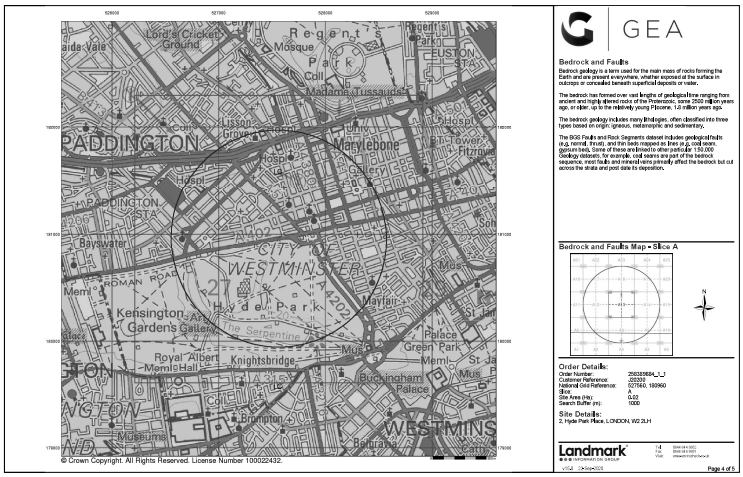

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GEA

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 on 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

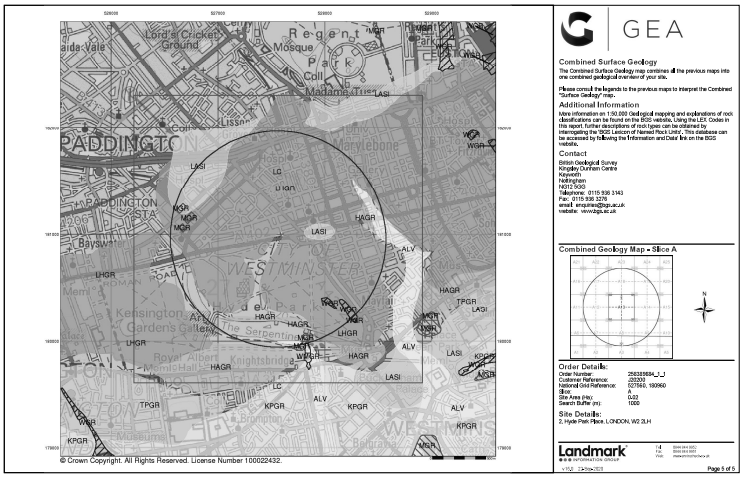
Order Details:

Order Number:	250309684_1_1
Customer Reference:	J00300
National Grid Reference:	527640, 180960
Slice:	A
Site Area (Ha):	0.03
Search Buffer (m):	1000

Site Details:

2, Hyde Park Place, LONDON, W2 2LH

Landmark INFORMATION GROUP



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GEA

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 the Lexicon of Named Rock Units. Information can also be found interrogating the BGS Lexicon of Named Rock Units1. This database can be accessed by following the 'Information and Data' link on the BGS website.

Contact

British Geological Survey
Keyworth, Nottm 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 Details:

Order Number:	250309684_1_1
Customer Reference:	J00300
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Slice:	A
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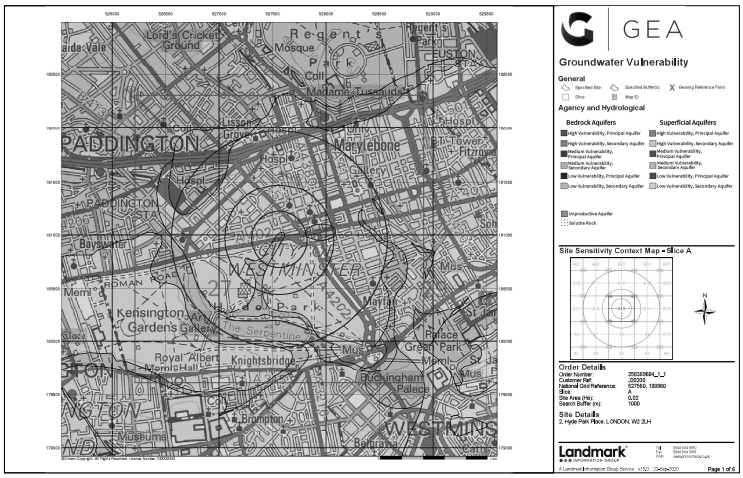
Landmark INFORMATION GROUP



