

10k Raster Mapping

Published 2006

Source map scale - 1:10,000

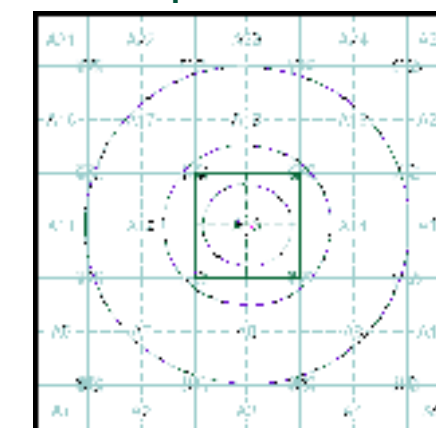
The historical maps shown were produced from the Ordnance Survey's 1:10,000 colour raster mapping. These maps are derived from Landplan which replaced the old 1:10,000 maps originally published in 1970. The data is highly detailed showing buildings, fences and field boundaries as well as all roads, tracks and paths. Road names are also included together with the relevant road number and classification. Boundary information depiction includes county, unitary authority, district, civil parish and constituency.

Map Name(s) and Date(s)

TQ28N15	TQ28N16
2006	2006
1:10,000	1:10,000

TQ28N14	TQ28N17
2006	2006
1:10,000	1:10,000

Historical Map - Slice A



Order Details

Order Number: 142036905_1_1
Customer Ref: 17.08.025/164
National Grid Reference: 525570, 186150
Slice: A
Site Area (Ha): 0.07
Search Buffer (m): 1000

Site Details

79, Redington Road, Hampstead, LONDON, NW3 7RR

VectorMap Local

Published 2017

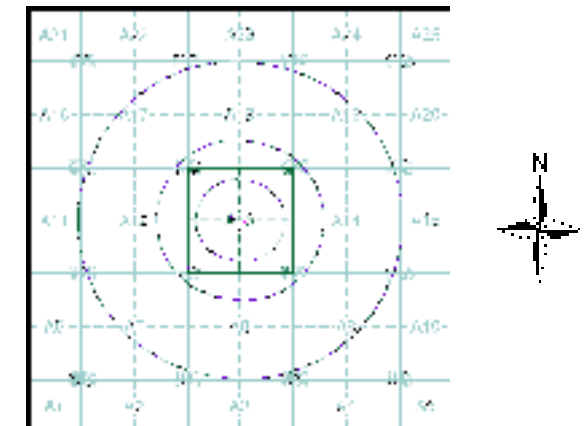
Source map scale - 1:10,000

VectorMap Local (Raster) is Ordnance Survey's highest detailed 'backdrop' mapping product. These maps are produced from OS's VectorMap Local, a simple vector dataset at a nominal scale of 1:10,000, covering the whole of Great Britain, that has been designed for creating graphical mapping. OS VectorMap Local is derived from large-scale information surveyed at 1:1250 scale (covering major towns and cities), 1:2500 scale (smaller towns, villages and developed rural areas), and 1:10 000 scale (mountain, moorland and river estuary areas).

Map Name(s) and Date(s)

1000000	1000000
2500	2500
Variable	Variable
1000000	1000000
2500	2500
Variable	Variable

Historical Map - Slice A



Order Details

Order Number: 142036905_1_1
Customer Ref: 17.08.025/164
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Site Details

79, Redington Road, Hampstead, LONDON, NW3 7RR

Envirocheck[®] Report:

Mining and Ground Stability Datasheet

Order Details:

Order Number:

142036905_1_1

Customer Reference:

17.08.025/164

National Grid Reference:

525570, 186150

Slice:

A

Site Area (Ha):

0.07

Search Buffer (m):

1000

Site Details:

79, Redington Road

Hampstead

LONDON

NW3 7RR

Client Details:

Mr D Lusardi

Listers Geotechnical Consultants Ltd

Slapton Hill Barn

Blakesley Road

Slapton

Towcester

Northants

NN12 8QD

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	-
<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)	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>	
Ground Stability Data (1:50,000)	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>	
Motion Map Data (1:2,500)	4
<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>	
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	7
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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.

