

Appendix B Groundsure Report



Maund Geo- Consulting Ltd
20, Mortlake Avenue,
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Groundsure Reference: HMD-2443181
Your Reference: Stukeley_Street
Report Date 14 Sep 2015
Report Delivery Method: Email - pdf

Groundsure Enviroinsight

Address: 10A, STUKELEY STREET, LONDON, WC2B 5LQ

Dear Sir/ Madam,

Thank you for placing your order with Groundsure. Please find enclosed the **Groundsure Enviroinsight** as requested.

If you need any further assistance, please do not hesitate to contact our helpline on 08444 159000 quoting the above Groundsure reference number.

Yours faithfully,

Managing Director
Groundsure Limited

Enc.
Groundsure Enviroinsight



Groundsure Enviroinsight

Address: 10A, STUKELEY STREET, LONDON, WC2B 5LQ

Date: 14 Sep 2015

Reference: HMD-2443181

Client: Maund Geo- Consulting Ltd

NW

N

NE

W

E



SW

S

SE

Aerial Photograph Capture date: 20-Apr-2013

Grid Reference: 530303,181335

Site Size: 0.04ha

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Overview of Findings

For further details on each dataset, please refer to each individual section in the main report as listed. Where the database has been searched a numerical result will be recorded. Where the database has not been searched '-' will be recorded.

Section 1: Historical Industrial Sites	On-site	0-50	51-250	251-500
1.1 Potentially Contaminative Uses identified from 1:10,000 scale mapping	0	2	17	33
1.2 Additional Information – Historical Tank Database	0	0	4	0
1.3 Additional Information – Historical Energy Features Database	0	5	2	29
1.4 Additional Information – Historical Petrol and Fuel Site Database	0	0	0	0
1.5 Additional Information – Historical Garage and Motor Vehicle Repair Database	0	0	1	10
1.6 Potentially Infilled Land	0	0	0	0
Section 2: Environmental Permits, Incidents and Registers	On-site	0-50m	51-250	251-500
2.1 Industrial Sites Holding Environmental Permits and/or Authorisations				
2.1.1 Records of historic IPC Authorisations	0	0	0	0
2.1.2 Records of Part A(1) and IPPC Authorised Activities	0	0	0	0
2.1.3 Records of Red List Discharge Consents	0	0	0	0
2.1.4 Records of List 1 Dangerous Substances Inventory sites	0	0	0	0
2.1.5 Records of List 2 Dangerous Substances Inventory sites	0	0	0	0
2.1.6 Records of Part A(2) and Part B Activities and Enforcements	0	0	1	4
2.1.7 Records of Category 3 or 4 Radioactive Substances Authorisations	0	0	2	15
2.1.8 Records of Licensed Discharge Consents	0	0	0	0
2.1.9 Records of Water Industry Referrals	0	0	0	0
2.1.10 Records of Planning Hazardous Substance Consents and Enforcements within 500m of the study site	0	0	0	0
2.2 Records of COMAH and NIHHS sites	0	0	0	0
2.3 Environment Agency Recorded Pollution Incidents				
2.3.1 National Incidents Recording System, List 2	0	0	0	1
2.3.2 National Incidents Recording System, List 1	0	0	0	0
2.4 Sites Determined as Contaminated Land under Part 2A EPA 1990	0	0	0	0

Section 3: Landfill and Other Waste Sites	On-site	0-50m	51-250	251-500	501-1000	1000-5000
3.1 Landfill Sites						
3.1.1 Environment Agency Registered Landfill Sites	0	0	0	0	0	Not searched
3.1.2 Environment Agency Historic Landfill Sites	0	0	0	1	0	0
3.1.3 BGS/DoE Landfill Site Survey	0	0	0	0	0	0
3.1.4 Records of Landfills in Local Authority and Historical Mapping Records	0	0	0	0	0	0
3.2 Landfill and Other Waste Sites Findings						
3.2.1 Operational and Non-Operational Waste Treatment, Transfer and Disposal Sites	0	0	0	0	Not searched	Not searched
3.2.2 Environment Agency Licensed Waste Sites	0	0	0	0	0	1

Section 4: Current Land Use	On-site	0-50m	51-250	251-500
4.1 Current Industrial Sites Data	0	5	38	Not searched
4.2 Records of Petrol and Fuel Sites	0	0	0	0
4.3 National Grid Underground Electricity Cables	0	0	0	0
4.4 National Grid Gas Transmission Pipelines	0	0	0	0

Section 5: Geology	
5.1 Are there any records of Artificial Ground and Made Ground present beneath the study site?	No
5.2 Are there any records of Superficial Ground and Drift Geology present beneath the study site?	Yes
5.3 For records of Bedrock and Solid Geology beneath the study site see the detailed findings section.	

Section 6: Hydrogeology and Hydrology	0-500m					
6.1 Are there any records of Strata Classification in the Superficial Geology within 500m of the study site?	Yes					
6.2 Are there any records of Strata Classification in the Bedrock Geology within 500m of the study site?	Yes					
	On-site	0-50m	51-250	251-500	501-1000	1000-2000
6.3 Groundwater Abstraction Licences (within 2000m of the study site)	0	0	0	0	14	97
6.4 Surface Water Abstraction Licences (within 2000m of the study site)	0	0	0	0	0	0
6.5 Potable Water Abstraction Licences (within 2000m of the study site)	0	0	0	0	7	40
6.6 Source Protection Zones (within 500m of the study site)	0	0	0	0	Not searched	Not searched
6.7 Source Protection Zones within Confined Aquifer	0	0	0	0	Not searched	Not searched
6.8 Groundwater Vulnerability and Soil Leaching Potential (within 500m of the study site)	1	0	0	1	Not searched	Not searched
	On-site	0-50m	51-250	251-500	501-1000	1000-1500

Section 6: Hydrogeology and Hydrology				0-500m		
6.9 Is there any Environment Agency information on river quality within 1500m of the study site?	No	No	No	No	No	No
6.10 Detailed River Network entries within 500m of the site	0	0	0	1	Not searched	Not searched
6.11 Surface water features within 250m of the study site	No	No	No	Not searched	Not searched	Not searched

Section 7: Flooding			
7.1 Are there any Environment Agency Zone 2 floodplains within 250m of the study site?	No		
7.2 Are there any Environment Agency Zone 3 floodplains within 250m of the study site?	No		
7.3 What is the Risk of flooding from Rivers and the Sea (RoFRaS) rating for the study site?	Very Low		
7.4 Are there any Flood Defences within 250m of the study site?	No		
7.5 Are there any areas benefiting from Flood Defences within 250m of the study site?	No		
7.6 Are there any areas used for Flood Storage within 250m of the study site?	No		
7.7 What is the maximum BGS Groundwater Flooding susceptibility within 50m of the study site?	Potential at Surface		
7.8 What is the BGS confidence rating for the Groundwater Flooding susceptibility areas?	Moderate		

Section 8: Designated Environmentally Sensitive Sites	On-site	0-50m	51-250	251-500	501-1000	1000-2000
8.1 Records of Sites of Special Scientific Interest (SSSI)	0	0	0	0	0	0
8.2 Records of National Nature Reserves (NNR)	0	0	0	0	0	0
8.3 Records of Special Areas of Conservation (SAC)	0	0	0	0	0	0
8.4 Records of Special Protection Areas (SPA)	0	0	0	0	0	0
8.5 Records of Ramsar sites	0	0	0	0	0	0
8.6 Records of Ancient Woodlands	0	0	0	0	0	0
8.7 Records of Local Nature Reserves (LNR)	0	0	0	0	0	0
8.8 Records of World Heritage Sites	0	0	0	0	0	1
8.9 Records of Environmentally Sensitive Areas	0	0	0	0	0	0
8.10 Records of Areas of Outstanding Natural Beauty (AONB)	0	0	0	0	0	0

Section 8: Designated Environmentally Sensitive Sites	On-site	0-50m	51-250	251-500	501-1000	1000-2000
8.11 Records of National Parks	0	0	0	0	0	0
8.12 Records of Nitrate Sensitive Areas	0	0	0	0	0	0
8.13 Records of Nitrate Vulnerable Zones	0	0	0	0	0	0
8.14 Records of Green Belt land	0	0	0	0	0	0

Section 9: Natural Hazards

9.1 What is the maximum risk of natural ground subsidence?	Moderate
9.1.1 What is the maximum Shrink-Swell hazard rating identified on the study site?	Moderate
9.1.2 What is the maximum Landslides hazard rating identified on the study site?	Very Low
9.1.3 What is the maximum Soluble Rocks hazard rating identified on the study site?	Negligible
9.1.4 What is the maximum Compressible Ground hazard rating identified on the study site?	Negligible
9.1.5 What is the maximum Collapsible Rocks hazard rating identified on the study site?	Very Low
9.1.6 What is the maximum Running Sand hazard rating identified on the study site?	Very Low
9.2 Radon	
9.2.1 Is the property in a Radon Affected Area as defined by the Health Protection Agency (HPA) and if so what percentage of homes are above the Action Level?	The property is not in a Radon Affected Area, as less than 1% of properties are above the Action Level.
9.2.2 Is the property in an area where Radon Protection are required for new properties or extensions to existing ones as described in publication BR211 by the Building Research Establishment?	No radon protective measures are necessary.

Section 10: Mining

10.1 Are there any coal mining areas within 75m of the study site?	No
10.2 Are there any Non-Coal Mining areas within 50m of the study site boundary?	No
10.3 Are there any brine affected areas within 75m of the study site?	No

Using this report

The following report is designed by Environmental Consultants for Environmental Professionals bringing together the most up-to-date market leading environmental data. This report is provided under and subject to the Terms & Conditions agreed between Groundsure and the Client. The document contains the following sections:

1. Historical Industrial Sites

Provides information on past land uses that may pose a risk to the study site in terms of potential contamination from activities or processes. Potentially Infilled Land features are also included. This search is conducted using radii of up to 500m.

2. Environmental Permits, Incidents and Registers

Provides information on Regulated Industrial Activities and Pollution Incidents as recorded by Regulatory Authorities, and sites determined as Contaminated Land. This search is conducted using radii up to 500m.

3. Landfills and Other Waste Sites

Provides information on landfills and other waste sites that may pose a risk to the study site. This search is conducted using radii up to 1500m.

4. Current Land Uses

Provides information on current land uses that may pose a risk to the study site in terms of potential contamination from activities or processes. These searches are conducted using radii of up to 500m. This includes information on potentially contaminative industrial sites, petrol stations and fuel sites as well as high pressure gas pipelines and underground electricity transmission lines.

5. Geology

Provides information on artificial and superficial deposits and bedrock beneath the study site.

6. Hydrogeology and Hydrology

Provides information on productive strata within the bedrock and superficial geological layers, abstraction licenses, Source Protection Zones (SPZs) and river quality. These searches are conducted using radii of up to 2000m.

7. Flooding

Provides information on river and coastal flooding, flood defences, flood storage areas and groundwater flood areas. This search is conducted using radii of up to 250m.

8. Designated Environmentally Sensitive Sites

Provides information on the Sites of Special Scientific Interest (SSSI), National Nature Reserves (NNR), Special Areas of Conservation (SAC), Special Protection Areas (SPA), Ramsar sites, Local Nature Reserves (LNR), Areas of Outstanding Natural Beauty (AONB), National Parks (NP), Environmentally Sensitive Areas, Nitrate Sensitive Areas, Nitrate Vulnerable Zones and World Heritage Sites and Scheduled Ancient Woodland. These searches are conducted using radii of up to 2000m.

9. Natural Hazards

Provides information on a range of natural hazards that may pose a risk to the study site. These factors include natural ground subsidence and radon..

10. Mining

Provides information on areas of coal and non-coal mining and brine affected areas.

11. Contacts

This section of the report provides contact points for statutory bodies and data providers that may be able to provide further information on issues raised within this report. Alternatively, Groundsure provide a free Technical Helpline (08444 159000) for further information and guidance.

