Geology 1:50,000 Maps Legends

Artificial Ground and Landslip

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	WGR	Worked Ground (Undivided)	Void	Not Supplied - Holocene
	MGR	Made Ground (Undivided)	Artificial Deposit	Not Supplied - Holocene

Superficial Geology

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
316336 335333 335333 335333	LASI	Langley Silt Member	Clay and Silt	Not Supplied - Devensian
	LHGR	Lynch Hill Gravel Member	Sand and Gravel	Not Supplied - Wolstonian

Bedrock and Faults

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
**************************************	LC	London Clay Formation	Clay, Silt and Sand	Not Supplied - Ypresian
	CLGB	Claygate Member	Clay, Silt and Sand	Not Supplied - Ypresian
	BGS	Bagshot Formation	Sand	Not Supplied - Ypresian



Geology 1:50,000 Maps

This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:50,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around the site. This mapping may be more up to date than

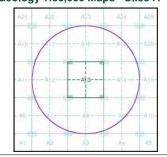
previously published paper maps.

The various geological layers – artificial and landslip deposits, superficial geology and solid (bedrock) geology are displayed in separate maps, but superimposed on the final 'Combined Surface Geology' map. All map legends feature on this page. Not all layers have complete nationwide coverage, so availability of data for relevant map sheets is indicated below.

Geology 1:50,000 Maps Coverage

Map ID: Map Sheet No: Map Name: Map Date: 256 North London 2006 Available Available Bedrock Geology: Superficial Geology: Artificial Geology: Faults: Landslip: Not Supplied Not Supplied Rock Segments:

Geology 1:50,000 Maps - Slice A





Order Details:

Order Number: 271940013_1_1 J21011 528400, 183720 Customer Reference: National Grid Reference:

Slice:

Site Area (Ha): Search Buffer (m): 0.03

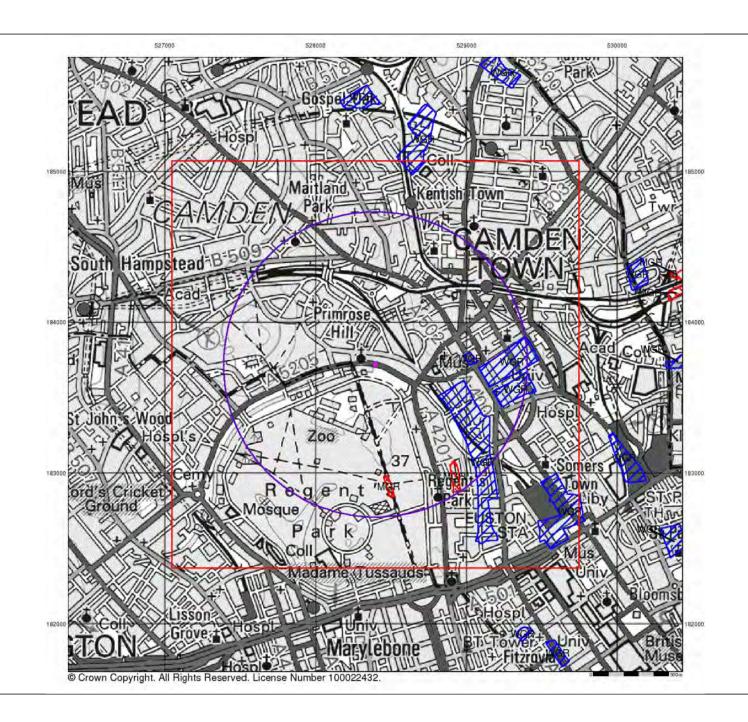
Site Details:

13, Regents Park Road, LONDON, NW1 7TL

Landmark

0844 844 9952 0844 844 9951

v15.0 20-Jan-2021 Page 1 of 5





Artificial Ground and Landslip

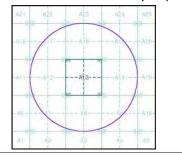
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions and unstable ground.

Artificial ground includes:

- Made ground man-made deposits such as embankments and spoil heaps on the natural ground surface.
- Worked ground areas where the ground has been cut away such as
- worked ground areas where the ground has been cut away such as quarries and road cuttings.
 Infilled ground areas where the ground has been cut away then wholly or partially backfilled.
- Landscaped ground areas where the surface has been reshaped.
 Disturbed ground areas of ill-defined shallow or near surface mineral
- workings where it is impracticable to map made and worked ground separately.

Mass movement (landslip) deposits on BGS geological maps are primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground. The dataset also includes foundered strata, where the ground has collapsed due to subsidence.

Artificial Ground and Landslip Map - Slice A





Order Details:

Order Number: 271940013 1 1 J21011 528400, 183720 Customer Reference: National Grid Reference:

Slice: Site Area (Ha): 0.03 Search Buffer (m): 1000

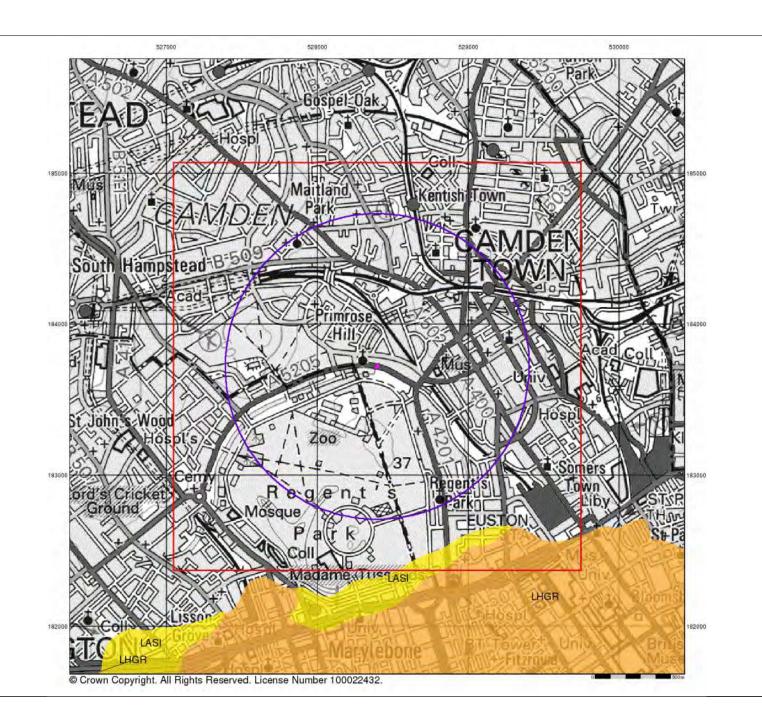
Site Details:

13, Regents Park Road, LONDON, NW1 7TL



0844 844 9952 0844 844 9951

v15.0 20-Jan-2021 Page 2 of 5





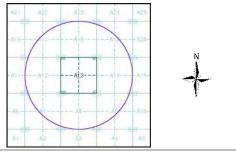
Superficial Geology

Superficial Deposits are the youngest geological deposits formed during the most recent period of geological time, the Quaternary, which extends back about 1.8 million years from the present.

They rest on older deposits or rocks referred to as Bedrock. This dataset contains Superficial deposits that are of natural origin and 'in place'. Other superficial strata may be held in the Mass Movement dataset where they have been moved, or in the Artificial Ground dataset where they are of man-made origin.

Most of these Superficial deposits are unconsolidated sediments such as gravel, sand, silt and day, and onshore they form relatively thin, often discontinuous patches or larger spreads.

Superficial Geology Map - Slice A



Order Details:

Order Number: Customer Reference: National Grid Reference: 271940013_1_1 J21011 528400, 183720

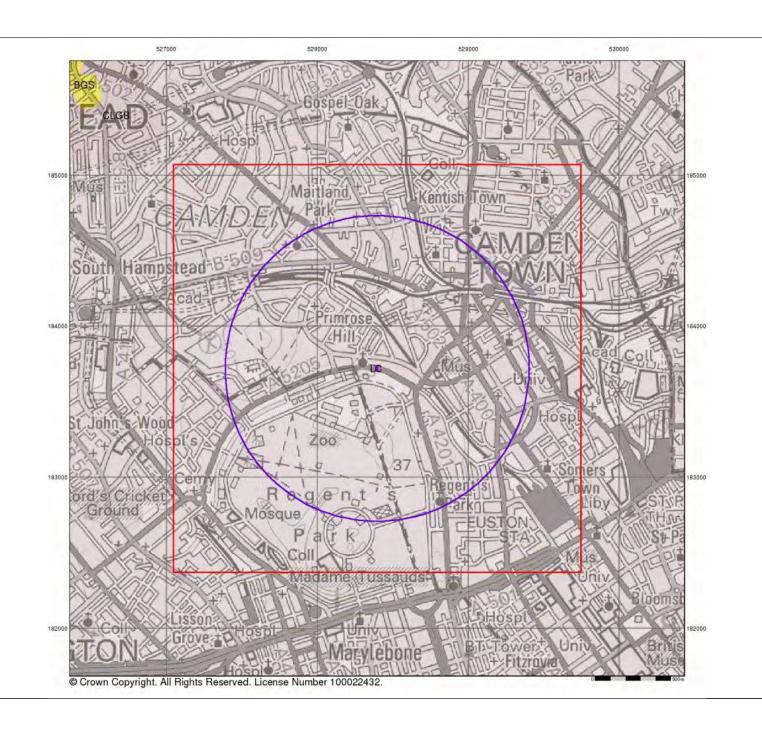
Slice: Site Area (Ha): Search Buffer (m): 0.03 1000

Site Details: 13, Regents Park Road, LONDON, NW1 7TL

Landmark

0844 844 9952 0844 844 9951 www.envirocheck.co.uk

v15.0 20-Jan-2021 Page 3 of 5





Bedrock and Faults

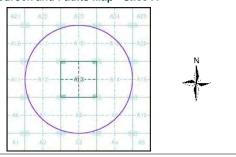
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

The bedrock has formed over vast lengths of geological time ranging from ancient and highly altered rocks of the Proterozoic, some 2500 million years ago, or older, up to the relatively young Pliocene, 1.8 million years ago.

