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Envirocheck®

LANDMARK INFORMATION GROUP®

Source Protection Zones

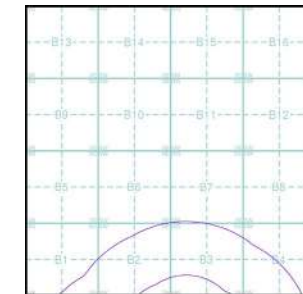
General

- 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)

Site Sensitivity Context Map - Slice B



Order Details

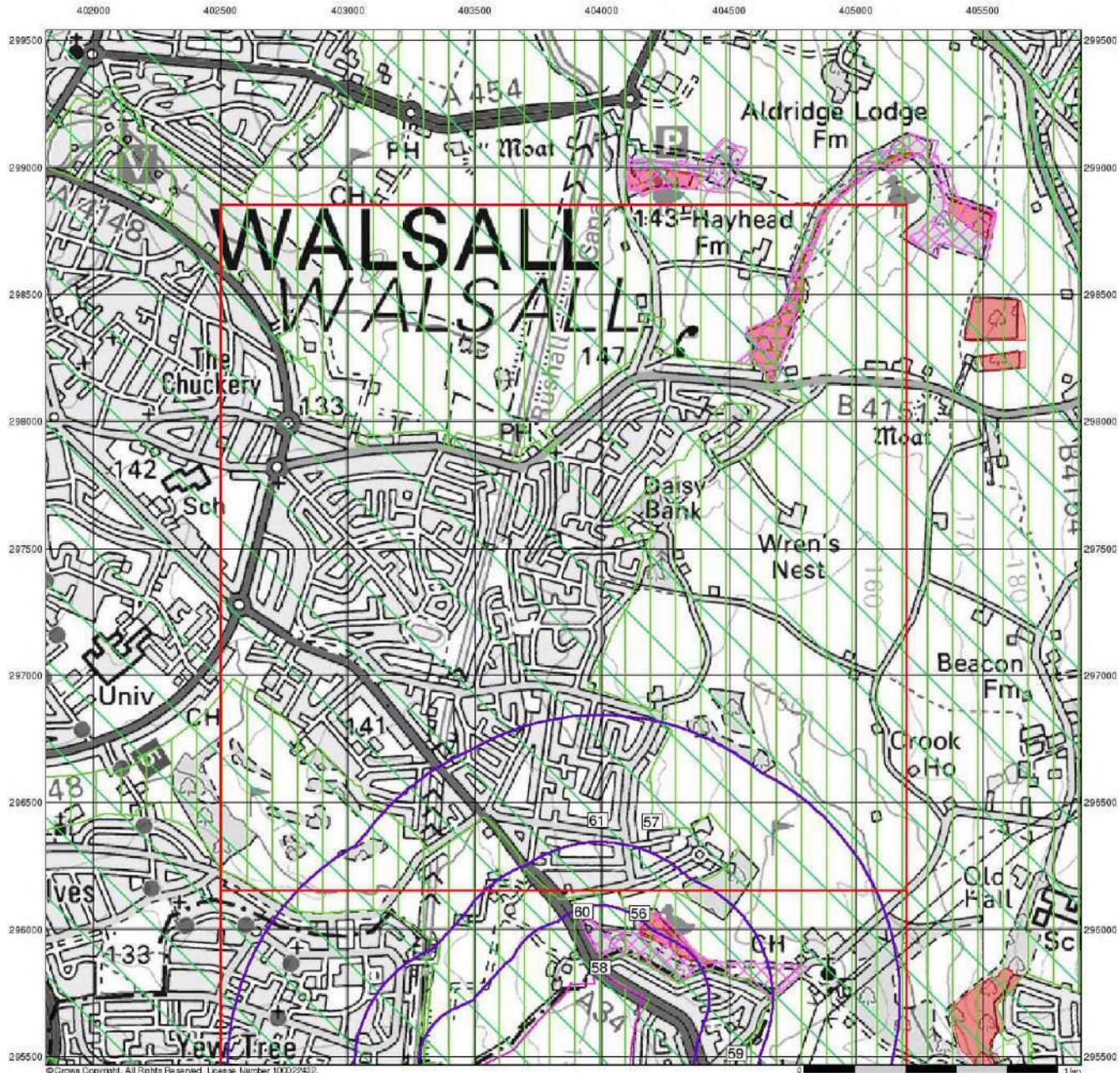
Order Number: 314750106_1_1
 Customer Ref: POP013976
 National Grid Reference: 403980, 296430
 Slice: B
 Site Area (Ha): 27.06
 Search Buffer (m): 1000

Site Details

63 Peak House Road, BIRMINGHAM, B43 7RY

Landmark
 INFORMATION GROUP

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








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Sensitive Land Uses

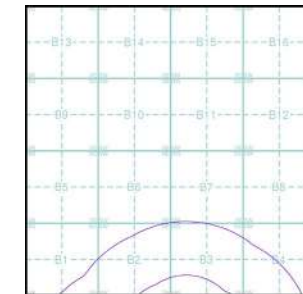
General

-  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 B



Order Details

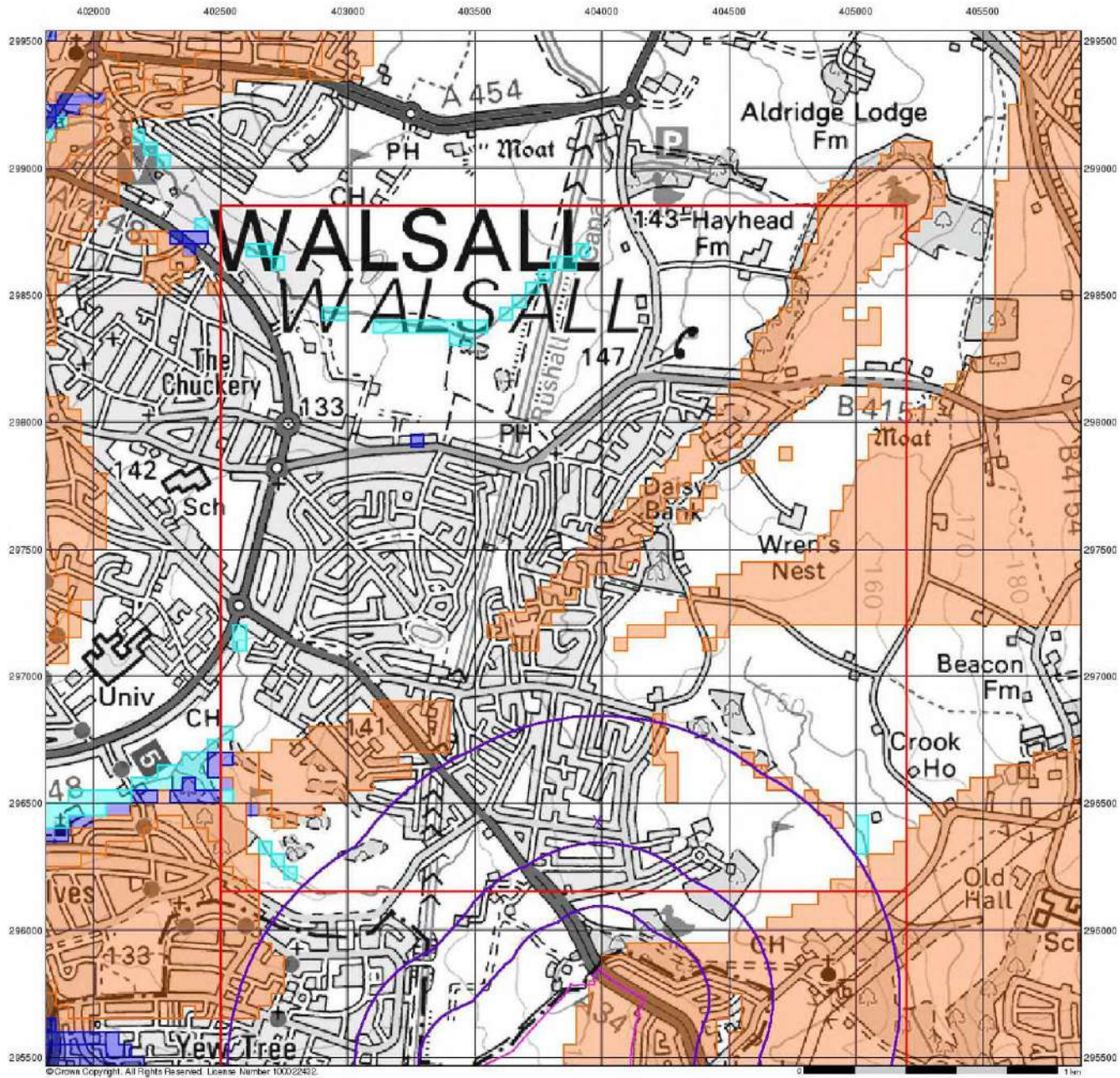
Order Number: 314750106_1_1
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 National Grid Reference: 403980, 296430
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BGS Flood GFS Data

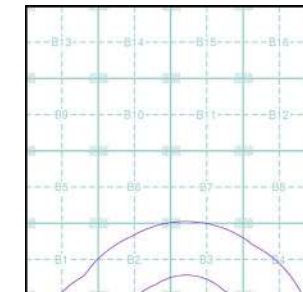
General

- 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 B



Order Details

Order Number: 314750106_1_1
 Customer Ref: POP013976
 National Grid Reference: 403980, 296430
 Slice: B
 Site Area (Ha): 27.06
 Search Buffer (m): 1000

Site Details

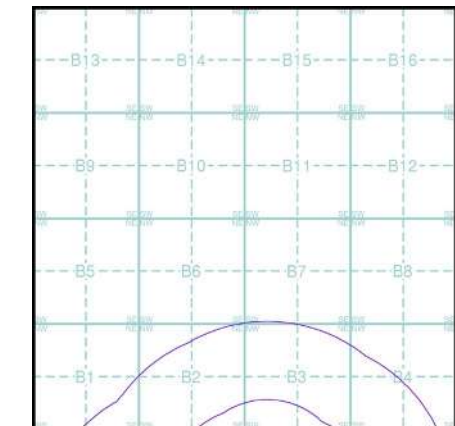
63 Peak House Road, BIRMINGHAM, B43 7RY

Landmark
 INFORMATION GROUP

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

- General**
- Specified Site
 - Specified Buffer(s)
 - Bearing Reference Point
 - Map ID
 - Several of Type at Location
- Agency and Hydrological**
- Contaminated Land Register Entry or Notice (Location)
 - Contaminated Land Register Entry or Notice
 - Discharge Consent
 - Enforcement or Prohibition Notice
 - Integrated Pollution Control
 - Integrated Pollution Prevention Control
 - Local Authority Integrated Pollution Prevention and Control
 - Local Authority Pollution Prevention and Control
 - Local Authority Pollution Prevention and Control Enforcement
 - Pollution Incident to Controlled Waters
 - Prosecution Relating to Authorised Processes
 - Prosecution Relating to Controlled Waters
 - Registered Radioactive Substance
 - River Network or Water Feature
 - River Quality Sampling Point
 - Substantiated Pollution Incident Register
 - Water Abstraction
 - Water Industry Act Referral
- Hazardous Substances**
- COMAH Site
 - Explosive Site
 - NIHHS Site
 - Planning Hazardous Substance Consent
 - Planning Hazardous Substance Enforcement
 - BGS Recorded Mineral Site
- Waste**
- BGS Recorded Landfill Site (Location)
 - BGS Recorded Landfill Site
 - EA Historic Landfill (Buffered Point)
 - EA Historic Landfill (Polygon)
 - Integrated Pollution Control Registered Waste Site
 - Licensed Waste Management Facility (Landfill Boundary)
 - Licensed Waste Management Facility (Location)
 - Local Authority Recorded Landfill Site (Location)
 - Local Authority Recorded Landfill Site
 - Potentially Infilled Land (Non-water)
 - Potentially Infilled Land (Non-water)
 - Potentially Infilled Land (Non-water)
 - Potentially Infilled Land (Water)
 - Potentially Infilled Land (Water)
 - Potentially Infilled Land (Water)
 - Potentially Infilled Land (Water)
 - Registered Landfill Site
 - Registered Landfill Site (Location)
 - Registered Landfill Site (Point Buffered to 100m)
 - Registered Landfill Site (Point Buffered to 250m)
 - Registered Waste Transfer Site (Location)
 - Registered Waste Transfer Site
 - Registered Waste Treatment or Disposal Site (Location)
 - Registered Waste Treatment or Disposal Site

Site Sensitivity Map - Slice B



Order Details

Order Number: 314750106_1_1
 Customer Ref: POP013976
 National Grid Reference: 403980, 296430
 Slice: B
 Site Area (Ha): 27.06
 Search Buffer (m): 1000

Site Details

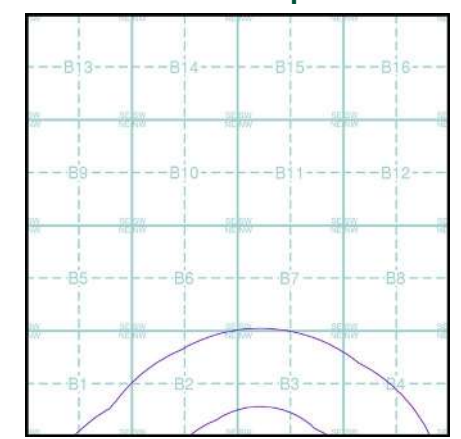
63 Peak House Road, BIRMINGHAM, B43 7RY



Industrial Land Use Map

- General**
- Specified Site
 - Specified Buffer(s)
 - Bearing Reference Point
 - Slice
 - Map ID
- Industrial Land Use**
- Contemporary Trade Directory Entry
 - Fuel Station Entry
 - Gas Pipeline
 - Points of Interest - Commercial Services
 - Points of Interest - Education and Health
 - Points of Interest - Manufacturing and Production
 - Points of Interest - Public Infrastructure
 - Points of Interest - Recreational and Environmental
 - Underground Electrical Cables

Industrial Land Use Map - Slice B






Order Details

Order Number: 314750106_1_1
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 National Grid Reference: 403980, 296430
 Slice: B
 Site Area (Ha): 27.06
 Search Buffer (m): 1000






Site Details

63 Peak House Road, BIRMINGHAM, B43 7RY

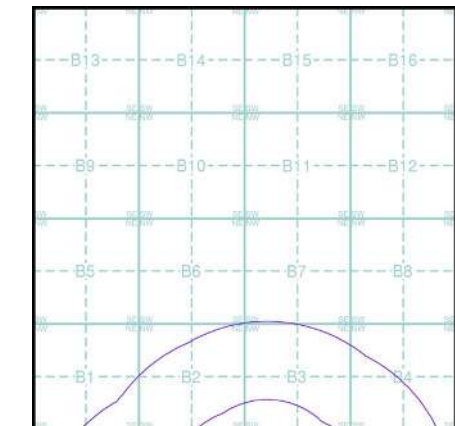
General

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

Agency and Hydrological (Flood)

-  Extreme Flooding from Rivers or Sea without Defences (Zone 2)
-  Flooding from Rivers or Sea without Defences (Zone 3)
-  Area Benefiting from Flood Defence
-  Flood Water Storage Areas
-  Flood Defence

Flood Map - Slice B



Order Details

Order Number: 314750106_1_1
 Customer Ref: POP013976
 National Grid Reference: 403980, 296430
 Slice: B
 Site Area (Ha): 27.06
 Search Buffer (m): 1000

Site Details

63 Peak House Road, BIRMINGHAM, B43 7RY



General

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

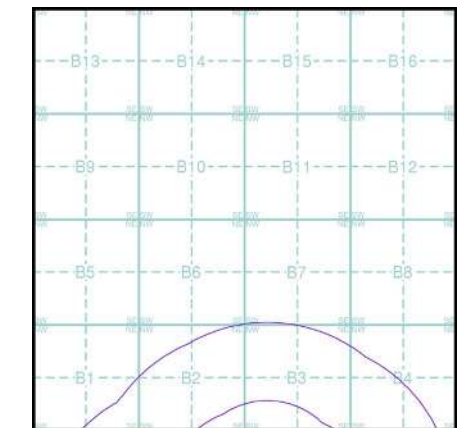
Agency and Hydrological (Boreholes)

- BGS Borehole Depth 0 - 10m
- BGS Borehole Depth 10 - 30m
- BGS Borehole Depth 30m +
- Confidential
- Other

For Borehole information please refer to the Borehole .csv file which accompanied this slice.