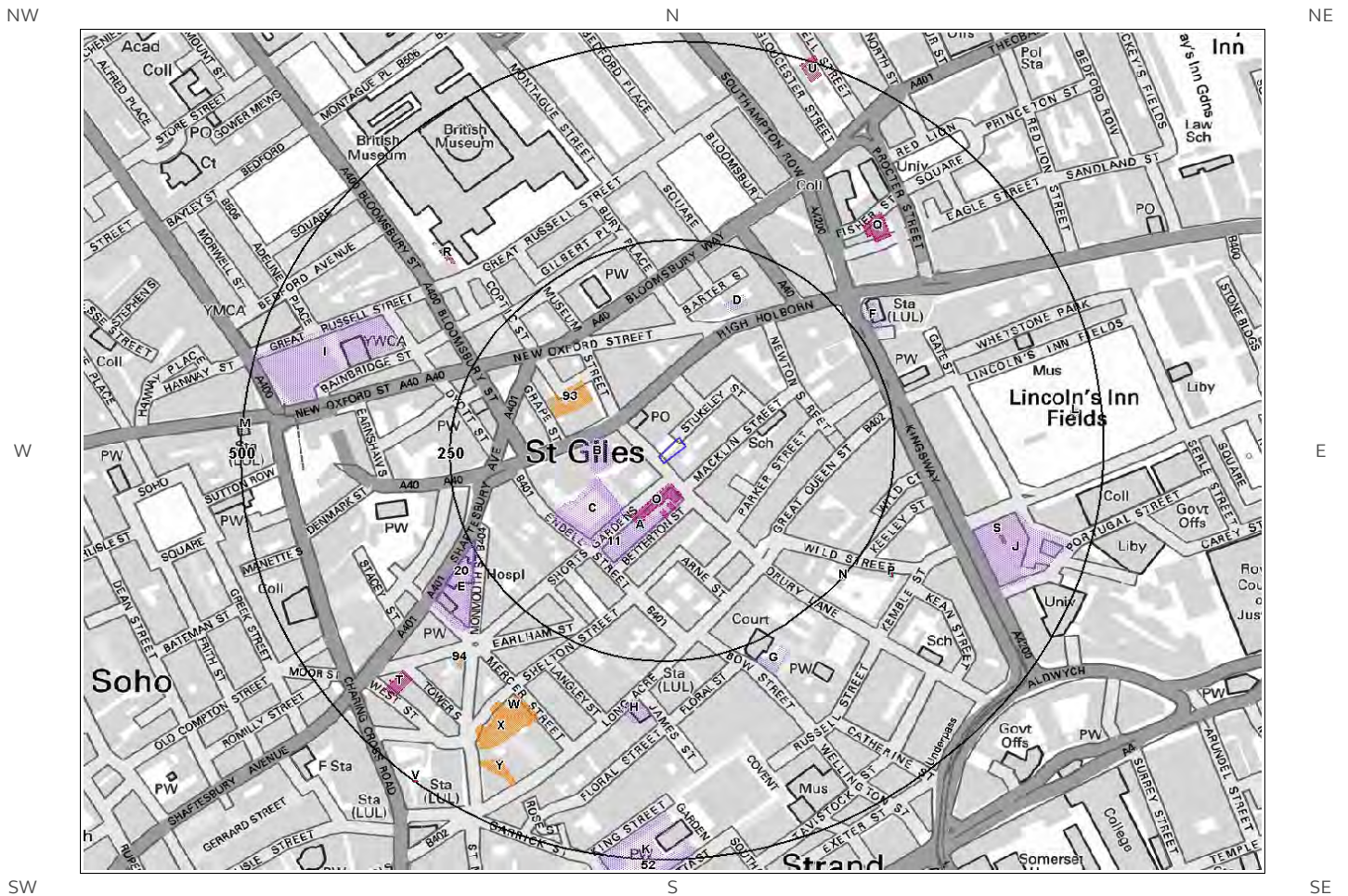
Note: Maps

Only certain features are placed on the maps within the report. All features represented on maps found within this search are given an identification number. This number identifies the feature on the mapping and correlates it to the additional information provided below. This identification number precedes all other information and takes the following format -Id: 1, Id: 2, etc. Where numerous features on the same map are in such close proximity that the numbers would obscure each other a letter identifier is used instead to represent the features. (e.g. Three features which overlap may be given the identifier "A" on the map and would be identified separately as features 1A, 3A, 10A on the data tables provided).

Where a feature is reported in the data tables to a distance greater than the map area, it is noted in the data table as "Not Shown".

All distances given in this report are in Metres (m). Directions are given as compass headings such as N: North, E: East, NE: North East from the nearest point of the study site boundary.

1. Historical Land Use



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1. Historical Industrial Sites

1.1 Potentially Contaminative Uses identified from 1:10,000 scale Mapping

The systematic analysis of data extracted from standard 1:10,560 and 1:10,000 scale historical maps provides the following information:

Records of sites with a potentially contaminative past land use within 500m of the search boundary: 52

ID	Distance [m]	Direction	Use	Date
1A	34	S	Hospital	1976
2A	34	S	Hospital	1971
3B	54	W	Hospital	1976
4B	54	W	Hospital	1994
5B	54	W	Hospital	1966
6B	54	W	Hospital	1971
7B	54	W	Hospital	1957
8C	74	SW	Unspecified Workhouse	1895
9C	74	SW	Unspecified Workhouse	1895
10C	75	SW	Unspecified Workhouse	1898
11	102	SW	Hospital	1966
12D	170	N	Unspecified Station	1938
13D	170	N	Unspecified Station	1920
14E	243	SW	Hospital	1976
15E	243	SW	Hospital	1994
16E	243	SW	Hospital	1971
17E	247	SW	Hospital	1948
18E	250	SW	Hospital	1938
19E	250	SW	Hospital	1920
20	261	SW	Hospital	1966
21F	264	NE	Unspecified Station	1994
22F	264	NE	London Transport Station	1976
23F	264	NE	Unspecified Station	1957
24F	264	NE	London Transport Station	1971
25F	264	NE	Unspecified Station	1966
26F	264	NE	Unspecified Station	1948
27F	266	NE	Unspecified Station	1938
28F	266	NE	Unspecified Station	1920
29G	270	SE	Police Station	1971
30G	270	SE	Police Station	1966
31G	270	SE	Police Station	1976
32H	300	S	Unspecified Station	1948
33H	300	S	Unspecified Station	1938
34H	300	S	Unspecified Station	1920
35H	301	S	Unspecified Station	1971
36H	301	S	Unspecified Station	1976
37H	301	S	Unspecified Station	1994

38H	301	S	Unspecified Station	1966
39I	339	NW	Brewery	1920
40I	339	NW	Brewery	1938
41J	359	E	Hospital	1976
42J	359	E	Hospital	1971
43J	407	E	Hospital	1966
44K	441	S	Hospital	1971
45K	441	S	Hospital	1976
46L	462	E	Unspecified Tank	1994
47L	462	E	Unspecified Tank	1976
48L	462	E	Unspecified Tank	1971
49M	489	W	London Transport Station	1989
50M	489	W	London Transport Station	1968
51M	489	W	London Transport Station	1973
52	497	S	Hospital	1898

1.2 Additional Information – Historical Tank Database

The systematic analysis of data extracted from High Detailed 1:1,250 and 1:2,500 scale historical maps provides the following information.

Records of historical tanks within 500m of the search boundary:

4

ID	Distance (m)	Direction	Use	Date
53N	248	SE	Unspecified Tank	1995
54N	248	SE	Unspecified Tank	1987
55N	248	SE	Unspecified Tank	1991
56N	248	SE	Unspecified Tank	1969

1.3 Additional Information – Historical Energy Features Database

The systematic analysis of data extracted from High Detailed 1:1,250 and 1:2,500 scale historical maps provides the following information.

Records of historical energy features within 500m of the search boundary:

36

ID	Distance (m)	Direction	Use	Date
57O	26	S	Electricity Substation	1951
58O	27	S	Electricity Substation	1967
59O	50	S	Electricity Substation	1991
60O	50	S	Electricity Substation	1983
61O	50	S	Electricity Substation	1983
62O	58	S	Electricity Substation	1993
63O	58	S	Electricity Substation	1991
64P	291	SE	Electricity Substation	1987

65P	291	SE	Electricity Substation	1991
66P	292	SE	Electricity Substation	1995
67P	292	SE	Electricity Substation	1967
68P	292	SE	Electricity Substation	1951
69P	292	SE	Electricity Substation	1969
70P	293	SE	Electricity Substation	1967
71Q	339	NE	Electricity Substation	1951
72Q	340	NE	Electricity Substation	1967
73Q	340	NE	Electricity Substation	1995
74Q	341	NE	Electricity Substation	1990
75Q	341	NE	Electricity Substation	1991
76R	344	NW	Electricity Substation	1991
77R	379	NW	Electricity Substation	1987
78S	385	E	Electricity Substation	1967
79S	391	E	Electricity Substation	1951
80T	406	SW	Electricity Substation	1951
81T	425	SW	Electricity Substation	1951
82U	476	N	Electricity Substation	1951
83U	489	N	Electricity Substation	1967
84V	494	SW	Electricity Substation	1951
85V	495	SW	Electricity Substation	1951
86V	495	SW	Electricity Substation	1986
87V	495	SW	Electricity Substation	1969
88V	495	SW	Electricity Substation	1994
89V	495	SW	Electricity Substation	1993
90V	496	SW	Electricity Substation	1992
91V	496	SW	Electricity Substation	1991
92V	496	SW	Electricity Substation	1984

1.4 Additional Information – Historical Petrol and Fuel Site Database

The systematic analysis of data extracted from High Detailed 1:1,250 and 1:2,500 scale historical maps provides the following information.

Records of historical petrol stations and fuel sites within 500m of the search boundary: 0

Database searched and no data found.

1.5 Additional Information – Historical Garage and Motor Vehicle Repair Database

The systematic analysis of data extracted from High Detailed 1:1,250 and 1:2,500 scale historical maps provides the following information.

Records of historical garage and motor vehicle repair sites within 500m of the search boundary: 11

ID	Distance (m)	Direction	Use	Date
----	--------------	-----------	-----	------

93	107	NW	Garage	1963
94	339	SW	Garage	1982
95W	340	SW	Garage	1967
96W	340	SW	Garage	1951
97W	342	SW	Garage	1951
98X	353	SW	Garage	1951
99X	354	SW	Garage	1952
100Y	422	SW	Garage	1963
101Y	423	SW	Garage	1975
102Y	423	SW	Garage	1951
103Y	423	SW	Garage	1962

1.6 Potentially Infilled Land

Records of Potentially Infilled Features from 1:10,000 scale mapping within 500m of the study site:

0

Database searched and no data found.

2. Environmental Permits, Incidents and Registers Map



Mapping sourced from **Ordnance Survey**

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- | | |
|-------------------------------|--|
| Recorded Pollution Incident | RAS 3 & 4 Authorisations |
| Site Outline | Part A(1) Authorised Processes and Historic IPC Authorisations |
| Dangerous Substances (List 1) | Part A(2) and Part B Authorised Processes |
| Dangerous Substances (List 2) | COMAH / NIHHS Sites |
| Water Industry Referrals | Sites Determined as Contaminated Land |
| Licenced Discharge Consents | Hazardous Substance Consents and Enforcements |
| Red List Discharge Consents | |

2. Environmental Permits, Incidents and Registers

2.1 Industrial Sites Holding Licences and/or Authorisations

Searches of information provided by the Environment Agency and Local Authorities reveal the following information:

2.1.1 Records of historic IPC Authorisations within 500m of the study site:

0

Database searched and no data found.

2.1.2 Records of Part A(1) and IPPC Authorised Activities within 500m of the study site:

0

Database searched and no data found.

2.1.3 Records of Red List Discharge Consents (potentially harmful discharges to controlled waters) within 500m of the study site:

0

Database searched and no data found.

2.1.4 Records of List 1 Dangerous Substances Inventory Sites within 500m of the study site:

0

Database searched and no data found.

2.1.5 Records of List 2 Dangerous Substance Inventory Sites within 500m of the study site:

0

Database searched and no data found.