The bedrock geology includes many lithologies, often classified into three types based on origin: igneous, metamorphic and sedimentary.

The BGS Faults and Rock Segments dataset includes geological faults (e.g. normal, thrust), and thin beds mapped as lines (e.g. coal seam, gypsum bed). Some of these are linked to other particular 1:50,000 Geology datasets, for example, coal seams are part of the bedrock sequence, most faults and mineral veins primarily affect the bedrock but cut across the strata and post date its deposition.

Bedrock and Faults Map - Slice A



Order Details:

 Order Number:
 271940013_1_1

 Customer Reference:
 J21011

 National Grid Reference:
 528400, 183720

 Slice:
 A

 Site Area (Ha):
 0.03

 Search Buffer (m):
 1000

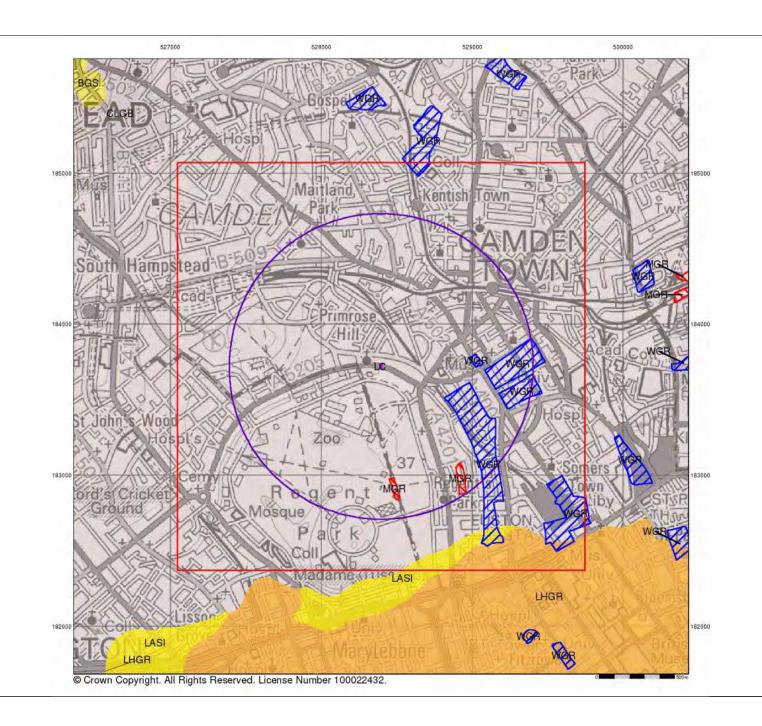
Site Details:

13, Regents Park Road, LONDON, NW1 7TL



0844 844 9952 0844 844 9951 : www.envirocheck.co

v15.0 20-Jan-2021 Page 4 of 5





Combined Surface Geology

The Combined Surface Geology map combines all the previous maps into one combined geological overview of your site.

Please consult the legends to the previous maps to interpret the Combined "Surface Geology" map.

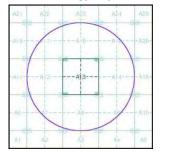
Additional Information

More information on 1:50,000 Geological mapping and explanations of rock classifications can be found on the BGS website. Using the LEX Codes in this report, further descriptions of rock types can be obtained by interrogating the 'BGS Lexicon of Named Rock Units'. This database can be accessed by following the 'Information and Data' link on the BGS website.

Contact

British Geological Survey Kingsley Dunham Centre Keyworth Nottingham NG12 5GG Telephone: 0115 936 3143 Fax: 0115 936 3276 email: enquiries@bgs.ac.uk website: www.bgs.ac.uk

Combined Geology Map - Slice A





Order Number: 271940013_1_1
Customer Reference: J21011
National Grid Reference: 528400, 183720

Slice: A
Site Area (Ha): 0.03
Search Buffer (m): 1000

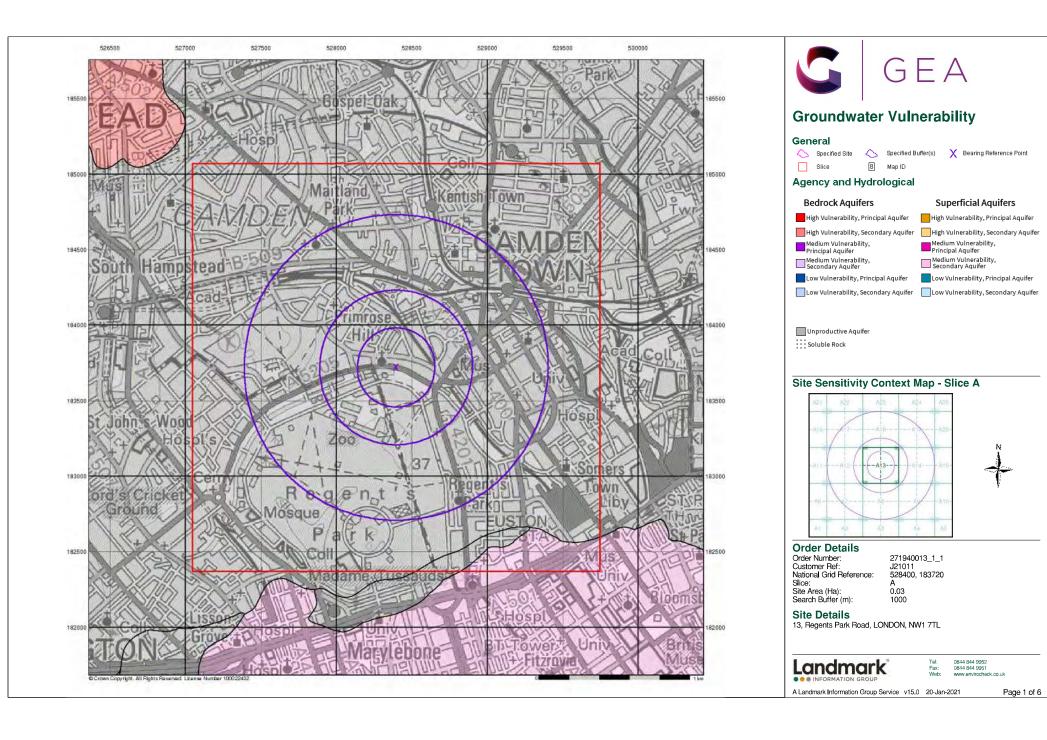
Site Details:

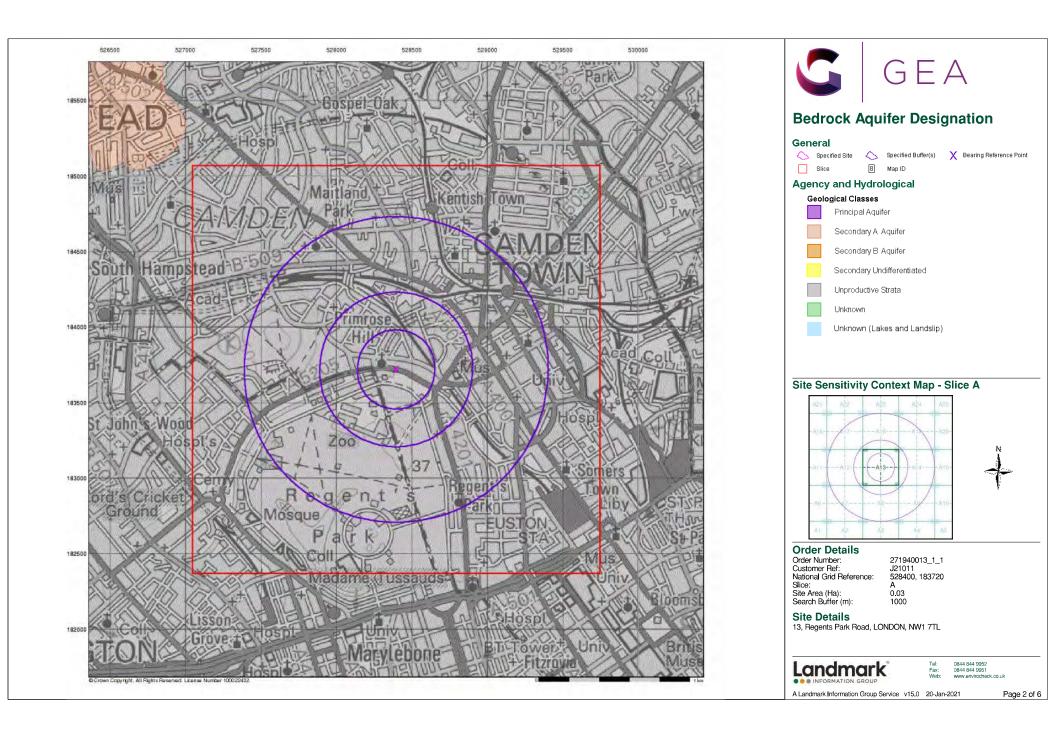
13, Regents Park Road, LONDON, NW1 7TL

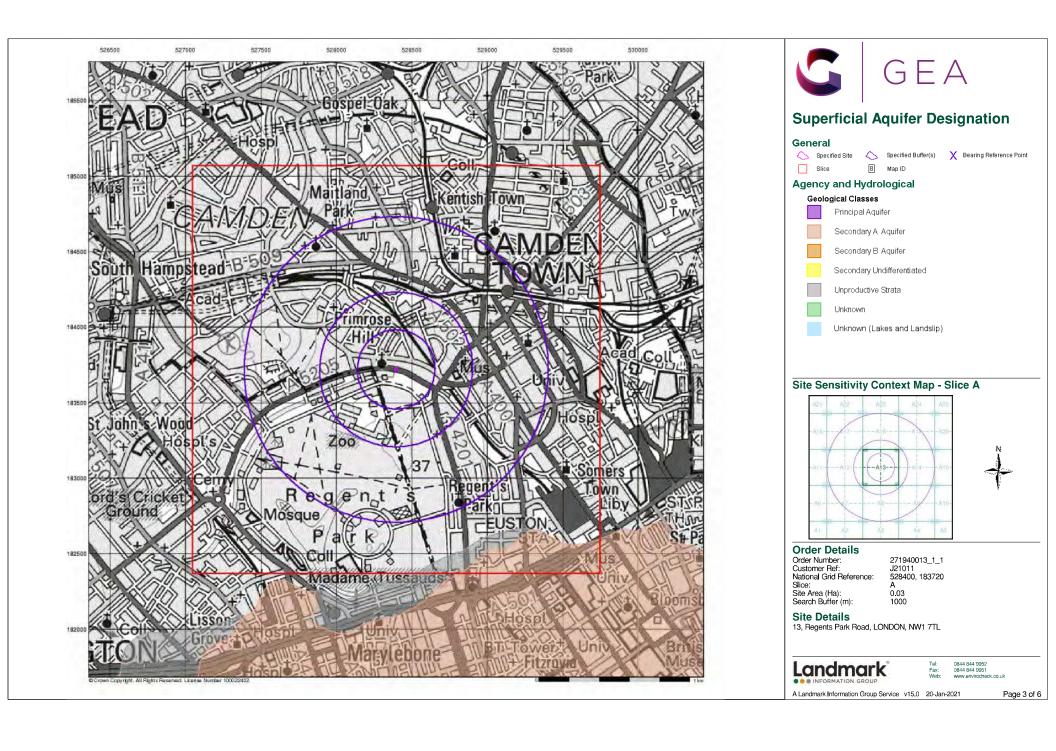


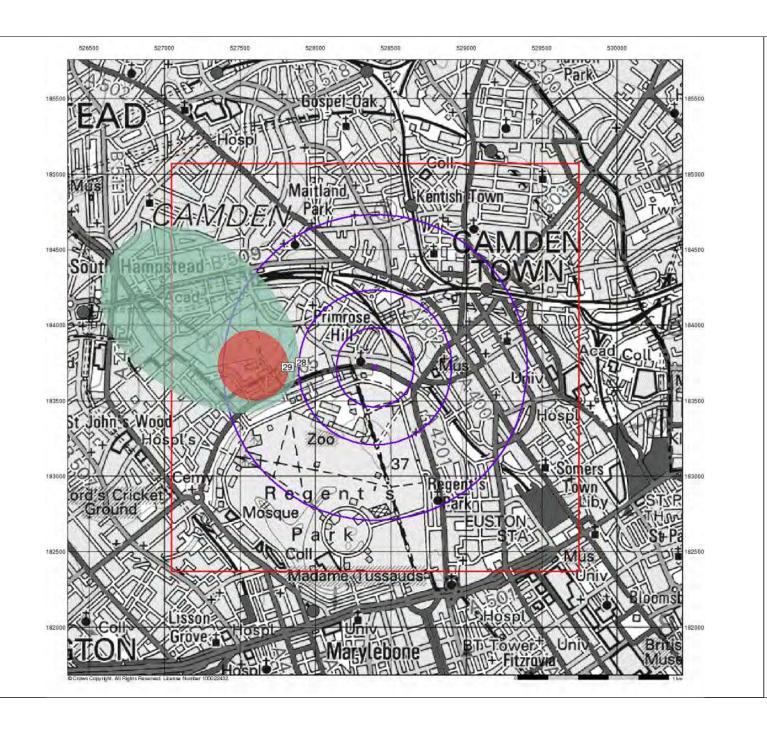
0844 844 9952 0844 844 9951 www.envirocheck.co.

v15.0 20-Jan-2021 Page 5 of 5











Source Protection Zones

General

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

Agency and Hydrological

Inner zone (Zone 1)

Inner zone - subsurface activity only (Zone 1c)

Outer zone (Zone 2)

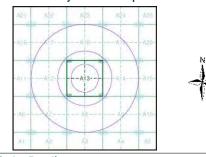
Outer zone - subsurface activity only (Zone 2c)

Total catchment (Zone 3)

Total catchment - subsurface activity only (Zone 3c)

Special interest (Zone 4)

Site Sensitivity Context Map - Slice A



Order Details

271940013_1_1 J21011 528400, 183720 Order Number: Customer Ref: National Grid Reference:

A 0.03

Slice: Site Area (Ha): Search Buffer (m):

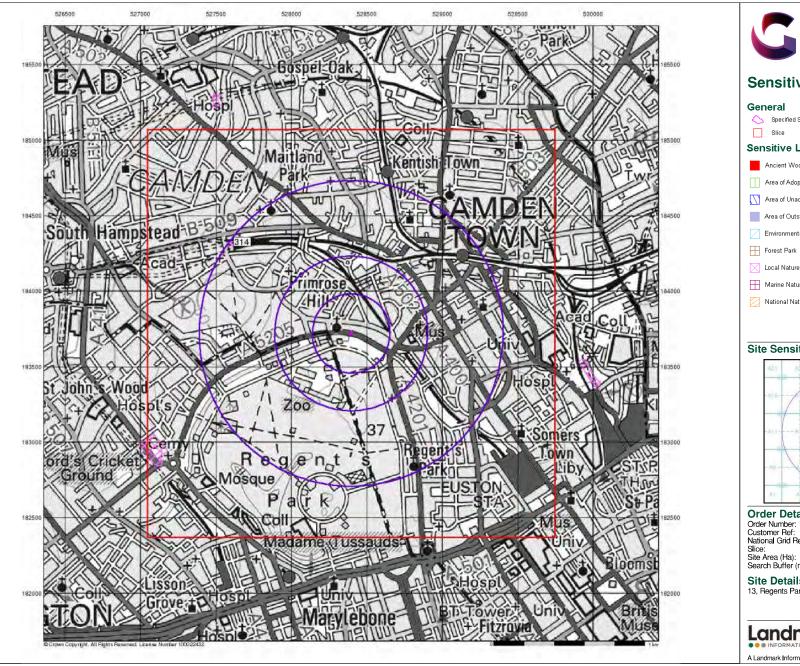
Site Details
13, Regents Park Road, LONDON, NW1 7TL

Landmark

0844 844 9952 0844 844 9951 www.envirocheck.co.uk

A Landmark Information Group Service v15.0 20-Jan-2021

Page 4 of 6





Sensitive Land Uses

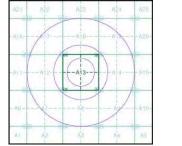
General

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

Sensitive Land Uses

- Ancient Woodland National Park Area of Adopted Green Belt Nitrate Sensitive Area Area of Unadopted Green Belt Nitrate Vulnerable Zone
- Area of Outstanding Natural Beauty 7 Ramsar Site
- Environmentally Sensitive Area Site of Special Scientific Interest
- Special Area of Conservation Local Nature Reserve Special Protection Area
- Marine Nature Reserve World Heritage Sites
- National Nature Reserve

Site Sensitivity Context Map - Slice A





Order Details

271940013_1_1 J21011 528400, 183720 Order Number: Customer Ref: National Grid Reference:

Slice: Site Area (Ha): Search Buffer (m): 0.03

Site Details

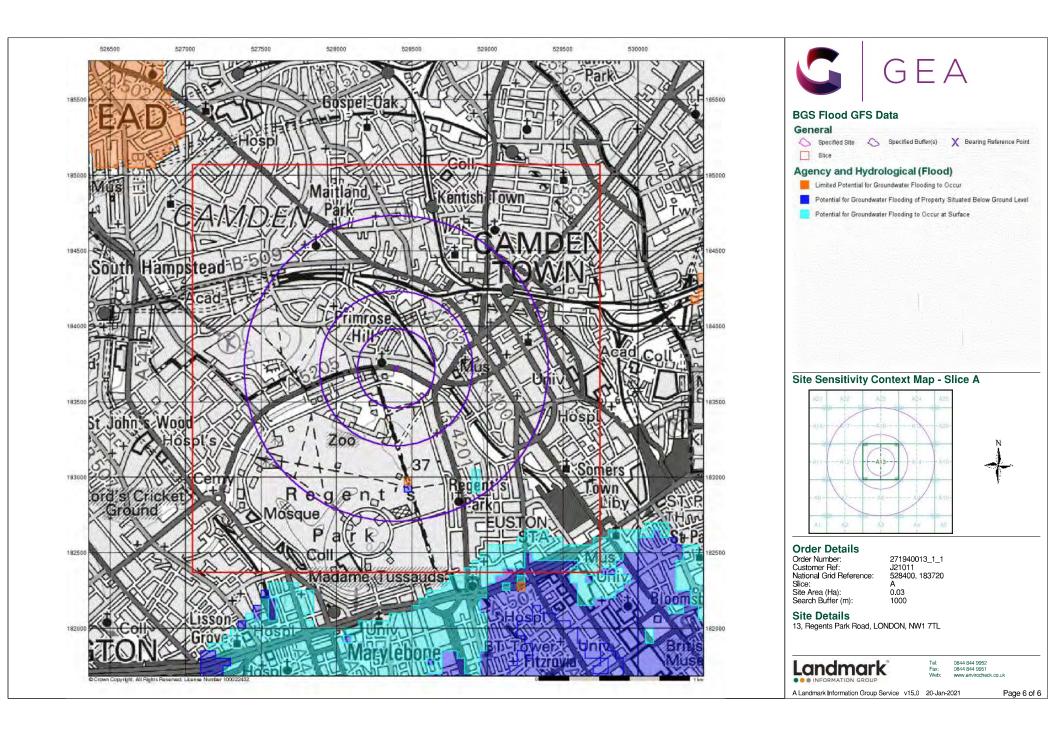
13, Regents Park Road, LONDON, NW1 7TL

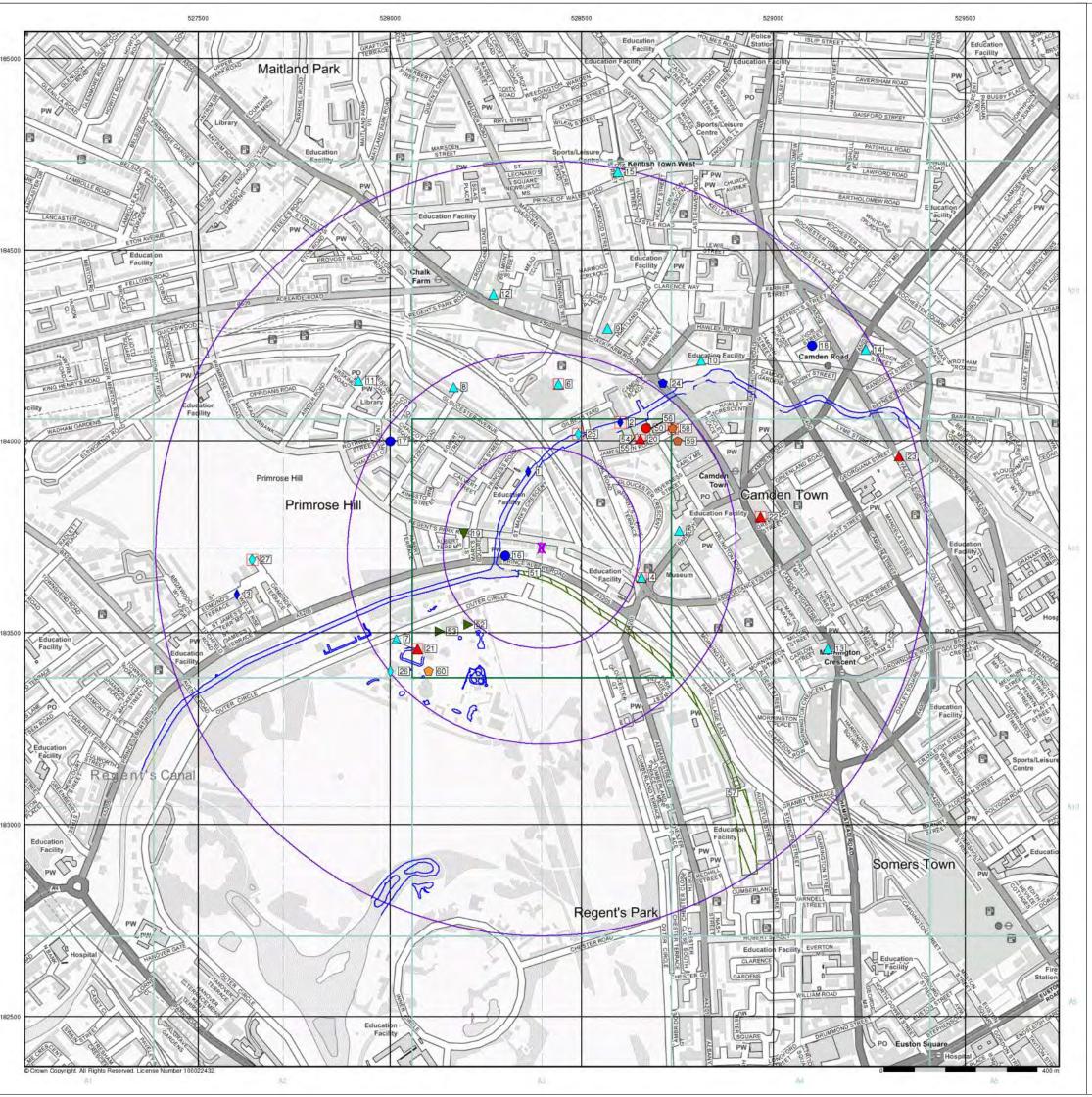
Landmark

0844 844 9952 0844 844 9951 www.envirocheck.co.uk

A Landmark Information Group Service v15.0 20-Jan-2021

Page 5 of 6

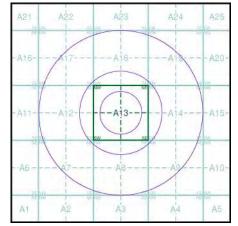








Site Sensitivity Map - Slice A





Order Details

Order Number: 271940013_1_1
Customer Ref: J21011

National Grid Reference: 528400, 183720

Slice:

Site Area (Ha): 0.03 Search Buffer (m): 1000

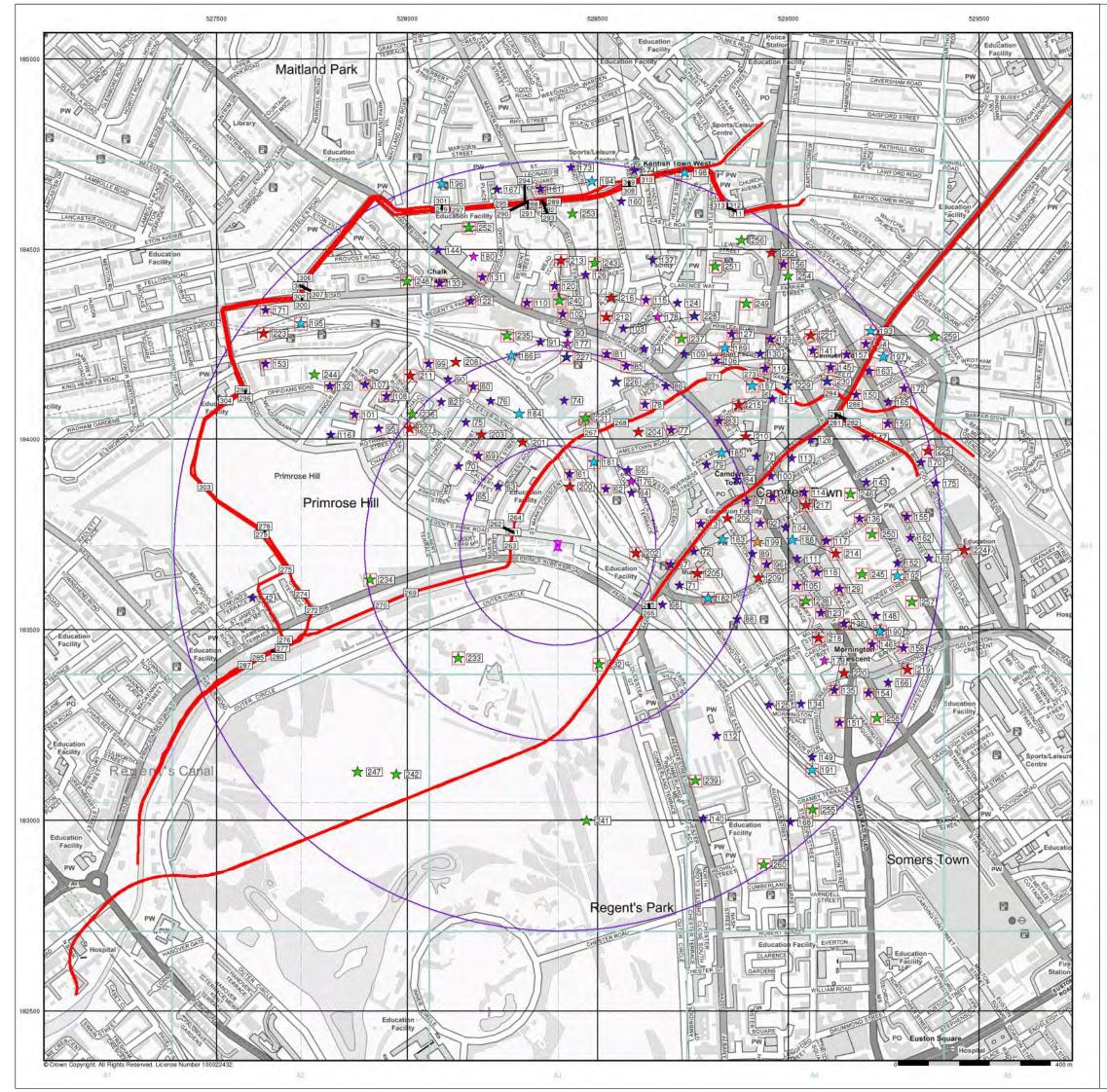
Site Details

13, Regents Park Road, LONDON, NW1 7TL



el: 0844 844 9952 ax: 0844 844 9951 /eb: www.envirocheck.co.uk

A Landmark Information Group Service v50.0 20-Jan-2021 Page 1 of 6





Industrial Land Use Map

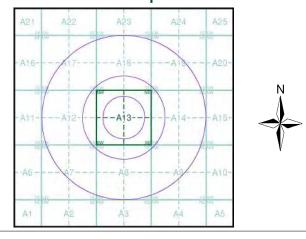
General

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

Industrial Land Use

- ** Contemporary Trade Directory Entry
- 🛨 Fuel Station Entry
- 🦙 Gas Pipeline
- 🖈 Points of Interest Commercial Services
- right Points of Interest Education and Health
- * Points of Interest Manufacturing and Production
- * Points of Interest Public Infrastructure
- roints of Interest Recreational and Environmental
- Underground Electrical Cables

Industrial Land Use Map - Slice A



Order Details

Order Number: 271940013_1_1 Customer Ref: J21011 National Grid Reference: 528400, 183720

Slice: Site Area (Ha): Search Buffer (m):

Site Details

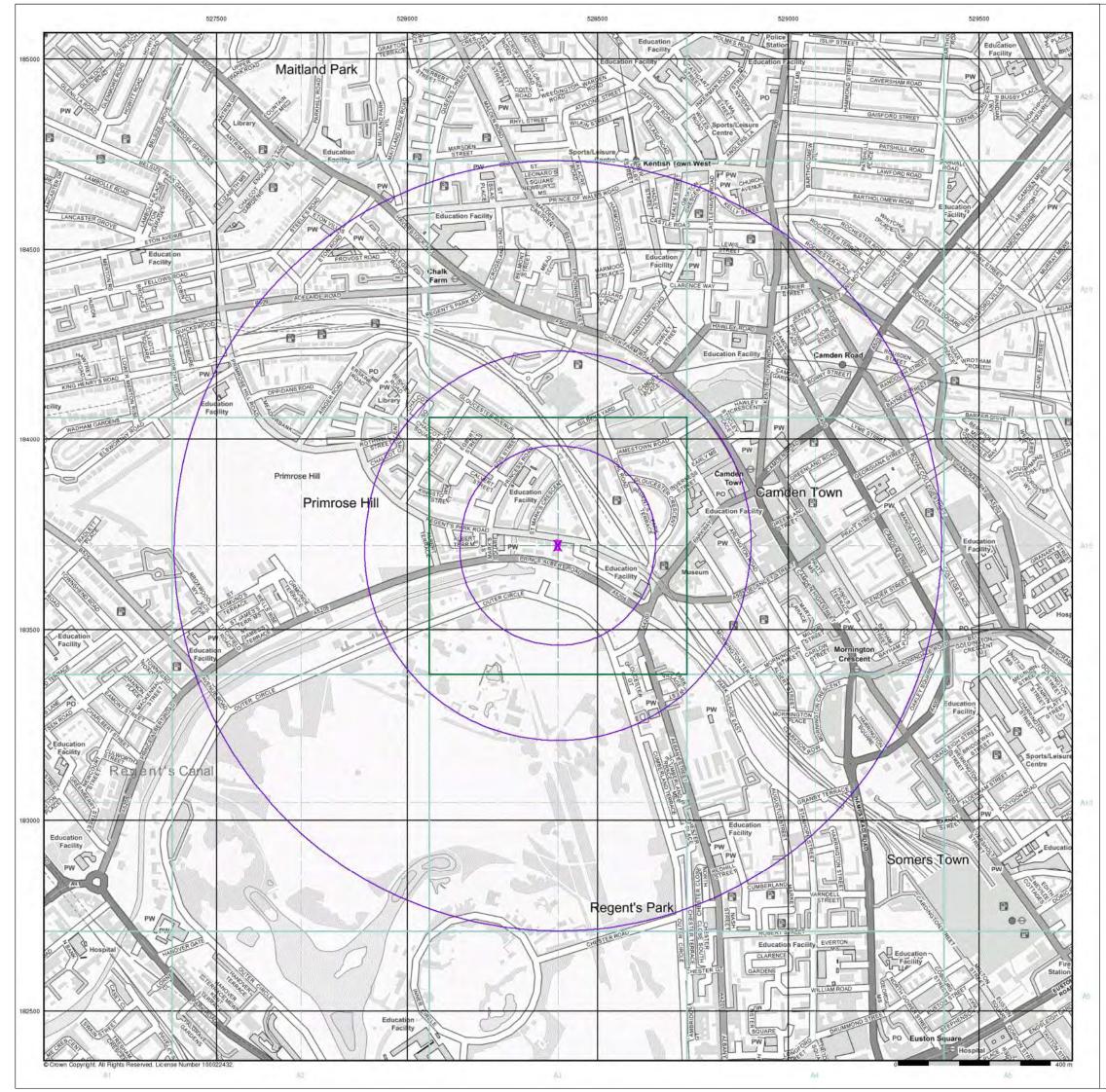
13, Regents Park Road, LONDON, NW1 7TL

1000



0844 844 9952 0844 844 9951 www.envirocheck.co.uk

A Landmark Information Group Service v50.0 20-Jan-2021 Page 2 of 6





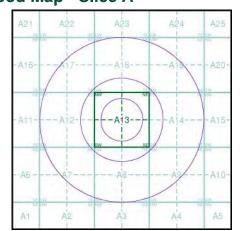
General

- Specified Site
- Specified Buffer(s)
- X 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 A





Order Details

Order Number: 271940013_1_1 Customer Ref: J21011 National Grid Reference: 528400, 183720

Slice:

Site Area (Ha): Search Buffer (m): 0.03 1000

Site Details

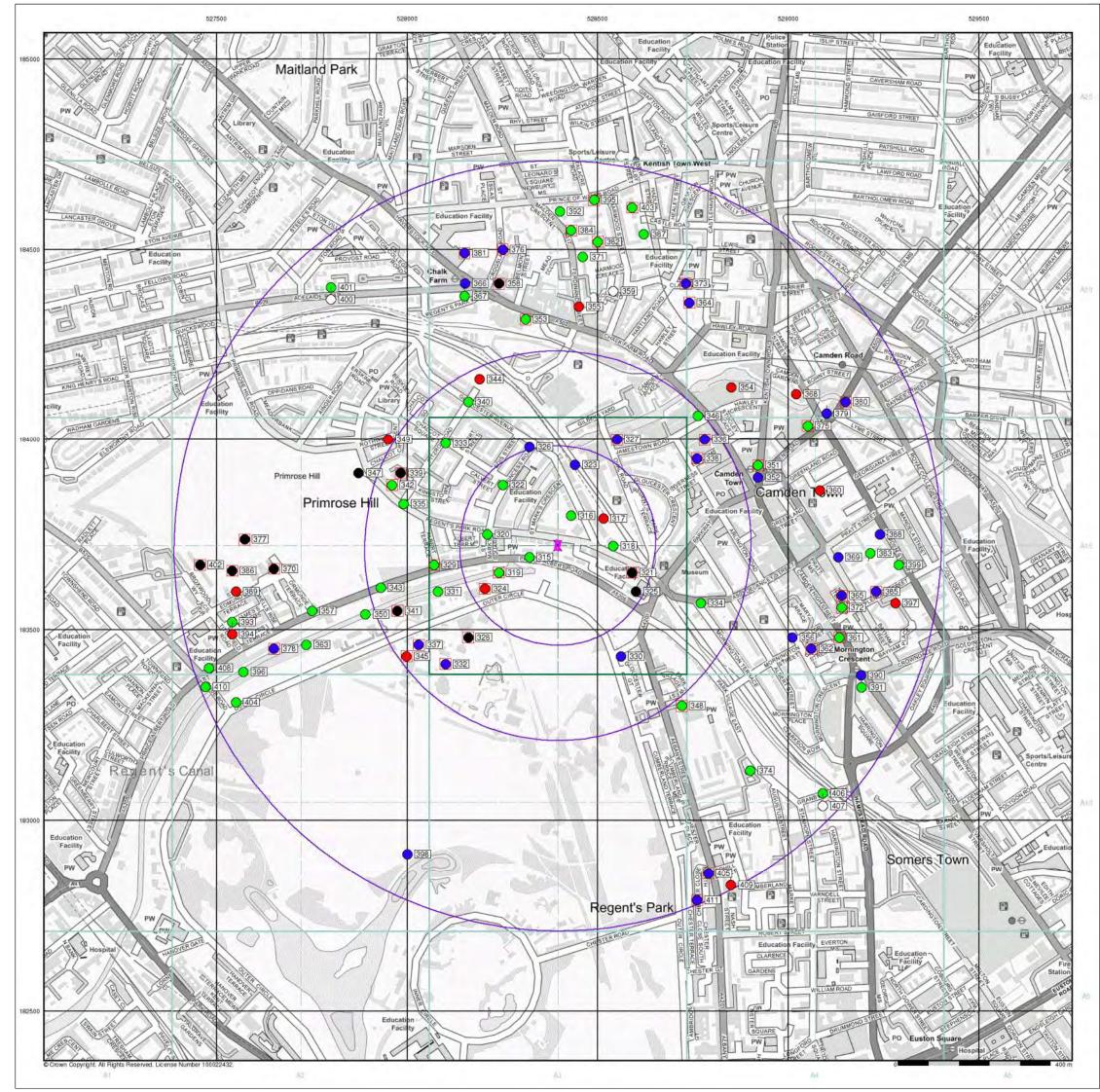
13, Regents Park Road, LONDON, NW1 7TL

Landmark[®]

0844 844 9952 0844 844 9951 www.envirocheck.co.uk

A Landmark Information Group Service v50.0 20-Jan-2021

Page 3 of 6





General

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

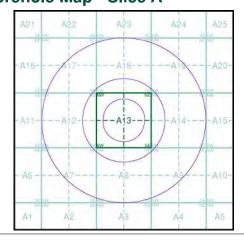
Agency and Hydrological (Boreholes)

- 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 A





Order Details

Order Number: 271940013_1_1 Customer Ref: J21011 National Grid Reference: 528400, 183720

Slice:

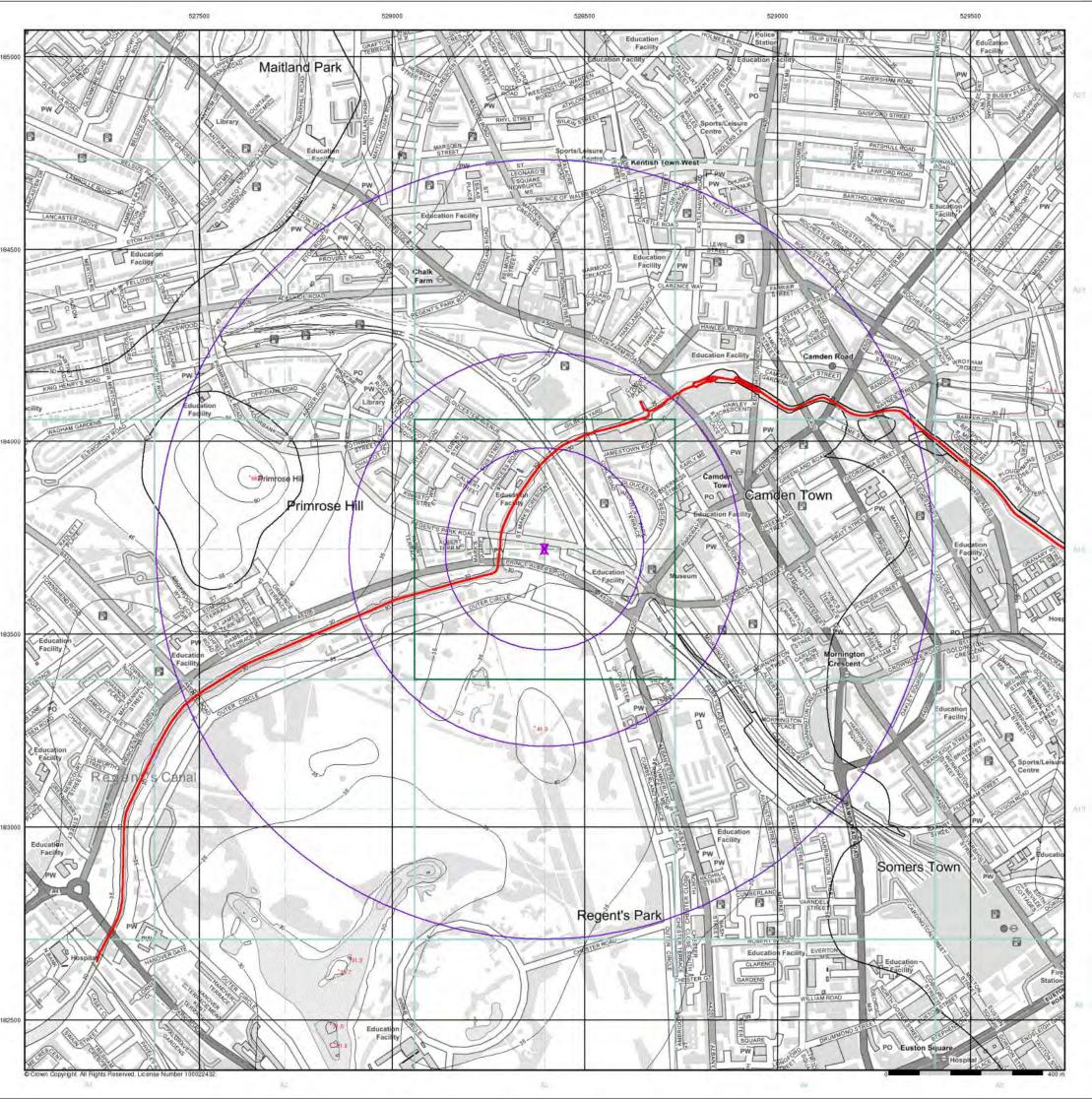
Site Area (Ha): Search Buffer (m): 0.03 1000

Site Details

13, Regents Park Road, LONDON, NW1 7TL



0844 844 9952 0844 844 9951





General

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

OS Water Network Data

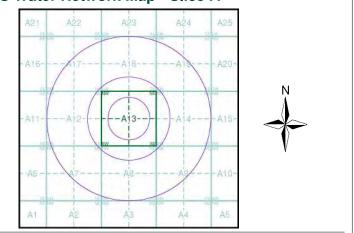


Contours (height in meters)

Inland River



OS Water Network Map - Slice A



Order Details

Order Number: 271940013_1_1 Customer Ref: J21011 National Grid Reference: 528400, 183720

