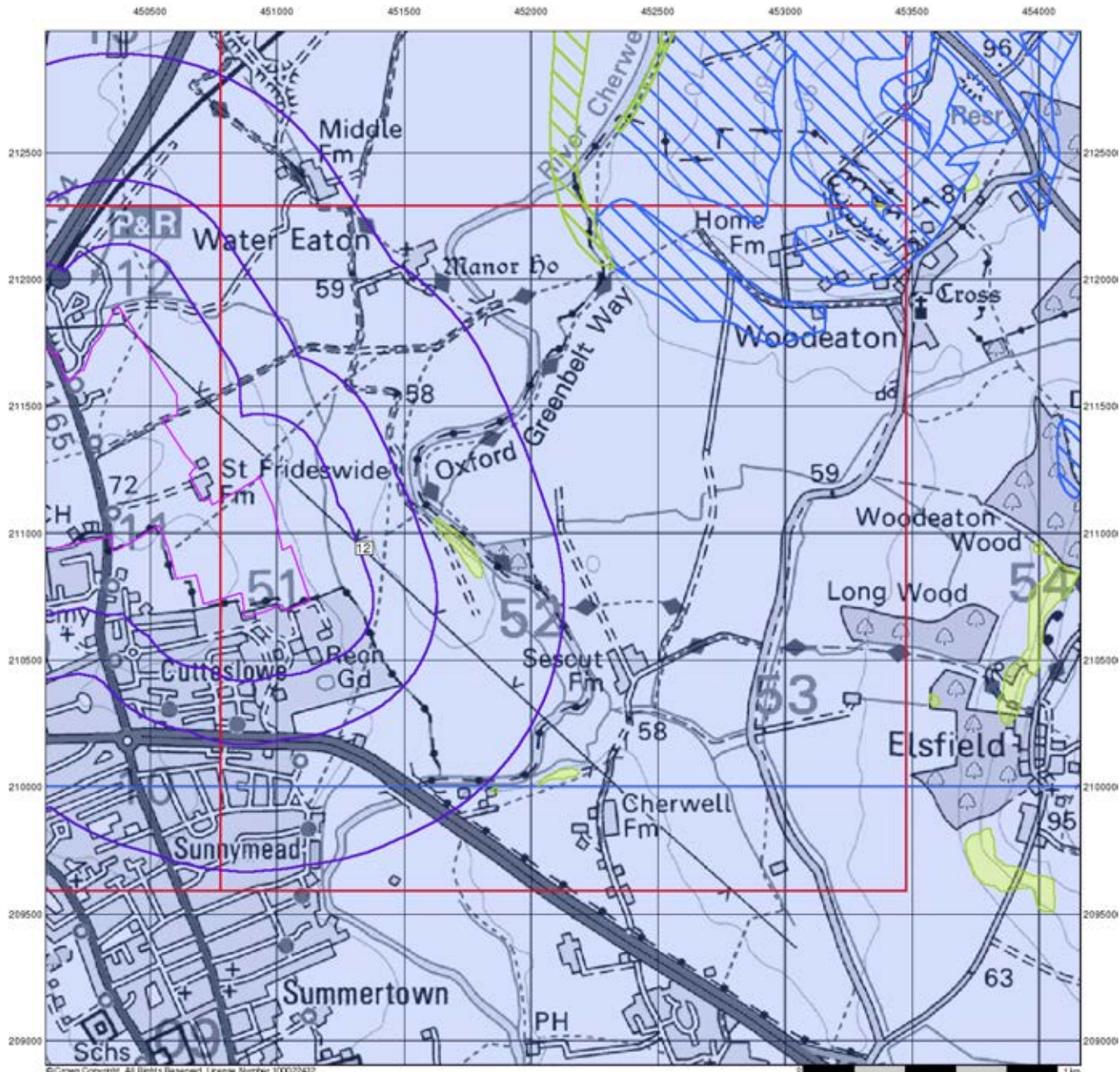
Order Number: 157505927\_1\_1  
 Customer Ref: 8170282/GC/054/2018  
 National Grid Reference: 451340, 210940  
 Slice: B  
 Site Area (Ha): 77.7  
 Search Buffer (m): 1000

### Site Details

Site at 450660, 211190

**Landmark**  
 INFORMATION GROUP

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



© Crown Copyright. All Rights Reserved. License Number 100022432

# Envirocheck®

LANDMARK INFORMATION GROUP®

## Ground Stability Data (1:50,000)

### General

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

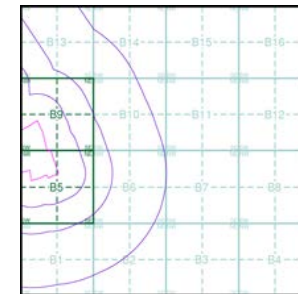
### Potential for Landslide Ground Stability Hazards

- ▭ High
- ▭ Low
- ▭ Moderate
- ▭ Very Low

### Potential for Ground Dissolution Stability Hazards

- ▭ High
- ▭ Low
- ▭ Moderate
- ▭ Very Low

### Mining and Ground Stability - Slice B



### Order Details

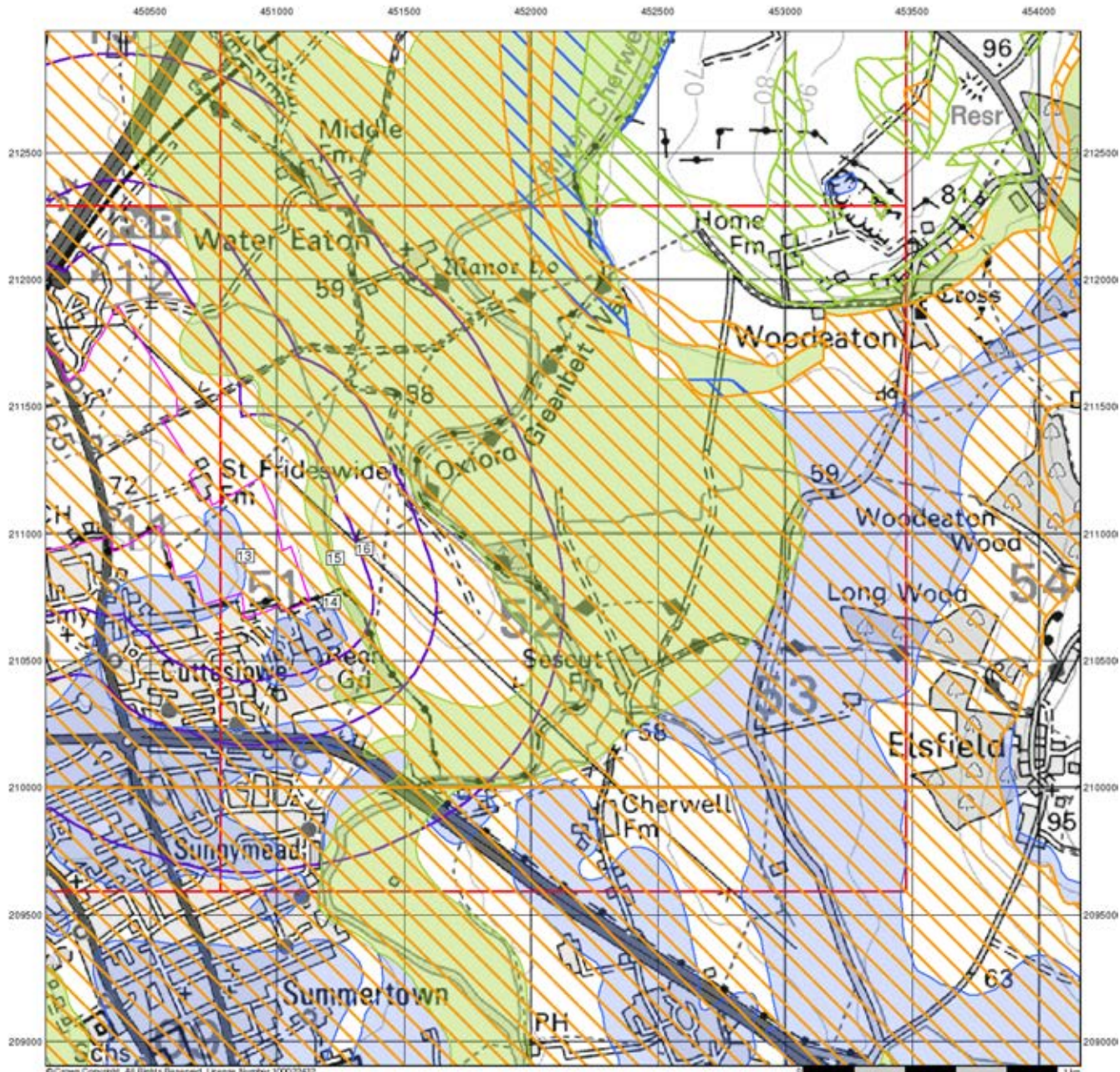
Order Number: 157505927\_1\_1  
 Customer Ref: 8170282/GC/054/2018  
 National Grid Reference: 451340, 210940  
 Slice: B  
 Site Area (Ha): 77.7  
 Search Buffer (m): 1000