2.1.6 Records of Part A(2) and Part B Activities and Enforcements within 500m of the study site:

5

The following Part A(2) and Part B Activities are represented as points on the Environmental Permits, Incidents and Registers Map:

ID	Distance (m)	Direction	NGR	Details
2F	161	SE	530385 181187	Address: Tuxedo Express, 40 Drury Lane, WC2B 5RR Process: Dry Cleaning Processes Status: Current Permit Permit Type: Part B Enforcement: No Enforcement Notified Date of Enforcement: No Enforcement Notified Comment: No Enforcement Notified
3A	291	SW	530074 181124	Address: Seven Dials Dry Cleaners, 37 Monmouth Street, WC2H 9DD Process: Dry Cleaner Status: Current Permit Permit Type: Part B Enforcement: No Enforcement Notified Date of Enforcement: No Enforcement Notified Comment: No Enforcement Notified
4A	291	SW	530074 181124	Address: Seven Dials Dry Cleaners, 37 Monmouth Street, WC2H 9DD Process: Dry Cleaner Status: Historical Permit Permit Type: Part B Enforcement: No Enforcement Notified Date of Enforcement: No Enforcement Notified Comment: No Enforcement Notified
5B	407	SW	529940 181111	Address: Valentino Dry Cleaners, Unit 5 125 Shaftesbury Avenue, WC2H 8AD Process: Dry Cleaner Status: Current Permit Permit Type: Part B Enforcement: No Enforcement Notified Date of Enforcement: No Enforcement Notified Comment: No Enforcement Notified
6B	407	SW	529940 181111	Address: Valentino Dry Cleaners, Unit 5 125 Shaftesbury Avenue, WC2H 8AD Process: Dry Cleaner Status: Historical Permit Permit Type: Part B Enforcement: No Enforcement Notified Date of Enforcement: No Enforcement Notified Comment: No Enforcement Notified

2.1.7 Records of Category 3 or 4 Radioactive Substances Authorisations:

17

The following RAS Licence (3 or 4) records are represented as points on the Environmental Permits, Incidents and Registers Map:

ID	Distance (m)	Direction	NGR	Address	Operator	Type	Permission Number	Dates	Status
24F	160	SE	530400 181200	King's College London, 26-29 Drury Lane, London, WC2B 5RL	King's College London	Disposal Of Radioactive Waste (was Rsa60 Section 6).	AA2160	Date of Approval: 29/10/1993 Effective from: 26/11/1993 Last date of update: 2015-01-01	Revoked/cancelled
25G	187	W	530100 181300	St Pauls Hospital Nhs Trust, Endell St, London, WC2H 9AE	St Pauls Hospital Nhs Trust	-	AE7147	Date of Approval: 31/3/1991 Effective from: 31/3/1991 Last date of update: 2015-01-01	Revoked/cancelled

ID	Distance (m)	Direction	NGR	Address	Operator	Type	Permission Number	Dates	Status
26H	315	NE	530500 181600	York Cameras (london) Ltd, 1 Victoria Colonade, Southampton Row, London, WC1	York Cameras (london) Ltd	Disposal Of Radioactive Waste (was Rsa60 Section 6).	AR3933	Date of Approval:1/4/1991 Effective from:1/4/1991 Last date of update:2015-01-01	Revoked/cancelled
27C	389	E	530690 181230	Cancer Research Uk, 61 Lincolns Inn Fields,holborn, London, WC2A 3PX	Cancer Research Uk	Keeping And Use Of Radioactive Materials (was Rsa60 Section 1).	AL1032	Date of Approval:31-3-1991 Effective from:31-3-1991 Last date of update:2005-01-06	Superseded By Variation
28C	389	E	530690 181230	Cancer Research Uk, Health And Safety Department,room A5 Cancer Research Uk,44 Lincolns Inn Fields, London, WC2A 3PX	Cancer Research Uk	Keeping And Use Of Radioactive Materials (was Rsa60 Section 1).	AL1032	Date of Approval:24/5/2002 Effective from:24/5/2002 Last date of update:2015-01-01	Superseded By Variation
29C	389	E	530690 181230	Cancer Research Uk, Health And Safety Department,room A5 Cancer Research Uk,44 Lincolns Inn Fields, London, WC2A 3PX	Cancer Research Uk	Keeping And Use Of Radioactive Materials (was Rsa60 Section 1).	AL1032	Date of Approval:28/4/2008 Effective from:28/4/2008 Last date of update:2015-01-01	Effective
30C	389	E	530690 181230	Cancer Research Uk, Health And Safety Department,room A5 Cancer Research Uk,44 Lincolns Inn Fields, London, WC2A 3PX	Cancer Research Uk	Keeping And Use Of Radioactive Materials (was Rsa60 Section 1).	AL1032	Date of Approval:31/1/1994 Effective from:31/1/1994 Last date of update:2015-01-01	Superseded By New Application
31D	409	NW	530100 181700	British Museum, Scientific Research, Great Russell Street, London, WC1B 3DG	British Museum	Disposal Of Radioactive Waste (was Rsa60 Section 6).	BF3141	Date of Approval:6/9/1999 Effective from:1/10/1999 Last date of update:2015-01-01	Superseded By Variation
32D	409	NW	530100 181700	British Museum, Scientific Research, Great Russell Street, London, WC1B 3DG	British Museum	Disposal Of Radioactive Waste (was Rsa60 Section 6).	BF3141	Date of Approval:5/1/2006 Effective from:5/1/2006 Last date of update:2015-01-01	Revoked/cancelled
33D	409	NW	530100 181700	British Museum, Scientific Research, Great Russell Street, London, WC1B 3DG	British Museum	Disposal Of Radioactive Waste (was Rsa60 Section 6).	BF3141	Date of Approval:1/12/2003 Effective from:1/1/2004 Last date of update:2015-01-01	Superseded By Variation

ID	Distance (m)	Direction	NGR	Address	Operator	Type	Permission Number	Dates	Status
34D	409	NW	530100 181700	British Museum, Scientific Research, great Russell Street, London, WC1B 3DG	British Museum	Keeping And Use Of Radioactive Materials (was Rsa60 Section 1).	BF3133	Date of Approval:6/9/1999 Effective from:6/9/1999 Last date of update:2015-01- 01	Revoked/ca nulled
35E	485	E	530800 181300	Cancer Research Uk, 44 Lincolns Inn Fields, Holborn, London, WC2A 3PX	Cancer Research Uk	Disposal Of Radioactive Waste (was Rsa60 Section 6).	AL1059	Date of Approval:24/10/19 97 Effective from:24/10/1997 Last date of update:2015-01- 01	Superseded By New Application
36E	485	E	530800 181300	Cancer Research Uk, 44 Lincolns Inn Fields, Holborn, London, WC2A 3PX	Cancer Research Uk	Disposal Of Radioactive Waste (was Rsa60 Section 6).	AL1059	Date of Approval:5/1/2006 Effective from:5/1/2006 Last date of update:2015-01- 01	Superseded By Variation
37E	485	E	530800 181300	Royal College Of Surgeons Of England, Royal College Surgeons, Department Of Biophysics, 35/43 Lincolns Inn Fields, London, WC2A 3PN	Royal College Of Surgeon s Of England	Disposal Of Radioactive Waste (was Rsa60 Section 6).	AD6765	Date of Approval:31/3/199 1 Effective from:31/3/1991 Last date of update:2015-01- 01	Revoked/ca nulled
38E	485	E	530800 181300	Cancer Research Uk, 44 Lincolns Inn Fields, Holborn, London, WC2A 3PX	Cancer Research Uk	Disposal Of Radioactive Waste (was Rsa60 Section 6).	AL1059	Date of Approval:28/4/200 8 Effective from:26/5/2008 Last date of update:2015-01- 01	Effective
39E	485	E	530800 181300	Cancer Research Uk, 44 Lincolns Inn Fields, Holborn, London, WC2A 3PX	Cancer Research Uk	Disposal Of Radioactive Waste (was Rsa60 Section 6).	AL1059	Date of Approval:24/5/200 2 Effective from:21/6/2002 Last date of update:2015-01- 01	Superseded By Variation
40E	485	E	530800 181300	Cancer Research Uk, 44 Lincolns Inn Fields, Holborn, London, WC2A 3PX	Cancer Research Uk	Disposal Of Radioactive Waste (was Rsa60 Section 6).	AL1059	Date of Approval:26/8/199 4 Effective from:23/9/1994 Last date of update:2015-01- 01	Superseded By Variation

2.1.8 Records of Licensed Discharge Consents within 500m of the study site:

0

Database searched and no data found.

2.1.9 Records of Water Industry Referrals (potentially harmful discharges to the public sewer) within 500m of the study site:

0

Database searched and no data found.

2.1.10 Records of Planning Hazardous Substance Consents and Enforcements within 500m of the study site:

0

Database searched and no data found.

2.2 Dangerous or Hazardous Sites

Records of COMAH & NIHHS sites within 500m of the study site:

0

Database searched and no data found.

2.3 Environment Agency Recorded Pollution Incidents

2.3.1 Records of National Incidents Recording System, List 2 within 500m of the study site:

1

The following NIRS List 2 records are represented as points on the Environmental Permits, Incidents and Registers Map:

ID	Distance (m)	Direction	NGR	Details	
1	482	W	529804 181358	Incident Date: 16-Feb-2003 Incident Identification: 137183 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Smoke	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)

2.3.2 Records of National Incidents Recording System, List 1 within 500m of the study site:

0

Database searched and no data found.

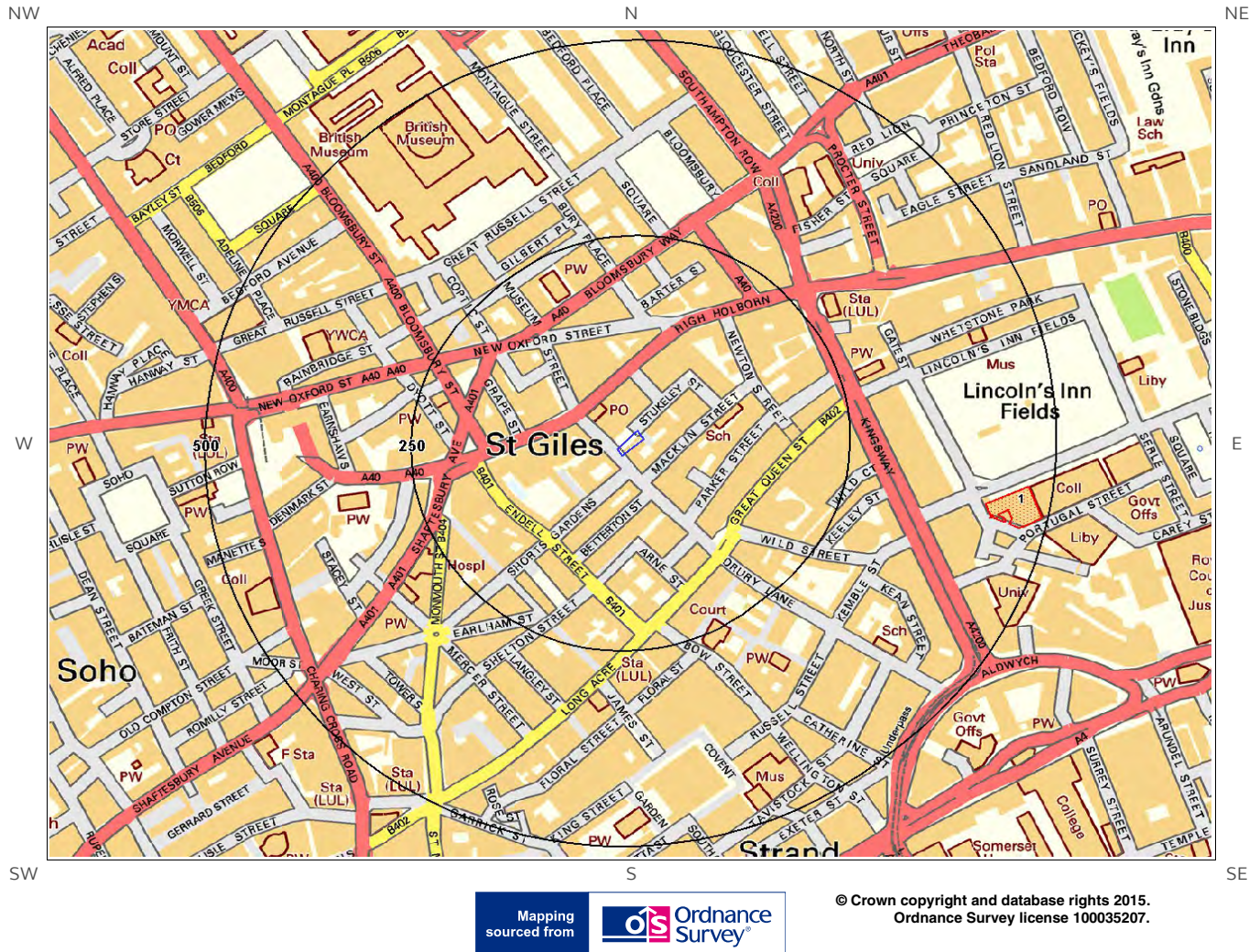
2.4 Sites Determined as Contaminated Land under Part 2A EPA 1990









How many records of sites determined as contaminated land under Section 78R of the Environmental Protection Act 1990 are there within 500m of the study site?