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			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					
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					
Former Marshes					
Potentially Infilled Land (Non-Water)	pg 1		1		
Potentially Infilled Land (Water)	pg 1				5

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m
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 2	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 2	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	Yes	n/a	n/a
Salt Mining Related Features					
Subsidence Insurance Claims	pg 3		2	n/a	n/a
Subsidence Investigations	pg 2		9	n/a	n/a
Motion Map Data (1:2,500)					
Motion Map (100m)	pg 4	1	21	n/a	n/a

Report Version v53.0

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1996	A13SW (W)	243	-	525300 186096
2	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1896	A8NE (S)	546	-	525731 185613
3	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1896	A17SE (NW)	677	-	525015 186587
4	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1873	A18NW (N)	693	-	525492 186852
5	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1896	A18NW (N)	823	-	525342 186960
6	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1896	A11SE (W)	988	-	524550 186100

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.				
7	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	0	1	525568 186151
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	0	1	525568 186151
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	0	1	525568 186151
8	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	0	1	525568 186151
9	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	153	1	525386 186171
10	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	0	1	525568 186151
11	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	34	1	525561 186113
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	234	1	525588 185909
12	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	34	1	525561 186113
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	0	1	525568 186151
	Subsidence Investigations Site Investigation 24th May 2001 Date: Root Survey: No CCTV Drain Survey: No Depth of Foundation Not Supplied Footing: Soil Classification: Not Supplied			-	
	Subsidence Investigations Site Investigation 7th December 2006 Date: Root Survey: Yes CCTV Drain Survey: No Depth of Foundation 0.94 Footing: Soil Classification: Clay of Extremely High Plasticity			-	
	Subsidence Investigations Site Investigation 12th December 2014 Date: Root Survey: Yes CCTV Drain Survey: No Depth of Foundation 1.2 Footing: Soil Classification: Clay of High Plasticity			-	
	Subsidence Investigations Site Investigation 14th January 2014 Date: Root Survey: Yes CCTV Drain Survey: No Depth of Foundation 1.15 Footing: Soil Classification: Clay of High Plasticity			-	

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Subsidence Investigations Site Investigation 27th February 2001 Date: Root Survey: Yes CCTV Drain Survey: No Depth of Foundation Not Supplied Footing: Soil Classification: Not Supplied			-	
	Subsidence Investigations Site Investigation 16th December 2006 Date: Root Survey: Yes CCTV Drain Survey: No Depth of Foundation 0.02 Footing: Soil Classification: Clay of Intermediate Plasticity			-	
	Subsidence Investigations Site Investigation 26th June 2007 Date: Root Survey: No CCTV Drain Survey: No Depth of Foundation 1.2 Footing: Soil Classification: Clay of High Plasticity			-	
	Subsidence Investigations Site Investigation 16th January 2004 Date: Root Survey: Yes CCTV Drain Survey: No Depth of Foundation 0.55 Footing: Soil Classification: Clay of High Plasticity			-	
	Subsidence Investigations Site Investigation 26th September 2006 Date: Root Survey: Yes CCTV Drain Survey: Yes Depth of Foundation 0.62 Footing: Soil Classification: Clay of High Plasticity			-	
	Subsidence Insurance Claims Case Date: 9th December 2014 Movement Trend Not Supplied Indication: Damage Not Supplied Classification:			-	
	Subsidence Insurance Claims Case Date: 27th September 2006 Movement Trend Active cyclical movement of up to 5mm Indication: Damage Category 2 - up to 5mm Classification:			-	

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
13	Motion Map Average Velocity -0.2 Gradient (mmyear):	A13SE (SE)	0	-	525578 186146
14	Motion Map Average Velocity -0.5 Gradient (mmyear):	A13NE (NE)	11	-	525593 186163
15	Motion Map Average Velocity 0.1 Gradient (mmyear):	A13SE (SE)	15	-	525580 186129
16	Motion Map Average Velocity -0.5 Gradient (mmyear):	A13NW (W)	26	-	525517 186170
16	Motion Map Average Velocity 0.0 Gradient (mmyear):	A13NW (W)	26	-	525514 186166
16	Motion Map Average Velocity -0.1 Gradient (mmyear):	A13NW (W)	30	-	525513 186171
17	Motion Map Average Velocity 0.3 Gradient (mmyear):	A13NW (NW)	40	-	525511 186187
17	Motion Map Average Velocity -0.2 Gradient (mmyear):	A13NW (NW)	42	-	525512 186191
18	Motion Map Average Velocity 0.0 Gradient (mmyear):	A13SW (SW)	52	-	525509 186107
18	Motion Map Average Velocity -0.4 Gradient (mmyear):	A13SW (SW)	53	-	525507 186107
18	Motion Map Average Velocity -0.6 Gradient (mmyear):	A13SW (SW)	57	-	525504 186104
18	Motion Map Average Velocity -0.5 Gradient (mmyear):	A13SW (SW)	59	-	525500 186104
18	Motion Map Average Velocity -0.6 Gradient (mmyear):	A13SW (SW)	62	-	525500 186100
19	Motion Map Average Velocity -0.2 Gradient (mmyear):	A13NW (NW)	60	-	525501 186206
20	Motion Map Average Velocity -0.4 Gradient (mmyear):	A13NE (NE)	72	-	525639 186211
20	Motion Map Average Velocity -0.3 Gradient (mmyear):	A13NE (NE)	76	-	525640 186215
21	Motion Map Average Velocity -0.7 Gradient (mmyear):	A13NW (W)	78	-	525459 186153
22	Motion Map Average Velocity 0.2 Gradient (mmyear):	A13SE (S)	90	-	525600 186053
22	Motion Map Average Velocity -0.1 Gradient (mmyear):	A13SE (S)	93	-	525596 186049
22	Motion Map Average Velocity 0.0 Gradient (mmyear):	A13SE (S)	94	-	525599 186049