### Site Details

Site at 450660, 211190

**Landmark**  
 INFORMATION GROUP

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



© Crown Copyright. All Rights Reserved. License Number 100022432

# Envirocheck®

LANDMARK INFORMATION GROUP®

## Ground Stability Data (1:50,000)

### General

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

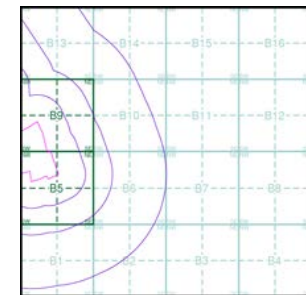
### Potential for Running Sand Ground Stability Hazards

- High
- Moderate
- Low
- Very Low

### Potential for Shrinking or Swelling Clay Ground Stability Hazards

- High
- Moderate
- Low
- Very Low

### Mining and Ground Stability - Slice B



### Order Details

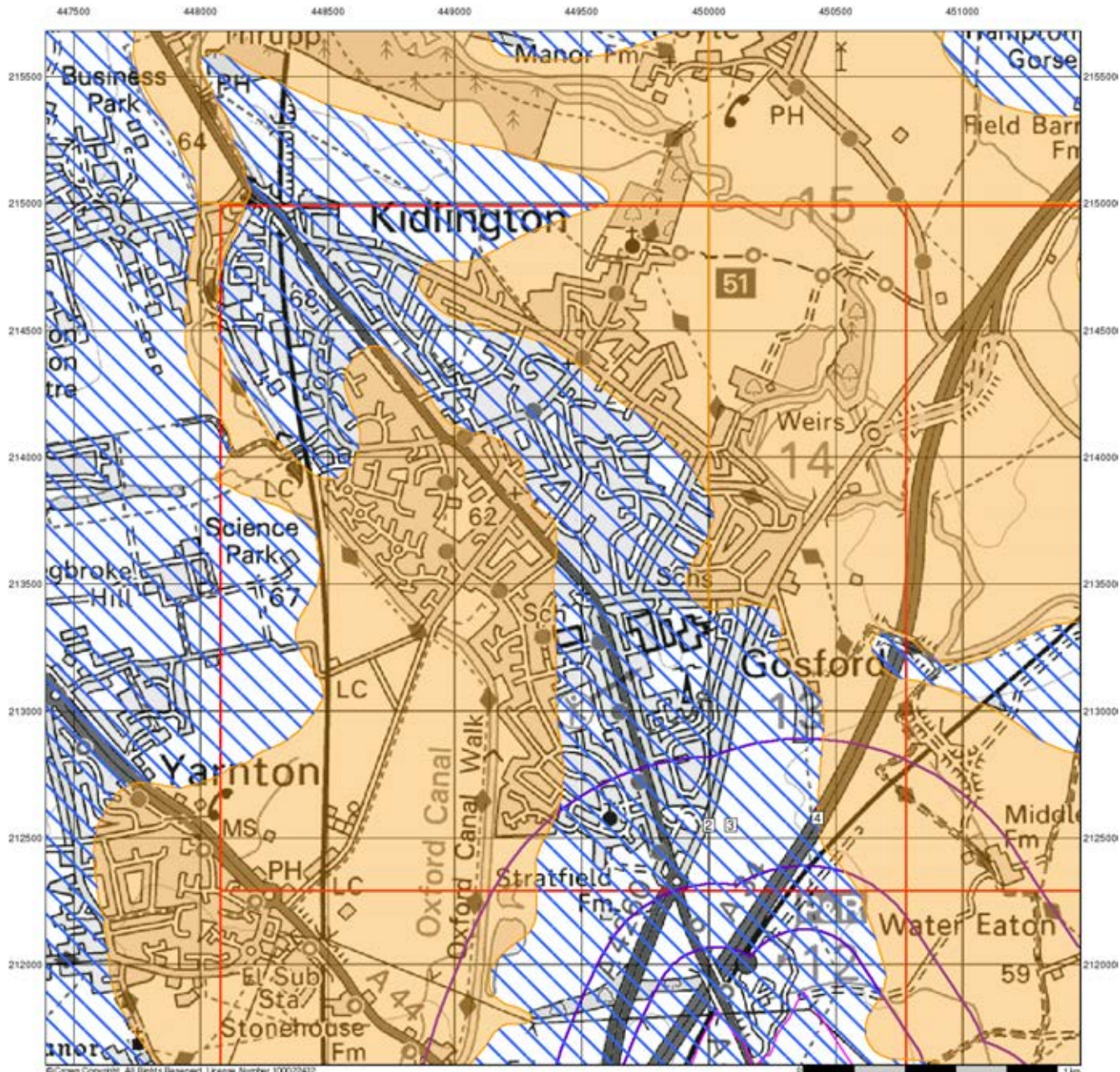
Order Number: 157505927\_1\_1  
 Customer Ref: 8170282/GC/054/2018  
 National Grid Reference: 451340, 210940  
 Slice: B  
 Site Area (Ha): 77.7  
 Search Buffer (m): 1000

### Site Details

Site at 450660, 211190

**Landmark**  
 INFORMATION GROUP

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



© Crown Copyright. All Rights Reserved. License Number 100022432

# Envirocheck<sup>®</sup>

LANDMARK INFORMATION GROUP<sup>®</sup>

## 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

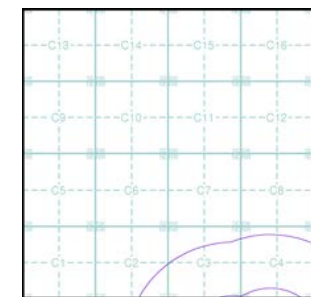
### Potential for Collapsible Ground Stability Hazards

- High
- Low
- Moderate
- Very Low

### Brine Pumping and Salt Mining

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

### Mining and Ground Stability - Slice C



### Order Details

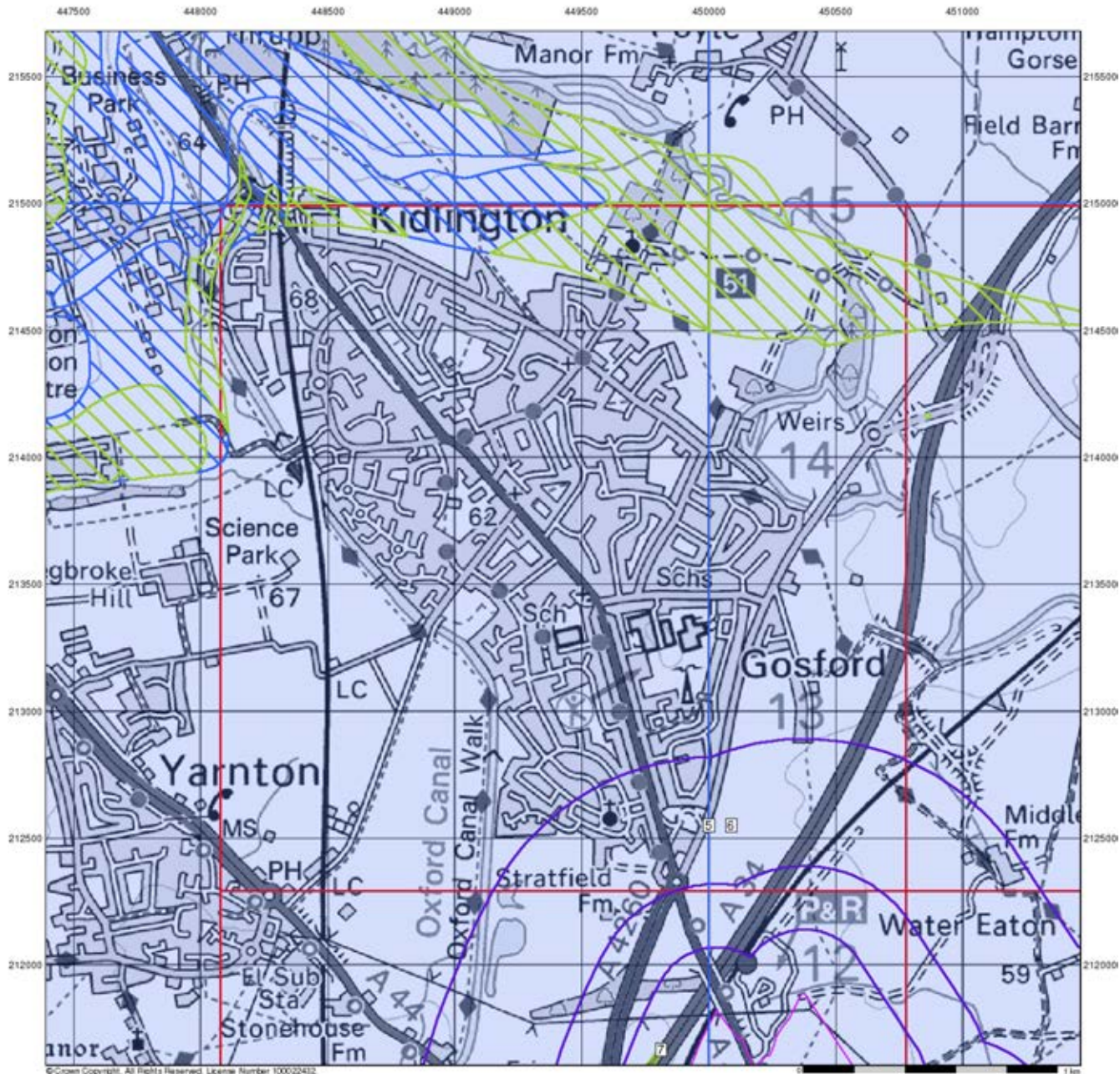
Order Number: 157505927\_1\_1  
 Customer Ref: 8170282/GC/054/2018  
 National Grid Reference: 450090, 212550  
 Slice: C  
 Site Area (Ha): 77.7  
 Search Buffer (m): 1000

