

Geology 1:50,000 Maps Legends

Artificial Ground and Landslip

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	WMGR	Infilled Ground	Artificial Deposit	Cenozoic - Cenozoic
	WGR	Worked Ground (Undivided)	Void	Holocene - Holocene
	MGR	Made Ground (Undivided)	Artificial Deposit	Holocene - Holocene
	LSGR	Landslipped Ground (Undivided)	Artificially Modified Ground	Holocene - Holocene

Superficial Geology

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	LOFT	Lowestoft Formation	Diamicton	Anglian - Anglian
	DHGR	Dolits Hill Gravel Member	Sand and Gravel	Anglian - Cromerian

Bedrock and Faults

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	LC	London Clay Formation	Clay, Silt and Sand	Eocene - Eocene
	CLGB	Claygate Member	Clay, Silt and Sand	Eocene - Eocene
	BGS	Bagshot Formation	Sand	Eocene - Eocene



Geology 1:50,000 Maps

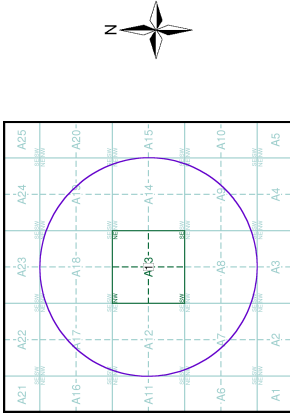
This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:50,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around the site. This mapping may be more up to date than previously published 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:	1
Map Sheet No:	256
Map Name:	North London
Artificial Geology:	Available
Bedrock Geology:	Available
Superficial Geology:	Available
Artificial Geology:	Available
Faults:	Not Supplied
Landslip:	Available
Rock Segments:	Not Supplied

Geology 1:50,000 Maps - Slice A



Order Details:

Order Number: 136605852_1_1
Customer Reference: J17216
National Grid Reference: 529770, 188610
Slice: A
Site Area (Ha): 0.04
Search Buffer (m): 1000

Site Details:

62, Wolseley Road, LONDON, N8 8RP



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Artificial Ground and Landslip

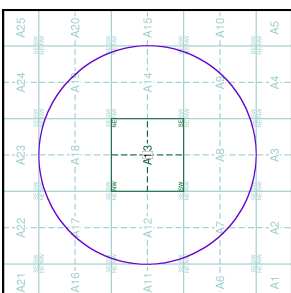
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions 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 quarries and road cuttings.
- In-filled 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 founded strata, where the ground has collapsed due to subsidence.

Artificial Ground and Landslip Map - Slice A



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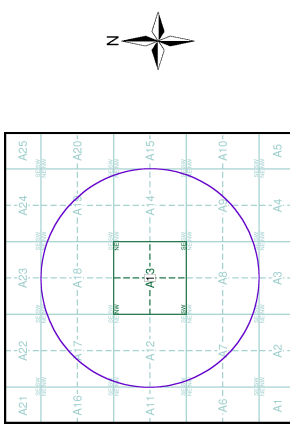
Superficial Geology

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 clay, and onshore they form relatively thin, often discontinuous patches or larger spreads.

Superficial Geology Map - Slice A



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Bedrock and Faults

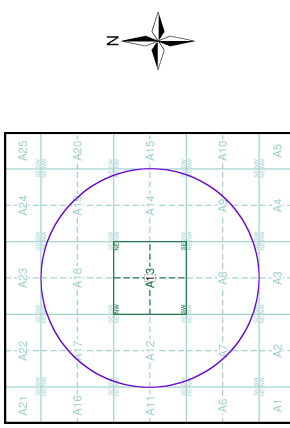
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

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



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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.

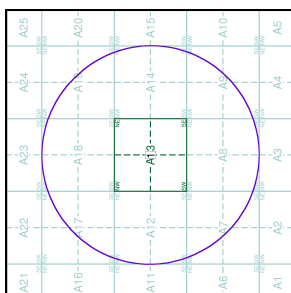
Additional Information

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.