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GEA

Groundwater Vulnerability

General

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

Agency and Hydrological

Bedrock Aquifers	Superficial Aquifers
High Vulnerability, Principal Aquifer	High Vulnerability, Principal Aquifer
High Vulnerability, Secondary Aquifer	High Vulnerability, Secondary Aquifer
Medium Vulnerability, Principal Aquifer	Medium Vulnerability, Principal Aquifer
Medium Vulnerability, Secondary Aquifer	Medium Vulnerability, Secondary Aquifer
Low Vulnerability, Principal Aquifer	Low Vulnerability, Principal Aquifer
Low Vulnerability, Secondary Aquifer	Low Vulnerability, Secondary Aquifer

Unproductive Aquifer

Variable Rock

Site Sensitivity Context Map - Slice A

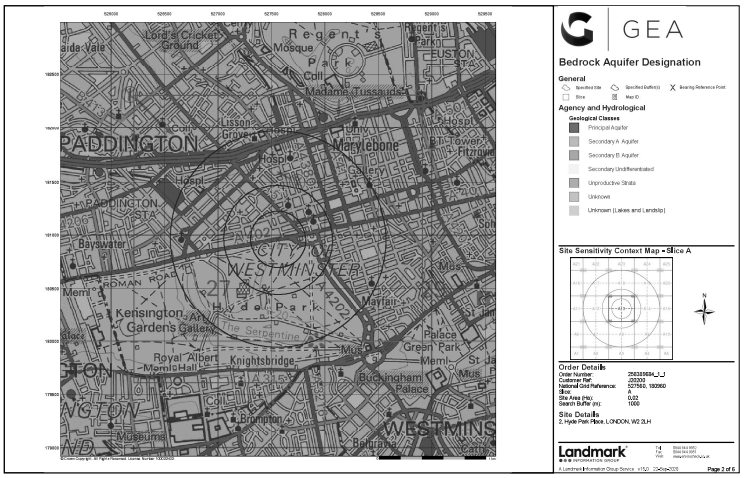
Order Details

Order Number:	250309684_1_1
Customer Ref:	J00300
National Grid Reference:	527640, 180960
Slice:	A
Site Area (Ha):	0.03
Search Buffer (m):	1000

Site Details

2, Hyde Park Place, LONDON, W2 2LH

Landmark INFORMATION GROUP



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GEA

Bedrock Aquifer Designation

General

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

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

Order Details

Order Number:	250309684_1_1
Customer Ref:	J00300
National Grid Reference:	527640, 180960
Slice:	A
Site Area (Ha):	0.03
Search Buffer (m):	1000

Site Details

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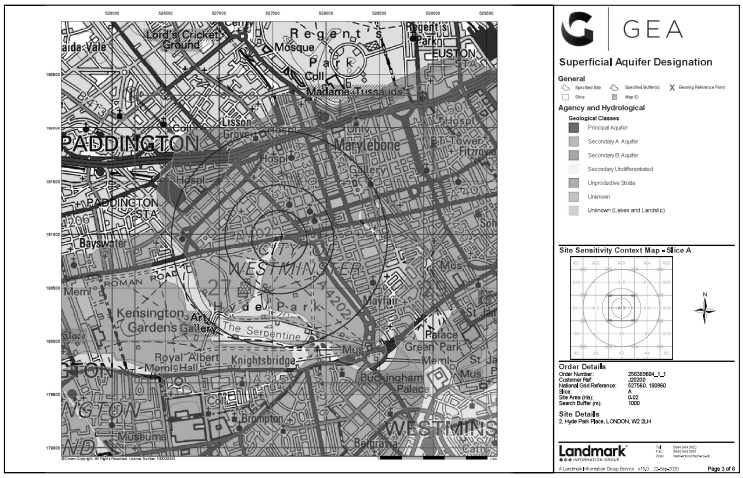
Landmark INFORMATION GROUP