### Site Details

Site at 450660, 211190

**Landmark**<sup>®</sup>  
 LANDMARK INFORMATION GROUP

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



© Crown Copyright. All Rights Reserved. License Number 100022432

# Envirocheck®

LANDMARK INFORMATION GROUP®

## Ground Stability Data (1:50,000)

### General

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

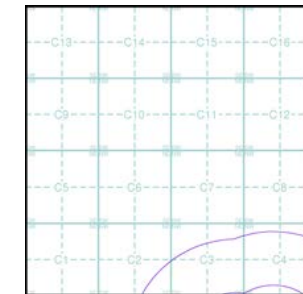
### Potential for Landslide Ground Stability Hazards

- High
- Low
- Moderate
- Very Low

### Potential for Ground Dissolution Stability Hazards

- High
- Low
- Moderate
- Very Low

### Mining and Ground Stability - Slice C



### Order Details

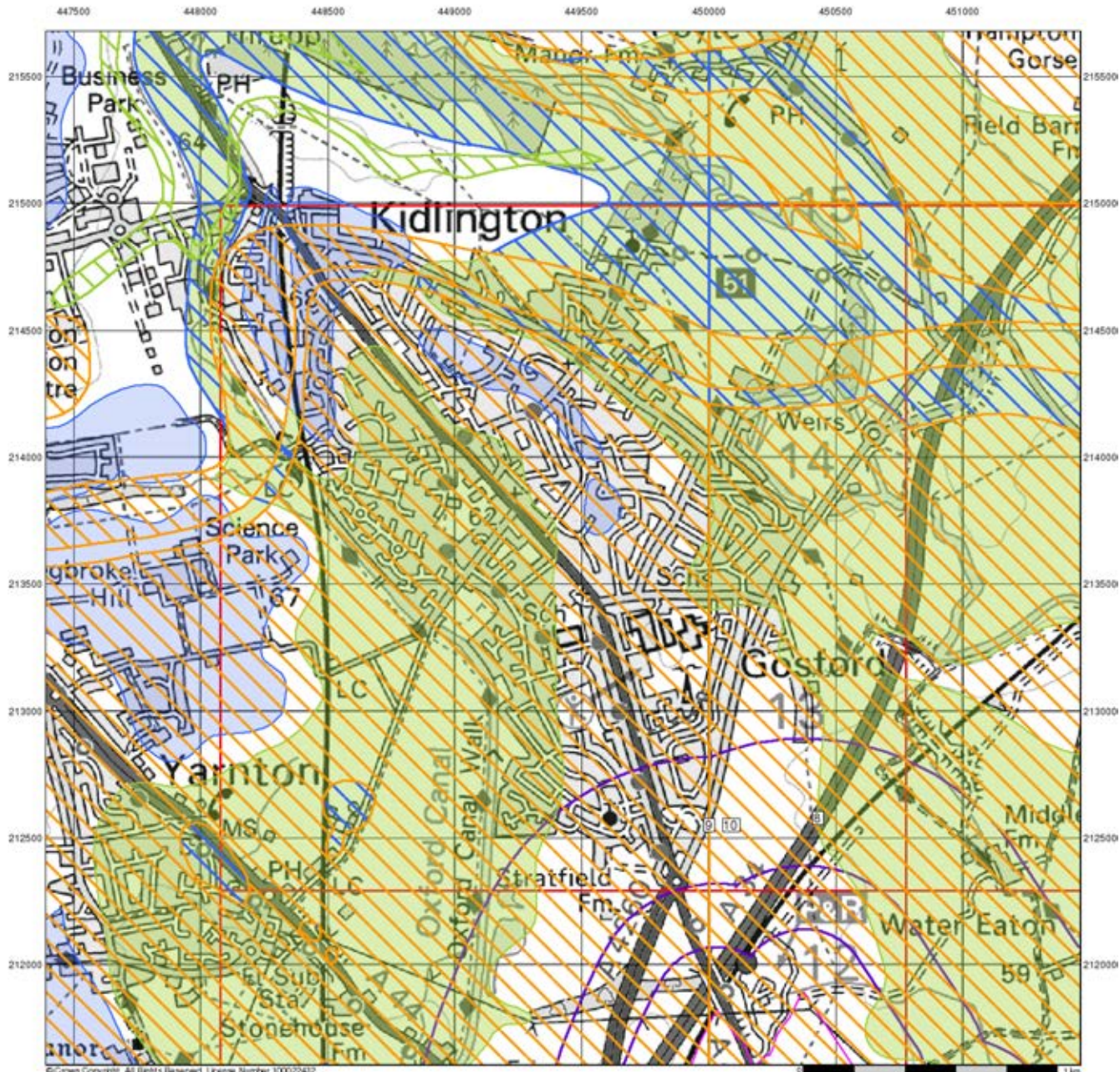
Order Number: 157505927\_1\_1  
 Customer Ref: 8170282/GC/054/2018  
 National Grid Reference: 450090, 212550  
 Slice: C  
 Site Area (Ha): 77.7  
 Search Buffer (m): 1000

### Site Details

Site at 450660, 211190

**Landmark**  
 INFORMATION GROUP

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



© Crown Copyright. All Rights Reserved. License Number: 100022432

# Envirocheck®

LANDMARK INFORMATION GROUP®

## Ground Stability Data (1:50,000)

### General

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

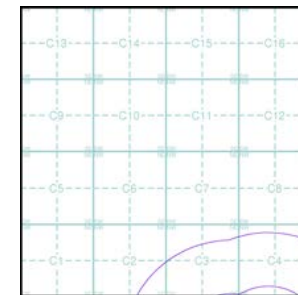
### Potential for Running Sand Ground Stability Hazards

- High
- Low
- Moderate
- Very Low

### Potential for Shrinking or Swelling Clay Ground Stability Hazards

- High
- Low
- Moderate
- Very Low

### Mining and Ground Stability - Slice C



### Order Details

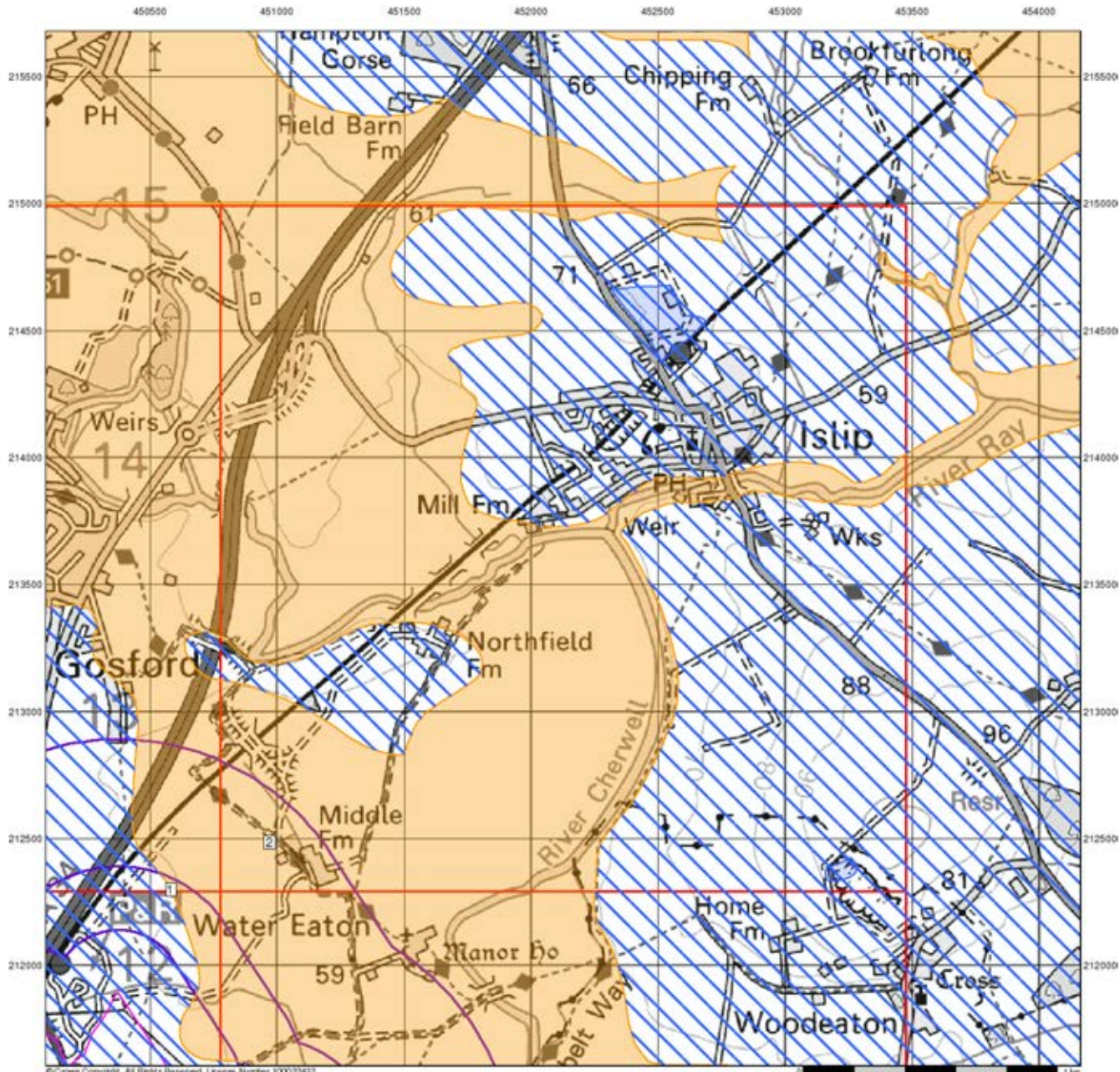
Order Number: 157505927\_1\_1  
 Customer Ref: 8170282/GC/054/2018  
 National Grid Reference: 450090, 212550  
 Slice: C  
 Site Area (Ha): 77.7  
 Search Buffer (m): 1000