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
23	Motion Map Average Velocity 0.3 Gradient (mmyear):	A13SW (W)	93	-	525452 186110
24	Motion Map Average Velocity -0.4 Gradient (mmyear):	A13NE (NE)	99	-	525625 186246

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








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

1:10,560	Mapsheet	Published Date
Middlesex	011_00	1873
Middlesex	016_00	1874
London	002_SE	1896
London	006_NE	1896
Middlesex	011_SE	1896
Middlesex	016_NE	1896
London	001_00	1920
London	004_00	1920
London	004_00	1938
Middlesex	011_SE	1938
Ordnance Survey Plan	TQ28NE	1951
Ordnance Survey Plan	TQ28NW	1951
Ordnance Survey Plan	TQ28SE	1951
Ordnance Survey Plan	TQ28SW	1951
1:10,000	Mapsheet	Published Date
Ordnance Survey Plan	TQ28SE	1991
Ordnance Survey Plan	TQ28NW	1993
Ordnance Survey Plan	TQ28NE	1996
Ordnance Survey Plan	TQ28SW	1996

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

Motion Map Data (1:2,500)	Version	Update Cycle
Motion Map		
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	
The Coal Authority	
Ove Arup	
Peter Brett Associates	
Wardell Armstrong	
Johnson Poole & Bloomer	

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

Historical Land Use Information (1:2,500)

General

● Opened 1850-1859 ● Opened 1860-1869 X Being created - H Map 2
- Street or road layout

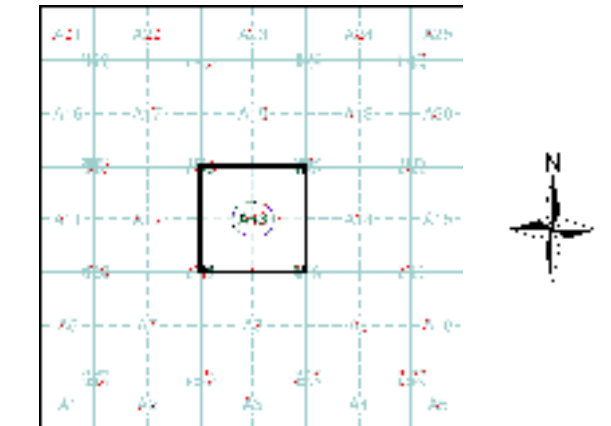
Potentially Contaminative Industrial Uses (Extractive Industries Activity)

	Point	Line	Polygon
Fats (oil) 1850-1859	▲	—	■
Fats (oil) 1860-1869	▲	—	■
Fats (oil) 1870-1879	▲	—	■
Fats (oil) 1880-1889	▲	—	■
Fats (oil) 1890-1899	▲	—	■

Subterranean Features

	Point	Line	Polygon
Subterranean features	▼	---	■

Mining and Ground Stability - Segment A13



Order Details

Order Number: 142036905_1_1
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 National Grid Reference: 525570, 186150
 Slice: A
 Site Area (Ha): 0.07
 Plot Buffer (m): 100

Site Details

79, Redington Road, Hampstead, LONDON, NW3 7RR



Motion Map Data (1:2,500)

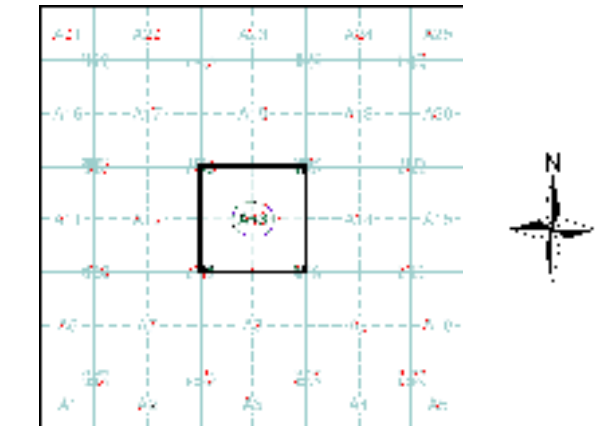
General

● Station A13
 ● Station B100
 ● Station B101
 ● Station B102
 ● Station B103

Average Velocity Gradient

Upward Movement: 1.0mm per year ●
 Upward Movement: 1.0mm to 2.0mm per year ●
 Upward Movement: 2.0mm to 5.0mm per year ●
 Downward Movement: 1.0mm to 2.0mm per year ●
 Downward Movement: 2.0mm to 5.0mm per year ●

