

General

Specified Site

Specified Buffer(s)

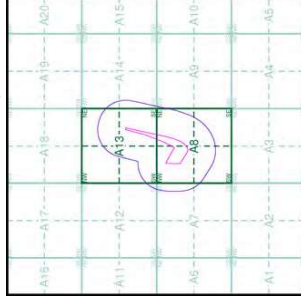
Bearing Reference Point

Estimated Soil Chemistry Arsenic

Arsenic Concentrations mg/kg



Estimated Soil Chemistry Arsenic - Slice A



Order Details

Order Details:
302954152_1_1
Customer Ref: D42153
National Grid Reference: 440720, 294400

Site:
A

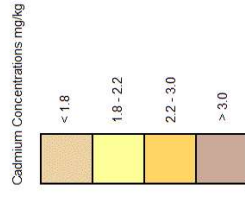
Site Area (Ha):
4.18

Search Buffer (m):
250

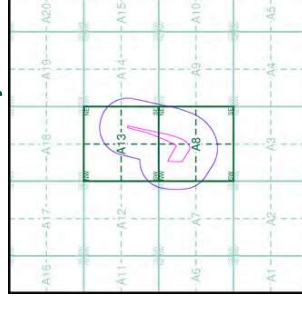
Site Details

Hinckley Phase 4

Estimated Soil Chemistry Cadmium



Estimated Soil Chemistry Cadmium - Slice A



Order Details

Order Details: 302954152_1_1
Customer Ref: D42153
National Grid Reference: 440720, 294400

Slice: A

Site Area (Ha): 4.18

Site Details

Site Details

Hinckley Phase 4

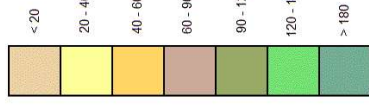


General

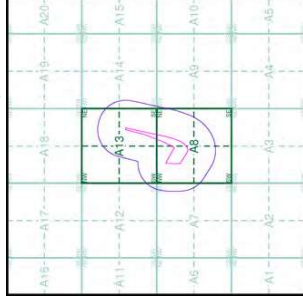
- Specified Site Specified Buffer(s) Bearing Reference Point

Estimated Soil Chemistry Chromium

Chromium Concentrations mg/kg



Estimated Soil Chemistry Chromium - Slice A



Order Details

Order Details:
302954152_1_1
Customer Ref: D42153
National Grid Reference: 440720, 294400
Slice: A
Site Area (Ha): 4.18
Search Buffer (m): 250

Site Details

Hinckley Phase 4



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

General

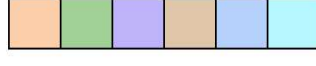
Specified Site

Specified Buffer(s)

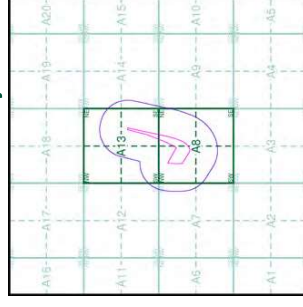
Bearing Reference Point

Estimated Soil Chemistry Lead

Lead Concentrations mg/kg



Estimated Soil Chemistry Lead - Slice A



Order Details

Order Details: 302954152_1_1
Customer Ref: D42153
National Grid Reference: 440720, 294400

Site: A
Site Area (Ha): 4.18
Search Buffer (m): 250

Site Details

Hinckley Phase 4

General

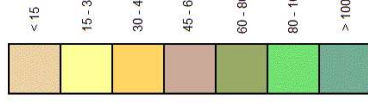
Specified Site

Specified Buffer(s)