### Site Details

Site at 450660, 211190

**Landmark**  
 INFORMATION GROUP

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








© Crown Copyright. All Rights Reserved. License Number 100022432

# Envirocheck<sup>®</sup>





LANDMARK INFORMATION GROUP<sup>®</sup>

## 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

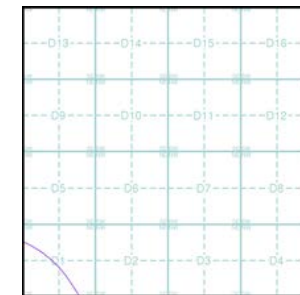
### Potential for Collapsible Ground Stability Hazards

-  High
-  Low
-  Moderate
-  Very Low

### Brine Pumping and Salt Mining

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

### Mining and Ground Stability - Slice D



### Order Details

Order Number: 157505927\_1\_1  
 Customer Ref: 8170282/GC/054/2018  
 National Grid Reference: 450970, 212480  
 Slice: D  
 Site Area (Ha): 77.7  
 Search Buffer (m): 1000

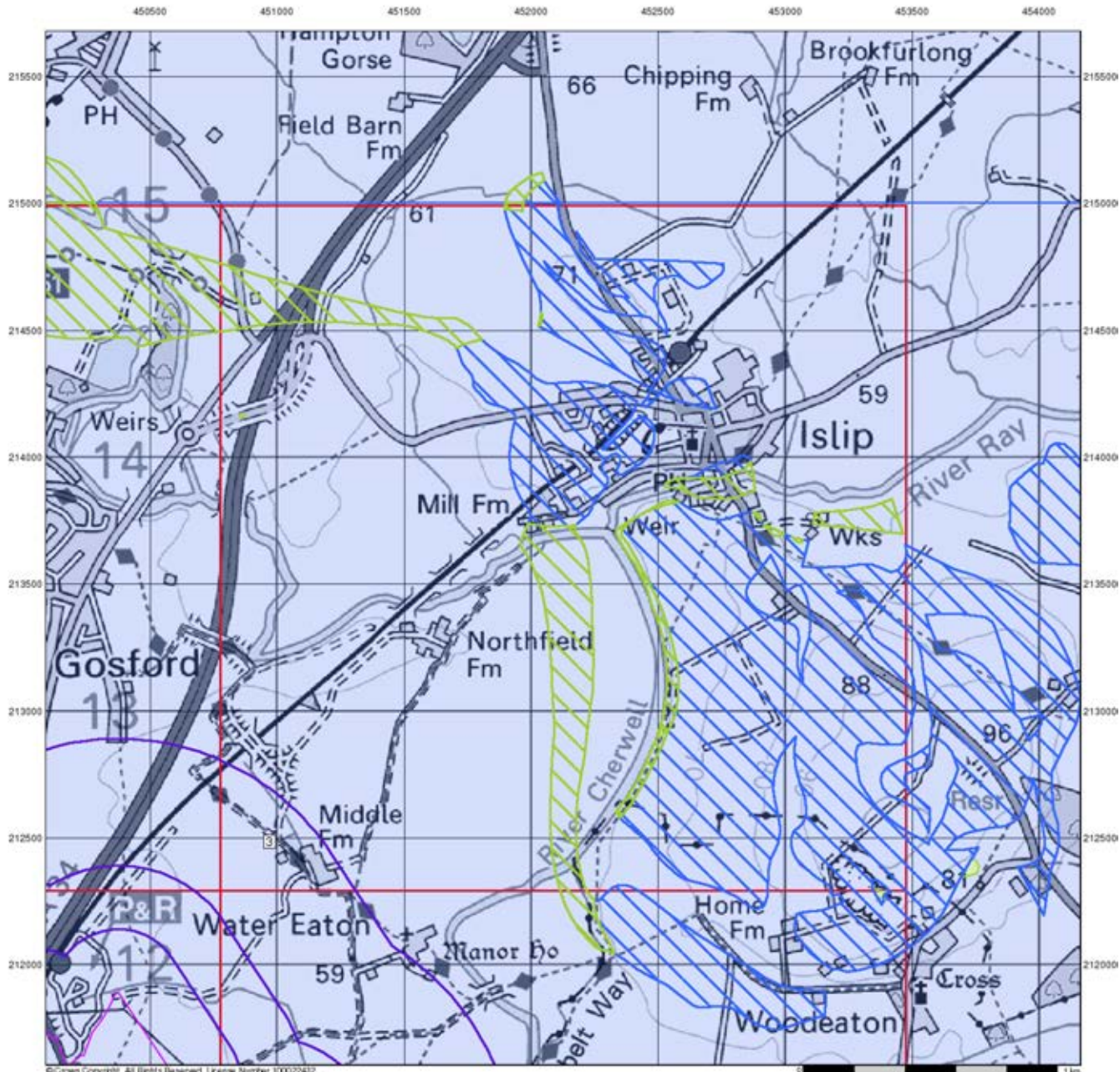
### Site Details

Site at 450660, 211190

**Landmark**  
 INFORMATION GROUP

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










© Crown Copyright. All Rights Reserved. License Number 100022432

# Envirocheck<sup>®</sup>





LANDMARK INFORMATION GROUP<sup>®</sup>

## Ground Stability Data (1:50,000)





### General

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

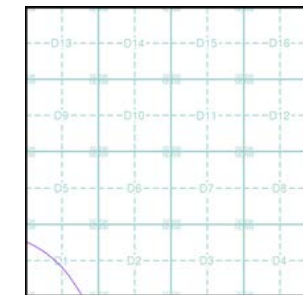
### Potential for Landslide Ground Stability Hazards