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website: www.bgs.ac.uk

Combined Geology Map - Slice A



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Groundwater Vulnerability

General

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

Agency and Hydrological

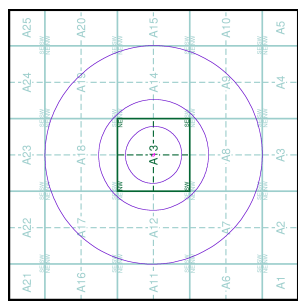
Geological Classes

- Major Aquifer (Highly Permeable)
- Minor Aquifer (Variably Permeable)
- Non Aquifer (Negligibly Permeable)
- Water or Sea
- Drift Deposit

Soil Classes

- High (H) 1, 2, 3, U
- Intermediate (I) 1, 2
- Low
- High (H) 1, 2, 3, U
- Intermediate (I) 1, 2
- Low

Site Sensitivity Context Map - Slice A



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Bedrock Aquifer Designation

General

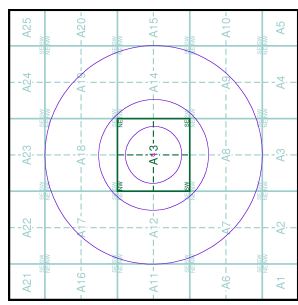
- Specified Site
- Specified Buffer(s)
- Map ID
- Bearing Reference Point