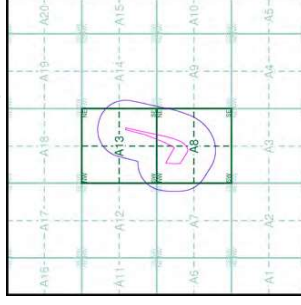
Bearing Reference Point

Estimated Soil Chemistry Nickel

Nickel Concentrations mg/kg



Estimated Soil Chemistry Nickel - Slice A

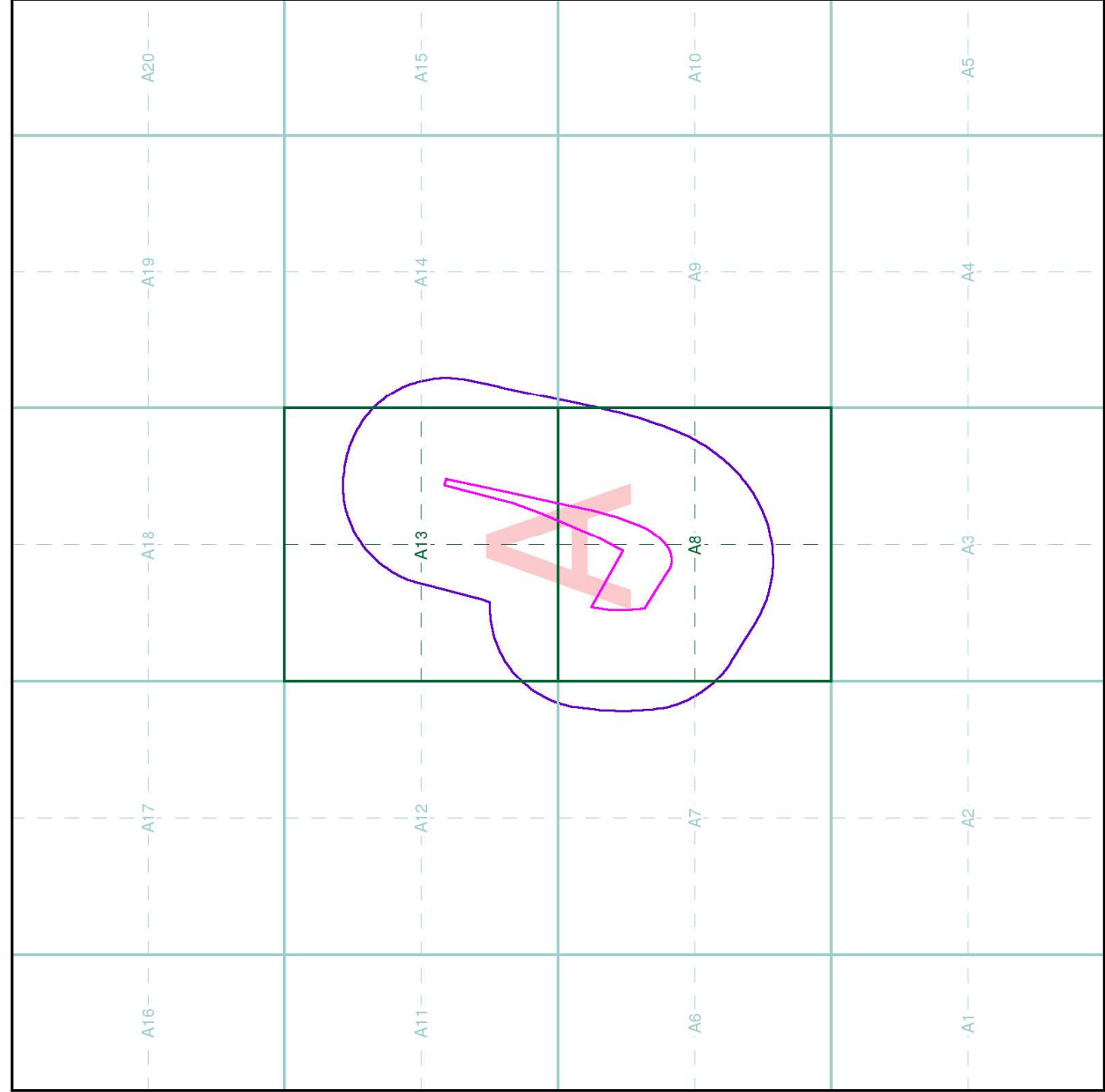


Order Details

Order Details:
302954152_1_1
Customer Ref: D42153
National Grid Reference: 440720, 294400
Slice: A
Site Area (Ha): 4.18
Search Buffer (m): 250