Mining and Ground Stability - Segment A13



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Historical Land Use Information (1:10,000)

General

- Street Footway
- Opened Drains
- Earth (Public or Private)
- Canal
- Boundary of Historical Localities

Potentially Contaminative Industrial Uses (Past Land Uses - Mining)

	Point	Line	Polygon
Asbestos			
Asbestos Ground			
Coal Mining			
Deep shaft (incl. shaft top)			
Open Pit			
Open shaft (incl. shaft top)			
Open shaft (incl. shaft top) - Disused			
Open shaft (incl. shaft top) - Operational			

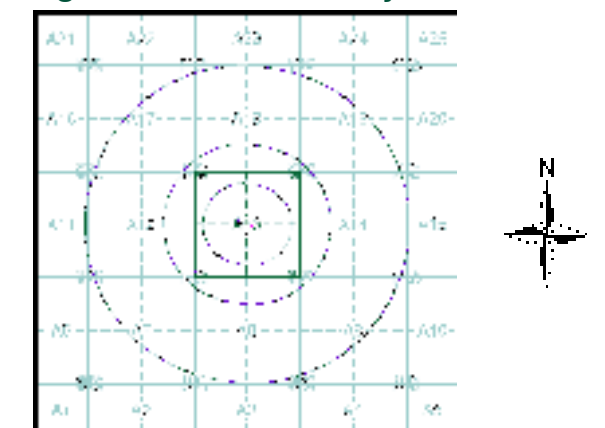
Historical Land Use

	Point	Line	Polygon
Brick - Infill and (incl. top)			
Brick - Infill and (incl. top)			
Coal - Infill			

Mining Data

- Mine Adit - (Area)
- FAS (incl. shaft top)