GEA

Superficial Aquifer Designation

General

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

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

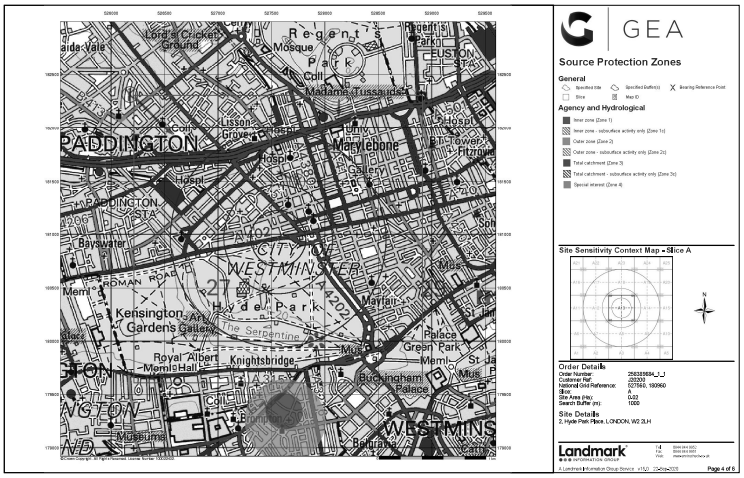
Order Details

Order Number:	250309694_1_1
Customer Ref:	J20300
National Grid Reference:	527560, 180960
Slice:	A
Site Area (Ha):	0.02
Search Buffer (m):	1000

Site Details

2, Hyde Park Place, LONDON, W2 2LH

Landmark INFORMATION GROUP



GEA

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 1s)
- Outer zone (Zone 2)
- Outer zone - subsurface activity only (Zone 2s)
- Total catchment (Zone 3)
- Total catchment - subsurface activity only (Zone 3s)
- Special interest (Zone 4)

Site Sensitivity Context Map - Slice A

Order Details

Order Number:	250309694_1_1
Customer Ref:	J20300
National Grid Reference:	527560, 180960
Slice:	A
Site Area (Ha):	0.02
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Site Details

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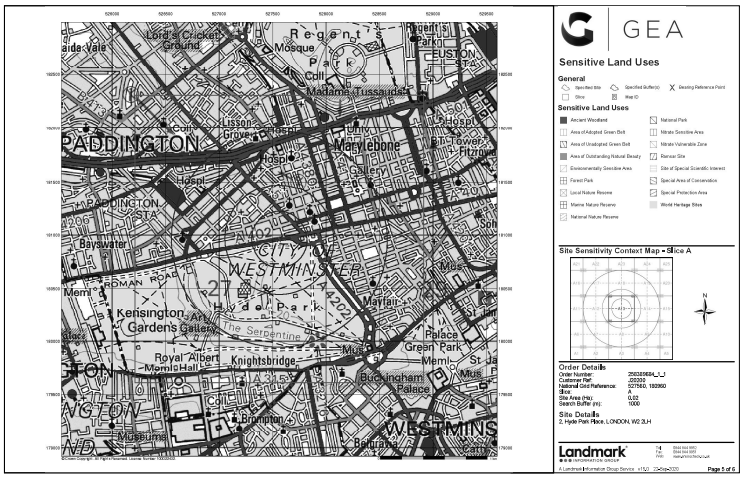
Landmark INFORMATION GROUP



GEA

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 A

Order Details

Order Number:	250309694_1_1
Customer Ref:	J20300
National Grid Reference:	527560, 180960
Slice:	A
Site Area (Ha):	0.02
Search Buffer (m):	1000

Site Details

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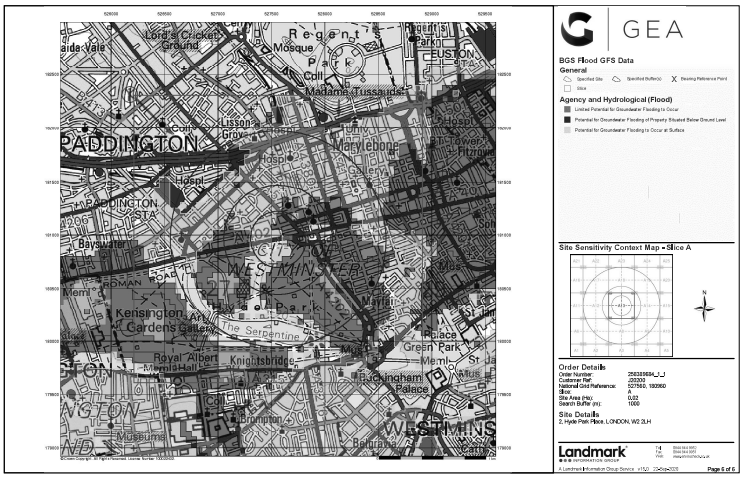
Landmark INFORMATION GROUP



GEA

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

Order Details

Order Number:	250309694_1_1
Customer Ref:	J20300
National Grid Reference:	527560, 180960
Slice:	A
Site Area (Ha):	0.02
Search Buffer (m):	1000

Site Details

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Landmark INFORMATION GROUP