A copy of the BGS Borehole Ordering Form is available to download from the Support section of www.envirocheck.co.uk.

Borehole Map - Slice B



Order Details

Order Number: 314750106_1_1
 Customer Ref: POP013976
 National Grid Reference: 403980, 296430
 Slice: B
 Site Area (Ha): 27.06
 Search Buffer (m): 1000

Site Details

63 Peak House Road, BIRMINGHAM, B43 7RY



General

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

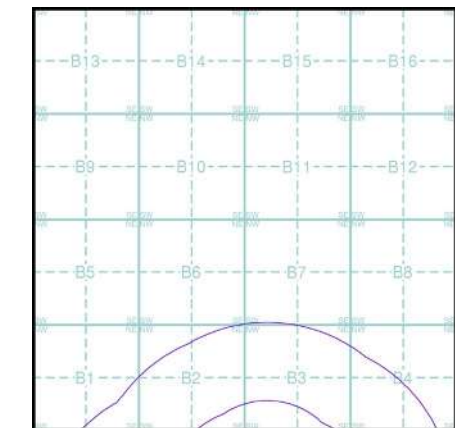
OS Water Network Data

- | | | | |
|--|--------------|--|-------------------------|
| | Canal | | Drain |
| | Reservoir | | Other |
| | Foreshore | | Lake |
| | Marsh | | Transfer |
| | Tidal River | | Lock Or Flight Of Locks |
| | Inland River | | Sea |

Contours (height in meters)

- Standard Contour 105 100 95
- Master Contour
- Spot Height *167.3
- Mean Low Water
- Mean High Water

OS Water Network Map - Slice B



Order Details




Order Number: 314750106_1_1
 Customer Ref: POP013976
 National Grid Reference: 403980, 296430
 Slice: B
 Site Area (Ha): 27.06
 Search Buffer (m): 1000

Site Details

63 Peak House Road, BIRMINGHAM, B43 7RY



General

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

Risk of Flooding from Surface Water

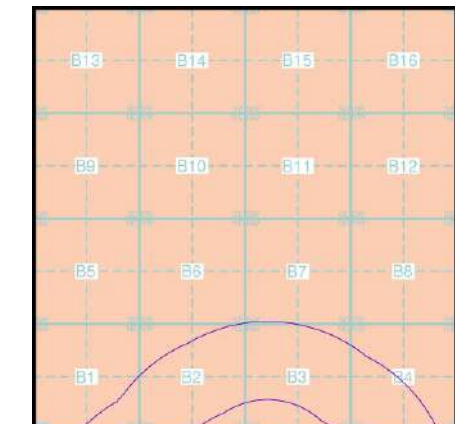
-  High - 30 Year Return
-  Medium - 100 Year Return
-  Low - 1000 Year Return

Suitability

See the suitability map below

-  National to county
-  County to town
-  Town to street
-  Street to parcels of land
-  Property

EA/NRW Suitability Map - Slice B



Order Details

Order Number: 314750106_1_1
 Customer Ref: POP013976
 National Grid Reference: 403980, 296430
 Slice: B
 Site Area (Ha): 27.06
 Search Buffer (m): 1000

Site Details

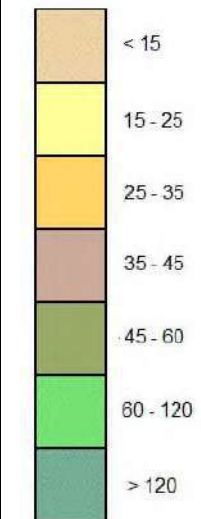
63 Peak House Road, BIRMINGHAM, B43 7RY

General

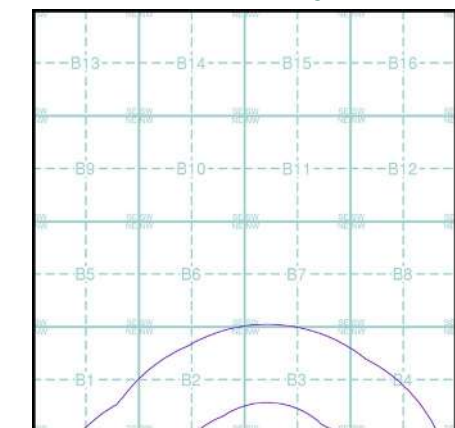
X Specified Site
 ○ Specified Buffer(s)
 X Bearing Reference Point

Estimated Soil Chemistry Arsenic

Arsenic Concentrations mg/kg



Estimated Soil Chemistry Arsenic - Slice B

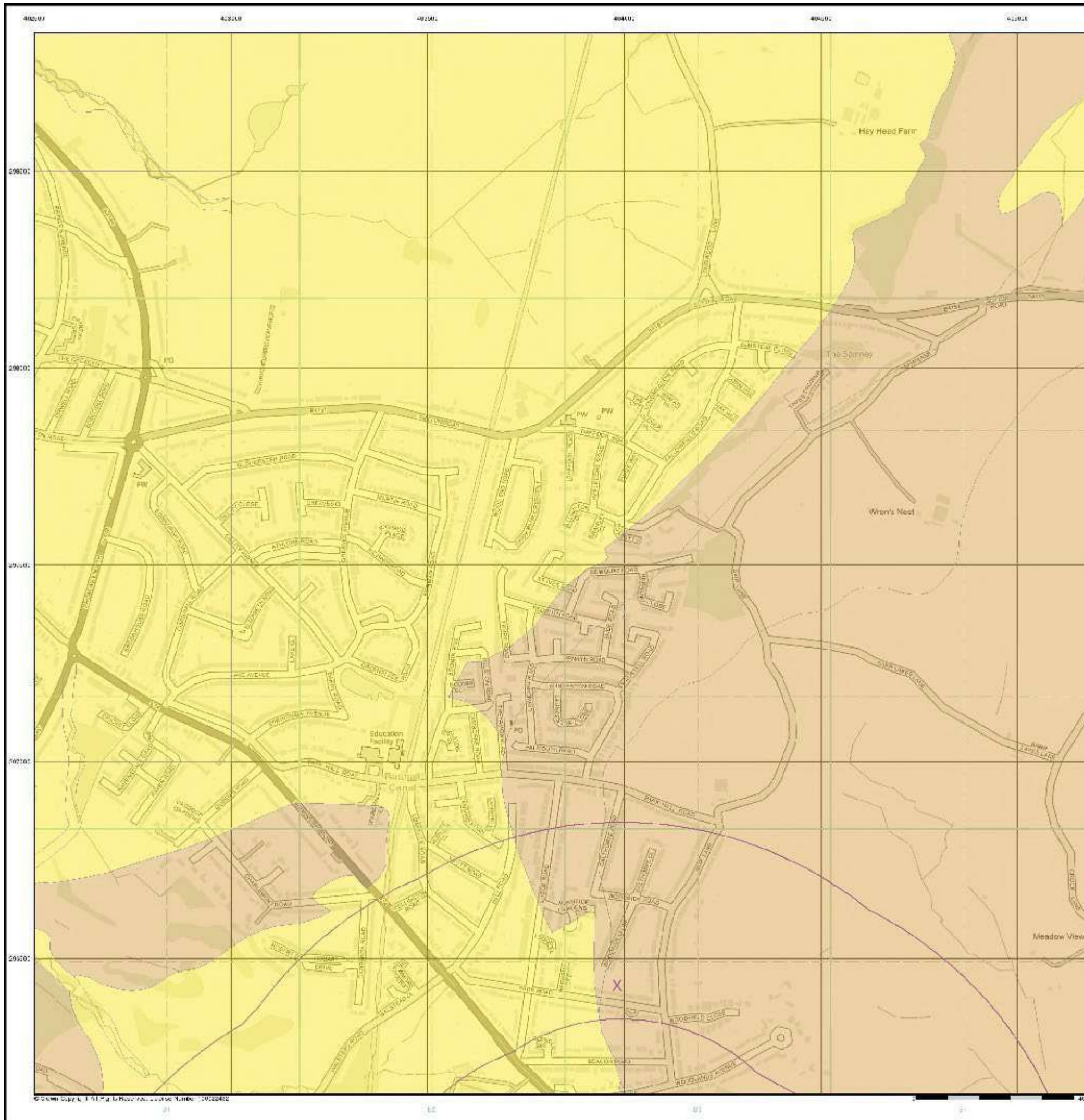


Order Details

Order Details: 314750106_1_1
 Customer Ref: POP013976
 National Grid Reference: 403980, 296430
 Slice: B
 Site Area (Ha): 27.06
 Search Buffer (m): 1000

Site Details

63 Peak House Road, BIRMINGHAM, B43 7RY

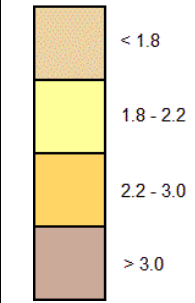


General

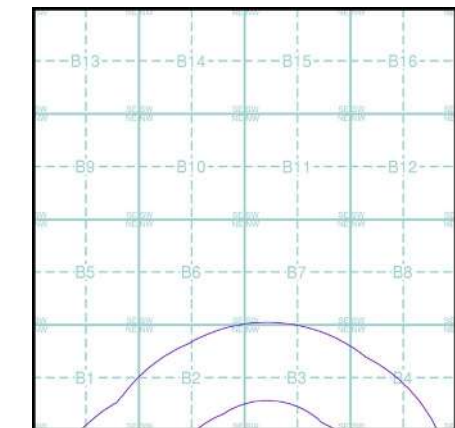
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 ○ Specified Buffer(s)
 X Bearing Reference Point

Estimated Soil Chemistry Cadmium

Cadmium Concentrations mg/kg



Estimated Soil Chemistry Cadmium - Slice B

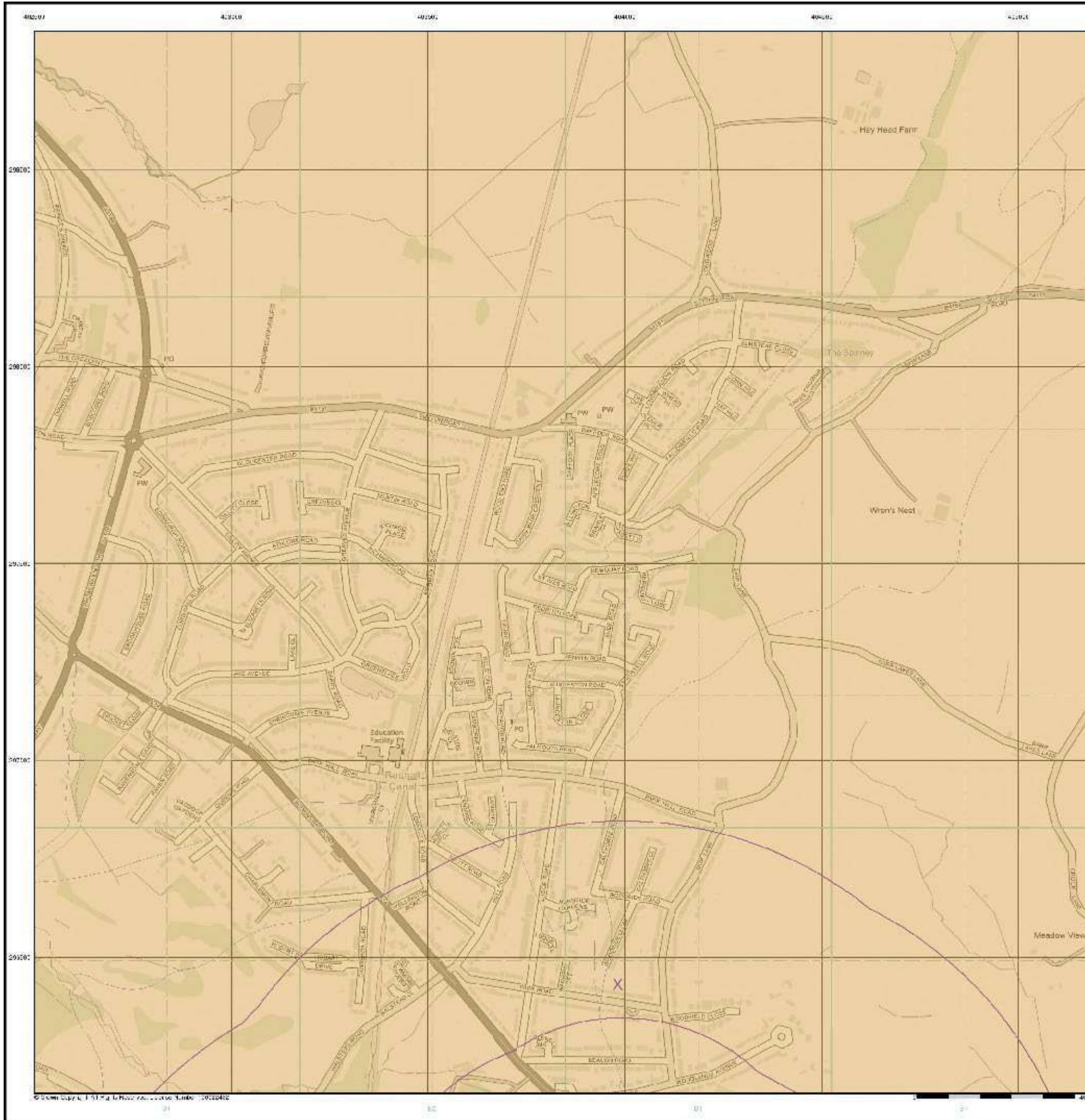


Order Details

Order Details: 314750106_1_1
 Customer Ref: POP013976
 National Grid Reference: 403980, 296430
 Slice: B
 Site Area (Ha): 27.06
 Search Buffer (m): 1000