-  High
-  Low
-  Moderate
-  Very Low

### Potential for Ground Dissolution Stability Hazards

-  High
-  Low
-  Moderate
-  Very Low

### Mining and Ground Stability - Slice D



### Order Details

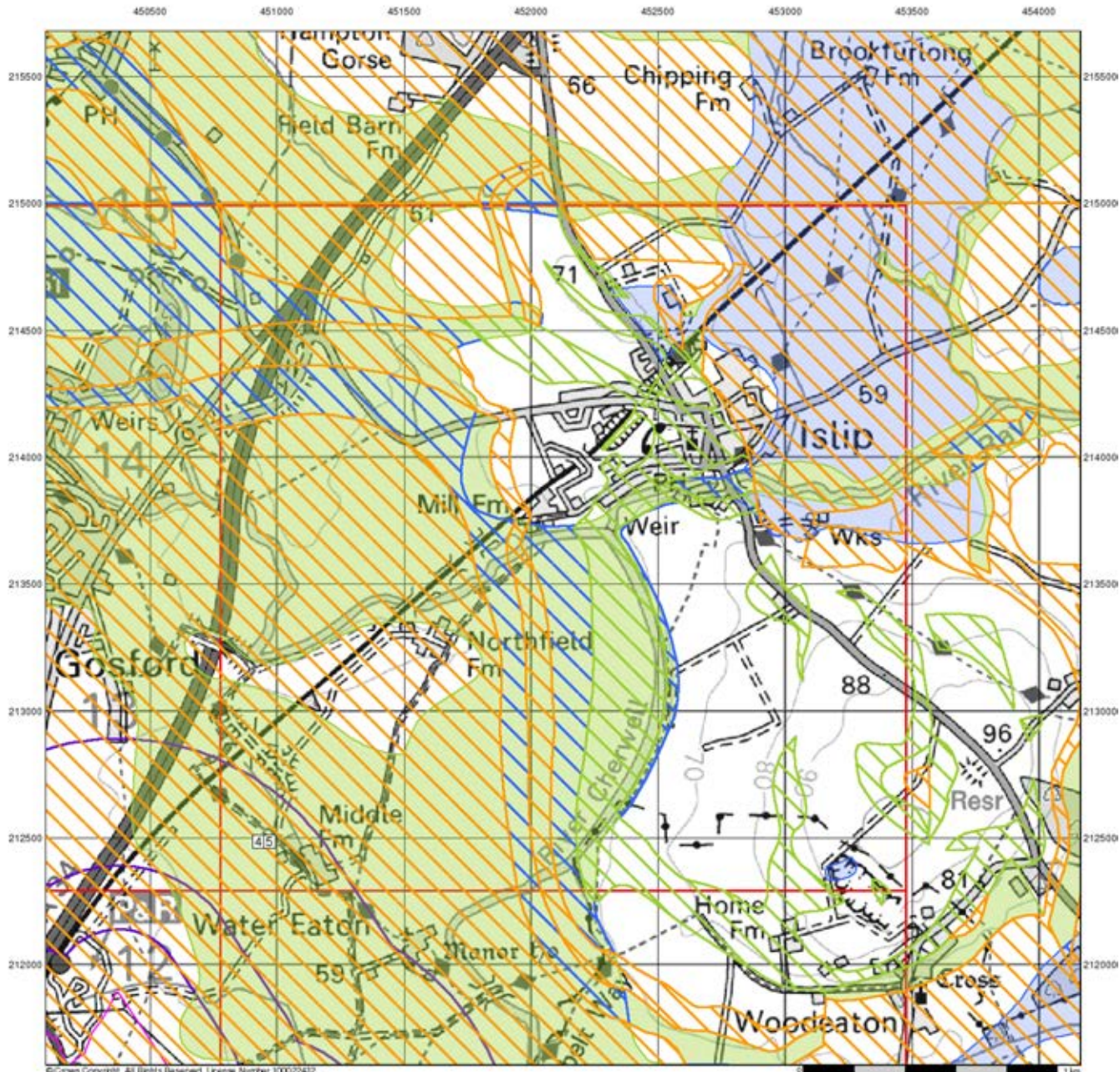
Order Number: 157505927\_1\_1  
 Customer Ref: 8170282/GC/054/2018  
 National Grid Reference: 450970, 212480  
 Slice: D  
 Site Area (Ha): 77.7  
 Search Buffer (m): 1000

### Site Details

Site at 450660, 211190

**Landmark**  
 INFORMATION GROUP

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



© Crown Copyright. All Rights Reserved. License Number 100022432

# Envirocheck®

LANDMARK INFORMATION GROUP®

## Ground Stability Data (1:50,000)

### General

- ◆ Specified Site
- ◊ Specified Buffer(s)
- ✕ Bearing Reference Point
- Slice
- B Map ID

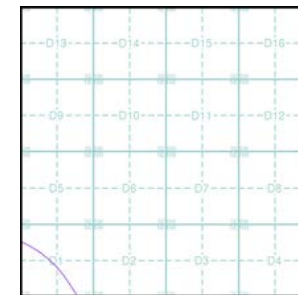
### Potential for Running Sand Ground Stability Hazards

- High
- Low
- Moderate
- Very Low

### Potential for Shrinking or Swelling Clay Ground Stability Hazards

- High
- Low
- Moderate
- Very Low

### Mining and Ground Stability - Slice D



### Order Details

Order Number: 157505927\_1\_1  
 Customer Ref: 8170282/GC/054/2018  
 National Grid Reference: 450970, 212480  
 Slice: D  
 Site Area (Ha): 77.7  
 Search Buffer (m): 1000

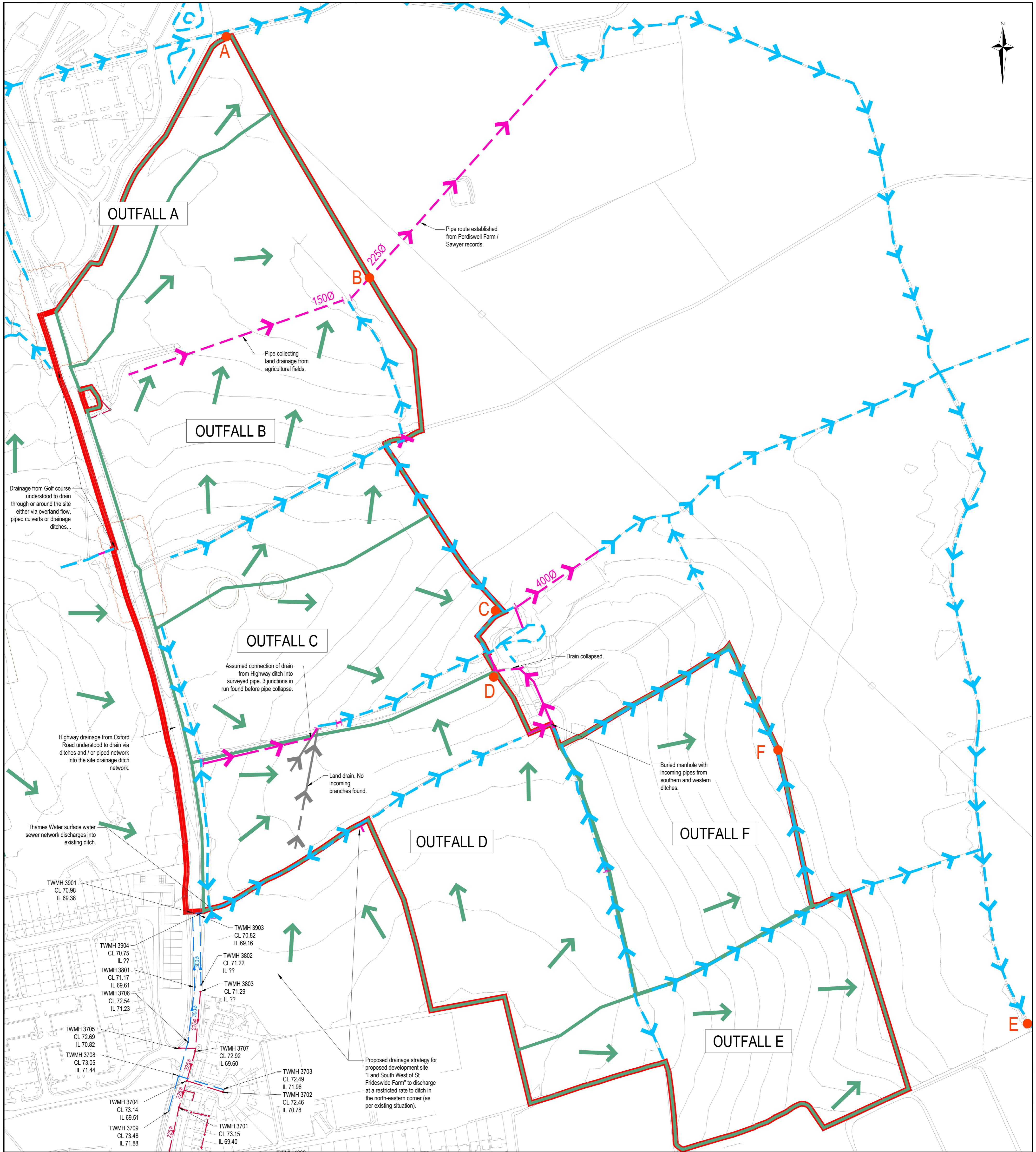
### Site Details

Site at 450660, 211190

**Landmark**  
 INFORMATION GROUP

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

**Appendix N**  
**Existing Drainage Plan**



**NOTES**

- This drawing to be read in conjunction with all other drawings and specifications.
- Dimensions to be scaled for planning purposes only.
- Reproduced from Ordnance Survey digital data with the permission of the Controller of His Majesty's Stationery office Crown Copyright (100022432).
- Topographical survey information taken from Brunel Surveys Ltd drawing number 17932-500-01 Feb 2018. Drainage information from topographical survey, Glanville site visits and investigations 2017 and 2021, Drain Technology CCTV survey 3 August 2021 (Report Ref 6143) and Sawyer drainage records.

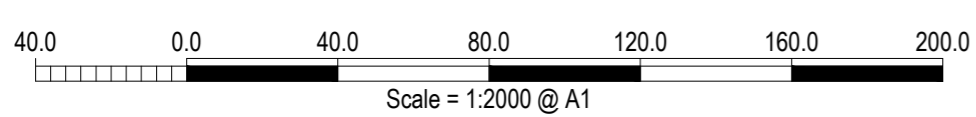
All existing formal drainage routes will be maintained through the development. All ditches carrying off-site flows will be retained as green corridors within the masterplan, and culverted only where necessary, for example under road corridors. Improvements and clearance of existing drainage routes, including ditches and culverts, will be considered where necessary, removing blockages, improving flows and improving direction of flows through the existing drainage system. Consideration will also be given to reinstating existing culverts to open ditches where possible and reasonable.