Site Details

Hinckley Phase 4



GeoDyne

Index Map

For ease of identification, your site and buffer have been split into Slices, Segments and Quadrants. These are illustrated on the Index Map opposite and explained further below.

Slice

Each slice represents a 1:10,000 plot area (2.7km x 2.7km) for your site and buffer. A large site and buffer may be made up of several slices (represented by a red outline) that are referenced by letters of the alphabet, starting from the bottom left corner of the slice "grid". This grid does not relate to National Grid lines but is designed to give best fit over the site and buffer.

Segment

A segment represents a 1:2,500 plot area. Segments that have plot files associated with them are shown in dark green, others in light blue. These are numbered from the bottom left hand corner within each slice.

Quadrant

A quadrant is a quarter of a segment. These are labelled as NW, NE, SW, SE and are referenced in the datasheet to allow features to be quickly located on plots. Therefore a feature that has a quadrant reference of A7NW will be in Slice A, Segment 7 and the NW Quadrant.

A selection of organisations who provide data within this report:



NATURAL ENVIRONMENT RESEARCH COUNCIL



Envirocheck reports are compiled from 136 different sources of data.

Client Details

Mr J Hollands, GeoDyne Ltd, Clarendon House, Clarendon Business Park, Clumber Avenue, Nottingham, NG5 1AH

Order Details

Order Number: 302954152_1_1
Customer Ref: D42153
National Grid Reference: 440690, 294310
Site Area (Ha): 4.18
Search Buffer (m): 250

Site Details

Hinckley Phase 4

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<http://www.landmarkinfo.co.uk/terms/Show/515>



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

Envirocheck[®] Report:

Mining and Ground Stability Datasheet

Order Details:

Order Number:

302954152_1_1

Customer Reference:

D42153

National Grid Reference:

440720, 294400

Slice:

A

Site Area (Ha):

4.18

Search Buffer (m):

250

Site Details:

Hinckley Phase 4

Client Details:

Mr J Hollands
GeoDyne Ltd
Clarendon House
Clarendon Business Park
Clumber Avenue
Nottingham
NG5 1AH

Report Section and Details	Page Number
Summary	-
The Summary section provides an overview of the data contained within the report, detailing the number of data set features or the existence of a data set in relation to the buffer selected. For ease of reference, the report is broken down into 4 sections of data; Mining and Natural Cavities Data, Historical Land Use Information (1:2,500), Historical Land Use Information (1:10,000) and Ground Stability Data (1:50,000).	
Mining and Natural Cavities Data	-
The Mining and Natural Cavities Data section features data sets related to the existence of mining areas and their potential hazards; and details of naturally formed cavities. Data sets within this section are not plotted, with the exception of BGS Recorded Mineral Sites and Potential Mining Areas which feature on the Historical Land Use Information (1:10,000) map.	
Historical Land Use Information (1:2,500)	1
The Historical Land Use Information (1:2,500) section contains data captured from analysis carried out by Landmark of 1:1,250 and 1:2,500 scale historical Ordnance Survey mapping, identifying areas where, historically, the land uses were potentially contaminative. For the purpose of this Envirocheck module, only historical data relating to mining and ground stability has been included and plotted on the corresponding Historical Land Use Information (1:2,500) map. This section also includes the Subterranean Features data set, which details various man-made and man-used underground spaces obtained from the Subterranea Britannica society.	
Historical Land Use Information (1:10,000)	-
The Historical Land Use (1:10,000) section covers data captured from the systematic analysis carried out by Landmark of 1:10, 560 and 1:10,000 scale historical Ordnance Survey mapping dating back to the mid-19th century, identifying potentially contaminative past industrial land uses. For the purpose of this Envirocheck module, only data relating to mining and ground stability has been included and plotted on the accompanying Historical Land Use Information (1:10,000) map.	
Ground Stability Data (1:50,000)	2
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.	
Historical Map List	3
The Historical Map List section details the historical mapping that has been analysed for your site, in relation to the Historical Land Use Information sections.	
Data Currency	4
Data Suppliers	5
Useful Contacts	6