Site Details

63 Peak House Road, BIRMINGHAM, B43 7RY

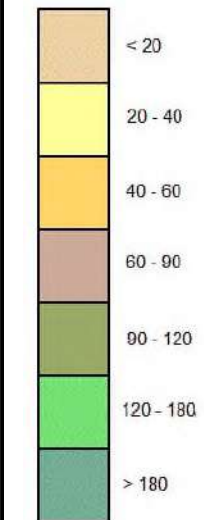


General

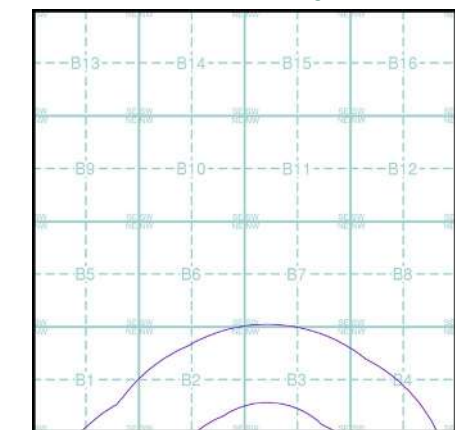
X Specified Site
 ○ Specified Buffer(s)
 X Bearing Reference Point

Estimated Soil Chemistry Chromium

Chromium Concentrations mg/kg



Estimated Soil Chemistry Chromium - Slice B

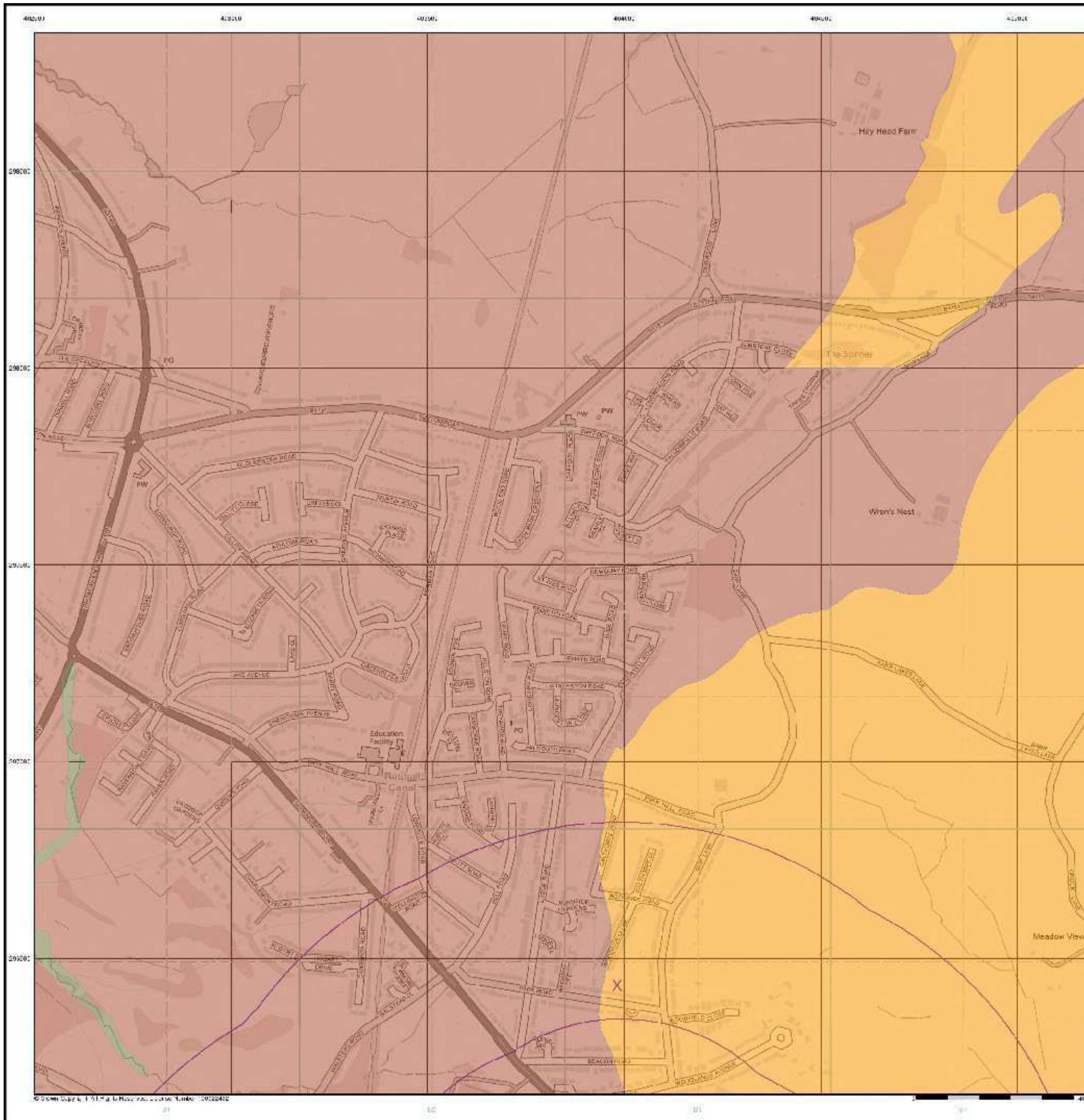


Order Details

Order Details: 314750106_1_1
 Customer Ref: POP013976
 National Grid Reference: 403980, 296430
 Slice: B
 Site Area (Ha): 27.06
 Search Buffer (m): 1000

Site Details

63 Peak House Road, BIRMINGHAM, B43 7RY

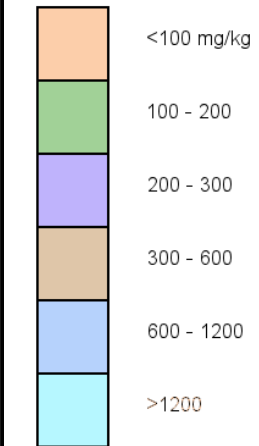


General

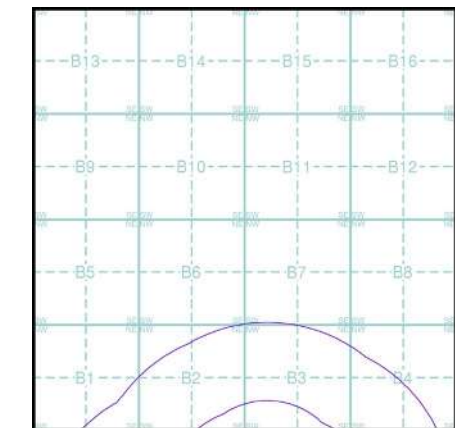
◻ Specified Site
 ◻ Specified Buffer(s)
 X Bearing Reference Point

Estimated Soil Chemistry Lead

Lead Concentrations mg/kg



Estimated Soil Chemistry Lead - Slice B

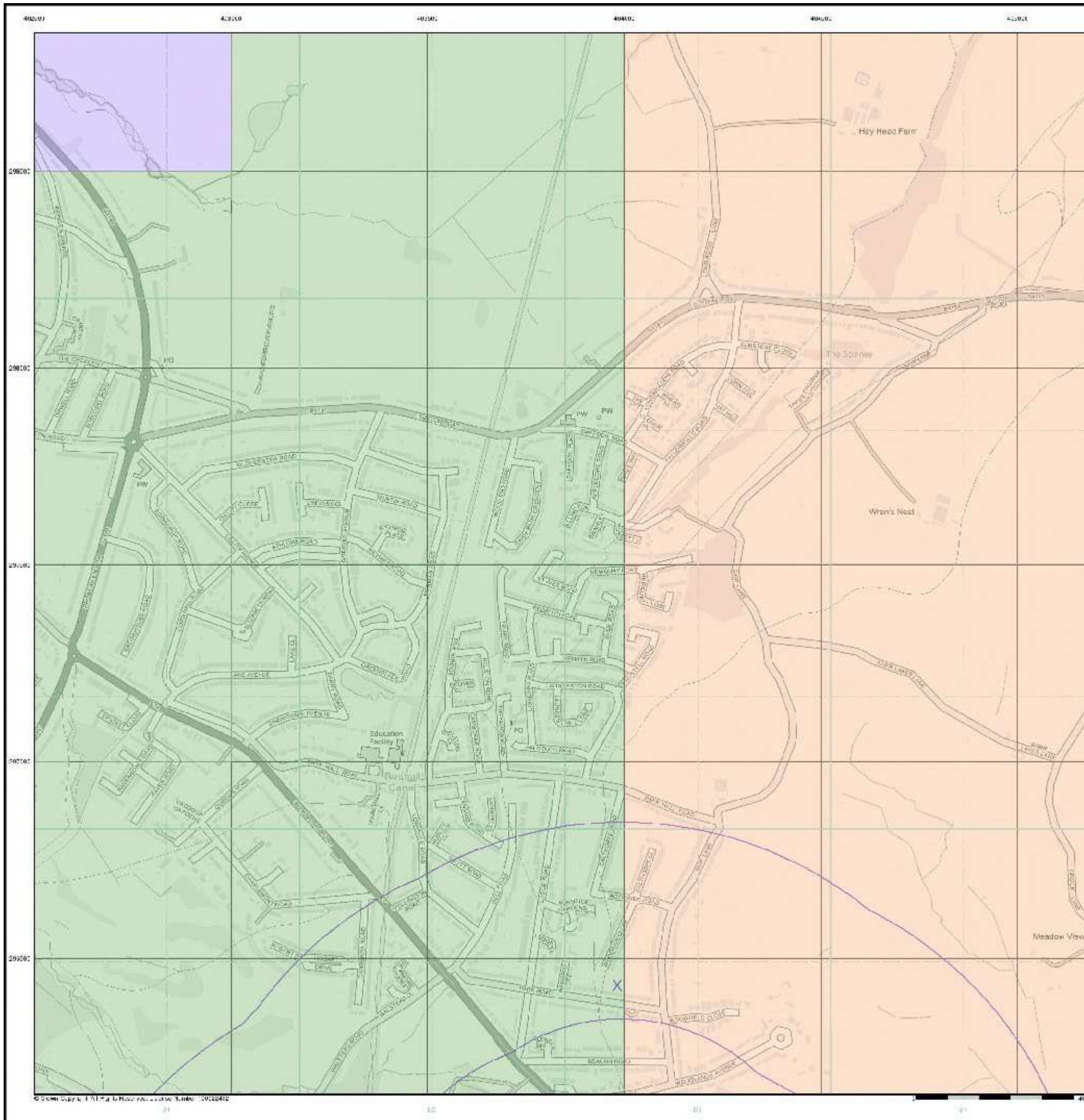


Order Details

Order Details: 314750106_1_1
 Customer Ref: POP013976
 National Grid Reference: 403980, 296430
 Slice: B
 Site Area (Ha): 27.06
 Search Buffer (m): 1000

Site Details

63 Peak House Road, BIRMINGHAM, B43 7RY



40397 40398 40399 40400 40401 40402 40403

29620 29621 29622 29623 29624 29625 29626 29627

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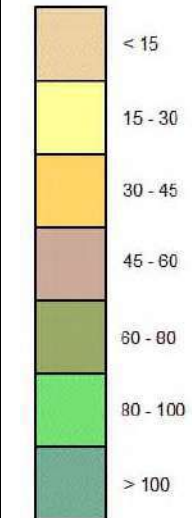
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General

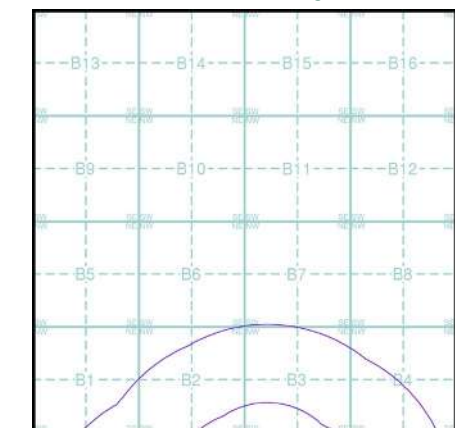
X Specified Site
 △ Specified Buffer(s)
 X Bearing Reference Point

Estimated Soil Chemistry Nickel

Nickel Concentrations mg/kg



Estimated Soil Chemistry Nickel - Slice B

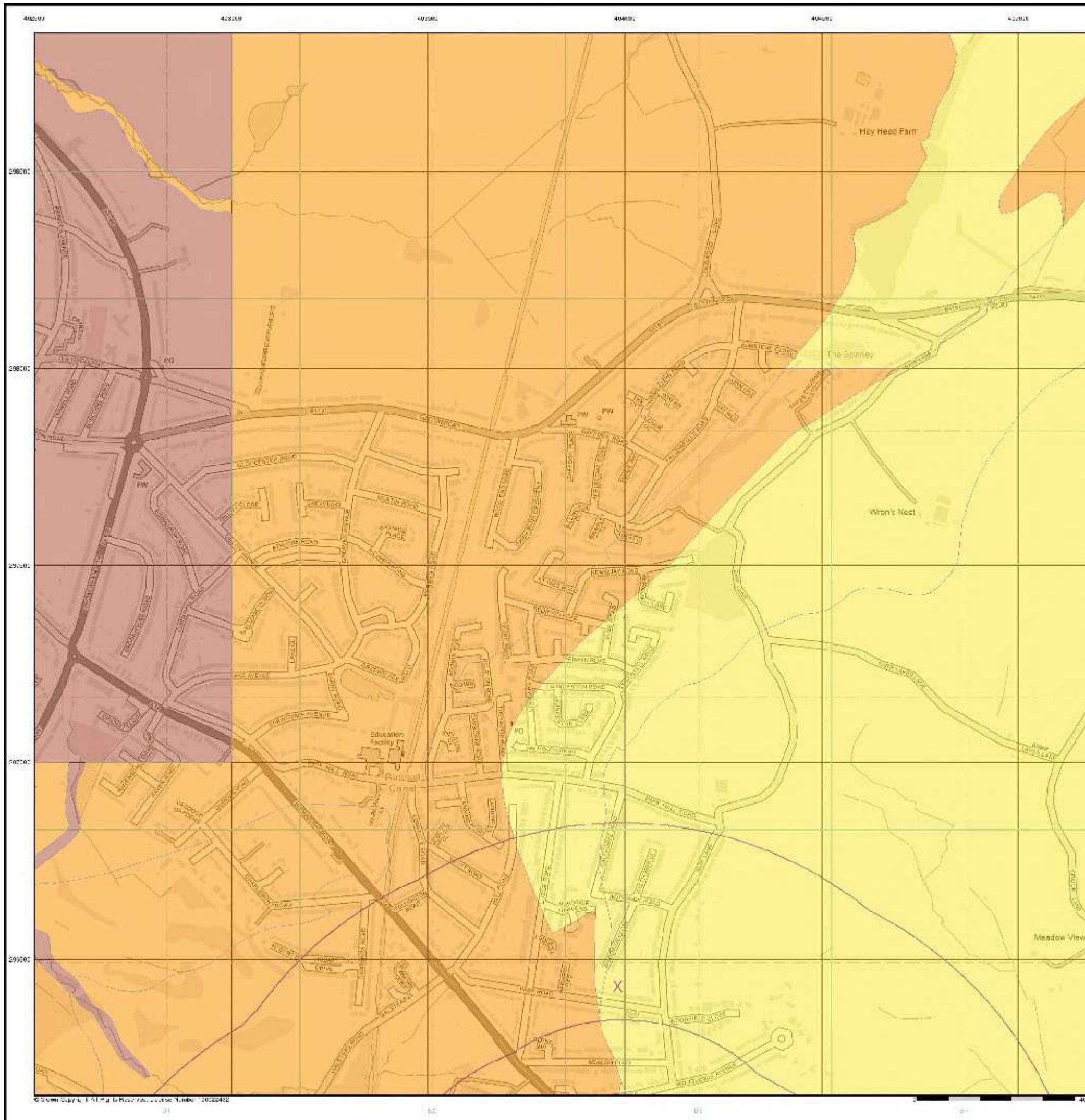


Order Details

Order Details: 314750106_1_1
 Customer Ref: POP013976
 National Grid Reference: 403980, 296430
 Slice: B
 Site Area (Ha): 27.06
 Search Buffer (m): 1000