**KEY**

- Site boundary
- > Existing ditch and direction of flow
- > Pipe route (CCTV surveyed)
- - -> Pipe route (from records / interpolation)
- > Land drain route (CCTV surveyed)
- - -> Land drain route (from records / interpolation)
- - - Thames Water Surface Water Sewer (From Records)
- - - Thames Water Foul Water Sewer (From Records)
- | Headwall
- Catchment boundary
- > General drainage direction within catchment
- Indicative outfall point

**TABLE 1: Catchment Areas**

Outfall Reference	Total Area (ha)
A	2.06
B	13.59
C	6.12
D	10.44
E	6.11
F	6.29
<b>TOTAL</b>	<b>44.61</b>

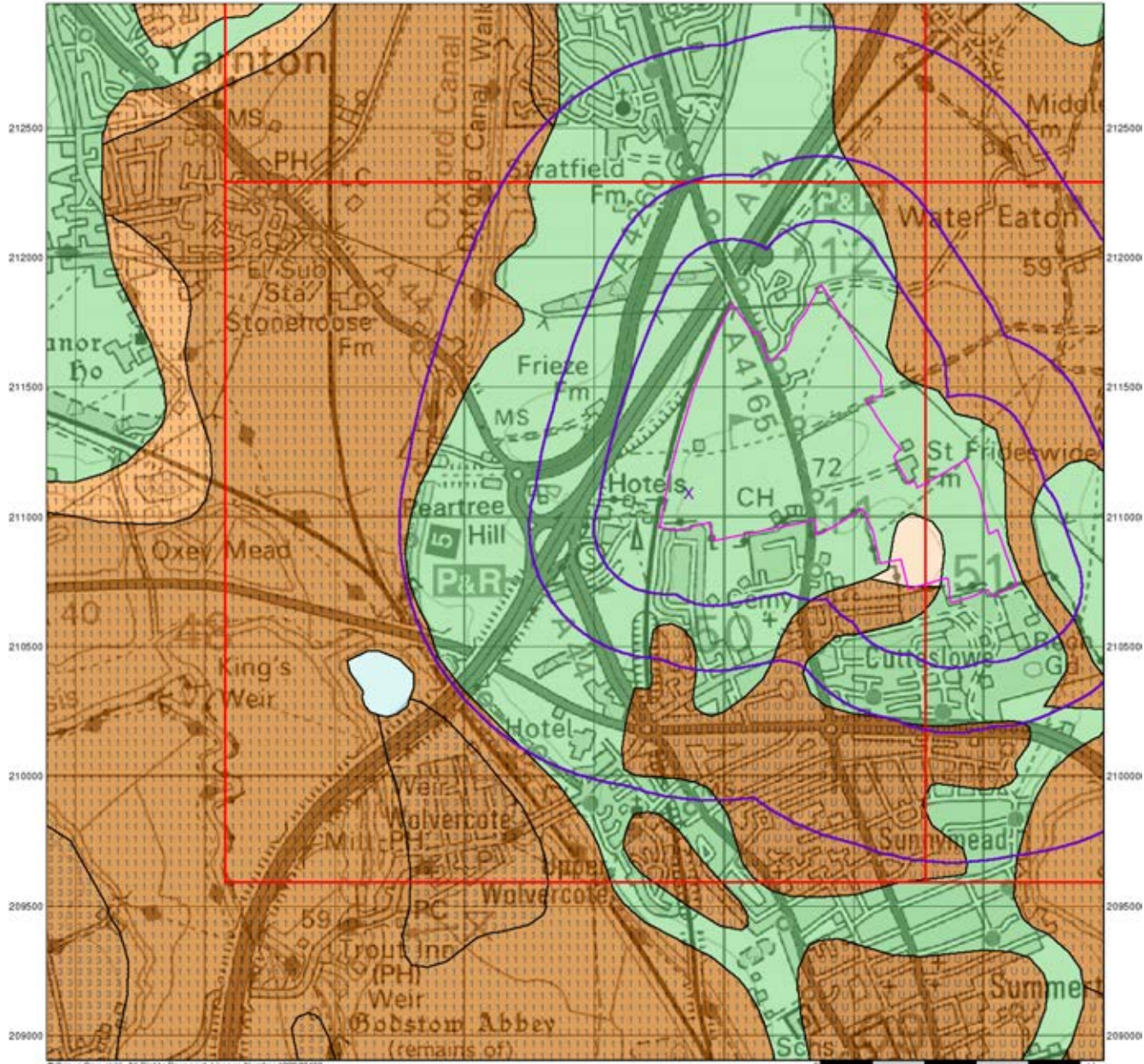


PA1	Issued for Planning Approval	09/02/2023	JH
Rev	Description	Date	Chkd
<p><b>Glanville</b>          Cornerstone House          62 Foxhall Road, Didcot          Oxon, OX11 7AD          Tel: (01235) 515550 Fax: (01235) 817799          postbox@glanvillegroup.com www.glanvillegroup.com</p>			
Client:	Bellway Homes Limited and Christ Church, Oxford		
Project:	Water Eaton (Site PR6a) Land East of Oxford Road		
Title:	Existing Drainage Plan		
Project Engineer:	C. Salt	Scale:	1:2000 @A1
Project Director:	J. Hanlon	Date:	December 2022
Status:	PLANNING APPROVAL		
Drawing No.	8210440-1102	Rev	PA1

## **Appendix O**

### **Site Sensitivity Context Maps (Groundwater etc.)**

447500 448000 448500 449000 449500 450000 450500 451000



© Crown Copyright. All Rights Reserved. License Number 100022432

## Groundwater Vulnerability

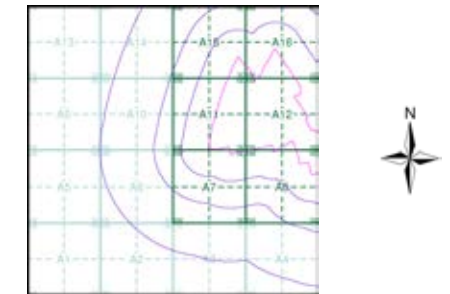
### General

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

### Agency and Hydrological

Geological Classes		Soil Classes	
<b>Major Aquifer (Highly Permeable)</b>		High (H) 1, 2, 3, U	
		Intermediate (I) 1, 2	
		Low	
<b>Minor Aquifer (Variably Permeable)</b>		High (H) 1, 2, 3, U	
		Intermediate (I) 1, 2	
		Low	
<b>Non Aquifer (Negligibly Permeable)</b>			
<b>Water or Sea</b>			
<b>Drift Deposit</b>			

### Site Sensitivity Context Map - Slice A

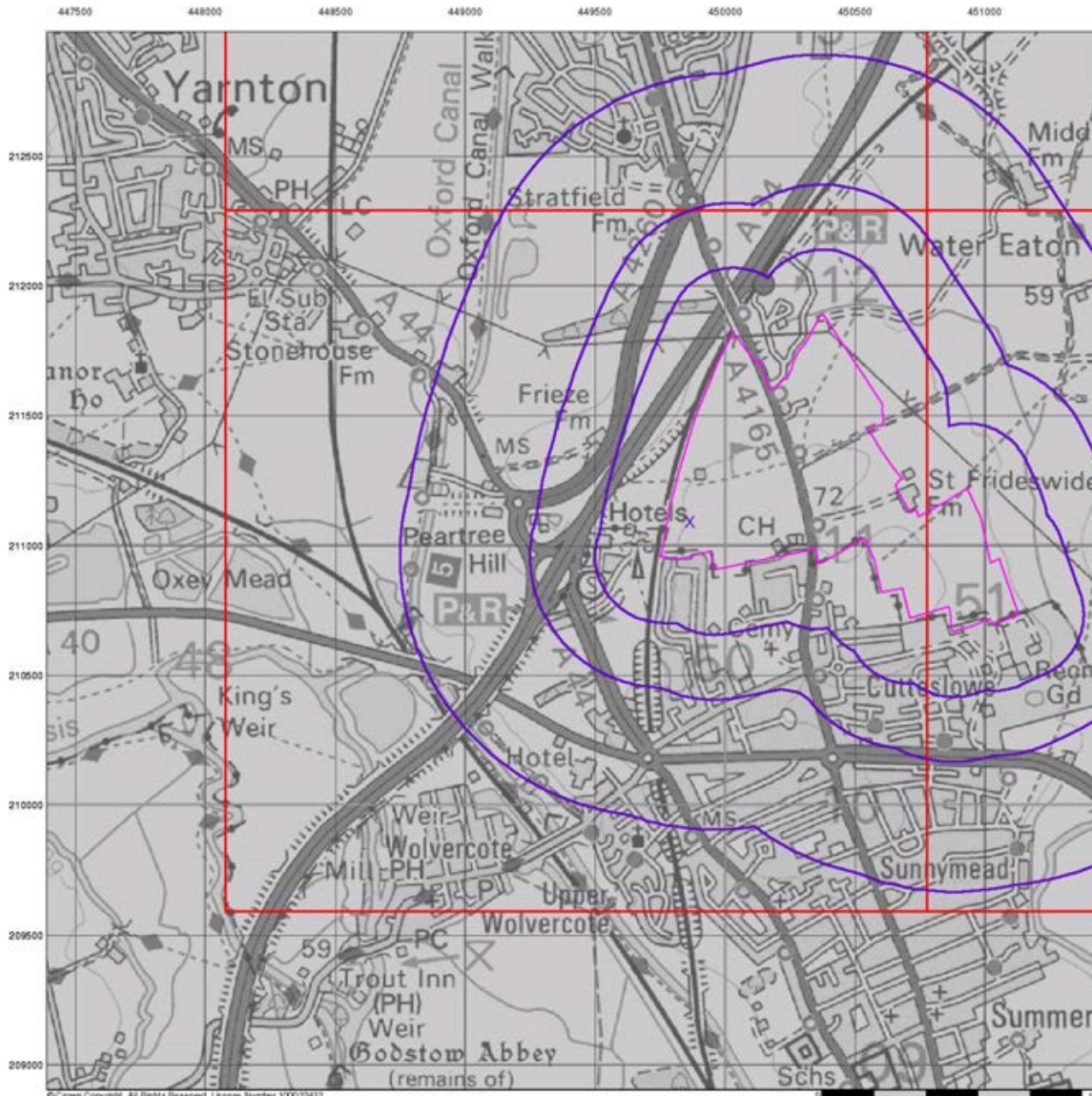


### Order Details

Order Number: 157505927\_1\_1  
 Customer Ref: 8170282/GC/054/2018  
 National Grid Reference: 449860, 211090  
 Slice: A  
 Site Area (Ha): 77.7  
 Search Buffer (m): 1000