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

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	Extractive Industries or Potential Excavations from 1950-1980 Use: Pond First Map Published 1963 Date: Last Map Published N/A Date:	A13SE (N)	46	-	440837 294748
2	Extractive Industries or Potential Excavations from 1950-1980 Use: Pond First Map Published 1963 Date: Last Map Published N/A Date:	A13SE (NE)	72	-	440902 294556

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	CBCSB 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.				
3	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A8NE (NW)	0	1	440717 294402
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (N)	0	1	440705 294528
4	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A8NE (NW)	0	1	440717 294402
5	Potential for Compressible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (NE)	60	1	440954 294672
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (NE)	35	1	440889 294718
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A8NE (NW)	0	1	440717 294402
6	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A8NE (NW)	0	1	440717 294402
7	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (NE)	43	1	440917 294658
8	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (N)	0	1	440705 294528
9	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (NE)	35	1	440954 294672
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A8NE (NW)	0	1	440717 294402
10	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (N)	0	1	440705 294528
11	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A8NE (NW)	0	1	440717 294402
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (NE)	35	1	440954 294672

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

1:2,500	Mapsheet	Published Date
Ordnance Survey Plan	SP4093	1963
Ordnance Survey Plan	SP4094	1963
Ordnance Survey Plan	SP4094	1963
Ordnance Survey Plan	SP4095	1963
Ordnance Survey Plan	SP4195	1963

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

1:10,560	Mapsheet	Published Date
Warwickshire	011_NE	1889
Warwickshire	011_NW	1891
Warwickshire	011_NW	1904
Leicestershire	042_NE	1904
Leicestershire	042_NW	1904
Leicestershire	042_NE	1925
Leicestershire	042_NW	1925
Warwickshire	011_NW	1938
Leicestershire	042_NE	1938
Leicestershire	042_NW	1938
Ordnance Survey Plan	SP39NE	1955
Ordnance Survey Plan	SP39SE	1955
Ordnance Survey Plan	SP49NW	1955
Ordnance Survey Plan	SP49SW	1955
1:10,000	Mapsheet	Published Date
Ordnance Survey Plan	SP49NW	1980
Ordnance Survey Plan	SP49SW	1984
Ordnance Survey Plan	SP39NE	1989
Ordnance Survey Plan	SP39SE	1994

Mining and Cavities Data	Version	Update Cycle
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	May 2022	Bi-Annually
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	Annual Rolling Update
Man Made Mining Cavities Stantec UK Ltd	December 2021	Bi-Annually
Mining Instability Ove Arup & Partners	June 1998	Not Applicable
Natural Cavities Stantec UK Ltd	December 2021	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	June 2022	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	Annual Rolling Update

A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	
British Geological Survey	 British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL
The Coal Authority	
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
-	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

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 | | |

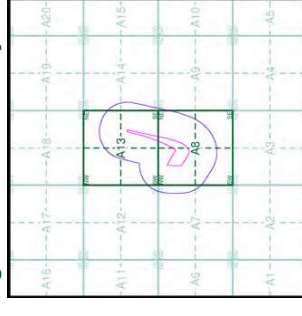
Historical Land Use

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

Mining Data

- Potential Mining Area
- BCS Recorded Mineral Site

Mining and Ground Stability - Slice A



Order Details

Order Number: 302954152_1_1
 Customer Ref: D42153
 National Grid Reference: 440720, 294400
 Slice: A
 Site Area (Ha): 4.18
 Search Buffer (m): 250