Site Details

63 Peak House Road, BIRMINGHAM, B43 7RY





APPENDIX D

Mining & Ground Stability Report

Envirocheck[®] Report:

Mining and Ground Stability Datasheet

Order Details:

Order Number:

314750106_1_1

Customer Reference:

POP013976

National Grid Reference:

403860, 295250

Slice:

A

Site Area (Ha):

27.06

Search Buffer (m):

1000

Site Details:

63 Peak House Road

BIRMINGHAM

B43 7RY

Client Details:

Mr N Birchenough

Card Geotechnics

4 Oak Spinney Park

Leicester

LE3 3AW

Report Section and Details	Page Number
Summary	-
<p>The Summary section provides an overview of the data contained within the report, detailing the number of data set features or the existence of a data set in relation to the buffer selected.</p> <p>For ease of reference, the report is broken down into 4 sections of data; Mining and Natural Cavities Data, Historical Land Use Information (1:2,500), Historical Land Use Information (1:10,000) and Ground Stability Data (1:50,000).</p>	
Mining and Natural Cavities Data	1
<p>The Mining and Natural Cavities Data section features data sets related to the existence of mining areas and their potential hazards; 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>	
Historical Land Use Information (1:2,500)	2
<p>The Historical Land Use Information (1:2,500) section contains data captured from analysis carried out by Landmark of 1:1,250 and 1:2,500 scale historical Ordnance Survey mapping, identifying areas where, historically, the land uses were potentially contaminative.</p> <p>For the purpose of this Envirocheck module, only historical data relating to mining and ground stability has been included and plotted on the corresponding Historical Land Use Information (1:2,500) map. This section also includes the Subterranean Features data set, which details various man-made and man-used underground spaces obtained from the Subterranea Britannica society.</p>	
Historical Land Use Information (1:10,000)	3
<p>The Historical Land Use (1:10,000) section covers data captured from the systematic analysis carried out by Landmark of 1:10, 560 and 1:10,000 scale historical Ordnance Survey mapping dating back to the mid-19th century, identifying potentially contaminative past industrial land uses.</p> <p>For the purpose of this Envirocheck module, only data relating to mining and ground stability has been included and plotted on the accompanying Historical Land Use Information (1:10,000) map.</p>	
Ground Stability Data (1:50,000)	4
<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>	
Historical Map List	6
<p>The Historical Map List section details the historical mapping that has been analysed for your site, in relation to the Historical Land Use Information sections.</p>	
Data Currency	8
Data Suppliers	9
Useful Contacts	10

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

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Report Version v53.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m
Mining and Natural Cavities Data					
BGS Recorded Mineral Sites	pg 1				3
Coal Mining Affected Areas	pg 1	Yes	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	pg 1	Yes	Yes	n/a	n/a
Potential Mining Areas	pg 1		1		
Historical Land Use Information (1:2,500)					
Extractive Industries or Potential Excavations from 1855-1909 (100m)	pg 2		1	n/a	n/a
Extractive Industries or Potential Excavations from 1893-1915 (100m)	pg 2		2	n/a	n/a
Extractive Industries or Potential Excavations from 1906-1937 (100m)	pg 2		1	n/a	n/a
Extractive Industries or Potential Excavations from 1924-1949 (100m)	pg 2		1	n/a	n/a
Extractive Industries or Potential Excavations from 1950-1980 (100m)	pg 2	2	3	n/a	n/a
Subterranean Features (100m)				n/a	n/a
Historical Land Use Information (1:10,000)					
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 3				3
Former Marshes					
Potentially Infilled Land (Non-Water)	pg 3			1	3
Potentially Infilled Land (Water)	pg 3			2	1
Ground Stability Data (1:50,000)					
CBSCB Compensation District			n/a	n/a	n/a
Brine Pumping Related Features					
Brine Subsidence Solution Area					
Potential for Collapsible Ground Stability Hazards	pg 4	Yes	Yes	n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 4	Yes	Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards	pg 4	Yes	Yes	n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 4	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 4	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 4	Yes	Yes	n/a	n/a
Salt Mining Related Features					

Report Version v53.0

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	BGS Recorded Mineral Sites Site Name: Great Barr Location: Great Barr, West Bromwich, West Midlands Source: British Geological Survey, National Geoscience Information Service Reference: 39028 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Triassic Geology: Chester Formation (Kidderminster Formation) Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A11SE (SE)	548	1	404511 294919
2	BGS Recorded Mineral Sites Site Name: Great Barr Location: Great Barr, West Bromwich, West Midlands Source: British Geological Survey, National Geoscience Information Service Reference: 39027 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Triassic Geology: Chester Formation (Kidderminster Formation) Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A12SW (E)	551	1	404578 294986
3	BGS Recorded Mineral Sites Site Name: Shustoke Bridge Brick Works Location: The Delves, Walsall, Walsall, West Midlands Source: British Geological Survey, National Geoscience Information Service Reference: 65748 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Silurian Geology: Coalbrookdale Formation Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A14NW (NW)	555	1	403250 295944
	Coal Mining Affected Areas Description: In an area which may be affected by coal mining activity. It is recommended that a coal mining report is obtained from the Coal Authority. Contact details are included in the Useful Contacts section of this report.	A11NW (NE)	0	2	403864 295251
	Non Coal Mining Areas of Great Britain Risk: Highly Unlikely Source: British Geological Survey, National Geoscience Information Service	A10NE (NW)	0	1	403737 295350
	Non Coal Mining Areas of Great Britain Risk: Rare Source: British Geological Survey, National Geoscience Information Service	A15NW (N)	9	1	403990 295853
4	Potential Mining Areas Name: Bilston Mill Ceased Operation: 1896 Commodity: Coal; Thick; Heathen Reference: 3559 Alternate: Not Supplied Name/Mine: Not Supplied Custodian: Not Supplied	A15NW (N)	122	4	403856 295965

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
5	Extractive Industries or Potential Excavations from 1855-1909 Use: Unspecified Pit First Map Published 1886 Date: Last Map Published Not Applicable Date:	A11SW (SE)	79	-	404022 295116
6	Extractive Industries or Potential Excavations from 1893-1915 Use: Unspecified Pits First Map Published 1903 Date: Last Map Published Not Applicable Date:	A11SW (SE)	80	-	404022 295115
7	Extractive Industries or Potential Excavations from 1893-1915 Use: W First Map Published 1903 Date: Last Map Published Not Applicable Date:	A15NW (NE)	93	-	404119 295862
8	Extractive Industries or Potential Excavations from 1906-1937 Use: Unspecified Pits First Map Published 1918 Date: Last Map Published Not Applicable Date:	A11SW (SE)	81	-	404024 295116
9	Extractive Industries or Potential Excavations from 1924-1949 Use: Unspecified Pits First Map Published 1937 Date: Last Map Published Not Applicable Date:	A11SW (SE)	82	-	404024 295115
10	Extractive Industries or Potential Excavations from 1950-1980 Use: Pond First Map Published 1960 Date: Last Map Published N/A Date:	A11NW (NE)	0	-	404040 295355
11	Extractive Industries or Potential Excavations from 1950-1980 Use: Pond First Map Published 1960 Date: Last Map Published N/A Date:	A15SW (NE)	0	-	404095 295703
12	Extractive Industries or Potential Excavations from 1950-1980 Use: Pond First Map Published 1960 Date: Last Map Published N/A Date:	A15NW (N)	2	-	403966 295822
13	Extractive Industries or Potential Excavations from 1950-1980 Use: Unspecified Pit First Map Published 1960 Date: Last Map Published N/A Date:	A15SW (N)	4	-	403852 295753
14	Extractive Industries or Potential Excavations from 1950-1980 Use: Pond First Map Published 1960 Date: Last Map Published N/A Date:	A15NW (N)	62	-	403994 295907

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
15	Quarrying of sand & clay, operation of sand & gravel pits Use: Not Supplied Date of Mapping: 1890	A11SE (SE)	551	-	404523 294926
16	Quarrying of sand & clay, operation of sand & gravel pits Use: Not Supplied Date of Mapping: 1904 - 1955	A12SW (E)	558	-	404597 295000
17	Quarrying of sand & clay, operation of sand & gravel pits Use: Not Supplied Date of Mapping: 1955	A11SE (SE)	559	-	404507 294884
18	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A14NW (NW)	495	-	403309 295908
19	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1980	A11SE (SE)	551	-	404523 294926
20	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A12SW (E)	558	-	404597 295000
21	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1980	A11SE (SE)	559	-	404507 294884
22	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	A15NW (N)	300	-	404163 296092
23	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A15NE (NE)	300	-	404204 296057
24	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A6NE (S)	659	-	403681 294489

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	CBSCB Compensation District The site does not fall within the brine compensation area.				
	Brine Subsidence Solution Area The site does not fall within the brine subsidence solution area.				
25	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11NW (NE)	0	1	403864 295251
26	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11SW (S)	111	1	403864 295000
27	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A11NW (SE)	18	1	403979 295160
28	Potential for Compressible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11SW (S)	139	1	403963 294979
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11NW (NE)	0	1	403864 295251
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11SW (S)	111	1	403864 295000
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11NW (NE)	0	1	403864 295251
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11SW (S)	111	1	403864 295000
29	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11NW (NE)	0	1	403864 295251
30	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A15SW (N)	0	1	403951 295759
31	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11SW (S)	111	1	403864 295000
	Potential for Landslide Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11NE (E)	177	1	404321 295335
32	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11NW (SE)	18	1	403979 295160
33	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11SW (S)	139	1	403963 294979
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11NW (NE)	0	1	403864 295251
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11SW (S)	111	1	403864 295000
34	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A10NE (NW)	0	1	403737 295350
35	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A15SW (N)	0	1	403951 295759
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11NW (NE)	0	1	403864 295251

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Potential for Shrinking or Swelling Clay Ground Stability Hazards</p> <p>Hazard Potential: No Hazard</p> <p>Source: British Geological Survey, National Geoscience Information Service</p>	A11SW (S)	111	1	403864 295000

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








1:2,500	Mapsheet	Published Date
Staffordshire	063_15	1886
Staffordshire	063_16	1886
Staffordshire	063_16	1886
Staffordshire	068_03	1886
Staffordshire	068_03	1886
Staffordshire	068_04	1886
Staffordshire	068_04	1886
Staffordshire	068_04	1886
Staffordshire	068_04	1886
Staffordshire	068_04	1886
Staffordshire	063_15	1903
Staffordshire	063_16	1903
Staffordshire	063_16	1903
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Staffordshire	068_04	1903
Staffordshire	068_04	1903
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Staffordshire	068_03	1904
Staffordshire	063_15	1914
Staffordshire	063_16	1914
Staffordshire	063_16	1914
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Staffordshire	068_03	1918
Staffordshire	068_04	1918
Staffordshire	068_04	1918
Staffordshire	068_04	1918
Staffordshire	068_04	1918
Staffordshire	068_03	1937
Staffordshire	068_03	1937
Staffordshire	068_04	1937
Staffordshire	068_04	1937
Staffordshire	068_04	1937
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Staffordshire	063_16	1938
Staffordshire	063_16	1938

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

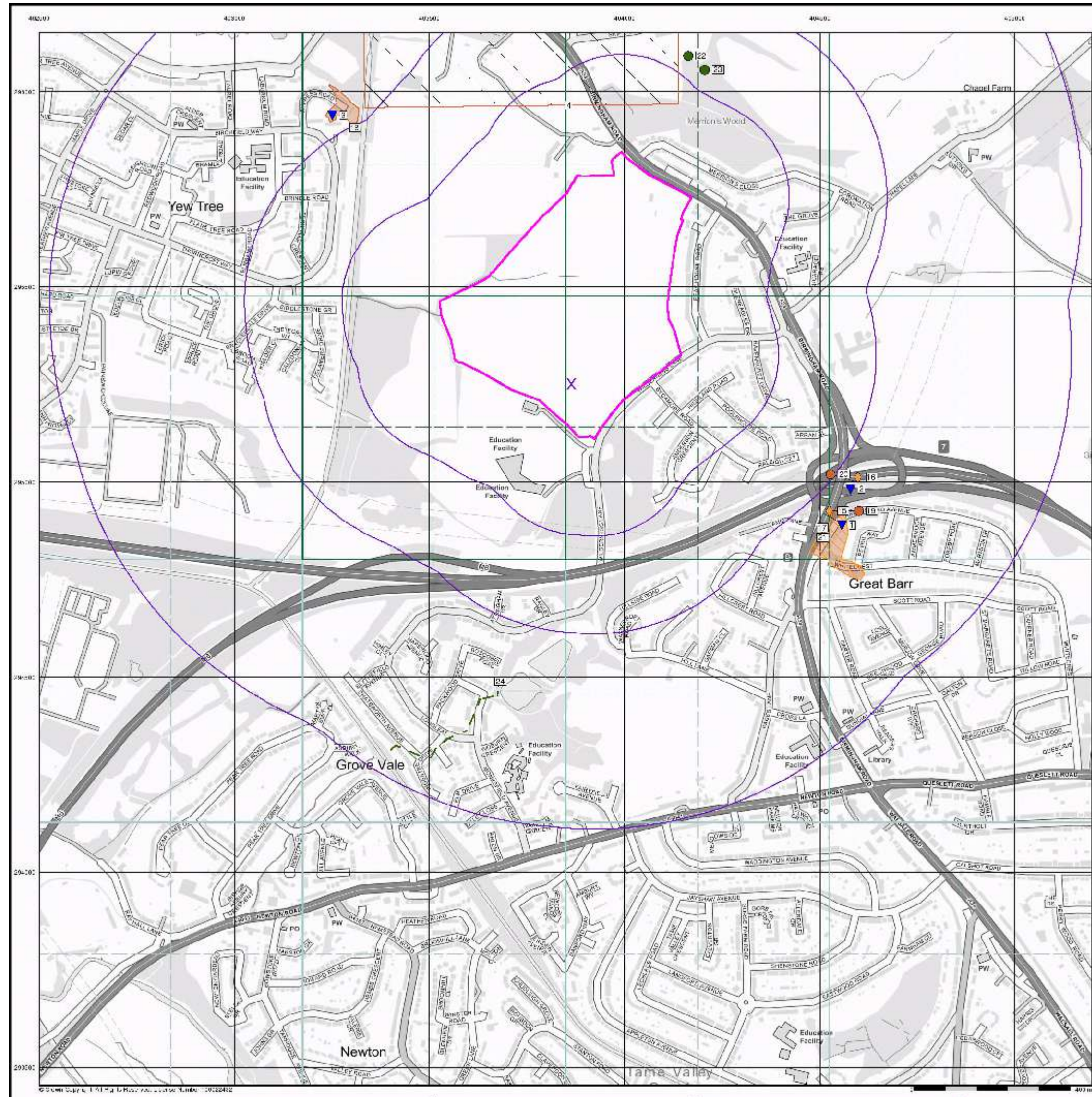
1:10,560	Mapsheets	Published Date
Staffordshire	063_SE	1890
Staffordshire	068_NE	1890
Staffordshire	063_SE	1903
Staffordshire	068_NE	1904
Staffordshire	063_SE	1920
Warwickshire	007_NE	1921
Staffordshire	068_NE	1921
Warwickshire	007_NE	1938
Staffordshire	063_SE	1938
Staffordshire	068_NE	1946
Ordnance Survey Plan	SP09NE	1955
Ordnance Survey Plan	SP09NW	1955
Ordnance Survey Plan	SP09SW	1955
Ordnance Survey Plan	SP09SE	1956
1:10,000	Mapsheets	Published Date
Ordnance Survey Plan	SP09SW	1980
Ordnance Survey Plan	SP09NE	1991
Ordnance Survey Plan	SP09NW	1992
Ordnance Survey Plan	SP09SE	1994