Mining and Ground Stability - Slice A

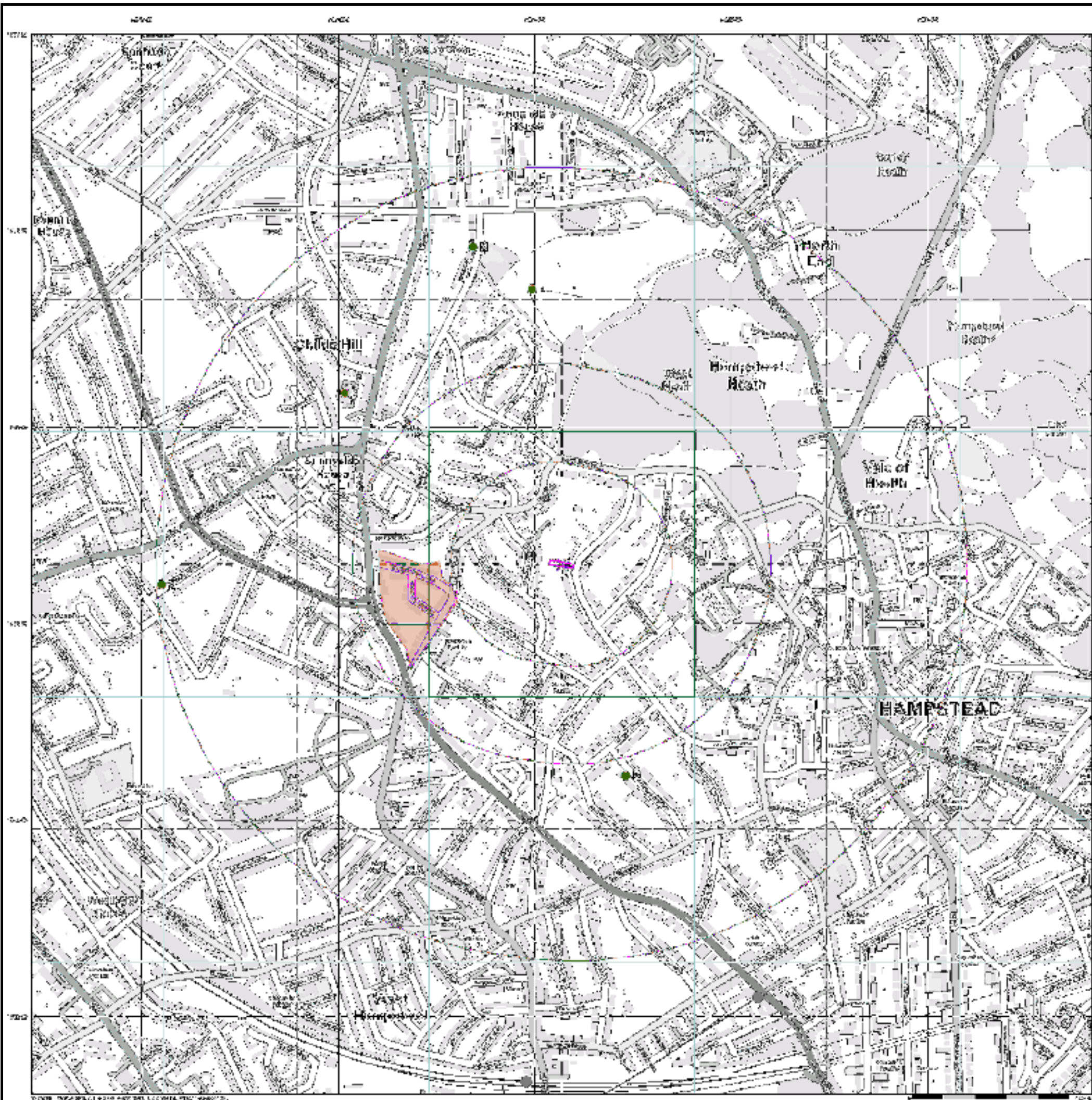


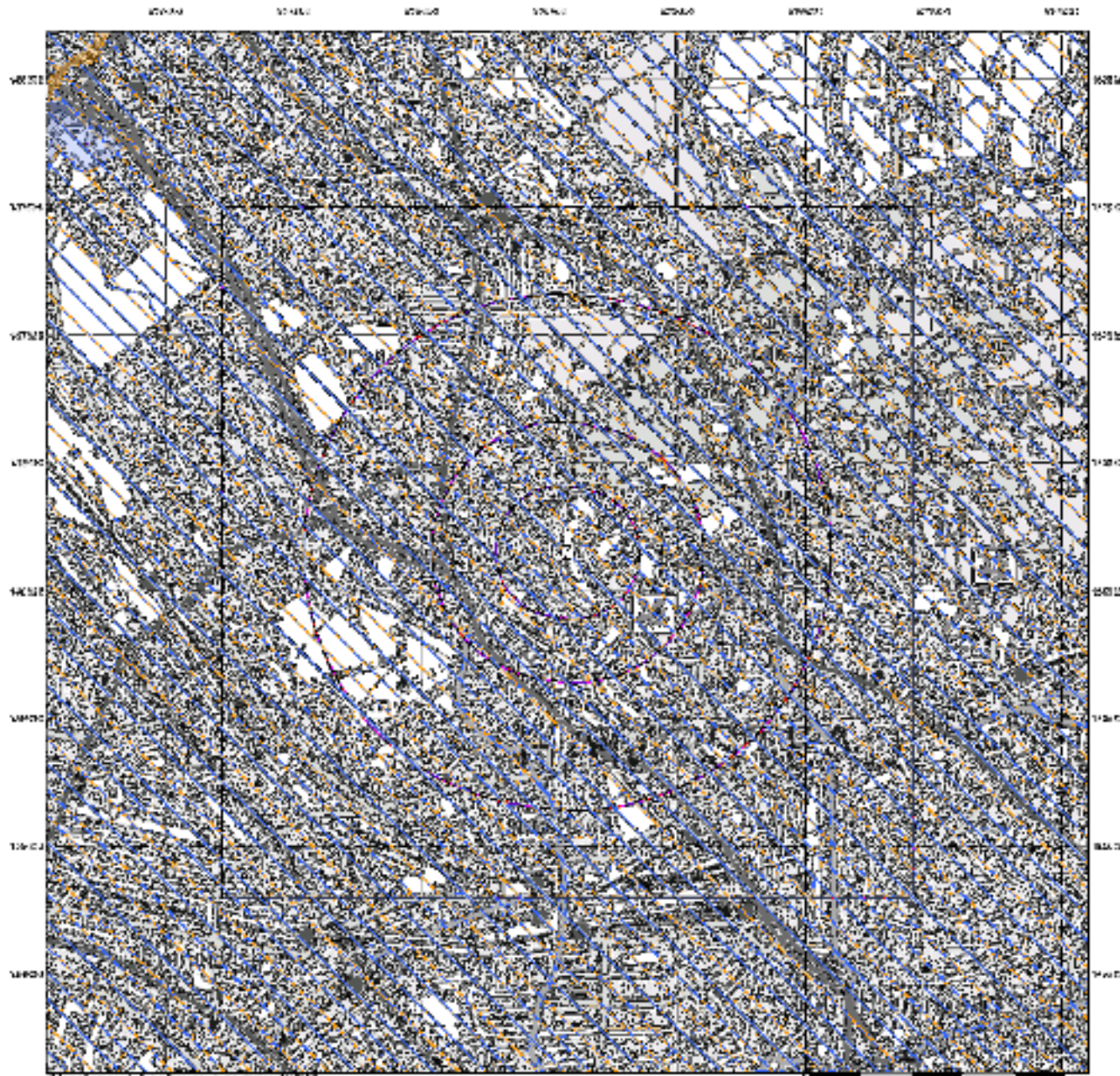
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Envirocheck