Site Details

Hinckley Phase 4





Ground Stability Data (1:50,000)

General

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

Potential for Compressible Ground Stability Hazards

- High
- Moderate
- Low
- Very Low

Potential for Collapsible Ground Stability Hazards

- High
- Moderate
- Low
- Very Low

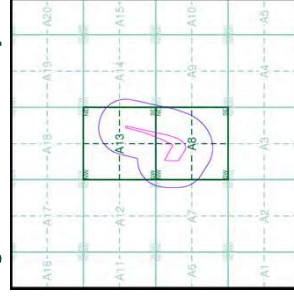
Brine Pumping and Salt Mining

- Brine Pumping Related Feature
- Salt Mining Related Feature

Point

- Point
- Polygon

Mining and Ground Stability - Slice A

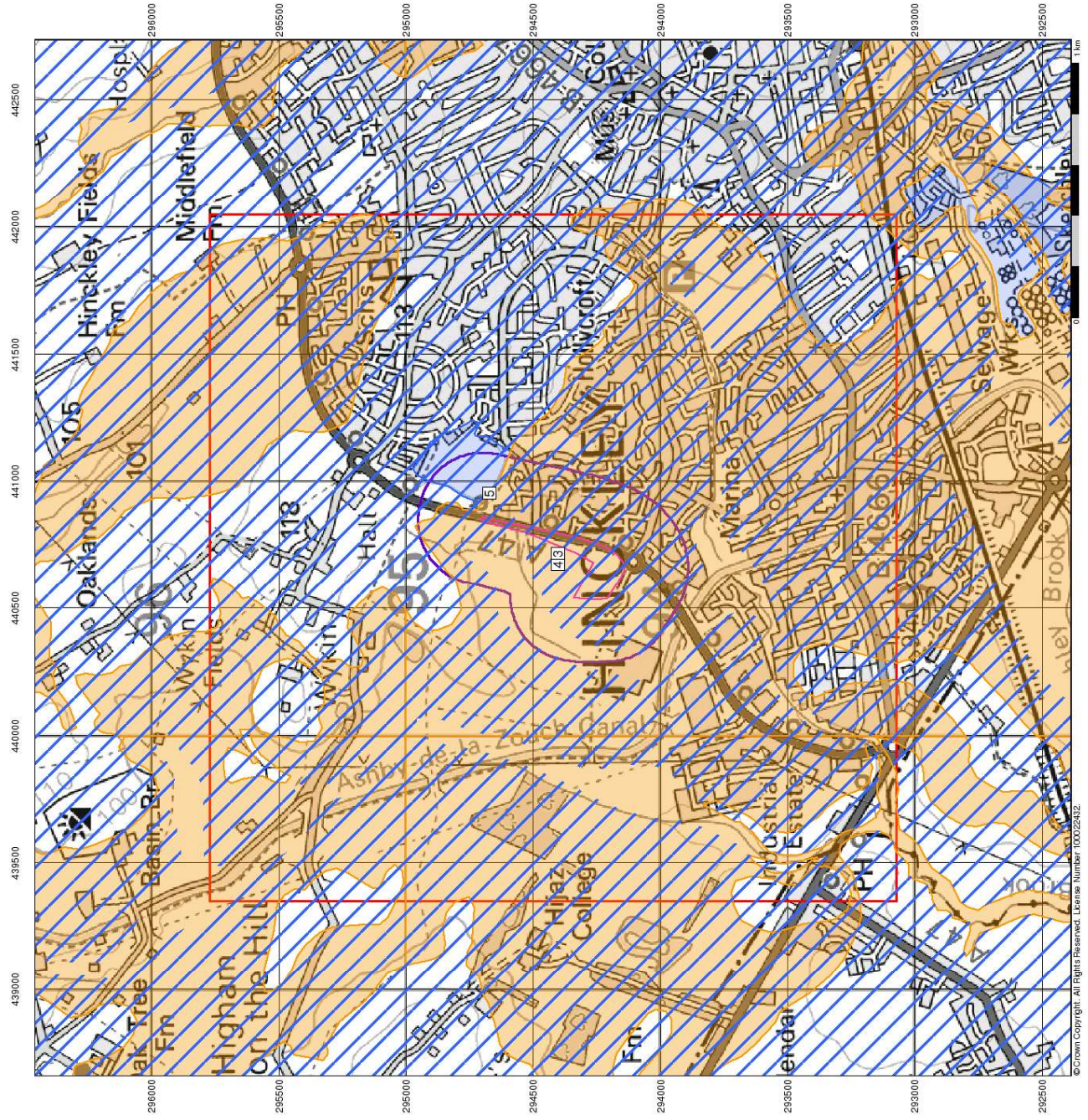


Order Details

Order Number: 302954152_1_1
Customer Ref: D42153
National Grid Reference: 440720, 294400
Slice: A
Site Area (Ha): 4.18
Search Buffer (m): 250

Site Details

Hinckley Phase 4





Ground Stability Data (1:50,000)

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

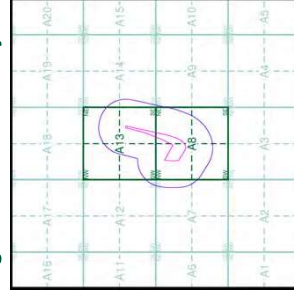
Potential for Landslide Ground Stability Hazards