Mining and Cavities Data	Version	Update Cycle
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	June 2023	Bi-Annually
Coal Mining Affected Areas The Coal Authority - Property Searches	February 2023	Annual Rolling Update
Man Made Mining Cavities Stantec UK Ltd	December 2022	Bi-Annually
Mining Instability Ove Arup & Partners	June 1998	Not Applicable
Natural Cavities Stantec UK Ltd	December 2022	Bi-Annually
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Historical Land Use Information (1:2,500)	Version	Update Cycle
Subterranean Features Landmark Information Group Limited	July 2023	Bi-Annually
Ground Stability Data (1:50,000)	Version	Update Cycle
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB) Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011 November 2020	As notified
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	April 2020	As notified
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Brine Subsidence Solution Area Johnson Poole & Bloomer	December 2020	

A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	
British Geological Survey	 British Geological Survey <small>NATURAL ENVIRONMENT RESEARCH COUNCIL</small>
The Coal Authority	
Ove Arup	
Stantec UK Ltd	
Wardell Armstrong	
Johnson Poole & Bloomer	

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



Historical Land Use Information (1:10,000)

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	Blue diamond	Blue line	Blue hatched polygon
Disturbed Ground	Purple diamond	Purple line	Purple hatched polygon
General Quarrying	Orange diamond	Orange line	Orange hatched polygon
Heap, unknown constituents	Green diamond	Green line	Green hatched polygon
Mineral Railway	Red diamond	Red line	Red hatched polygon
Mining and Quarrying General	Blue diamond	Blue line	Blue hatched polygon
Mining of Coal & Lignite	Blue diamond	Blue line	Blue hatched polygon
Quarrying of Sand and Clay, Operation of Sand and Gravel Pits	Orange diamond	Orange line	Orange hatched polygon

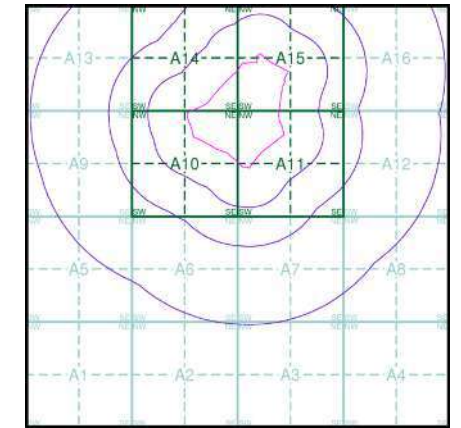
Historical Land Use

	Point	Line	Polygon
Potentially Infilled Land (Non-Water)	Orange circle	Orange dashed line	Orange hatched polygon
Potentially Infilled Land (Water)	Green circle	Green dashed line	Green hatched polygon
Former Marsh	Blue cross		

Mining Data

- Potential Mining Area
- BGS Recorded Mineral Site

Mining and Ground Stability - Slice A



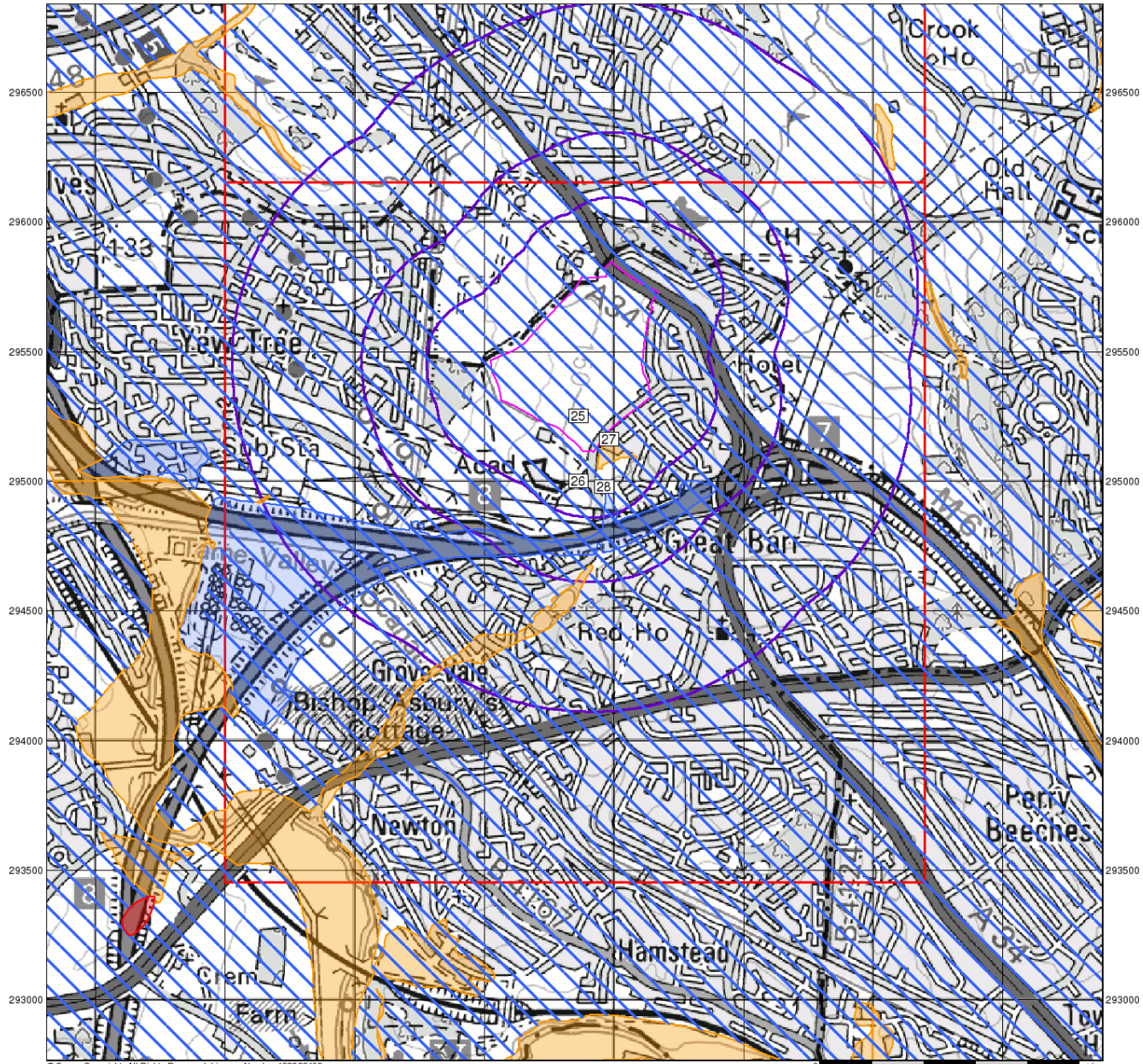
Order Details

Order Number: 314750106_1_1
 Customer Ref: POP013976
 National Grid Reference: 403860, 295250
 Slice: A
 Site Area (Ha): 27.06
 Search Buffer (m): 1000

Site Details

63 Peak House Road, BIRMINGHAM, B43 7RY

402000 402500 403000 403500 404000 404500 405000 405500



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Ground Stability Data (1:50,000)

General

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

Potential for Compressible Ground Stability Hazards

- High
- Moderate
- Low
- Very Low

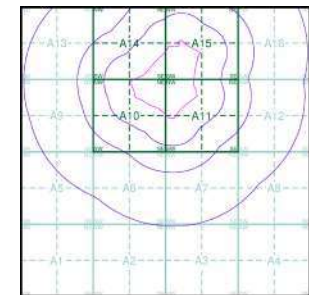
Potential for Collapsible Ground Stability Hazards

- High
- Moderate
- Low
- Very Low

Brine Pumping and Salt Mining

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

Mining and Ground Stability - Slice A



Order Details

Order Number: 314750106_1_1
 Customer Ref: POP013976
 National Grid Reference: 403860, 295250
 Slice: A
 Site Area (Ha): 27.06
 Search Buffer (m): 1000

Site Details

63 Peak House Road, BIRMINGHAM, B43 7RY

Landmark
 INFORMATION GROUP

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

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Ground Stability Data (1:50,000)

General

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

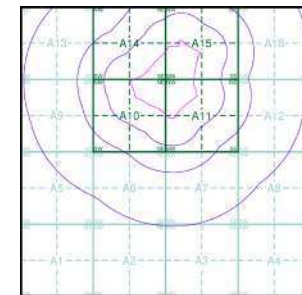
Potential for Landslide Ground Stability Hazards

- High
- Low
- Moderate
- Very Low

Potential for Ground Dissolution Stability Hazards

- High
- Low
- Moderate
- Very Low

Mining and Ground Stability - Slice A



Order Details

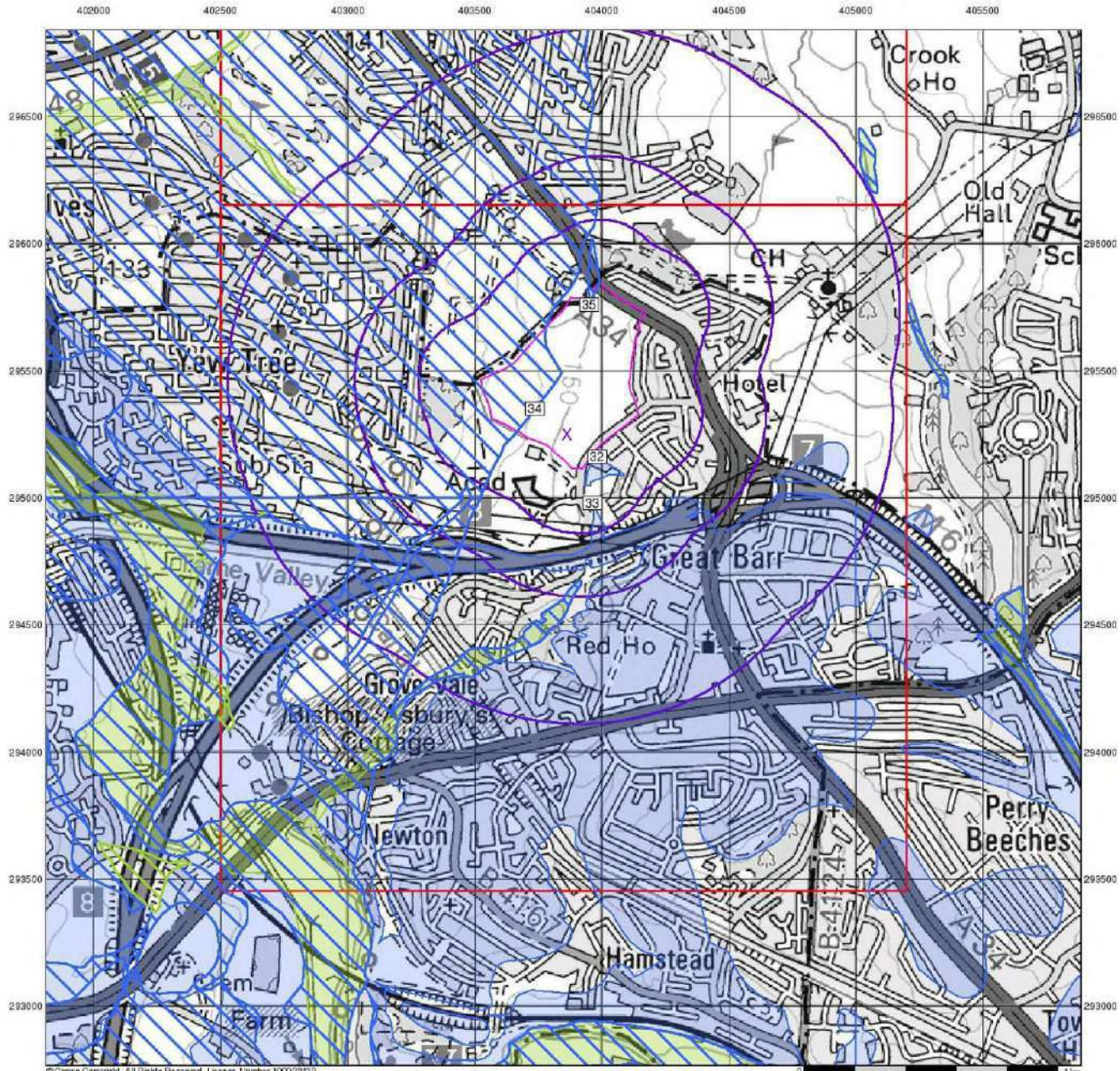
Order Number: 314750106_1_1
 Customer Ref: POP013976
 National Grid Reference: 403860, 295250
 Slice: A
 Site Area (Ha): 27.06
 Search Buffer (m): 1000

Site Details

63 Peak House Road, BIRMINGHAM, B43 7RY

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Ground Stability Data (1:50,000)

General

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

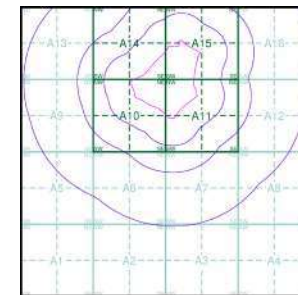
Potential for Running Sand Ground Stability Hazards