### Site Details

Site at 450660, 211190



© Crown Copyright. All Rights Reserved. License Number 100022432

## Bedrock Aquifer Designation

### General

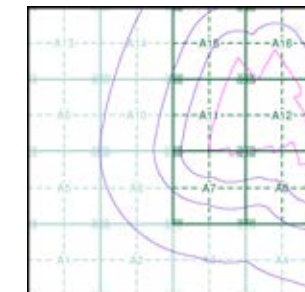
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

### Agency and Hydrological

#### Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown
- Unknown (Lakes and Landslip)

### Site Sensitivity Context Map - Slice A

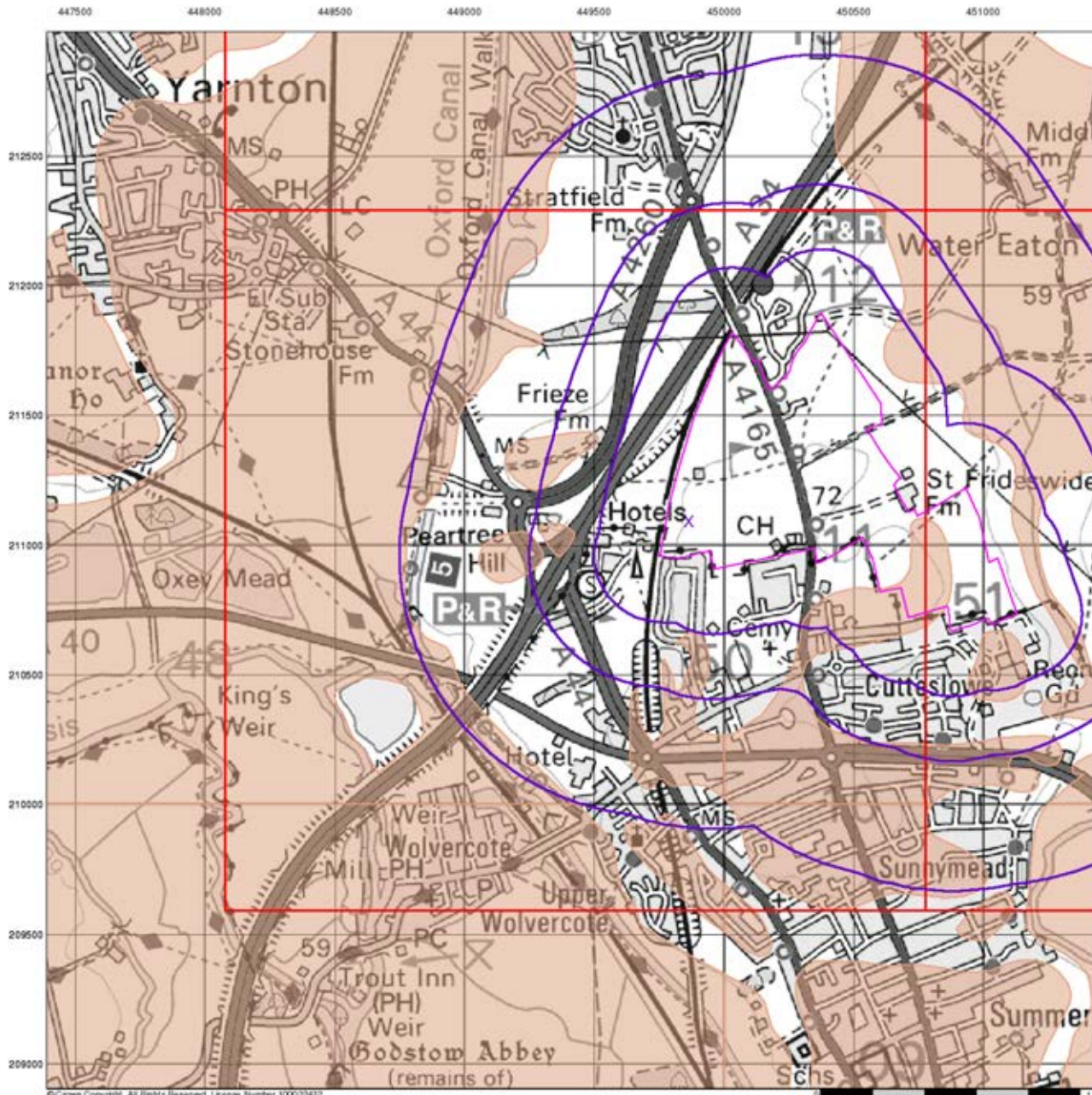


### Order Details

Order Number: 157505927\_1\_1  
 Customer Ref: 8170282/GC/054/2018  
 National Grid Reference: 449860, 211090  
 Slice: A  
 Site Area (Ha): 77.7  
 Search Buffer (m): 1000

### Site Details

Site at 450660, 211190



© Crown Copyright. All Rights Reserved. License Number 100022432

# Envirocheck®

LANDMARK INFORMATION GROUP®

## Superficial Aquifer Designation

### General

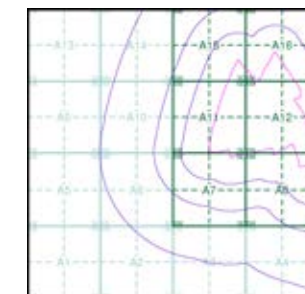
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

### Agency and Hydrological

#### Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown
- Unknown (Lakes and Landslip)

### Site Sensitivity Context Map - Slice A



### Order Details

Order Number: 157505927\_1\_1  
 Customer Ref: 8170282/GC/054/2018  
 National Grid Reference: 449860, 211090  
 Slice: A  
 Site Area (Ha): 77.7  
 Search Buffer (m): 1000