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A

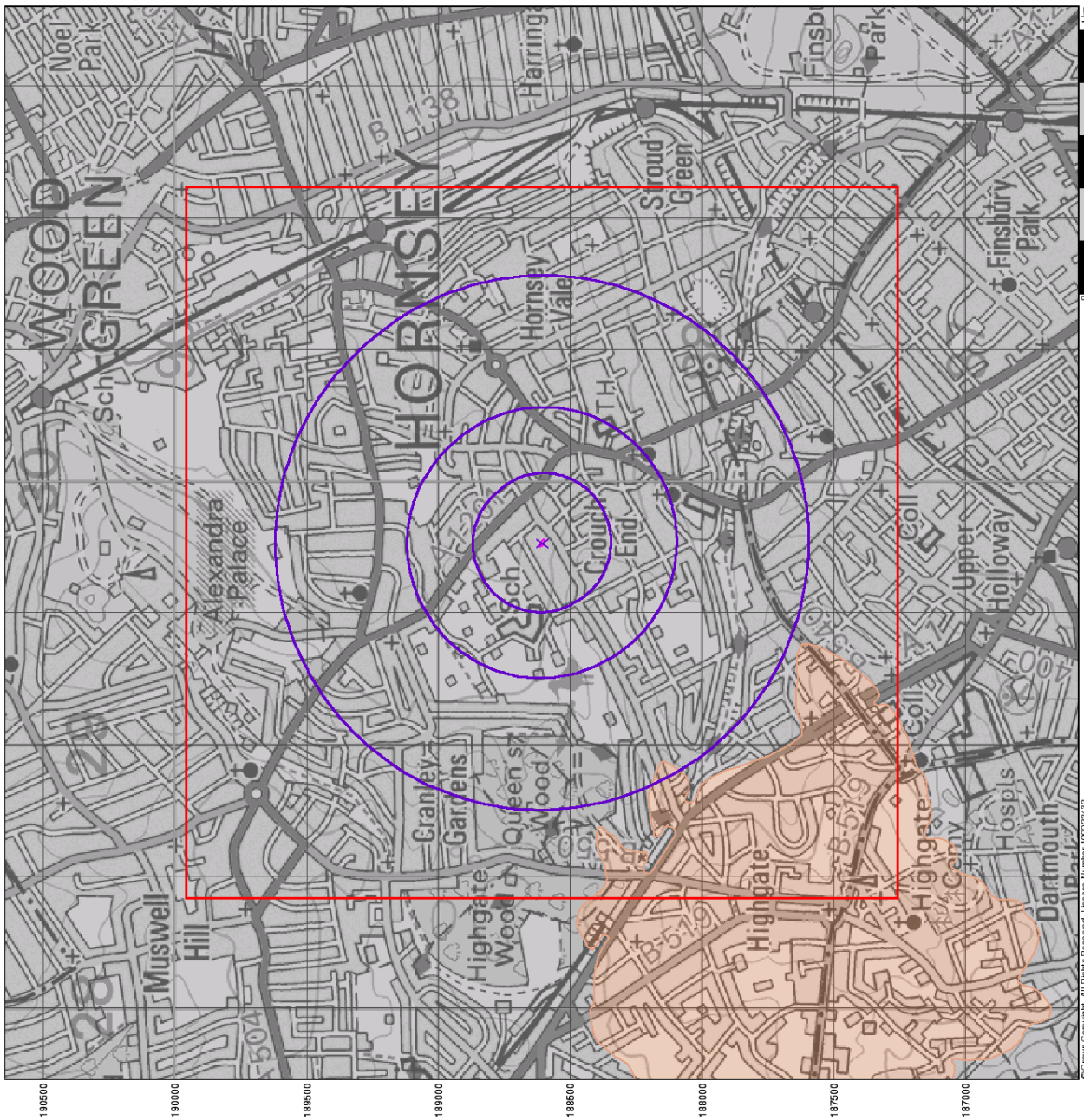


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Superficial Aquifer Designation

General

Specified Site

Specified Buffer(s)

Map ID

Bearing Reference Point

Specified Site

Specified Buffer(s)

Map ID

Bearing Reference Point

Specified Site

Specified Buffer(s)

Map ID

Bearing Reference Point

Specified Site

Specified Buffer(s)

Map ID

Bearing Reference Point

Agency and Hydrological

Principal Aquifer

Secondary A Aquifer

Secondary B Aquifer

Secondary Undifferentiated

Unproductive Strata

Unknown

Unknown (Lakes and Landslip)

Principal Aquifer

Secondary A Aquifer

Secondary B Aquifer

Secondary Undifferentiated

Unproductive Strata

Unknown

Unknown (Lakes and Landslip)

Principal Aquifer

Secondary A Aquifer

Secondary B Aquifer

Secondary Undifferentiated

Unproductive Strata

Unknown

Unknown (Lakes and Landslip)

Principal Aquifer

Secondary A Aquifer

Secondary B Aquifer

Secondary Undifferentiated

Unproductive Strata

Unknown

Unknown (Lakes and Landslip)

Site Sensitivity Context Map - Slice A

Order Details

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Source Protection Zones

General

 Specified Site

 Specified Buffer(s)

 Map ID

 Bearing Reference Point

Agency and Hydrological

 Inner zone (Zone 1)

 Inner zone - subsurface activity only (Zone 1c)

 Outer zone (Zone 2)

 Outer zone - subsurface activity only (Zone 2c)

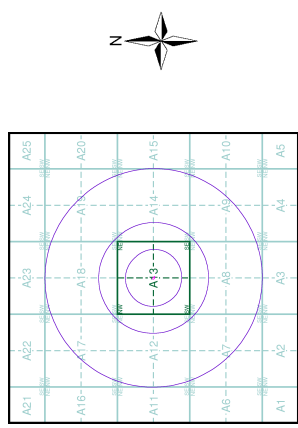
 Total catchment (Zone 3)

 Total catchment - subsurface activity only (Zone 3c)

 Special interest (Zone 4)

 Source Protection Zone Borehole

Site Sensitivity Context Map - Slice A



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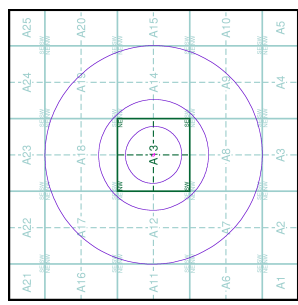
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Sensitive Land Uses

- General**
 - Specified Site
 - Specified Buffer(s)
 - Map ID
 - Bearing Reference Point
- 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
 - Nitrates Sensitive Area
 - Nitrates Vulnerable Zone
 - Ramsar Site
 - Site of Special Scientific Interest
 - Special Area of Conservation
 - Special Protection Area
 - World Heritage Sites

Site Sensitivity Context Map - Slice A



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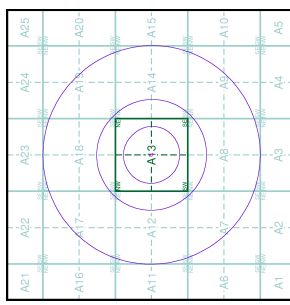


BGS Flood GFS Data

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 A



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