- 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: 314750106_1_1
 Customer Ref: POP013976
 National Grid Reference: 403860, 295250
 Slice: A
 Site Area (Ha): 27.06
 Search Buffer (m): 1000

Site Details

63 Peak House Road, BIRMINGHAM, B43 7RY

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 Web: www.envirocheck.co.uk

General

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

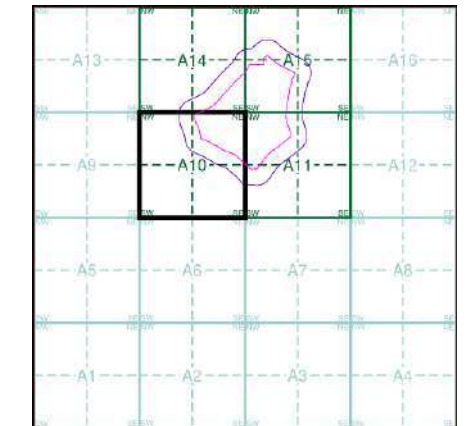
Potentially Contaminative Industrial Uses (Extractive Industries Activity)

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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 A10

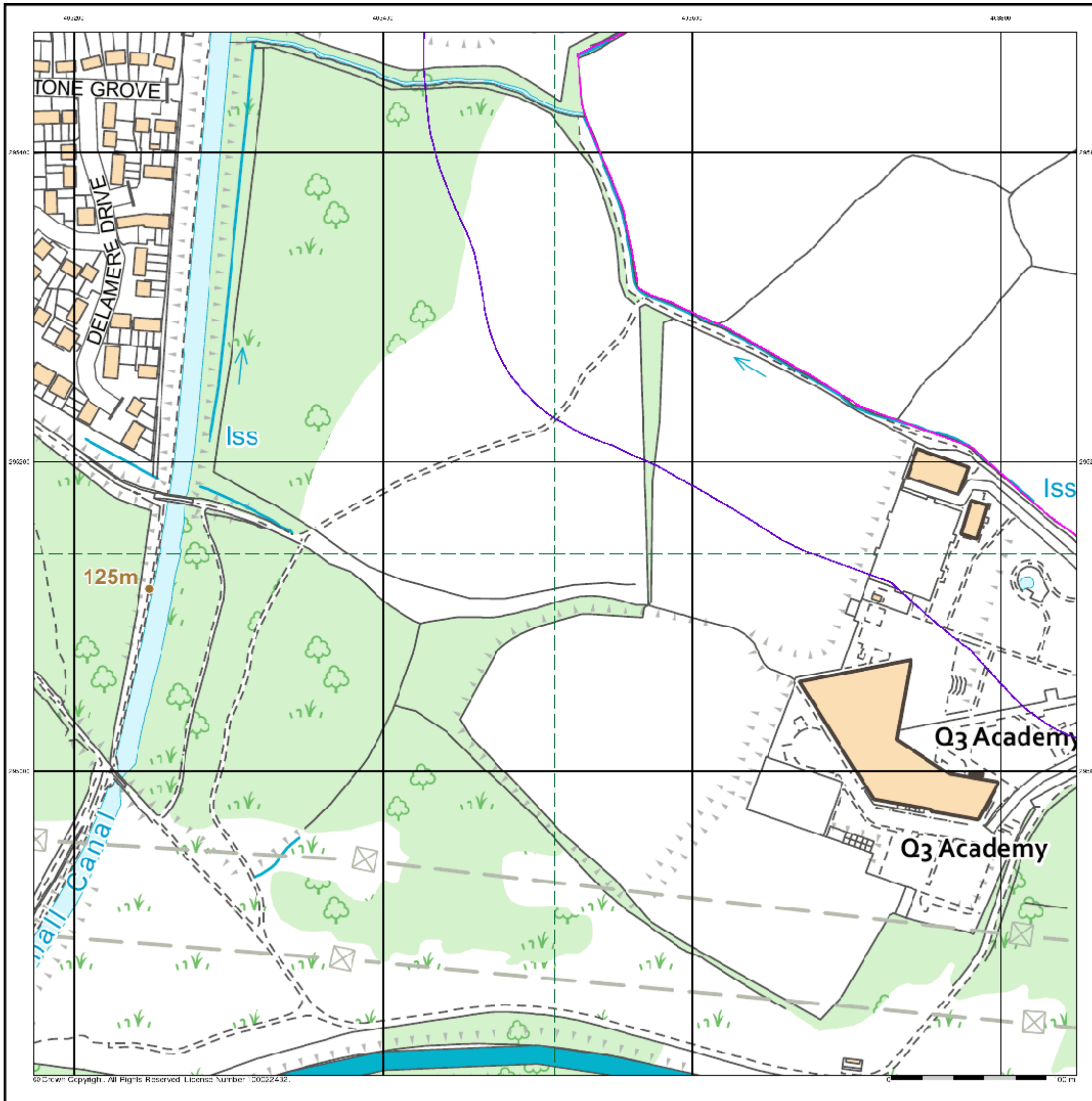


Order Details

Order Number: 314750106_1_1
 Customer Ref: POP013976
 National Grid Reference: 403860, 295250
 Slice: A
 Site Area (Ha): 27.06
 Plot Buffer (m): 100

Site Details

63 Peak House Road, BIRMINGHAM, B43 7RY



General

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

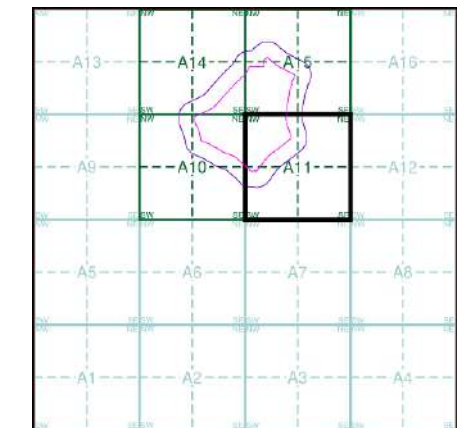
Potentially Contaminative Industrial Uses (Extractive Industries Activity)

	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

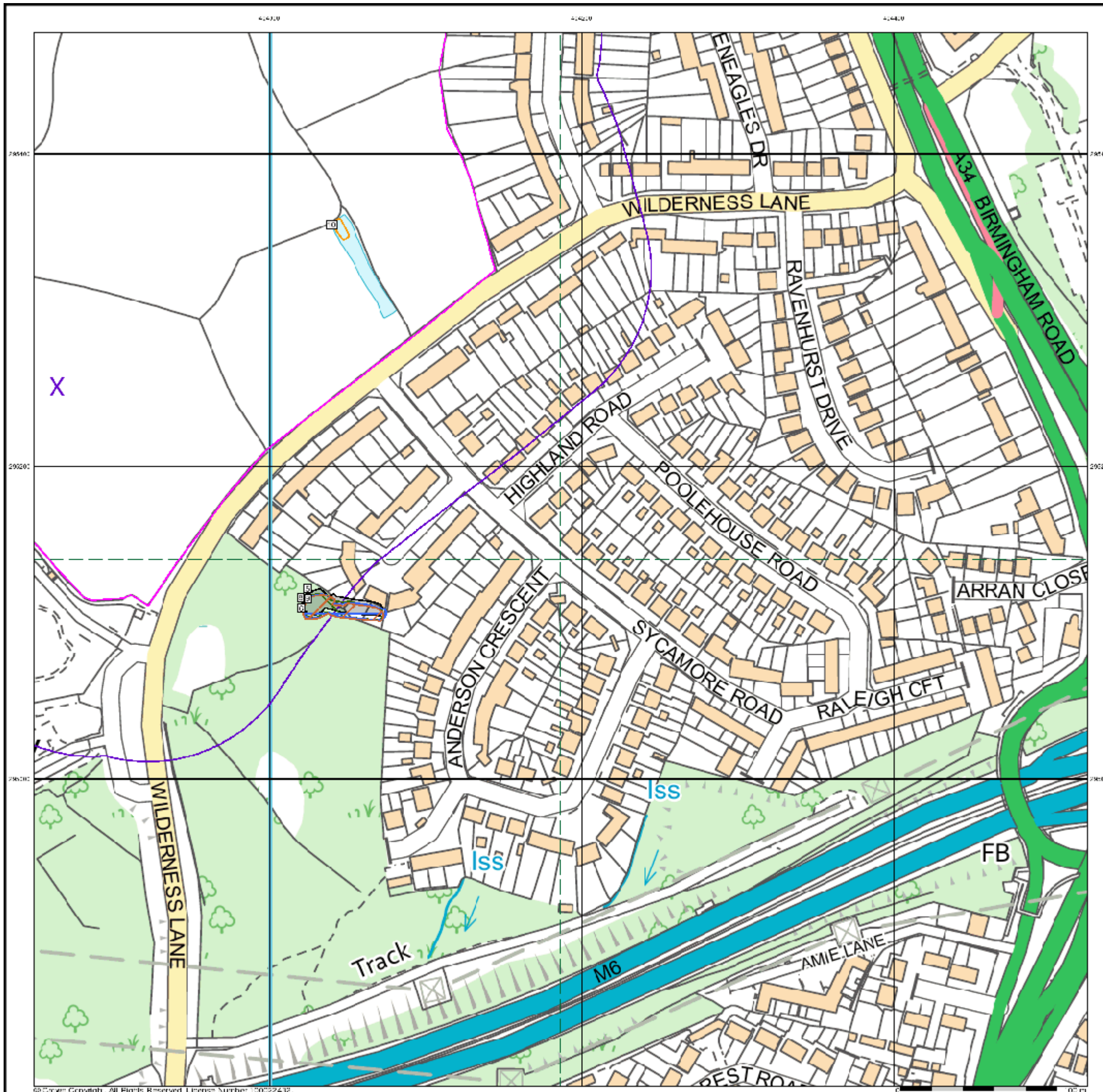


Order Details

Order Number: 314750106_1_1
 Customer Ref: POP013976
 National Grid Reference: 403860, 295250
 Slice: A
 Site Area (Ha): 27.06
 Plot Buffer (m): 100

Site Details

63 Peak House Road, BIRMINGHAM, B43 7RY



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General

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

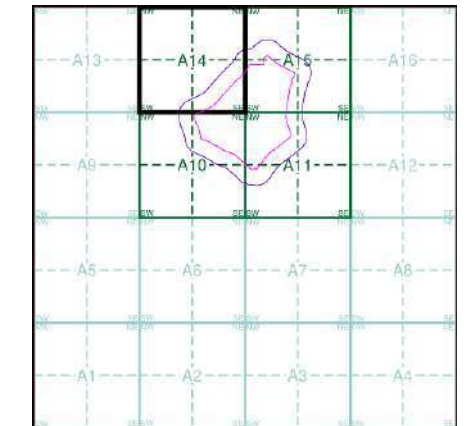
Potentially Contaminative Industrial Uses (Extractive Industries Activity)

	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 A14

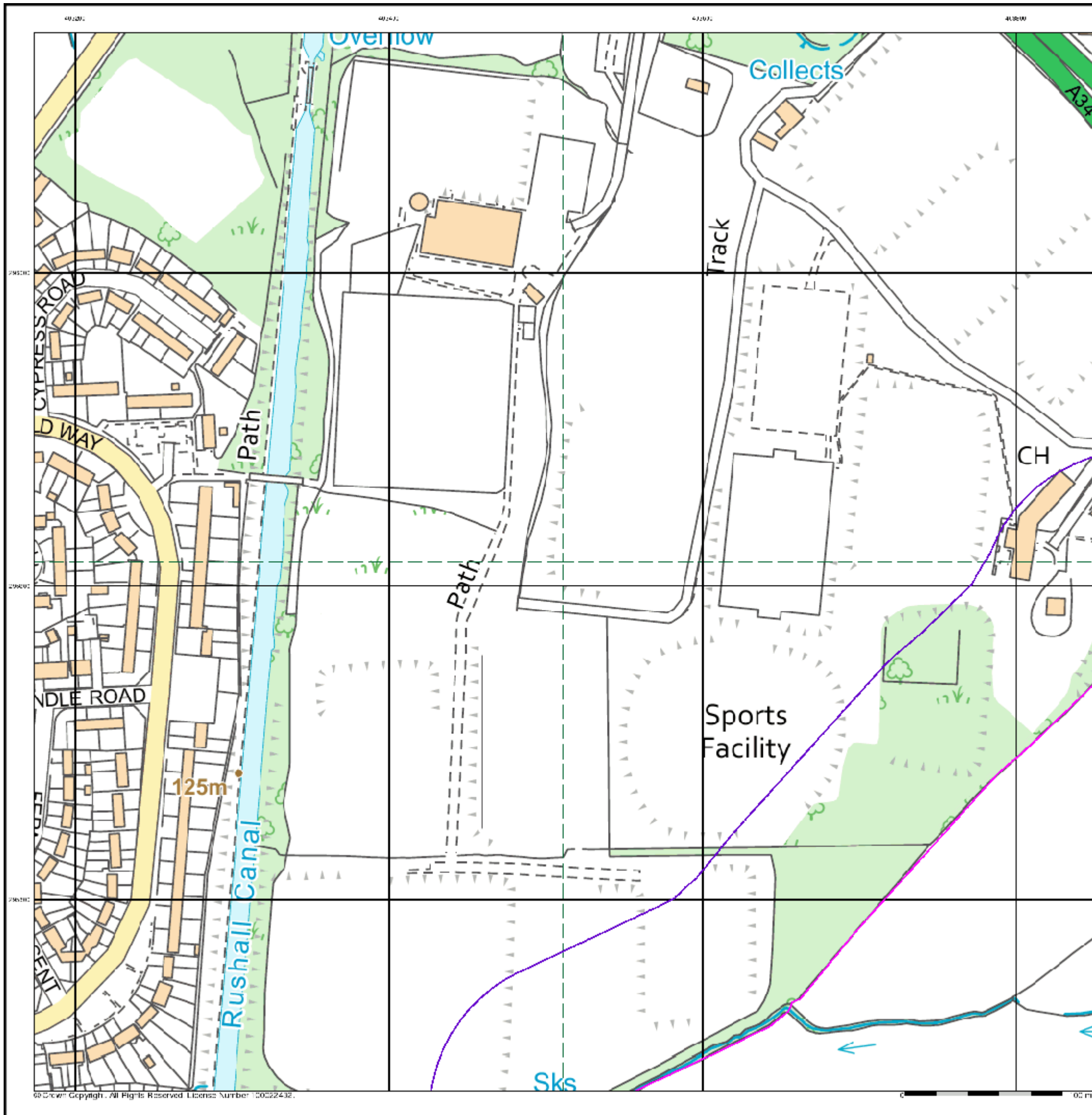


Order Details

Order Number: 314750106_1_1
 Customer Ref: POP013976
 National Grid Reference: 403860, 295250
 Slice: A
 Site Area (Ha): 27.06
 Plot Buffer (m): 100