0

Database searched and no data found.

3. Landfill and Other Waste Sites Map



- | | | |
|--|---|---|
|  Site Outline |  E.A. Active Landfill |  Historic and Planned Waste Sites |
|  Search Buffers (m) |  E.A. Historic Landfill |  E.A. Licensed Waste Site |
| |  BGS / DoE Survey Landfill |  Local Authority/Historical Mapping Landfill Records |

3. Landfill and Other Waste Sites

3.1 Landfill Sites

3.1.1 Records from Environment Agency landfill data within 1000m of the study site:

0

Database searched and no data found.

3.1.2 Records of Environment Agency historic landfill sites within 1500m of the study site:

1

The following landfill records are represented as either points or polygons on the Landfill and Other Waste Sites map:

ID	Distance (m)	Direction	NGR	Details
1	422	E	530700 181200	<div> <div>Site Address: Portugal Street, Lincoln's Inn Fields, London WC2A</div> <div>Waste Licence: -</div> <div>Site Reference: IMP006</div> <div>Waste Type: -</div> <div>Environmental Permitting Regulations (Waste) Reference: -</div> <div>Licence Issue:</div> <div>Licence Surrendered:</div> <div>Licence Hold Address: -</div> <div>Operator: -</div> <div>First Recorded: -</div> <div>Last Recorded: -</div> </div>

3.1.3 Records of BGS/DoE non-operational landfill sites within 1500m of the study site:

0

Database searched and no data found.

3.1.4 Records of Landfills from Local Authority and Historical Mapping Records within 1500m of the study site:

0

Database searched and no data found.

3.2 Other Waste Sites

3.2.1 Records of waste treatment, transfer or disposal sites within 500m of the study site:

0

Database searched and no data found.

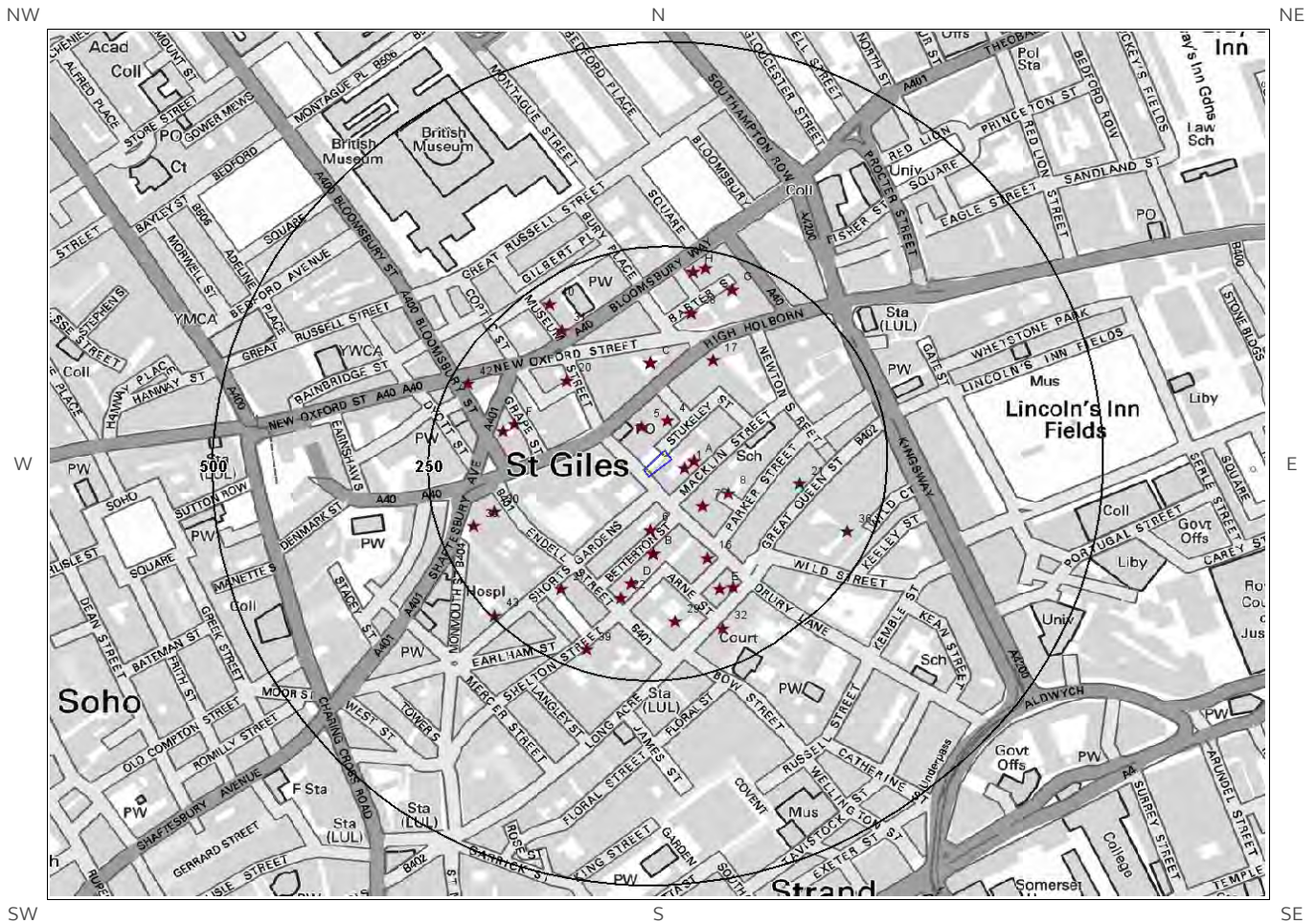
3.2.2 Records of Environment Agency licensed waste sites within 1500m of the study site:

1

The following waste treatment, transfer or disposal sites records are represented as points on the Landfill and Other Waste Sites map:


ID	Distance (m)	Direction	NGR	Details
Not shown	1363	S	530781 180046	<p>Site Address: London Underground Ltd, Jubilee Gardens, Belvedere Road, London, SE1 7PJ</p> <p>Type: Household, Commercial & Industrial Waste T Stn</p> <p>Size: >= 75000 tonnes</p> <p>Environmental Permitting Regulations (Waste) Licence Number: LON002</p> <p>EPR reference: EA/EPR/TP3990EG/S002</p> <p>Operator: London Underground Ltd</p> <p>Waste Management licence No: 83290</p> <p>Annual Tonnage: 25000.0</p> <p>Issue Date: 08/06/1993</p> <p>Effective Date: -</p> <p>Modified: -</p> <p>Surrendered Date: 07/10/1998</p> <p>Expiry Date: -</p> <p>Cancelled Date: -</p> <p>Status: Surrendered</p> <p>Site Name: Jubilee Gdns, Belvedere Rd, SE1</p> <p>Correspondence Address: -, -</p>


4. Current Land Use Map




Mapping sourced from  Ordnance Survey


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 Site Outline

 Current Industrial Sites

 Electricity Transmission Cables

 Search Buffers (m)
— 250 —
— 500 —

 Petrol & Fuel Sites

 Gas Transmission Pipelines

4. Current Land Uses

4.1 Current Industrial Data

Records of potentially contaminative industrial sites within 250m of the study site:

43

The following records are represented as points on the Current Land Uses map.

ID	Distance (m)	Direction	Company	NGR	Address	Activity	Category
1	18	SE	Maxim	530331 181329	11-13, Macklin Street, London, WC2B 5NH	Published Goods	Industrial Products
2A	25	E	The Hub London	530342 181336	11-13, Macklin Street, London, WC2B 5NH	Published Goods	Industrial Products
3A	25	E	Convent Garden Laminates	530342 181336	11-13, Macklin Street, London, WC2B 5NH	Published Goods	Industrial Products
4	38	N	H H Saudi Research & Marketing Ltd	530312 181386	Arab Press House 182-184, High Holborn, London, WC1V 7AP	Published Goods	Industrial Products
5	40	NW	Thames & Hudson	530282 181379	181a, High Holborn, London, WC1V 7QX	Published Goods	Industrial Products
6	65	S	Electricity Sub Station	530292 181253	WC2H	Electrical Features	Infrastructure and Facilities
7	67	SE	Aneata Print	530352 181282	170, Drury Lane, London, WC2B 5PD	Published Goods	Industrial Products
8	78	SE	Aldwych Workshops	530383 181298	WC2B	Unspecified Works Or Factories	Industrial Features
9B	94	S	Travnik	530295 181224	71-75, Shelton Street, London, WC2H 9JQ	Published Goods	Industrial Products
10B	94	S	Atelier London Ltd	530295 181224	71-75, Shelton Street, London, WC2H 9JQ	Business Parks and Industrial Estates	Industrial Features
11B	94	S	Medisafety Ltd	530295 181224	71-75, Shelton Street, London, WC2H 9JQ	Medical Equipment, Supplies and Pharmaceuticals	Industrial Products
12B	94	S	Inviso Media	530295 181224	71-75, Shelton Street, London, WC2H 9JQ	Aeroplanes	Industrial Products
13C	109	N	Embiricos Ship Brokers Ltd	530292 181456	Commonwealth House 1-19, New Oxford Street, London, WC1A 1NU	Distribution and Haulage	Transport, Storage and Delivery
14C	109	N	K I	530292 181456	Commonwealth House 149-153, High Holborn, London, WC1V 6PJ	Office and Shop Equipment	Industrial Products
15C	109	N	Copy Express	530292 181456	15-17, New Oxford Street, London, WC1A 1BA	Published Goods	Industrial Products
16	120	SE	Orange Print Ltd	530358 181218	4-6, Dryden Street, London, WC2E 9NH	Published Goods	Industrial Products
17	125	NE	Greenenergy	530364 181460	198, High Holborn, London, WC1V 7BD	Fuel Distributors and Suppliers	Household, Office, Leisure and Garden

ID	Distance (m)	Direction	Company	NGR	Address	Activity	Category
18D	132	S	World Scientific	530269 181187	57, Shelton Street, London, WC2H 9HE	Published Goods	Industrial Products
19D	132	S	Imperial College Press	530269 181187	57, Shelton Street, London, WC2H 9HE	Published Goods	Industrial Products
20	141	NW	Angel Mini Cabs	530195 181435	10, Museum Street, London, WC1A 1JS	Vehicle Hire and Rental	Hire Services
21	151	E	Central Regalia Ltd	530465 181309	23, Great Queen Street, London, WC2B 5BB	Medals, Trophies, Ceremonial and Religious Goods	Consumer Products
22	151	S	Liberation	530258 181170	49, Shelton Street, London, WC2H 9HE	Rubber, Silicones and Plastics	Industrial Products
23E	159	SE	K W T Printing Services Ltd	530372 181180	80, Long Acre, London, WC2E 9NG	Published Goods	Industrial Products
24F	160	W	Violette Editions	530135 181382	16, Grape Street, London, WC2H 8DY	Published Goods	Industrial Products
25E	166	SE	Ozone Galleries Ltd	530387 181182	78, Long Acre, London, WC2E 9NG	Jewellery, Gems, Clocks and Watches	Consumer Products
26F	170	W	printing.com	530121 181373	212, Shaftesbury Avenue, London, WC2H 8EB	Published Goods	Industrial Products
27	171	SW	Do	530189 181180	34, Shorts Gardens, London, WC2H 9PX	Lampshades and Lighting	Consumer Products
28	172	N	Infinity Motorcycles	530339 181518	Holborn Tower 137, High Holborn, London, WC1V 6PW	Vehicle Parts and Accessories	Motoring
29	180	S	Panache Chauffeur Hire Ltd	530321 181141	90 Long Acre, Covent Garden, London, WC2E 9RZ	Vehicle Hire and Rental	Hire Services
30	180	W	Picking Pack Service Point	530112 181275	81, Endell Street, London, WC2H 9UA	Published Goods	Industrial Products
31	190	NW	Fantastic Woman Ltd	530190 181497	Flat 1 Tavistock Chambers 40, Bloomsbury Way, London, WC1A 2SE	Published Goods	Industrial Products
32	204	SE	Hansa Hydrocarbons	530376 181133	67-68, Long Acre, London, WC2E 9JD	Special Purpose Machinery and Equipment	Industrial Products
33	209	W	Arthur Beale Ltd	530087 181257	194, Shaftesbury Avenue, London, WC2H 8JP	Marine Equipment Including Boats and Ships	Industrial Products
34G	212	N	London City Print	530386 181546	18-20, Barter Street, London, WC1A 2AH	Published Goods	Industrial Products
35G	212	N	London City Print	530386 181546	18-20, Barter Street, London, WC1A 2AH	Plate Makers, Print Finishers and Type Setters	IT, Advertising, Marketing and Media Services
36	221	SE	Chimney	530520 181251	WC2B	Chimneys	Industrial Features
37H	222	N	Swedenborg Society Ltd	530341 181568	21, Bloomsbury Way, London, WC1A 2TH	Published Goods	Industrial Products
38H	222	N	Pickering & Chatto	530341 181568	21, Bloomsbury Way, London, WC1A 2TH	Published Goods	Industrial Products
39	223	S	Lola's Cupcakes	530218 181107	16, Neal Street, London, WC2H 9LY	Baking and Confectionery	Foodstuffs
40	224	NW	Aperture Photographic	530175 181528	44, Museum Street, London, WC1A 1LY	Photographic and Optical Equipment	Household, Office, Leisure and Garden
41H	229	N	Henshall & Sheehy Support Service	530356 181573	4, Bloomsbury Square, London, WC1A 2RL	Construction Completion Services	Construction Services

ID	Distance (m)	Direction	Company	NGR	Address	Activity	Category
42	230	NW	James Smith & Sons Ltd	530081 181431	53, New Oxford Street, London, WC1A 1BL	Luggage, Bags, Umbrellas and Travel Accessories	Consumer Products
43	247	SW	Neals Yard Dairy	530111 181148	17, Shorts Gardens, London, WC2H 9AT	Dairy Farming	Farming

4.2 Petrol and Fuel Sites

Records of petrol or fuel sites within 500m of the study site:

0

Database searched and no data found.