Slice: A

Site Area (Ha): 0.03 Search Buffer (m): 1000

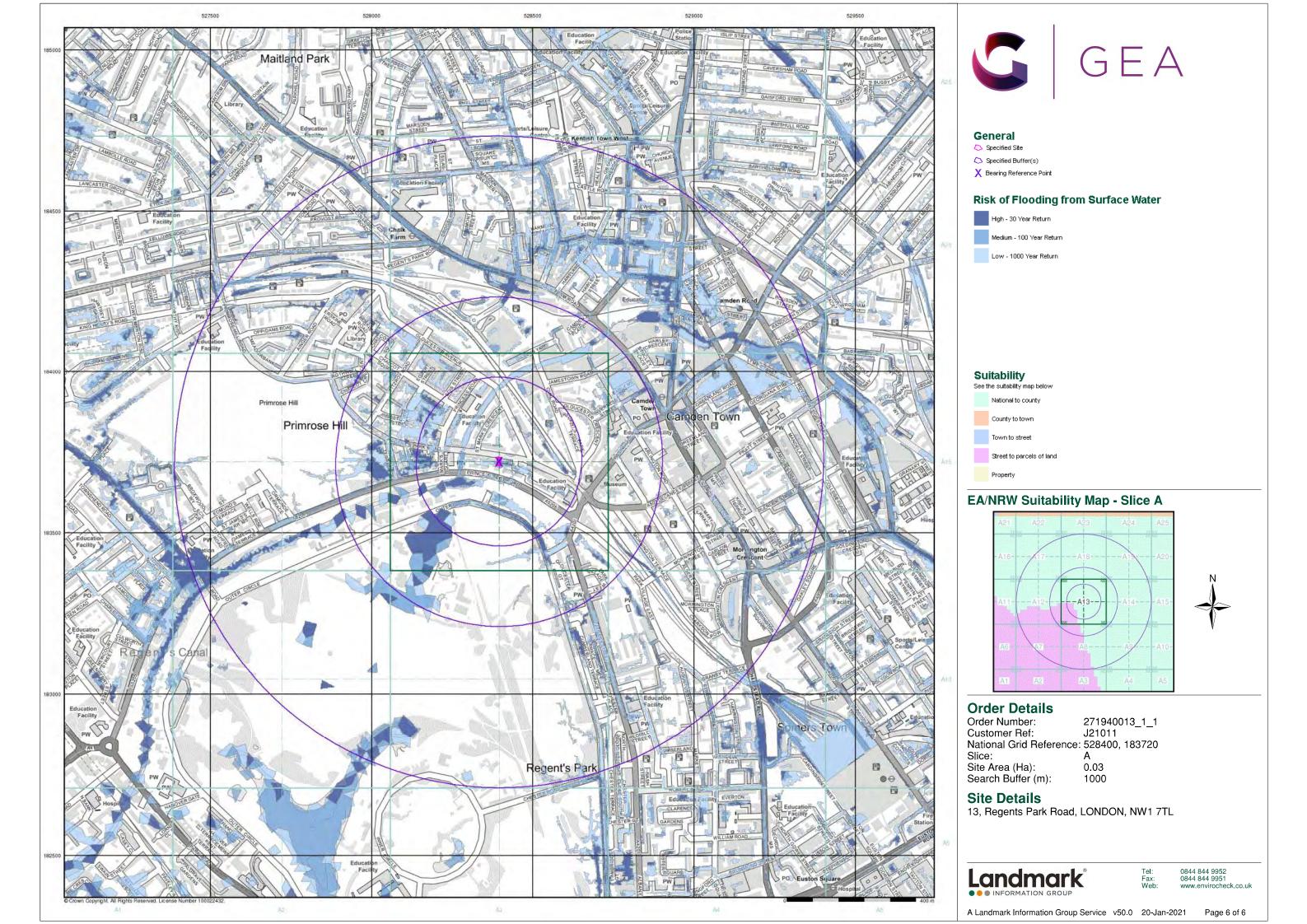
Site Details

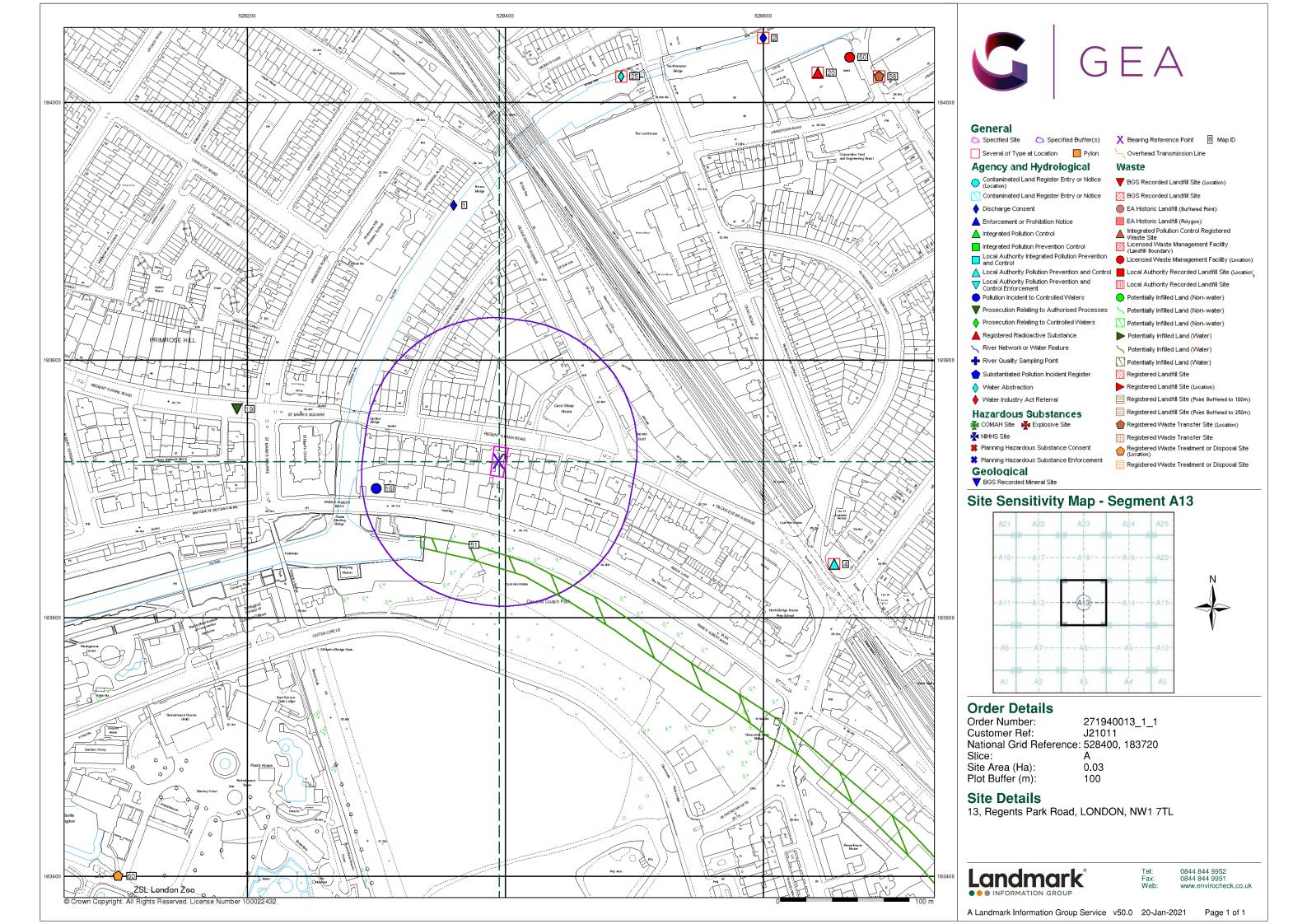
13, Regents Park Road, LONDON, NW1 7TL



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

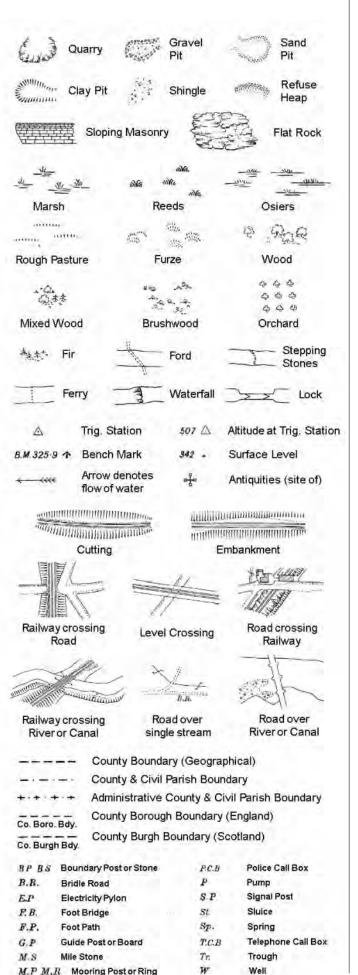
Page 5 of 6



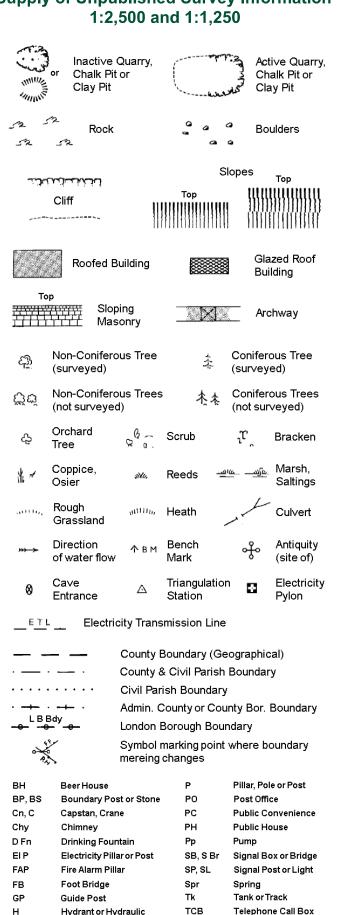


Historical Mapping Legends

Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



Ordnance Survey Plan, Additional SIMs and Large-Scale National Grid Data 1:2,500 and **Supply of Unpublished Survey Information** 1:2,500 and 1:1,250