LANDMARK INFORMATION GROUP

Ground Stability Data (1:50,000)

General

- ◁ Sandstone ▷ Sandstone X Sandstone
- Clay □ Map 2

Potential for Compressible Ground Stability Hazards

- High Low
- Medium Very Low

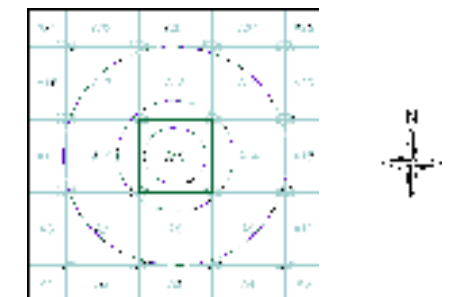
Potential for Collapsible Ground Stability Hazards

- High Low
- Medium Very Low

Brine Pumping and Salt Mining

- Brine Pumping Related Features Point Polygon
- Salt Mining Related Features Point Polygon

Mining and Ground Stability - Slice A



Order Details

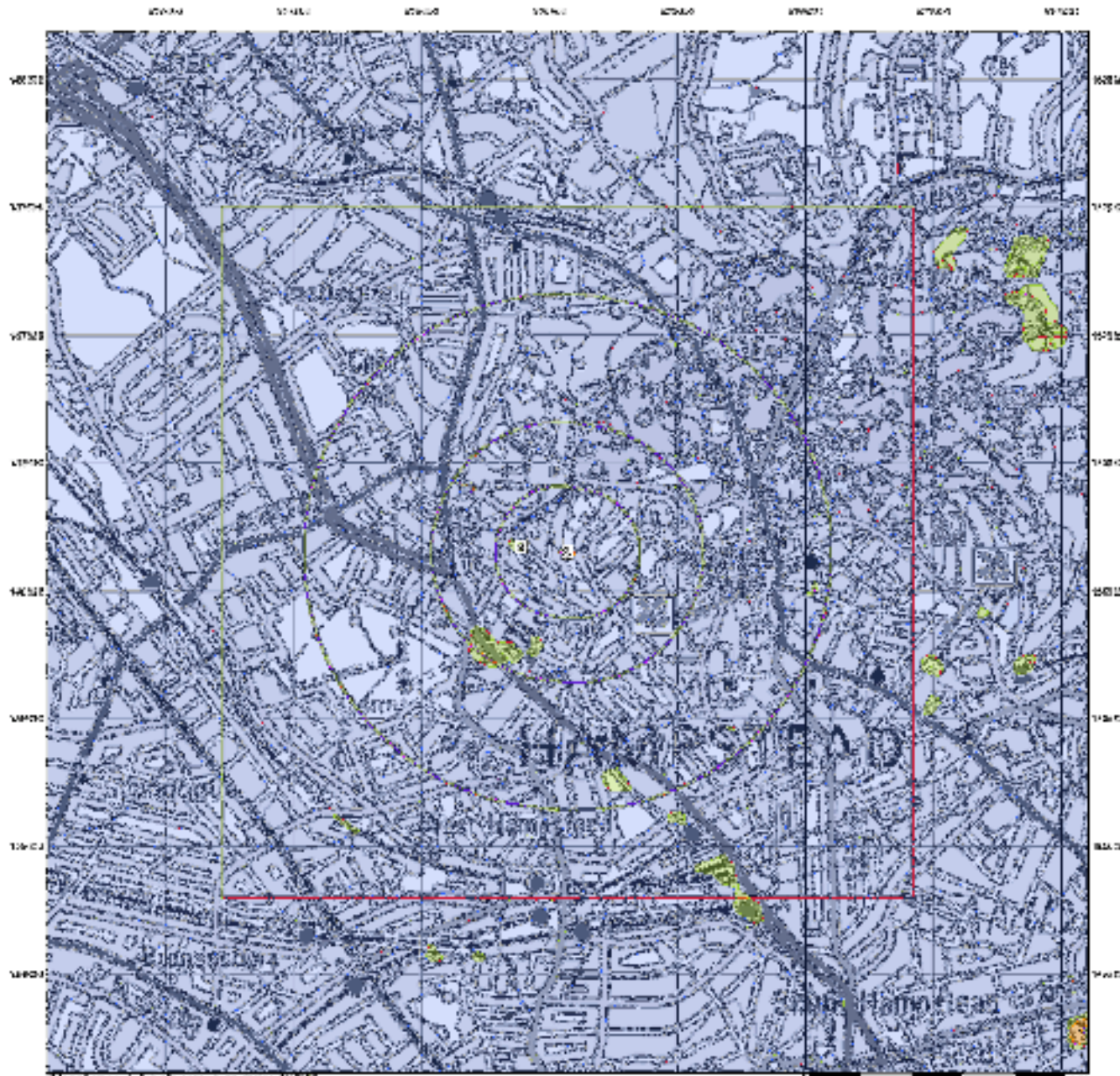
Order Number: 142036905_1_1
 Customer Ref: 17.08.025/164
 National Grid Reference: 525570, 186150
 Slice: A
 Site Area (Ha): 0.07
 Search Buffer (m): 1000