High Moderate
Low Very Low

Potential for Ground Dissolution Stability Hazards

High Moderate
Low Very Low

Mining and Ground Stability - Slice A

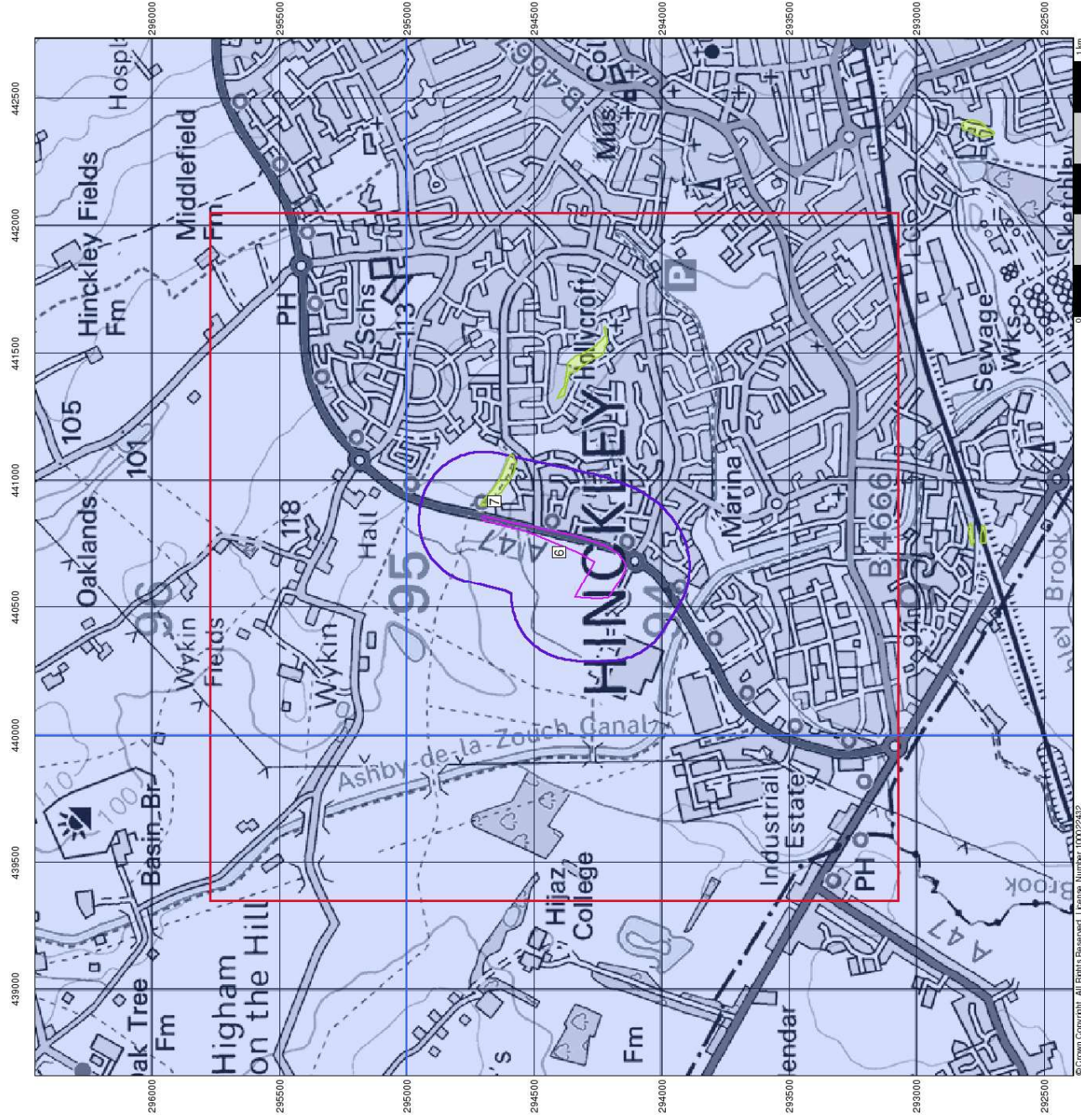


Order Details

Order Number: 302954152_1_1
Customer Ref: D42153
National Grid Reference: 440720, 294400
Slice: A
Site Area (Ha): 4.18
Search Buffer (m): 250

Site Details

Hinckley Phase 4



Tel: 0844 844 9852
Fax: 0844 844 9851
Web: www.landrmark.co.uk



Ground Stability Data (1:50,000)

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

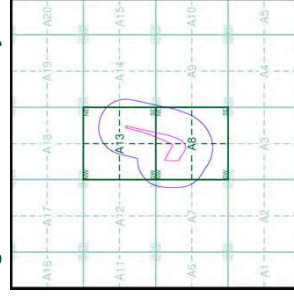
Potential for Running Sand Ground Stability Hazards