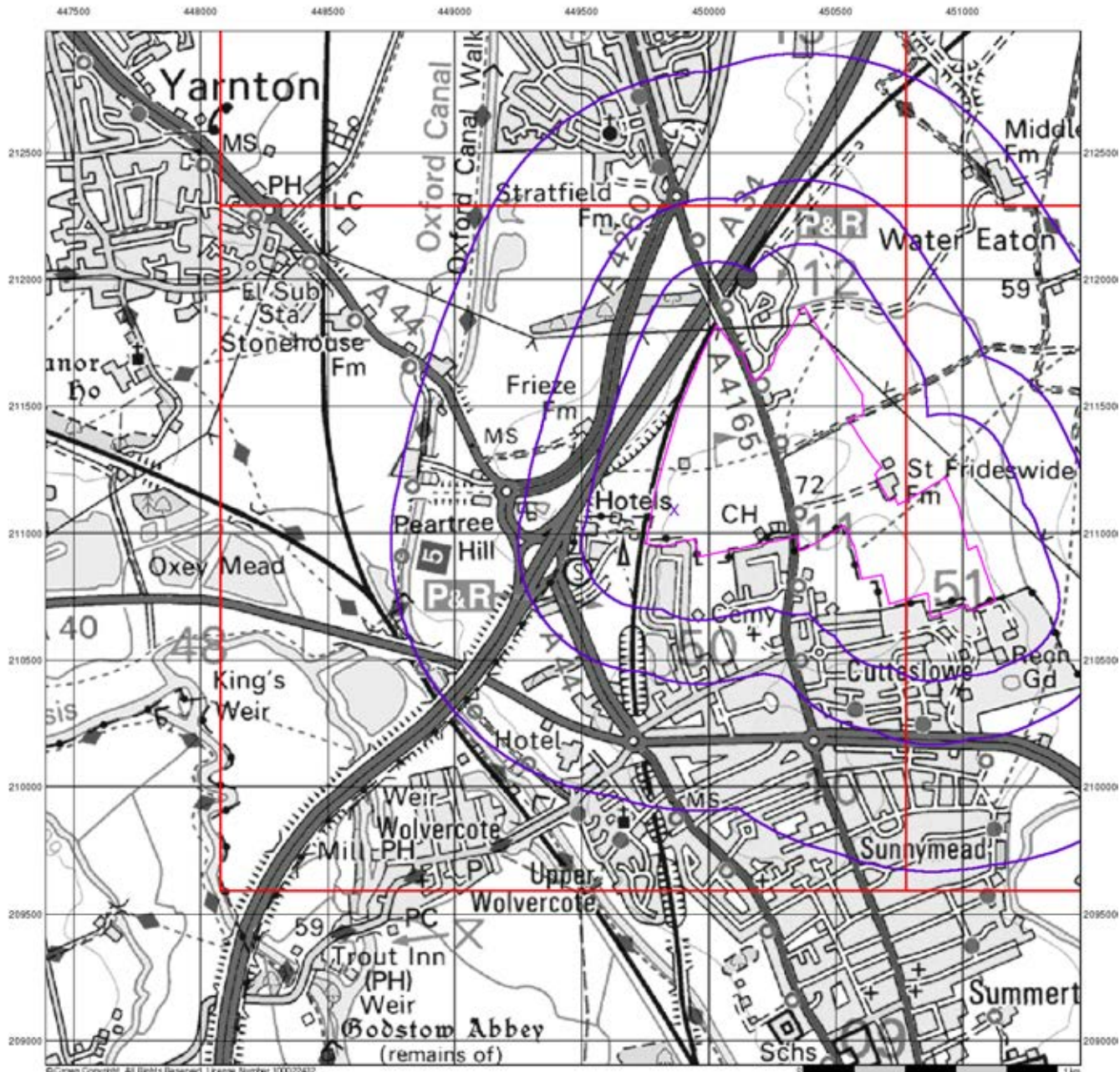
### Site Details

Site at 450660, 211190

**Landmark**  
 INFORMATION GROUP

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





© Crown Copyright. All Rights Reserved. License Number: 100022432

## Source Protection Zones

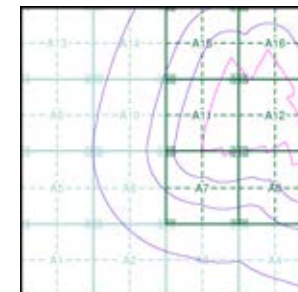
### General

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

### Agency and Hydrological

- Inner zone (Zone 1)
- Inner zone - subsurface activity only (Zone 1c)
- Outer zone (Zone 2)
- Outer zone - subsurface activity only (Zone 2c)
- Total catchment (Zone 3)
- Total catchment - subsurface activity only (Zone 3c)
- Special interest (Zone 4)
- Source Protection Zone Borehole

### Site Sensitivity Context Map - Slice A



### Order Details

Order Number: 157505927\_1\_1  
 Customer Ref: 8170282/GC/054/2018  
 National Grid Reference: 449860, 211090  
 Slice: A  
 Site Area (Ha): 77.7  
 Search Buffer (m): 1000

### Site Details

Site at 450660, 211190

447500 448000 448500 449000 449500 450000 450500 451000



© Crown Copyright. All Rights Reserved. License Number: 10002432

## Sensitive Land Uses

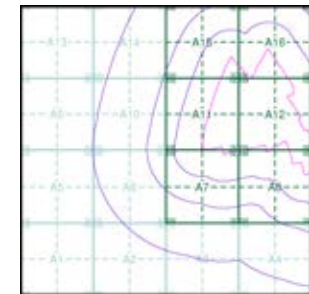
### General

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

### Sensitive Land Uses

- Ancient Woodland
- Area of Adopted Green Belt
- Area of Unadopted Green Belt
- Area of Outstanding Natural Beauty
- Environmentally Sensitive Area
- Forest Park
- Local Nature Reserve
- Marine Nature Reserve
- National Nature Reserve
- National Park
- Nitrate Sensitive Area
- Nitrate Vulnerable Zone
- Ramsar Site
- Site of Special Scientific Interest
- Special Area of Conservation
- Special Protection Area
- World Heritage Sites

### Site Sensitivity Context Map - Slice A

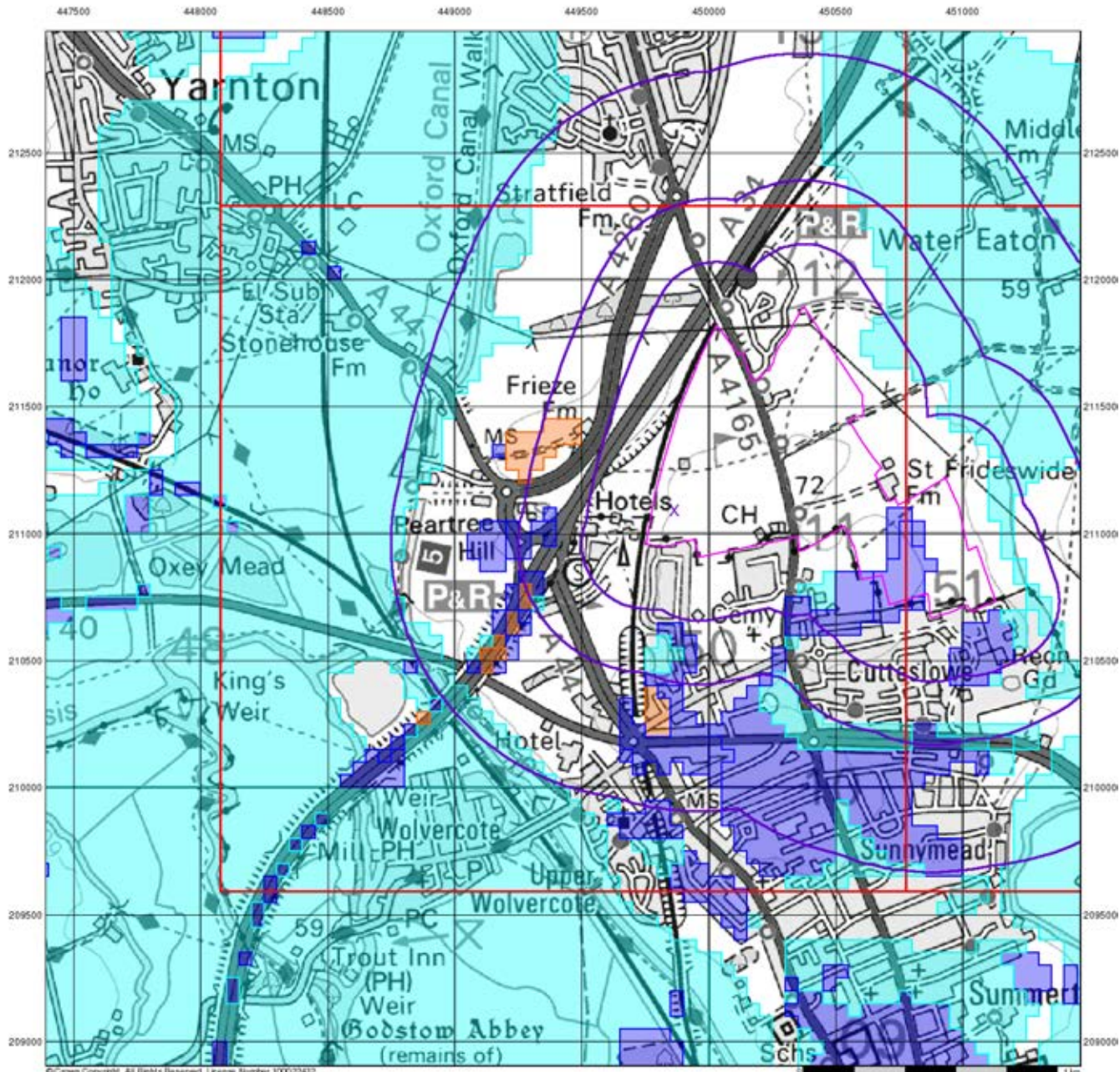


### Order Details

Order Number: 157505927\_1\_1  
 Customer Ref: 8170282/GC/054/2018  
 National Grid Reference: 449860, 211090  
 Slice: A  
 Site Area (Ha): 77.7  
 Search Buffer (m): 1000

### Site Details

Site at 450660, 211190



© Crown Copyright. All Rights Reserved. License Number 100022432

# Envirocheck<sup>®</sup>

LANDMARK INFORMATION GROUP<sup>®</sup>

## BGS Flood GFS Data

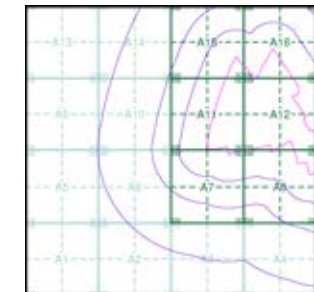
### General

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

### Agency and Hydrological (Flood)

- Limited Potential for Groundwater Flooding to Occur
- Potential for Groundwater Flooding of Property Situated Below Ground Level
- Potential for Groundwater Flooding to Occur at Surface

## Site Sensitivity Context Map - Slice A



## Order Details

Order Number: 157505927\_1\_1  
 Customer Ref: 8170282/GC/054/2018  
 National Grid Reference: 449860, 211090  
 Slice: A  
 Site Area (Ha): 77.7  
 Search Buffer (m): 1000

## Site Details

Site at 450660, 211190

**Landmark**  
 INFORMATION GROUP

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



Cornerstone House, 62 Foxhall Road  
Didcot, Oxfordshire OX11 7AD

01235 515550  
postbox@glanvillegroup.com  
www.glanvillegroup.com

- Structural Engineering
- Transport and Highways
- Civil Engineering
- Geomatics
- Building Surveying