4.3 National Grid High Voltage Underground Electricity Transmission Cables

This dataset identifies the high voltage electricity transmission lines running between generating power plants and electricity substations. The dataset does not include the electricity distribution network (smaller, lower voltage cables distributing power from substations to the local user network). This information has been extracted from databases held by National Grid and is provided for information only with no guarantee as to its completeness or accuracy. National Grid do not offer any warranty as to the accuracy of the available data and are excluded from any liability for any such inaccuracies or errors.

Records of National Grid high voltage underground electricity transmission cables within 500m of the study site:

0

Database searched and no data found.

4.4 National Grid High Pressure Gas Transmission Pipelines

This dataset identifies high-pressure, large diameter pipelines which carry gas between gas terminals, power stations, compressors and storage facilities. The dataset does not include the Local Transmission System (LTS) which supplies gas directly into homes and businesses. This information has been extracted from databases held by National Grid and is provided for information only with no guarantee as to its completeness or accuracy. National Grid do not offer any warranty as to the accuracy of the available data and are excluded from any liability for any such inaccuracies or errors.

Records of National Grid high pressure gas transmission pipelines within 500m of the study site:

0

Database searched and no data found.

5. Geology

5.1 Artificial Ground and Made Ground

Database searched and no data found.

The database has been searched on site, including a 50m buffer.

5.2 Superficial Ground and Drift Geology

The database has been searched on site, including a 50m buffer.

Lex Code	Description	Rock Type
LHGR	LYNCH HILL GRAVEL MEMBER	SAND AND GRAVEL [UNLITHIFIED DEPOSITS CODING SCHEME]

5.3 Bedrock and Solid Geology

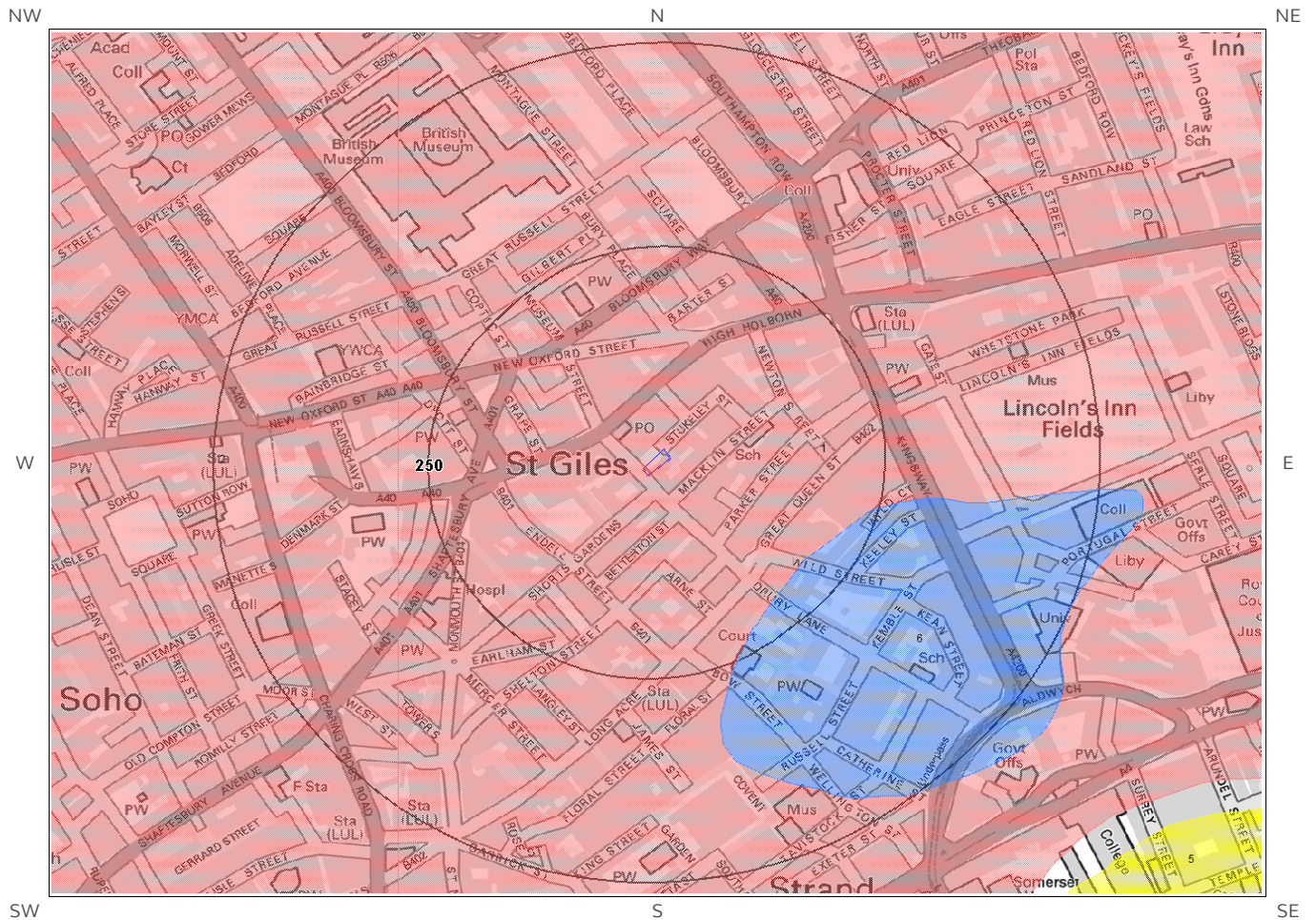
The database has been searched on site, including a 50m buffer.

Lex Code	Description	Rock Type
LC-CLSISA	LONDON CLAY FORMATION	CLAY, SILT AND SAND

(Derived from the BGS 1:50,000 Digital Geological Map of Great Britain)

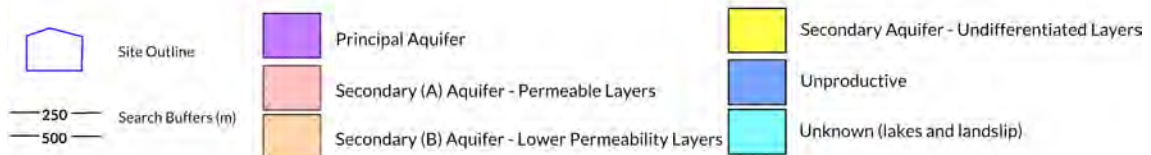
6 Hydrogeology and Hydrology

6a. Aquifer Within Superficial Geology

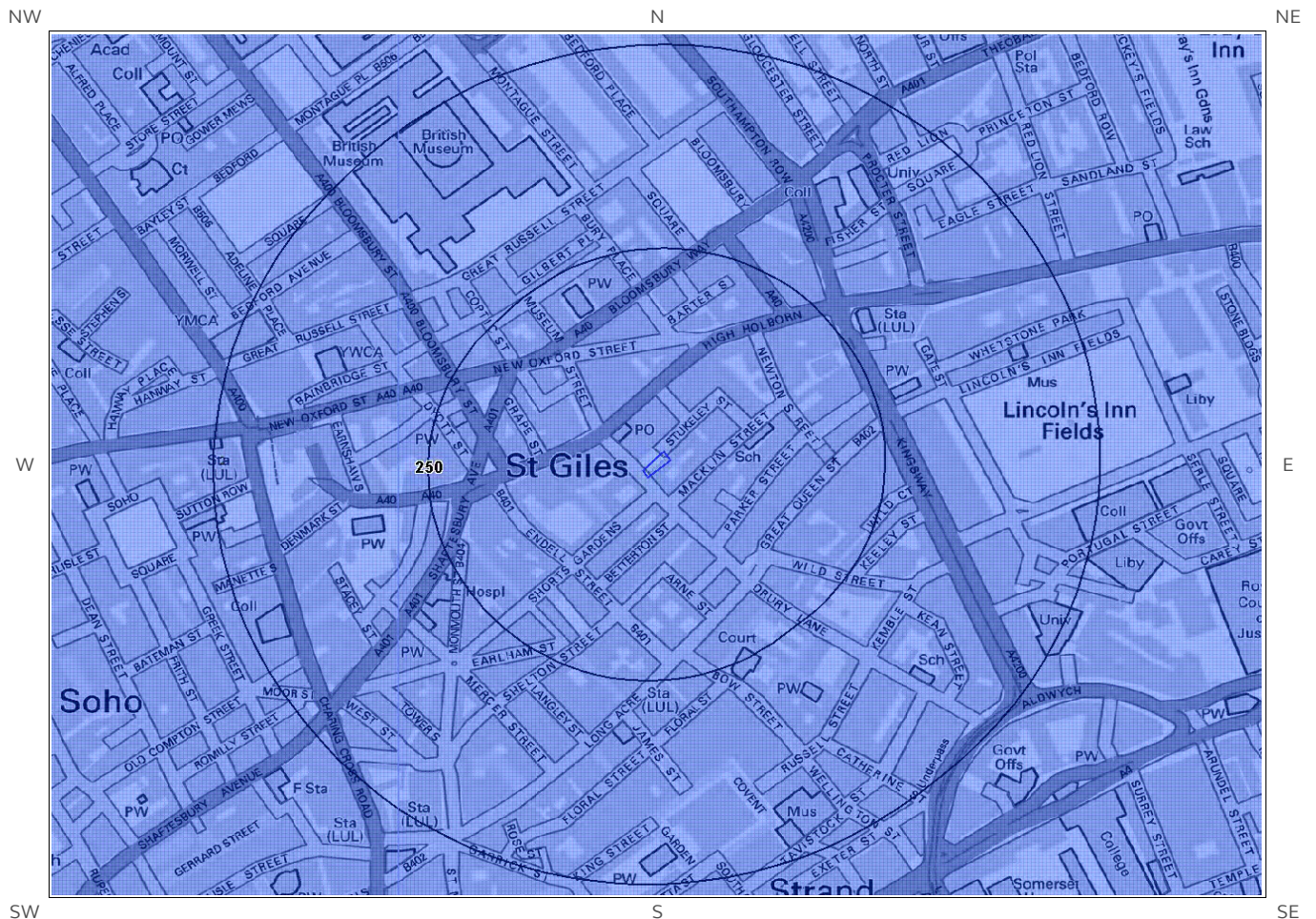


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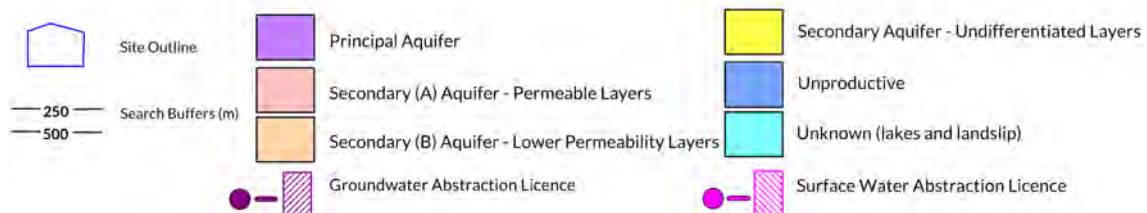