High Moderate
Low Very Low

Potential for Shrinking or Swelling Clay Ground Stability Hazards

High Moderate
Low Very Low

Mining and Ground Stability - Slice A

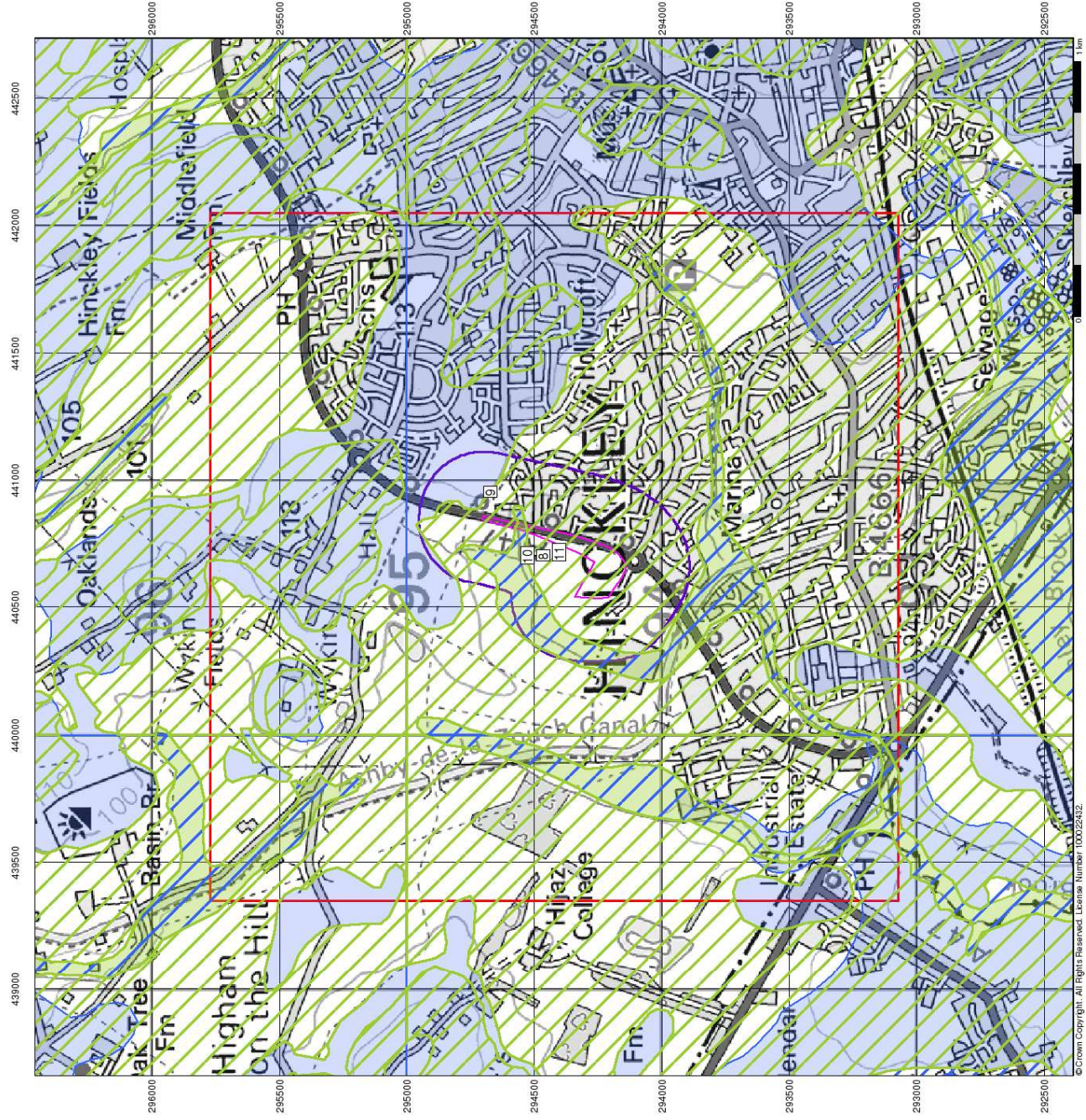


Order Details

Order Number: 302954152_1_1
Customer Ref: D42153
National Grid Reference: 440720, 294400
Slice: A
Site Area (Ha): 4.18
Search Buffer (m): 250

Site Details

Hinckley Phase 4



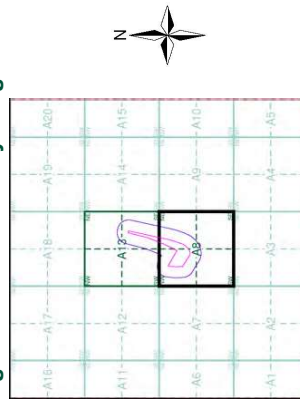
General

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

Potentially Contaminative Industrial Uses
(Extractive Industries Activity)

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Mining and Ground Stability - Segment A8



Order Details

Order Details
 Order Number: 302954152_1_1
 Customer Ref: D42153
 National Grid Reference: 440720 294400

Slice: A

Site Area (Ha): 4.18

Site Details

Site Details

Hinckley Phase 4

APPENDIX VII

**Exploratory Hole Location Plan
(Figure No. D42153/04)**