TCP

Mile Post or Mooring Post

Mile Stone

Normal Tidal Limit

Telephone Call Post

Trough

WrPt, WrT Water Point, Water Tap

Wind Pump

LC

MH

MS

NTL

1:1,250

			Slo	pes	-
	Clitt Ur.Krimin		Тор	!!!!!! !!!!!!!	Top
D2	Rock		<u> </u>	Rock (so	cattered)
\Box_{a}	Boulders		Δ	Boulders	s (scattered)
\triangle	Positioned	Boulder		Scree	
<u>ක</u>	Non-Conif (surveyed	erous Tree)	*	Coniferd	ous Tree ed)
ජීජ	Non-Conif (not surve	erous Trees yed)	ን <u>*</u> *	Coniferd (not sur	ous Trees veyed)
දා	Orchard Tree	© a.	Scrub	$^{j}\mathcal{U}^{}$	Bracken
* ~	Coppice, Osier	siVis,	Reeds - 쁘	<u>। स्ट — ऋहि</u>	Marsh, Saltings
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Rough Grassland	₁₈ 1111),	Heath	1	Culvert
*** >	Direction of water flo	Δ	Triangulation Station	, &	Antiquity (site of)
E <u>T</u> L	Electric	ity Transmis	ssion Line	\boxtimes	Electricity Pylon
∤ /BM	l 231.6ûm - E	Bench Mark	7	Building Building	
	Roofe	ed Building		8	azed Roof uilding
		Ci∨il parish	/community b	oundary	
		District box	undarv		
		County box	-		
		•	•		
	5	Boundary			
_	0	_	nereing symb ear in oppose	,	
Bks	Barracks		Р	Pillar, Po	le or Post
Bty	Battery		PO	Post Offi	ce
Cemy	Cemetery		PC		onvenience
Chy C:-	Chimney		Pp	Pump	. 04-4:
Cis Dismtd F	Cistern Rlv Disman	tled Railway	Ppg Sta PW	Pumping Place of	
El Gen S	•	ity Generating			ewage
	Station	_	_	Pı	umping Station
EIP		Pole, Pillar	SB, S Br	_	ox or Bridge
El Sub S FB	ta Electricity Filter Bed	oup Station	SP, SL Spr	_	ost or Light
FB Fn / D Fr		Drinking Ftn.	Spr Tk	Spring Tank or 1	Frack
Gas Gov		Compound	Tr	Trough	uon
GVC	Gas Gove		Wd Pp	Wind Pu	mp
GP	Guide Pos		•		int, Water Tap
МН	Manhole		Wks		ouilding or area)
MAD MAG	Mail - Donat -	au Mila Charr -	187	M/AII	

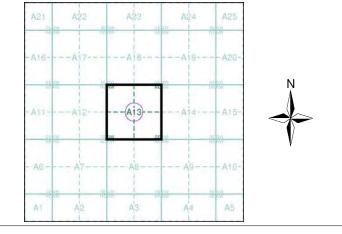
Mile Post or Mile Stone



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
London	1:2,500	1875 - 1876	2
London	1:2,500	1896	3
London	1:2,500	1916	4
Historical Aerial Photography	1:1,250	1946	5
Ordnance Survey Plan	1:1,250	1953 - 1954	6
Additional SIMs	1:1,250	1953 - 1986	7
Ordnance Survey Plan	1:2,500	1954 - 1955	8
Additional SIMs	1:2,500	1955	9
Ordnance Survey Plan	1:1,250	1962 - 1969	10
Ordnance Survey Plan	1:2,500	1970 - 1971	11
Supply of Unpublished Survey Information	1:1,250	1973 - 1975	12
Ordnance Survey Plan	1:1,250	1975 - 1977	13
Supply of Unpublished Survey Information	1:1,250	1976	14
Additional SIMs	1:1,250	1982 - 1990	15
Large-Scale National Grid Data	1:1,250	1991	16
Large-Scale National Grid Data	1:1,250	1991 - 1995	17
Large-Scale National Grid Data	1:1,250	1991 - 1994	18
Large-Scale National Grid Data	1:1,250	1992 - 1995	19
Large-Scale National Grid Data	1:1,250	1996	20
Large-Scale National Grid Data	1:1,250	1996	21
Historical Aerial Photography	1:2,500	1999	22

Historical Map - Segment A13



Order Details

Order Number: 271940013 1 1 Customer Ref: National Grid Reference: 528400, 183720 Slice:

Site Area (Ha): 0.03 Search Buffer (m): 100

Site Details

13, Regents Park Road, LONDON, NW1 7TL

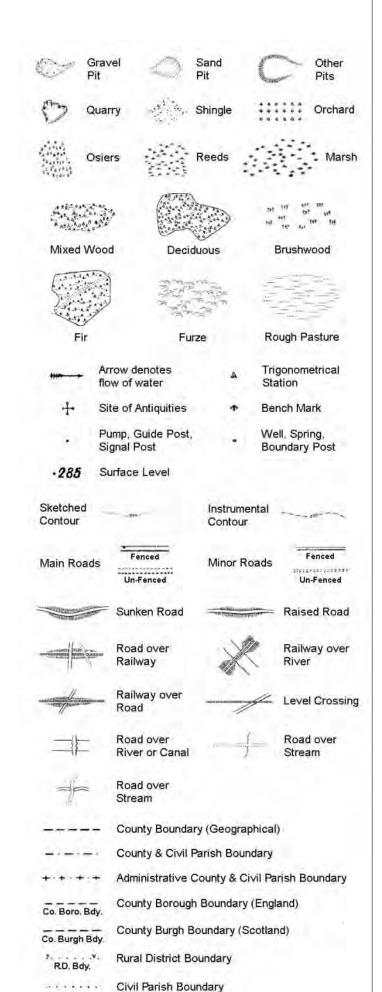


0844 844 9951

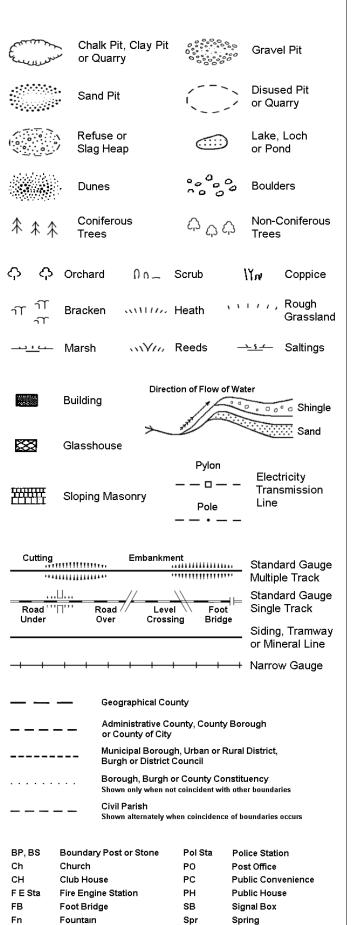
A Landmark Information Group Service v50.0 20-Jan-2021

Historical Mapping Legends

Ordnance Survey County Series 1:10,560



Ordnance Survey Plan 1:10,000



TCB

TCP

Telephone Call Box

Telephone Call Post

GP

MS

Guide Post

Mile Post

Mile Stone

1:10,000 Raster Mapping

	Gravel Pit		Refuse tip or slag heap
	Rock		Rock (scattered)
	Boulders		Boulders (scattered)
	Shingle	Mud	Mud
Sand	Sand		Sand Pit
*******	Slopes		Top of cliff
	General detail		Underground detail
	- O∨erhead detail		Narrow gauge railway
	Multi-track railway		Single track railway
	County boundary (England only)	• • • • • •	Civil, parish or community boundary
	District, Unitary, Metropolitan, London Borough boundary		Constituency boundary
۵ ^۵	Area of wooded vegetation	۵ ^۵ ۵	Non-coniferous trees
<u>م</u>	Non-coniferous trees (scattered)	**	Coniferous trees
* *	Coniferous trees (scattered)	Ö̈	Positioned tree
ф ф ф ф	Orchard	* *	Coppice or Osiers
affr,	Rough Grassland	www.	Heath
Oo_	Scrub	7/√\r 7/√\r	Marsh, Salt Marsh or Reeds
4	Water feature	←	Flow arrows
MHW(S)	Mean high water (springs)	MLW(S)	Mean low water (springs)
	Telephone line (where shown)		Electricity transmission line (with poles)
← BM 123.45 m	Bench mark (where shown)	Δ	Triangulation station
	Point feature (e.g. Guide Post or Mile Stone)	\boxtimes	Pylon, flare stack or lighting tower
+	Site of (antiquity)		Glasshouse
	General Building		Important

General Building

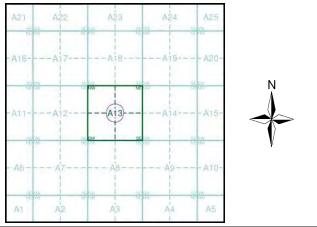
Building



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Middlesex	1:10,560	1874 - 1882	3
London	1:10,560	1896	4
London	1:10,560	1920	5
London	1:10,560	1938	6
Historical Aerial Photography	1:10,560	1950	7
Ordnance Survey Plan	1:10,000	1951	8
Ordnance Survey Plan	1:10,000	1957 - 1958	9
Ordnance Survey Plan	1:10,000	1968	10
Ordnance Survey Plan	1:10,000	1974 - 1976	11
London	1:25,000	1985	12
Ordnance Survey Plan	1:10,000	1991 - 1996	13
10K Raster Mapping	1:10,000	1999	14
10K Raster Mapping	1:10,000	2006	15
VectorMap Local	1:10,000	2020	16

Historical Map - Slice A



Order Details

Order Number: 271940013_1_1
Customer Ref: J21011
National Grid Reference: 528400, 183720
Slice: A

Site Area (Ha): 0.03 Search Buffer (m): 1000

Site Details

13, Regents Park Road, LONDON, NW1 7TL



el: 0844 844 9952 ax: 0844 844 9951 leb: www.envirocheck.co.

A Landmark Information Group Service v50.0 20-Jan-2021 Page 1 of 1