Site Details

63 Peak House Road, BIRMINGHAM, B43 7RY



General

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

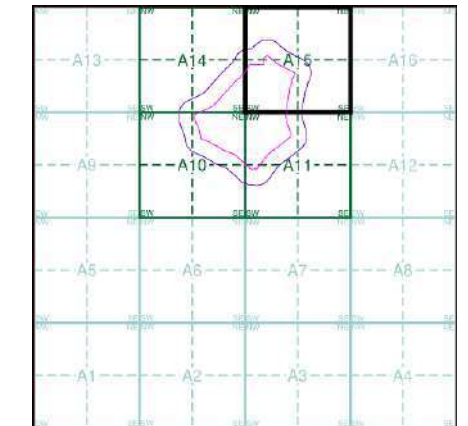
Potentially Contaminative Industrial Uses (Extractive Industries Activity)

	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: 314750106_1_1
 Customer Ref: POP013976
 National Grid Reference: 403860, 295250
 Slice: A
 Site Area (Ha): 27.06
 Plot Buffer (m): 100

Site Details

63 Peak House Road, BIRMINGHAM, B43 7RY





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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)

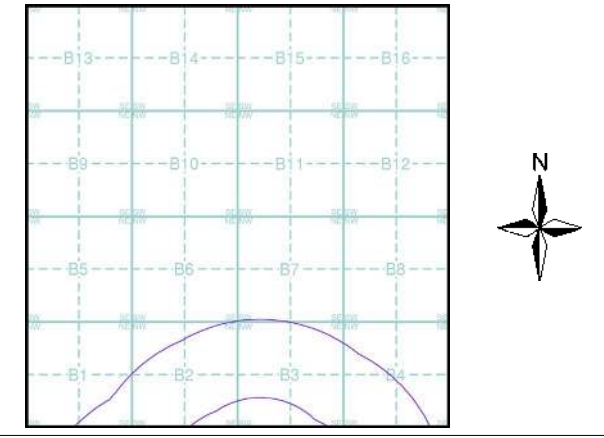
	Point	Line	Polygon
Air Shafts	Blue diamond	Blue line	Blue hatched polygon
Disturbed Ground	Purple diamond	Purple line	Purple hatched polygon
General Quarrying	Brown diamond	Brown line	Brown hatched polygon
Heap, unknown constituents	Green diamond	Green line	Green hatched polygon
Mineral Railway	Light green diamond	Light green line	Light green hatched polygon
Mining and Quarrying General	Red diamond	Red line	Red hatched polygon
Mining of Coal & Lignite	Blue diamond	Blue line	Blue hatched polygon
Quarrying of Sand and Clay, Operation of Sand and Gravel Pits	Orange diamond	Orange line	Orange hatched polygon

Historical Land Use

	Point	Line	Polygon
Potentially Infilled Land (Non-Water)	Brown circle	Red dashed line	Red hatched polygon
Potentially Infilled Land (Water)	Green circle	Green dashed line	Green hatched polygon
Former Marsh	Blue cross		

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

Mining and Ground Stability - Slice B



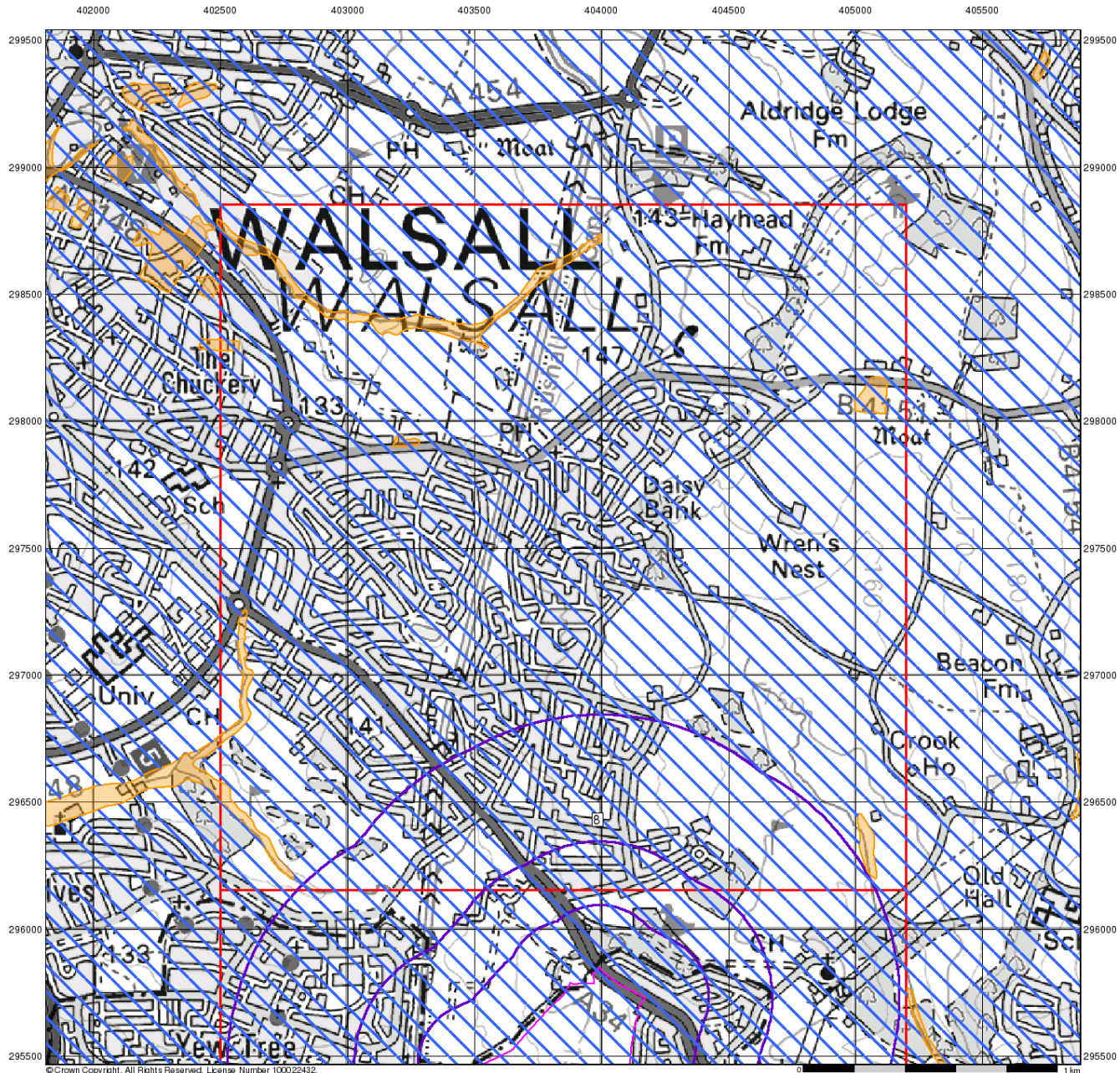
Order Details

Order Number: 314750106_1_1
 Customer Ref: POP013976
 National Grid Reference: 403980, 296430
 Slice: B
 Site Area (Ha): 27.06
 Search Buffer (m): 1000

Site Details
 63 Peak House Road, BIRMINGHAM, B43 7RY

Landmark®
 INFORMATION GROUP

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








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Ground Stability Data (1:50,000)


General

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





Potential for Compressible Ground Stability Hazards

-  High
-  Low
-  Moderate
-  Very Low

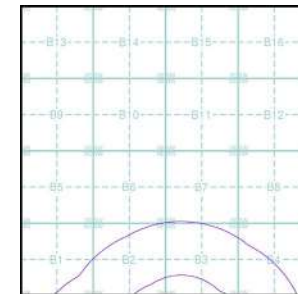
Potential for Collapsible Ground Stability Hazards

-  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

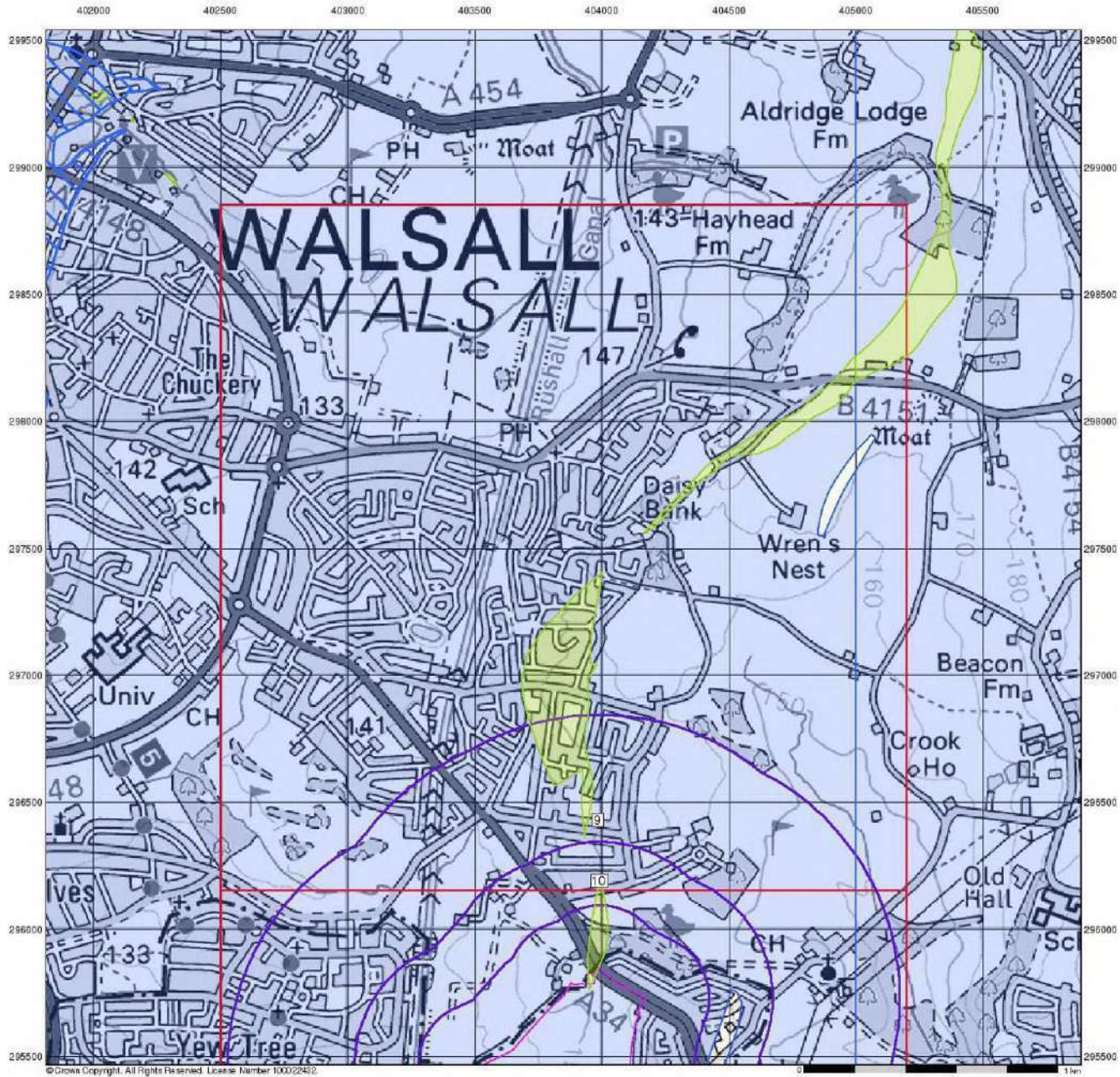
Order Number: 314750106_1_1
 Customer Ref: POP013976
 National Grid Reference: 403980, 296430
 Slice: B
 Site Area (Ha): 27.06
 Search Buffer (m): 1000

Site Details

63 Peak House Road, BIRMINGHAM, B43 7RY

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Ground Stability Data (1:50,000)

General

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

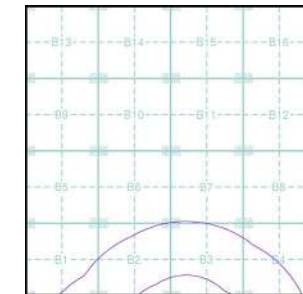
Potential for Landslide Ground Stability Hazards

- High
- Low
- Moderate
- Very Low

Potential for Ground Dissolution Stability Hazards

- High
- Low
- Moderate
- Very Low

Mining and Ground Stability - Slice B



Order Details

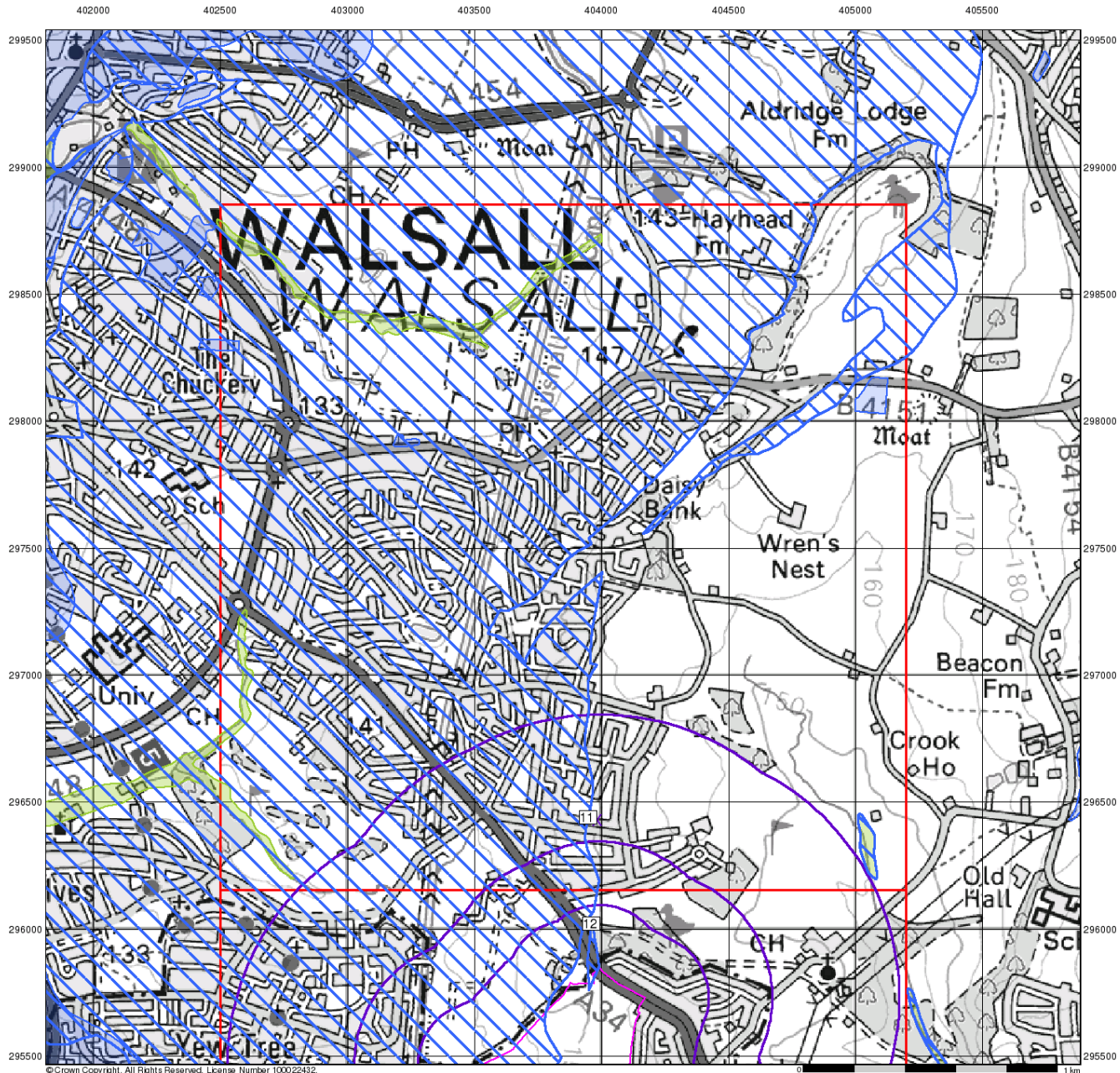
Order Number: 314750106_1_1
 Customer Ref: POP013976
 National Grid Reference: 403980, 296430
 Slice: B
 Site Area (Ha): 27.06
 Search Buffer (m): 1000