Site Details

79, Redington Road, Hampstead, LONDON, NW3 7RR

Landmark
 LANDMARK INFORMATION GROUP

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



Envirocheck

LANDMARK INFORMATION GROUP

Ground Stability Data (1:50,000)

General

- 0.150m
- 0.150m
- 0.150m
- 0.150m
- 0.150m

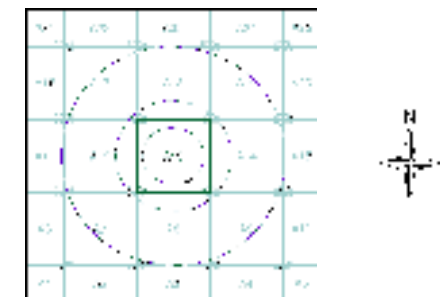
Potential for Landslide Ground Stability Hazards

- High
- Medium
- Low
- Very Low

Potential for Ground Dissolution Stability Hazards

- High
- Medium
- Low
- Very Low

Mining and Ground Stability - Slice A



Order Details

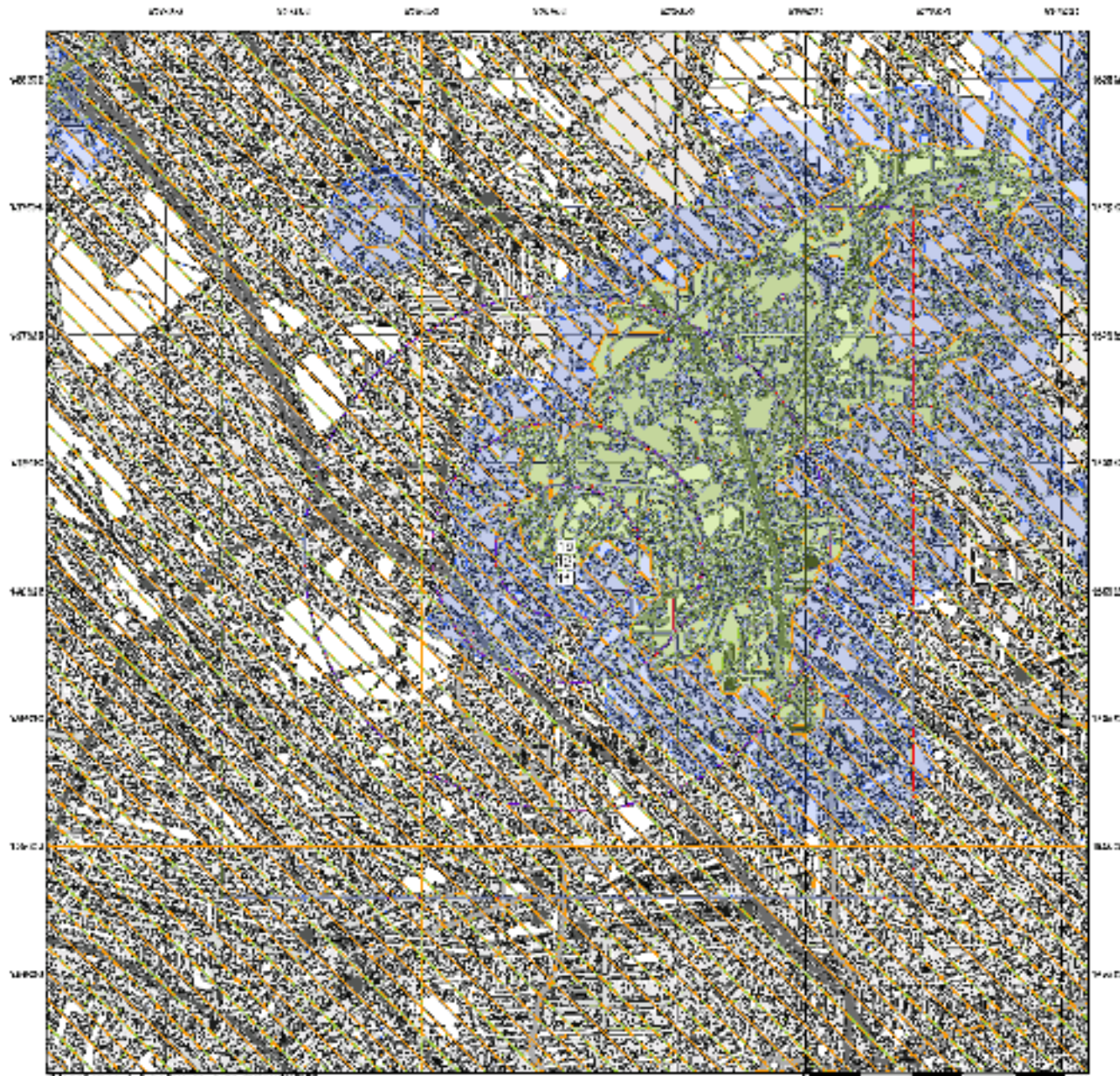
Order Number: 142036905_1_1
 Customer Ref: 17.08.025/164
 National Grid Reference: 525570, 186150
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Ground Stability Data (1:50,000)