6b. Aquifer Within Bedrock Geology and Abstraction Licenses

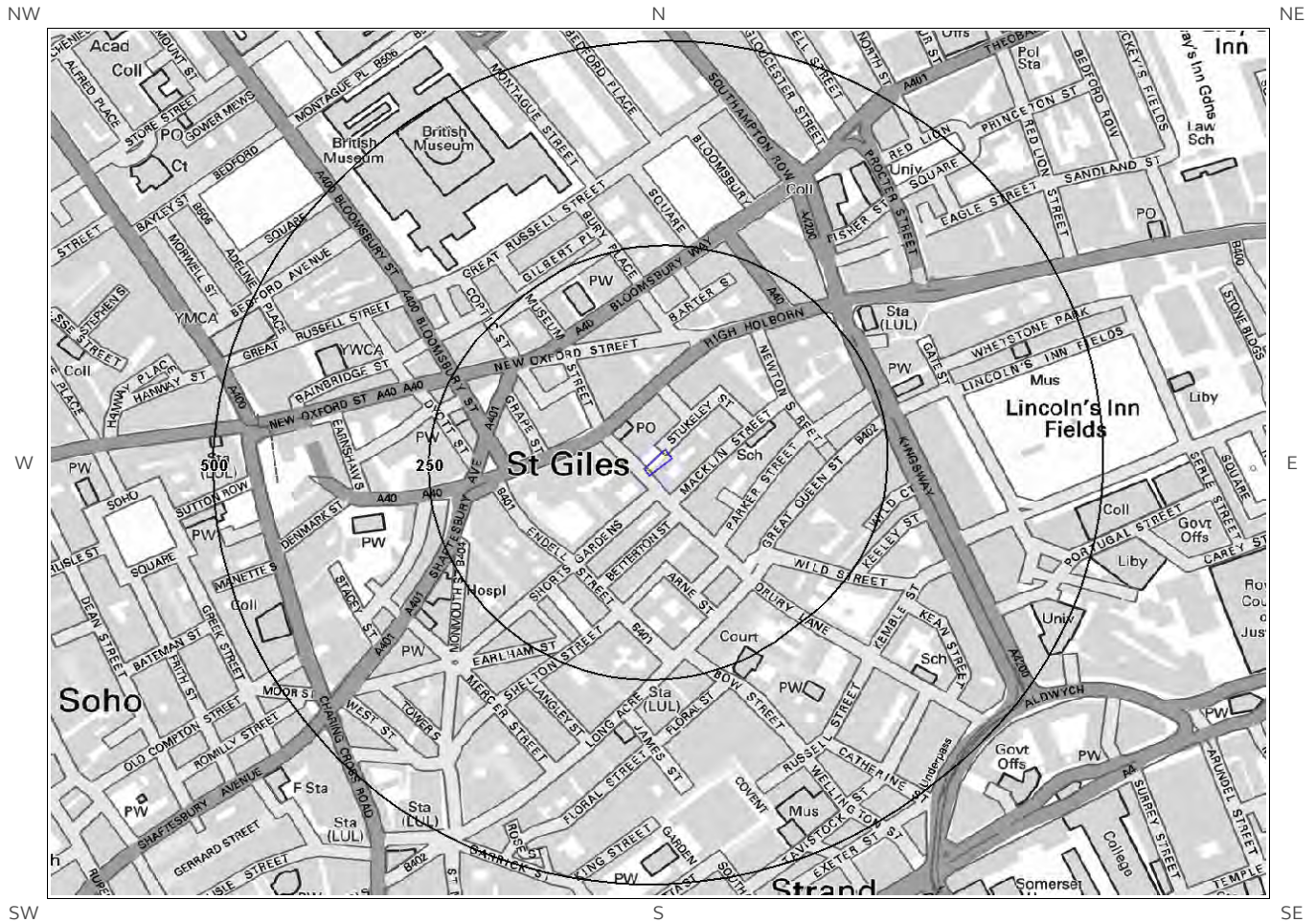


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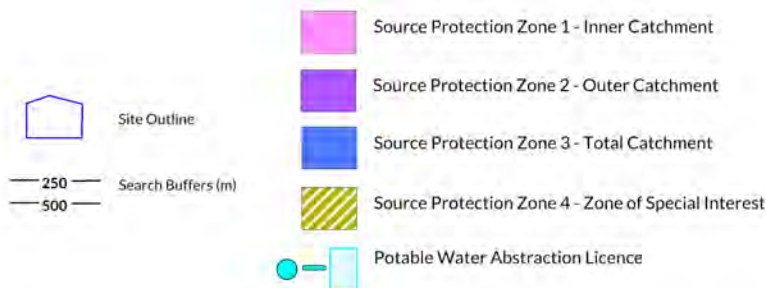


6c. Hydrogeology – Source Protection Zones and Potable Water Abstraction Licenses

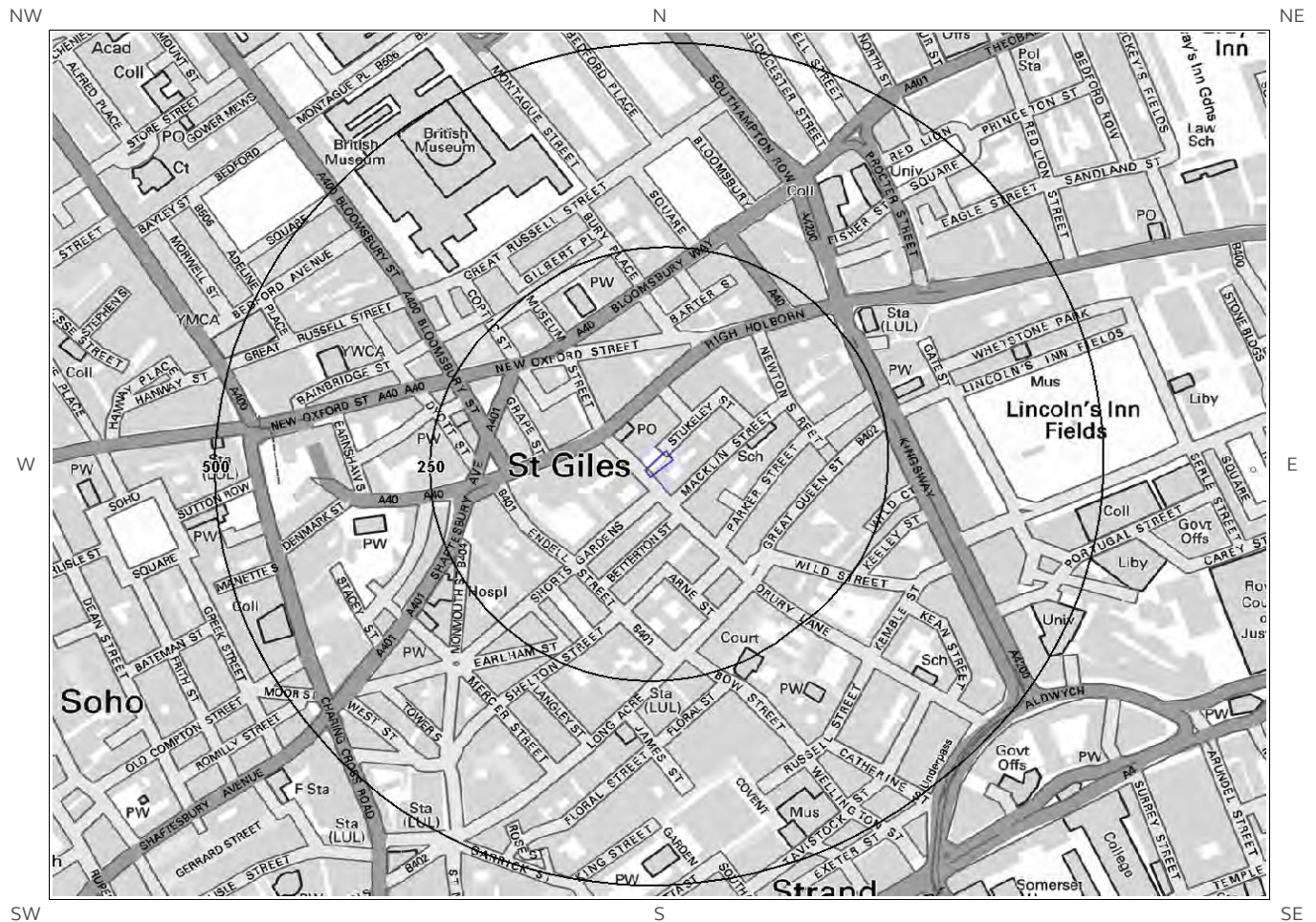


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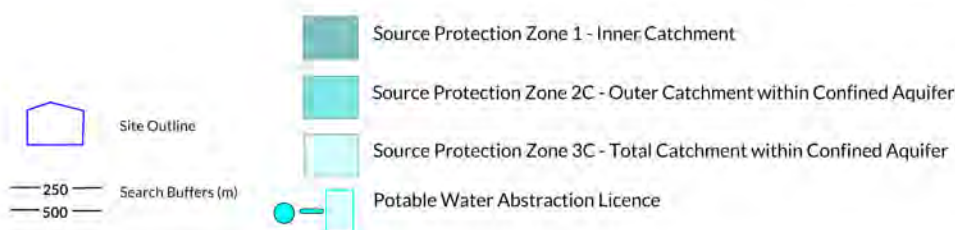