Site Details

63 Peak House Road, BIRMINGHAM, B43 7RY

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Ground Stability Data (1:50,000)

General

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

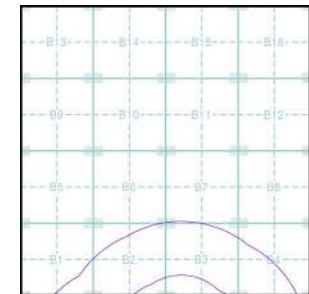
Potential for Running Sand Ground Stability Hazards

-  High
-  Low
-  Moderate
-  Very Low

Potential for Shrinking or Swelling Clay Ground Stability Hazards

-  High
-  Low
-  Moderate
-  Very Low

Mining and Ground Stability - Slice B



Order Details

Order Number: 314750106_1_1
 Customer Ref: POP013976
 National Grid Reference: 403980, 296430
 Slice: B
 Site Area (Ha): 27.06
 Search Buffer (m): 1000

Site Details

63 Peak House Road, BIRMINGHAM, B43 7RY

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

Envirocheck[®] Report:

Mining and Ground Stability Datasheet

Order Details:

Order Number:

314750106_1_1

Customer Reference:

POP013976

National Grid Reference:

403980, 296430

Slice:

B

Site Area (Ha):

27.06

Search Buffer (m):

1000

Site Details:

63 Peak House Road

BIRMINGHAM

B43 7RY

Client Details:

Mr N Birchenough

Card Geotechnics

4 Oak Spinney Park

Leicester

LE3 3AW

Report Section and Details	Page Number
Summary	-
<p>The Summary section provides an overview of the data contained within the report, detailing the number of data set features or the existence of a data set in relation to the buffer selected.</p> <p>For ease of reference, the report is broken down into 4 sections of data; Mining and Natural Cavities Data, Historical Land Use Information (1:2,500), Historical Land Use Information (1:10,000) and Ground Stability Data (1:50,000).</p>	
Mining and Natural Cavities Data	1
<p>The Mining and Natural Cavities Data section features data sets related to the existence of mining areas and their potential hazards; 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>	
Historical Land Use Information (1:2,500)	-
<p>The Historical Land Use Information (1:2,500) section contains data captured from analysis carried out by Landmark of 1:1,250 and 1:2,500 scale historical Ordnance Survey mapping, identifying areas where, historically, the land uses were potentially contaminative.</p> <p>For the purpose of this Envirocheck module, only historical data relating to mining and ground stability has been included and plotted on the corresponding Historical Land Use Information (1:2,500) map. This section also includes the Subterranean Features data set, which details various man-made and man-used underground spaces obtained from the Subterranea Britannica society.</p>	
Historical Land Use Information (1:10,000)	2
<p>The Historical Land Use (1:10,000) section covers data captured from the systematic analysis carried out by Landmark of 1:10, 560 and 1:10,000 scale historical Ordnance Survey mapping dating back to the mid-19th century, identifying potentially contaminative past industrial land uses.</p> <p>For the purpose of this Envirocheck module, only data relating to mining and ground stability has been included and plotted on the accompanying Historical Land Use Information (1:10,000) map.</p>	
Ground Stability Data (1:50,000)	3
<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>	
Historical Map List	4
<p>The Historical Map List section details the historical mapping that has been analysed for your site, in relation to the Historical Land Use Information sections.</p>	
Data Currency	5
Data Suppliers	6
Useful Contacts	7

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

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

Report Version v53.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m
Mining and Natural Cavities Data					
BGS Recorded Mineral Sites					
Coal Mining Affected Areas	pg 1	Yes	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	pg 1	Yes	Yes	n/a	n/a
Potential Mining Areas	pg 1		1		
Historical Land Use Information (1:2,500)					
Extractive Industries or Potential Excavations from 1855-1909 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1893-1915 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1906-1937 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1924-1949 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1950-1980 (100m)				n/a	n/a
Subterranean Features (100m)				n/a	n/a
Historical Land Use Information (1:10,000)					
Air Shafts					
Disturbed Ground					
General Quarrying					
Heap, unknown constituents					
Mineral Railway					
Mining & quarrying general					
Mining of coal & lignite					
Quarrying of sand & clay, operation of sand & gravel pits	pg 2				1
Former Marshes					
Potentially Infilled Land (Non-Water)	pg 2				1
Potentially Infilled Land (Water)	pg 2				4
Ground Stability Data (1:50,000)					
CBSCB Compensation District			n/a	n/a	n/a
Brine Pumping Related Features					
Brine Subsidence Solution Area					
Potential for Collapsible Ground Stability Hazards	pg 3	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 3	Yes		n/a	n/a
Potential for Ground Dissolution Stability Hazards	pg 3	Yes		n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 3	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 3	Yes		n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 3	Yes		n/a	n/a
Salt Mining Related Features					

Report Version v53.0

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Coal Mining Affected Areas Description: In an area which may be affected by coal mining activity. It is recommended that a coal mining report is obtained from the Coal Authority. Contact details are included in the Useful Contacts section of this report.	B3SW (E)	0	1	403982 296431
	Non Coal Mining Areas of Great Britain Risk: Highly Unlikely Source: British Geological Survey, National Geoscience Information Service	B3SW (W)	0	3	403925 296423
	Non Coal Mining Areas of Great Britain Risk: Rare Source: British Geological Survey, National Geoscience Information Service	B3SW (S)	9	3	403990 296190
1	Potential Mining Areas Name: Bilston Mill Ceased Operation: 1896 Commodity: Coal; Thick; Heathen Reference: 3559 Alternate Name/Mine: Not Supplied Custodian: Not Supplied	B3SW (S)	122	4	403983 296369

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
2	Quarrying of sand & clay, operation of sand & gravel pits Use: Not Supplied Date of Mapping: 1890	B2NW (W)	814	-	403460 296541
3	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	B2NW (W)	814	-	403460 296541
4	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	B2SW (W)	706	-	403276 296166
5	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	B3NW (N)	749	-	403927 296613
6	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	B2SW (W)	772	-	403429 296414
7	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	B3NW (N)	782	-	404054 296625

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	CBSCB Compensation District The site does not fall within the brine compensation area.				
	Brine Subsidence Solution Area The site does not fall within the brine subsidence solution area.				
8	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B3SW (E)	0	3	403982 296431
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B3SW (E)	0	3	403982 296431
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B3SW (E)	0	3	403982 296431
9	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B3SW (E)	0	3	403982 296431
10	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	B3SW (S)	0	3	403990 296190
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B3SW (E)	0	3	403982 296431
11	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B3SW (W)	0	3	403946 296438
12	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(S)	0	3	403960 296021
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B3SW (E)	0	3	403982 296431








No Historical Land Use information available.

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

1:10,560	Mapsheets	Published Date
Staffordshire	063_NE	1889
Staffordshire	063_SE	1890
Staffordshire	063_NE	1903
Staffordshire	063_SE	1903
Staffordshire	063_NE	1920
Staffordshire	063_SE	1920
Staffordshire	063_NE	1938
Staffordshire	063_SE	1938
Ordnance Survey Plan	SP09NE	1955
Ordnance Survey Plan	SP09NW	1955
1:10,000	Mapsheets	Published Date
Ordnance Survey Plan	SP09NE	1991
Ordnance Survey Plan	SP09NW	1992

Mining and Cavities Data	Version	Update Cycle
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	June 2023	Bi-Annually
Coal Mining Affected Areas The Coal Authority - Property Searches	February 2023	Annual Rolling Update
Man Made Mining Cavities Stantec UK Ltd	December 2022	Bi-Annually
Mining Instability Ove Arup & Partners	June 1998	Not Applicable
Natural Cavities Stantec UK Ltd	December 2022	Bi-Annually
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Historical Land Use Information (1:2,500)	Version	Update Cycle
Subterranean Features Landmark Information Group Limited	July 2023	Bi-Annually
Ground Stability Data (1:50,000)	Version	Update Cycle
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB) Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011 November 2020	As notified
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	April 2020	As notified
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Brine Subsidence Solution Area Johnson Poole & Bloomer	December 2020	

A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	
British Geological Survey	 British Geological Survey <small>NATURAL ENVIRONMENT RESEARCH COUNCIL</small>
The Coal Authority	
Ove Arup	
Stantec UK Ltd	
Wardell Armstrong	
Johnson Poole & Bloomer	

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

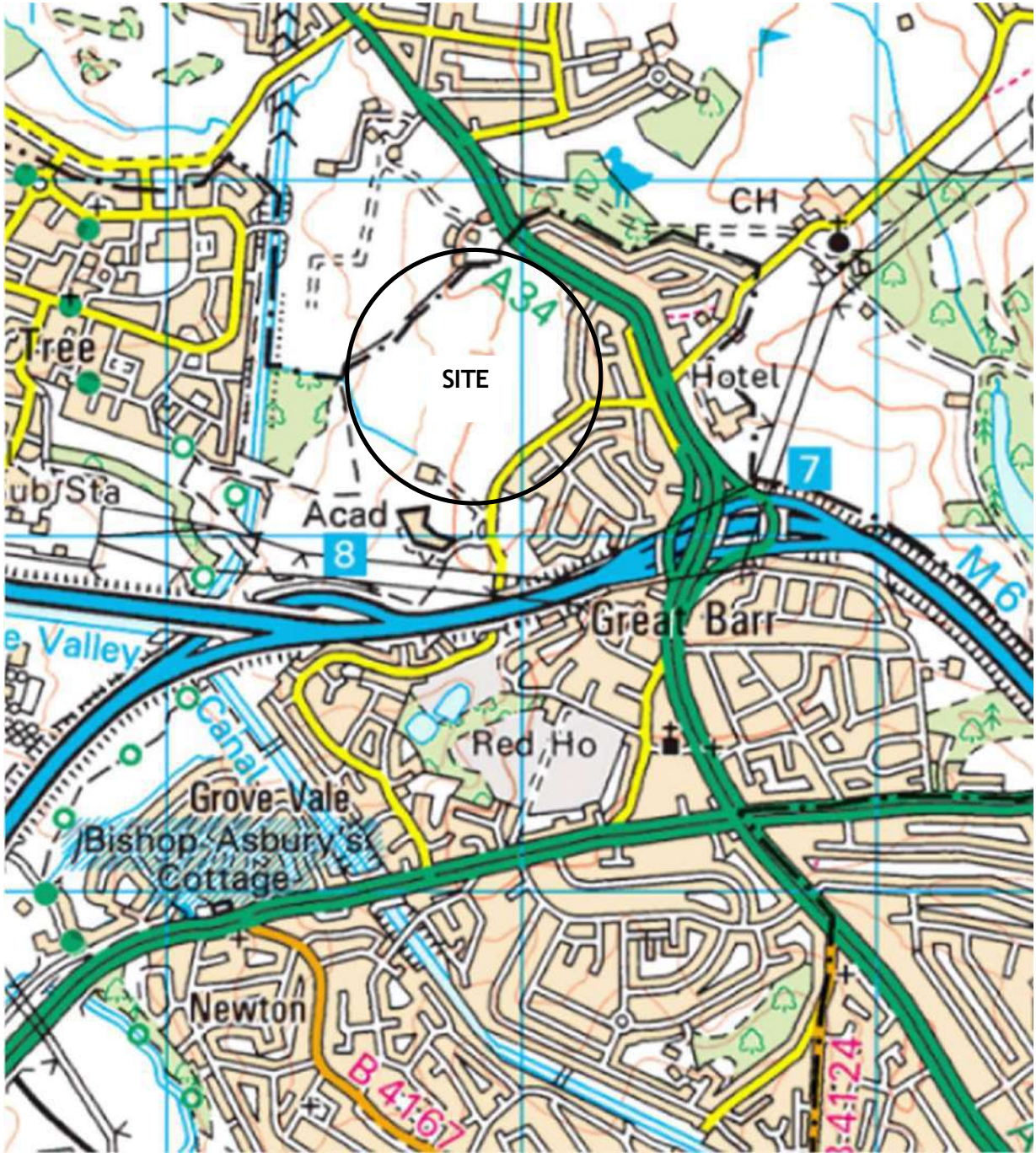


DRAWINGS

CGM/00191-DR/01 - Site Location Plan

FPCR 09364-FPCR_XX_ZZ_DR_L-0010-P11 – Proposed Development Framework Plan

FPCR 09364-FPCR_XX_ZZ_DR_L-0012-P07 – Proposed Illustrative Masterplan



Client:
Wain Estates (Land) Ltd

Project: Land West of Birmingham Road, Great Barr, West Midlands.

Drawing No:
CGM/00191-DR/01

Title:
Site Location Plan

Date:
August 2023

NOTES

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N
Q
Key

- R Site Boundary 27.00Ha
- Proposed Residential Development 3.91Ha
- Proposed Green Infrastructure 23.09Ha
(includes indicative roads crossing green infrastructure)
- Indicative main vehicular routes
- Proposed Relocated Beacon Way
- Proposed segregated cycle link
- Proposed LEAP Play Area with 20m offset
- Proposed attenuation features
- Proposed vehicular access
- Proposed pedestrian / cycle access
- @ Proposed emergency/ cycle access
- * Existing vegetation
- * Existing Pond/ Watercourse
- E Existing Public Right of Way/ footpath
- J Existing contours

rev	date	description	dm	chk
PDB	31/08/2023	Key amended to client comments	OWB	KMN

- masterplanning
- environmental assessment
- landscape design
- urban design
- ecology
- architecture
- arboriculture

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e: mail@fpcr.co.uk
w: www.fpcr.co.uk

client
Wain Estates

project
**Land north of Wilderness Lane,
Great Barr, Birmingham**

drawing title
Development Framework Plan

scale	1:2000@A2	drawn by	OWB	checked by	KMN	date created	27 JULY 2023
project number	9364	status	S1	sheet	P08		

document number
09364-FPCR-XX-ZZ-DR-L-0010



03 Academy Great Barr