General

- Building Footprint
- Road
- Railway
- Watercourse
- Boundary
- Other

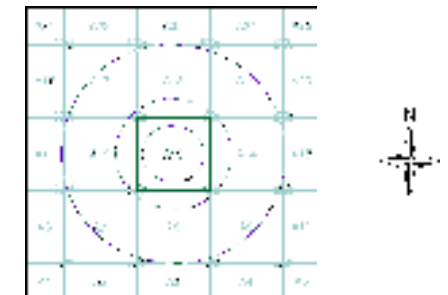
Potential for Running Sand Ground Stability Hazards

- 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

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MACC International Ltd, Camilla Court, Nacton, Ipswich, Suffolk, IP10 0EU, UK

Mr Sandy David
Geotechnical Engineer
Associate

Listers Geotechnical Consultants Ltd

Email 1st Instance: sandy@listersgeotechnics.co.uk

Your Reference:

Our Reference: JM/4913/04

Date: 8th September 2017

Unexploded Ordnance Preliminary Risk Review
79 Redington Road, Hampstead, London NW3 7RR

MACC International Ltd (MACC) has conducted a preliminary risk review for the site footprint. The review has drawn on open source and in-house information, references have been provided where available (See Annex A).

The review has been conducted to provide Listers Geotechnical Engineers with a review of the risk which may be posed by UXO while conducting soil investigations on the site.

This document has been produced in the United Kingdom by MACC International Limited and has been provided solely as an aid in decision making. It is not intended to be used by any person for any purpose other than that specified. Any liability arising out of use by a third party of this document for purposes not wholly connected with the above shall be the responsibility of that party, who shall indemnify MACC International Limited against all claims, costs, damages and losses arising out of such use.

Although the area suffered significant bombing during WWII, no records were found to confirm a bomb strike within the site footprint. Whilst considering the history of the site and the level of post-war development, the following conclusions have been reached:


- It is considered that there is not a credible likelihood of encountering UXO on the site. Consequently, the UXO risk is considered to be LOW within the site boundary.
- Nevertheless, it is recommended that:
 - All site personnel are provided with a UXO Safety Awareness Talk before intrusive works are commenced.

I trust this document has provided you with sufficient information to meet your immediate needs. Should you require anything further, please do not hesitate to contact me.

Yours Sincerely

John Morrison
Operations Manager

Unexploded Ordnance Preliminary Risk Review

<p>Site location</p>	<p>Site Address: 79 Redington Road, Hampstead, London NW3 7RR</p> <p>Grid Reference: 525579, 186148</p> 
<p>Scope of Intended works</p>	<p>Preliminary review of the risk that may be posed by UXO to geotechnical investigations.</p>
<p>History</p>	<p>HAA gun sites were located to the north, east and west of the site to defend against air attack and combat engagements with enemy aircraft did take place.</p>
<p>Wartime History</p>	<p>No records were found to confirm a bomb strike within the site footprint and LCC Bomb Damage Map 27 indicates that property within the site footprint did not suffer damage from enemy bombing. The nearest recorded bomb fell c.a.300m east of the site at Grange Gardens. Consequently, this source of UXO contamination is considered unlikely, but cannot be ruled out entirely.</p>
<p>Unexploded Ordnance (UXO) Finds</p>	<p>No reports were found to indicate that items of UXO have been found within or recovered from the site footprint.</p>
<p>Post War Development</p>	<p>The majority of the site has undergone a limited level of post-war development.</p>