6d. Hydrogeology – Source Protection Zones within confined aquifer

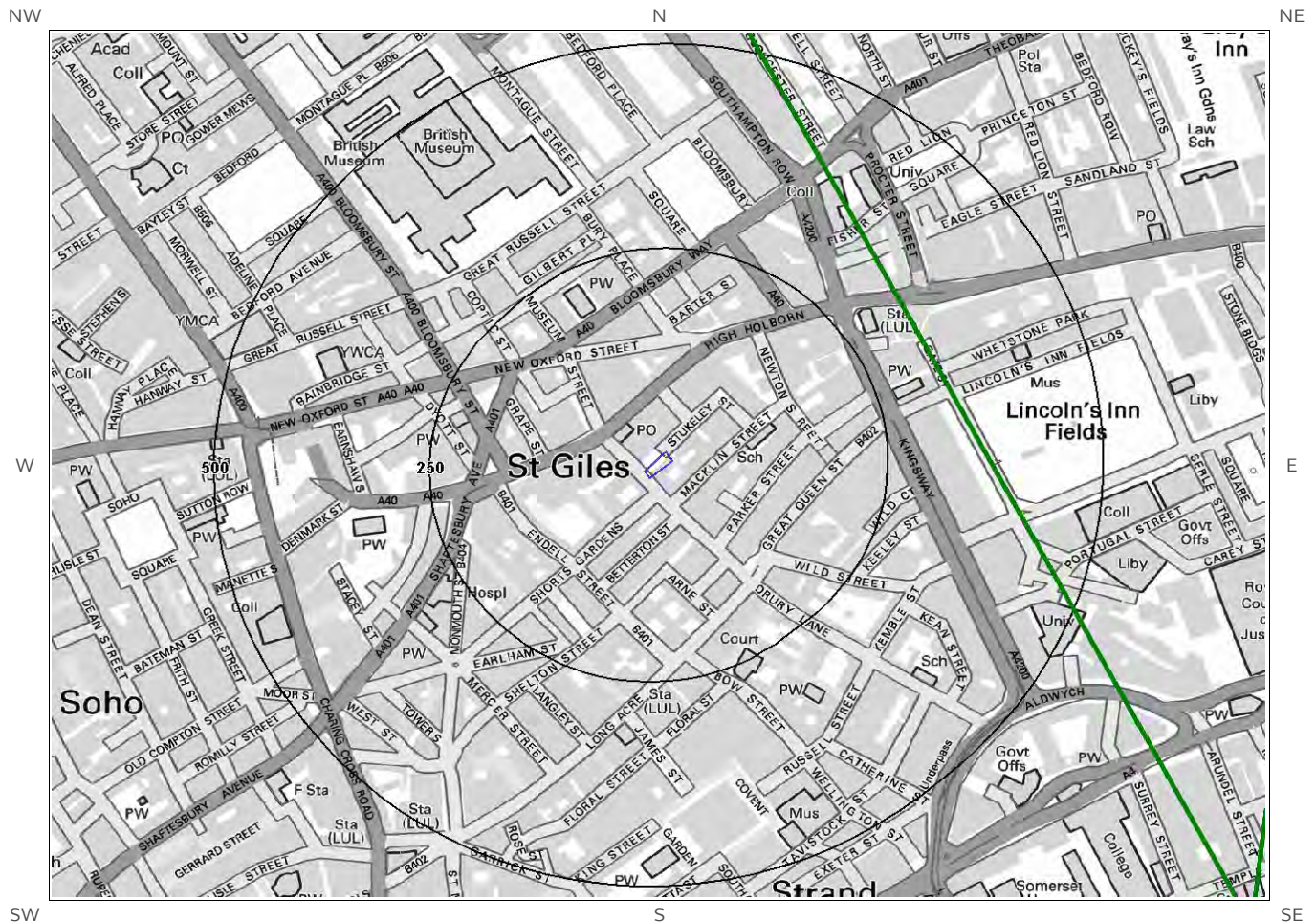


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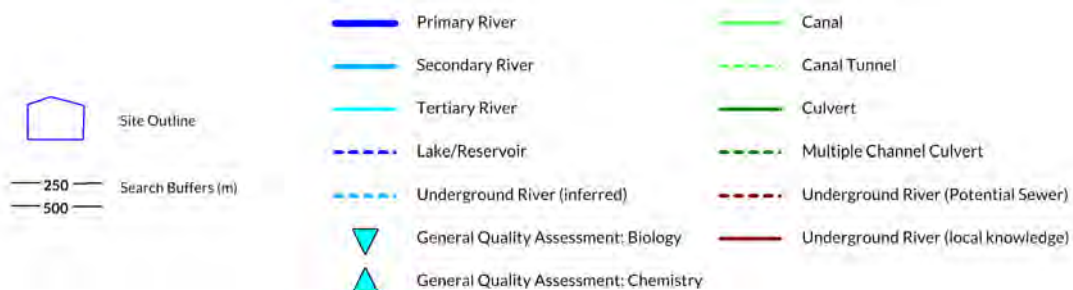


6e. Hydrology – Detailed River Network and River Quality



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6. Hydrogeology and Hydrology

6.1 Aquifer within Superficial Deposits

Are there records of strata classification within the superficial geology at or in proximity to the property? Yes

From 1 April 2010, the Environment Agency's Groundwater Protection Policy has been using aquifer designations consistent with the Water Framework Directive. For further details on the designation and interpretation of this information, please refer to the Groundsure Enviroinsight User Guide.

The following aquifer records are shown on the Aquifer within Superficial Geology Map (6a):

ID	Distance (m)	Direction	Designation	Description
1	0	On Site	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
6	199	SE	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow
2	285	W	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers

6.2 Aquifer within Bedrock Deposits

Are there records of strata classification within the bedrock geology at or in proximity to the property? Yes

From 1 April 2010, the Environment Agency's Groundwater Protection Policy has been using aquifer designations consistent with the Water Framework Directive. For further details on the designation and interpretation of this information, please refer to the Groundsure Enviroinsight User Guide.

The following aquifer records are shown on the Aquifer within Bedrock Geology Map (6b):

ID	Distance (m)	Direction	Designation	Description
1	0	On Site	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow
2	285	W	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow

6.3 Groundwater Abstraction Licences

Are there any Groundwater Abstraction Licences within 2000m of the study site?

Yes

The following Abstraction Licences records are represented as points, lines and regions on the Aquifer within Bedrock Geology Map (6b):

ID	Distance (m)	Direction	NGR	Details
Not shown	682	NW	529860 181863	<p>Status: Historical Licence No: TH/039/0039/031 Details: Heat Pump Direct Source: Thames Groundwater Point: Borehole 1, Keppel Street Data Type: Point Name: London School of Hygiene and Tropical Medicine</p> <p>Annual Volume (m³): 203407 Max Daily Volume (m³): 558 Original Application No: NPS/WR/004429 Original Start Date: 8/11/2010 Expiry Date: 31/3/2019 Issue No: 1 Version Start Date: 8/11/2010 Version End Date:</p>
Not shown	682	NW	529860 181863	<p>Status: Active Licence No: TH/039/0039/031 Details: Heat Pump Direct Source: Thames Groundwater Point: Keppel Street, Bloomsbury, London - Borehole 1 Data Type: Point Name: London School of Hygiene and Tropical Medicine</p> <p>Annual Volume (m³): 203407 Max Daily Volume (m³): 558 Original Application No: NPS/WR/004429 Original Start Date: 8/11/2010 Expiry Date: 31/3/2019 Issue No: 1 Version Start Date: 8/11/2010 Version End Date:</p>
Not shown	685	NW	529858 181865	<p>Status: Historical Licence No: TH/039/0039/031 Details: Heat Pump Direct Source: Thames Groundwater Point: Borehole 2, Keppel Street Data Type: Point Name: London School of Hygiene and Tropical Medicine</p> <p>Annual Volume (m³): 203407 Max Daily Volume (m³): 558 Original Application No: NPS/WR/004429 Original Start Date: 8/11/2010 Expiry Date: 31/3/2019 Issue No: 1 Version Start Date: 8/11/2010 Version End Date:</p>
Not shown	685	NW	529858 181865	<p>Status: Active Licence No: TH/039/0039/031 Details: Heat Pump Direct Source: Thames Groundwater Point: Keppel Street, Bloomsbury, London - Borehole 2 Data Type: Point Name: London School of Hygiene and Tropical Medicine</p> <p>Annual Volume (m³): 203407 Max Daily Volume (m³): 558 Original Application No: NPS/WR/004429 Original Start Date: 8/11/2010 Expiry Date: 31/3/2019 Issue No: 1 Version Start Date: 8/11/2010 Version End Date:</p>
Not shown	783	S	530089 180562	<p>Status: Active Licence No: TH/039/0039/067 Details: Heat Pump Direct Source: Thames Groundwater Point: 6 St Martins Place, London, Wc2n - Borehole Data Type: Point Name: ST MARTIN-IN-THE FIELDS LIMITED</p> <p>Annual Volume (m³): 140000 Max Daily Volume (m³): 760 Original Application No: GEN/39/117 Original Start Date: 1/4/2013 Expiry Date: 31/3/2025 Issue No: 2 Version Start Date: 1/4/2013 Version End Date:</p>
Not shown	784	S	530090 180560	<p>Status: Historical Licence No: 28/39/39/0236 Details: Heat Pump Direct Source: Thames Groundwater Point: 6 St Martins Place, London, Wc2n - Borehole Data Type: Point Name: ST MARTIN-IN-THE FIELDS LIMITED</p> <p>Annual Volume (m³): 52000 Max Daily Volume (m³): 1300 Original Application No: GEN/39/117 Original Start Date: 24/4/2008 Expiry Date: 31/3/2013 Issue No: 1 Version Start Date: 24/4/2008 Version End Date:</p>

ID	Distance (m)	Direction	NGR	Details
Not shown	803	SE	531030 180970	<p>Status: Historical Licence No: 28/39/39/0025 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: Globe House, Victoria Embankment-Borehole B Data Type: Point Name: COMMERZ GRUNDBESITZ INVEST. MBH</p> <p>Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: - Original Start Date: 10/1/1966 Expiry Date: - Issue No: 101 Version Start Date: 28/3/2003 Version End Date:</p>
Not shown	816	SE	531050 180980	<p>Status: Historical Licence No: 28/39/39/0025 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: Globe House, Victoria Embankment-Borehole C Data Type: Point Name: COMMERZ GRUNDBESITZ INVEST. MBH</p> <p>Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: - Original Start Date: 10/1/1966 Expiry Date: - Issue No: 101 Version Start Date: 28/3/2003 Version End Date:</p>
Not shown	825	SE	531060 180980	<p>Status: Historical Licence No: 28/39/39/0025 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: Globe House, Victoria Embankment-Borehole A Data Type: Point Name: COMMERZ GRUNDBESITZ INVEST. MBH</p> <p>Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: - Original Start Date: 10/1/1966 Expiry Date: - Issue No: 101 Version Start Date: 28/3/2003 Version End Date:</p>
Not shown	870	SE	531000 180800	<p>Status: Historical Licence No: 28/39/39/0025 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: Borehole 'a' At Globe House, Temple Place, London Data Type: Point Name: HAMMERSON UK PROPERTIES PLC</p> <p>Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: - Original Start Date: 10/1/1966 Expiry Date: - Issue No: 100 Version Start Date: 14/12/1995 Version End Date:</p>
Not shown	870	SE	531000 180800	<p>Status: Historical Licence No: 28/39/39/0025 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: Borehole 'b' At Globe House, Temple Place, London Data Type: Point Name: HAMMERSON UK PROPERTIES PLC</p> <p>Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: - Original Start Date: 10/1/1966 Expiry Date: - Issue No: 100 Version Start Date: 14/12/1995 Version End Date:</p>
Not shown	870	SE	531000 180800	<p>Status: Historical Licence No: 28/39/39/0025 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: Borehole 'c' At Globe House, Temple Place, London Data Type: Point Name: HAMMERSON UK PROPERTIES PLC</p> <p>Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: - Original Start Date: 10/1/1966 Expiry Date: - Issue No: 100 Version Start Date: 14/12/1995 Version End Date:</p>

ID	Distance (m)	Direction	NGR	Details	
Not shown	873	S	529960 180510	Status: Historical Licence No: 28/39/39/0212 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: The National Gallery- Borehole Data Type: Point Name: THE NATIONAL GALLERY	Annual Volume (m³): 30558 Max Daily Volume (m³): 83.7 Original Application No: WRA/N/1311 Original Start Date: 27/10/2004 Expiry Date: 31/3/2013 Issue No: 1 Version Start Date: 1/4/2008 Version End Date:
Not shown	873	S	529960 180510	Status: Historical Licence No: 28/39/39/0212 Details: Evaporative Cooling Direct Source: Thames Groundwater Point: The National Gallery- Borehole Data Type: Point Name: THE NATIONAL GALLERY	Annual Volume (m³): 30558 Max Daily Volume (m³): 83.7 Original Application No: WRA/N/1311 Original Start Date: 27/10/2004 Expiry Date: 31/3/2013 Issue No: 1 Version Start Date: 1/4/2008 Version End Date:
Not shown	1012	E	531300 181100	Status: Historical Licence No: 28/39/39/0077 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: Borehole At 37 Fleet Street, London Ec4 Data Type: Point Name: C HOARE & CO	Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: - Original Start Date: 13/6/1966 Expiry Date: - Issue No: 100 Version Start Date: 10/6/1968 Version End Date:
Not shown	1178	SE	530830 180270	Status: Historical Licence No: 28/39/42/0069 Details: Non-Evaporative Cooling Direct Source: Thames Groundwater Point: Royal Festival Hall, Belvedere Road, Se1 - Borehole Data Type: Point Name: THE SOUTH BANK BOARD LIMITED	Annual Volume (m³): 132000 Max Daily Volume (m³): 825 Original Application No: WRA/S/1191 Original Start Date: 5/5/2005 Expiry Date: 31/3/2013 Issue No: 1 Version Start Date: 5/5/2005 Version End Date:
Not shown	1180	SE	530826 180266	Status: Historical Licence No: 28/39/42/0069 Details: Non-Evaporative Cooling Direct Source: Thames Groundwater Point: Royal Festival Hall, Belvedere Road, Se1 - Borehole A Data Type: Point Name: THE SOUTH BANK BOARD LIMITED	Annual Volume (m³): 257000 Max Daily Volume (m³): 1620 Original Application No: - Original Start Date: 5/5/2005 Expiry Date: 31/3/2013 Issue No: 2 Version Start Date: 6/7/2007 Version End Date:
Not shown	1180	SE	530826 180266	Status: Historical Licence No: 28/39/42/0069 Details: General Use Relating To Secondary Category (High Loss) Direct Source: Thames Groundwater Point: Royal Festival Hall, Belvedere Road, Se1 - Borehole A Data Type: Point Name: THE SOUTH BANK BOARD LIMITED	Annual Volume (m³): 257000 Max Daily Volume (m³): 1620 Original Application No: - Original Start Date: 5/5/2005 Expiry Date: 31/3/2013 Issue No: 2 Version Start Date: 6/7/2007 Version End Date:
Not shown	1180	SE	530826 180266	Status: Active Licence No: 28/39/42/0069/R01 Details: Heat Pump Direct Source: Thames Groundwater Point: Royal Festival Hall, Belvedere Road, Se1 - Borehole A Data Type: Point Name: South Bank Centre Limited	Annual Volume (m³): 257000 Max Daily Volume (m³): 1620 Original Application No: NPS/WR/009246 Original Start Date: 1/4/2014 Expiry Date: 31/3/2019 Issue No: 1 Version Start Date: 1/4/2014 Version End Date:

ID	Distance (m)	Direction	NGR	Details
Not shown	1187	W	529100 181400	<p>Status: Historical Licence No: 28/39/39/0138 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: Borehole 'b' At Walmer House, 296 Regent Street, London W1 Data Type: Point Name: CAPITAL AND COUNTIES PROPERTY COMPANY LIMITED</p> <p>Annual Volume (m³): 9126 Max Daily Volume (m³): 25 Original Application No: - Original Start Date: 11/10/1971 Expiry Date: - Issue No: 100 Version Start Date: 26/11/1979 Version End Date:</p>
Not shown	1187	W	529100 181400	<p>Status: Historical Licence No: 28/39/39/0138 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: Walmer House, 296 Regent Street, London W1-borehole B Data Type: Point Name: CAPITAL AND COUNTIES PROPERTY COMPANY LIMITED</p> <p>Annual Volume (m³): 9126 Max Daily Volume (m³): 25 Original Application No: - Original Start Date: 11/10/1971 Expiry Date: - Issue No: 100 Version Start Date: 26/11/1979 Version End Date:</p>
Not shown	1247	S	530737 180153	<p>Status: Historical Licence No: 28/39/42/0069 Details: General Use Relating To Secondary Category (High Loss) Direct Source: Thames Groundwater Point: Royal Festival Hall, Belvedere Road Se1 - Borehole B Data Type: Point Name: THE SOUTH BANK BOARD LIMITED</p> <p>Annual Volume (m³): 257000 Max Daily Volume (m³): 1620 Original Application No: - Original Start Date: 5/5/2005 Expiry Date: 31/3/2013 Issue No: 2 Version Start Date: 6/7/2007 Version End Date:</p>
Not shown	1247	S	530737 180153	<p>Status: Historical Licence No: 28/39/42/0069 Details: Non-Evaporative Cooling Direct Source: Thames Groundwater Point: Royal Festival Hall, Belvedere Road Se1 - Borehole B Data Type: Point Name: THE SOUTH BANK BOARD LIMITED</p> <p>Annual Volume (m³): 257000 Max Daily Volume (m³): 1620 Original Application No: - Original Start Date: 5/5/2005 Expiry Date: 31/3/2013 Issue No: 2 Version Start Date: 6/7/2007 Version End Date:</p>
Not shown	1247	S	530737 180153	<p>Status: Active Licence No: 28/39/42/0069/R01 Details: Heat Pump Direct Source: Thames Groundwater Point: Royal Festival Hall, Belvedere Road Se1 - Borehole B Data Type: Point Name: South Bank Centre Limited</p> <p>Annual Volume (m³): 257000 Max Daily Volume (m³): 1620 Original Application No: NPS/WR/009246 Original Start Date: 1/4/2014 Expiry Date: 31/3/2019 Issue No: 1 Version Start Date: 1/4/2014 Version End Date:</p>
Not shown	1262	E	531500 180900	<p>Status: Historical Licence No: 28/39/39/0057 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: Two Boreholes At Unilever House, Blackfriars, London Ec4 Data Type: Point Name: UNILEVER LTD</p> <p>Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: - Original Start Date: 9/5/1966 Expiry Date: - Issue No: 100 Version Start Date: 9/5/1966 Version End Date:</p>

ID	Distance (m)	Direction	NGR	Details
Not shown	1275	W	529010 181330	<p>Status: Active Licence No: 28/39/39/0138 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: Walmer House, 296 Regent Street, London, W1b - Borehole 'b' Data Type: Point Name: Pontsarn Investments Limited</p> <p>Annual Volume (m³): 9126 Max Daily Volume (m³): 25 Original Application No: NPS/WR/011671 Original Start Date: 11/10/1971 Expiry Date: - Issue No: 102 Version Start Date: 29/11/2012 Version End Date:</p>
Not shown	1275	W	529010 181350	<p>Status: Active Licence No: 28/39/39/0138 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: Walmer House, 296 Regent Street, London, W1b - Borehole 'a' Data Type: Point Name: Pontsarn Investments Limited</p> <p>Annual Volume (m³): 9126 Max Daily Volume (m³): 25 Original Application No: NPS/WR/011671 Original Start Date: 11/10/1971 Expiry Date: - Issue No: 102 Version Start Date: 29/11/2012 Version End Date:</p>
Not shown	1285	W	529000 181300	<p>Status: Historical Licence No: 28/39/39/0138 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: Borehole 'a' At Walmer House, 296 Regent Street, London W1 Data Type: Point Name: CAPITAL AND COUNTIES PROPERTY COMPANY LIMITED</p> <p>Annual Volume (m³): 9126 Max Daily Volume (m³): 25 Original Application No: - Original Start Date: 11/10/1971 Expiry Date: - Issue No: 100 Version Start Date: 26/11/1979 Version End Date:</p>
Not shown	1285	W	529000 181300	<p>Status: Historical Licence No: 28/39/39/0138 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: Walmer House, 296 Regent Street, London W1-borehole A Data Type: Point Name: CAPITAL AND COUNTIES PROPERTY COMPANY LIMITED</p> <p>Annual Volume (m³): 9126 Max Daily Volume (m³): 25 Original Application No: - Original Start Date: 11/10/1971 Expiry Date: - Issue No: 100 Version Start Date: 26/11/1979 Version End Date:</p>
Not shown	1333	E	531600 181700	<p>Status: Historical Licence No: 28/39/39/0176 Details: Evaporative Cooling Direct Source: Thames Groundwater Point: Charterhouse Street, London - Borehole A Data Type: Point Name: CITIGEN (LONDON) LTD</p> <p>Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: - Original Start Date: 23/12/1994 Expiry Date: 31/12/2004 Issue No: 100 Version Start Date: 11/1/1995 Version End Date:</p>
Not shown	1333	E	531600 181700	<p>Status: Historical Licence No: 28/39/39/0176 Details: Evaporative Cooling Direct Source: Thames Groundwater Point: Charterhouse Street, London - Borehole B Data Type: Point Name: CITIGEN (LONDON) LTD</p> <p>Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: - Original Start Date: 23/12/1994 Expiry Date: 31/12/2004 Issue No: 100 Version Start Date: 11/1/1995 Version End Date:</p>

ID	Distance (m)	Direction	NGR	Details	
Not shown	1357	SW	529480 180230	Status: Historical Licence No: 28/39/39/0006 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: Borehole At The Army And Navy Club, Pall Mall, London Data Type: Point Name: ARMY & NAVY CLUB	Annual Volume (m³): 15911 Max Daily Volume (m³): 82.7 Original Application No: - Original Start Date: 11/10/1965 Expiry Date: - Issue No: 100 Version Start Date: 1/4/2008 Version End Date:
Not shown	1357	SW	529480 180230	Status: Active Licence No: 28/39/39/0006 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: Army And Navy Club, Pall Mall, London Data Type: Point Name: ARMY AND NAVY CLUB LIMITED	Annual Volume (m³): 15911 Max Daily Volume (m³): 82.7 Original Application No: NPS/WR/015097 Original Start Date: 11/10/1965 Expiry Date: - Issue No: 101 Version Start Date: 9/1/2014 Version End Date:
Not shown	1376	E	531630 181750	Status: Historical Licence No: 28/39/39/0176 Details: Evaporative Cooling Direct Source: Thames Groundwater Point: 2 Boreholes At Charterhouse Street, Smithfield At Point A Data Type: Point Name: CITIGEN (LONDON) LTD	Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: WRA/6138 Original Start Date: 23/12/1994 Expiry Date: 31/12/2004 Issue No: 101 Version Start Date: 1/4/2000 Version End Date:
Not shown	1393	N	530052 182718	Status: Historical Licence No: TH/039/0039/001 Details: Heat Pump Direct Source: Thames Groundwater Point: Borehole At Bidborough House 20 Mabledon Place London Data Type: Point Name: LONDON BOROUGH OF CAMDEN	Annual Volume (m³): 327600 Max Daily Volume (m³): 1260 Original Application No: NPSWR000003 Original Start Date: 9/4/2009 Expiry Date: 31/3/2013 Issue No: 1 Version Start Date: 9/4/2009 Version End Date:
Not shown	1393	N	530052 182718	Status: Active Licence No: TH/039/0039/064 Details: Heat Pump Direct Source: Thames Groundwater Point: Borehole At Bidborough House, 20 Mabledon Place, London Data Type: Point Name: University College London	Annual Volume (m³): 327600 Max Daily Volume (m³): 1440 Original Application No: NPS/WR/017625 Original Start Date: 16/4/2013 Expiry Date: 31/3/2019 Issue No: 2 Version Start Date: 21/11/2014 Version End Date:
Not shown	1393	N	530052 182718	Status: Historical Licence No: TH/039/0039/001 Details: Heat Pump Direct Source: Thames Groundwater Point: Bidborough House 20 Mabledon Place London Data Type: Point Name: LONDON BOROUGH OF CAMDEN	Annual Volume (m³): 327600 Max Daily Volume (m³): 1260 Original Application No: NPSWR000003 Original Start Date: 9/4/2009 Expiry Date: 31/3/2013 Issue No: 1 Version Start Date: 9/4/2009 Version End Date:
Not shown	1410	SW	529113 180542	Status: Active Licence No: TH/039/0039/042 Details: Heat Pump Direct Source: Thames Groundwater Point: Borehole At Old Bond Street, London Data Type: Point Name: Prada Retail UK Ltd	Annual Volume (m³): 74043 Max Daily Volume (m³): 354 Original Application No: NPS/WR/007512 Original Start Date: 24/10/2012 Expiry Date: 31/3/2019 Issue No: 1 Version Start Date: 24/10/2012 Version End Date:

ID	Distance (m)	Direction	NGR	Details	
Not shown	1444	E	531748 181533	Status: Historical Licence No: TH/039/0039/084 Details: Heat Pump Direct Source: Thames Groundwater Point: Confined Chalk At City And Guilds Head Office Data Type: Point Name: City and Guilds of London Institute	Annual Volume (m³): 189216 Max Daily Volume (m³): 519 Original Application No: NPS/WR/013619 Original Start Date: 23/8/2013 Expiry Date: 31/3/2019 Issue No: 1 Version Start Date: 23/8/2013 Version End Date:
Not shown	1444	E	531748 181533	Status: Active Licence No: TH/039/0039/084 Details: Heat Pump Direct Source: Thames Groundwater Point: Confined Chalk At City And Guilds Head Office Data Type: Point Name: City and Guilds of London Institute	Annual Volume (m³): 189216 Max Daily Volume (m³): 519 Original Application No: NPS/WR/013619 Original Start Date: 23/8/2013 Expiry Date: 31/3/2019 Issue No: 1 Version Start Date: 23/8/2013 Version End Date:
Not shown	1560	NE	531650 182150	Status: Active Licence No: 28/39/39/0206 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: 86-88 Clerkenwell Road, London-Borehole A Data Type: Point Name: Urban Hotels UK LLP	Annual Volume (m³): 25404 Max Daily Volume (m³): 125 Original Application No: NPS/WR/010632 Original Start Date: 4/7/2003 Expiry Date: 31/3/2025 Issue No: 4 Version Start Date: 10/9/2012 Version End Date:
Not shown	1564	W	528830 181900	Status: Active Licence No: TH/039/0039/068 Details: Heat Pump Direct Source: Thames Groundwater Point: 10 Weymouth Street, Ridgeford Properties Data Type: Point Name: Ridgeford Properties Limited	Annual Volume (m³): 50000 Max Daily Volume (m³): 400 Original Application No: NPSWR009221 Original Start Date: 1/4/2013 Expiry Date: 31/3/2025 Issue No: 1 Version Start Date: 1/4/2013 Version End Date:
Not shown	1564	W	528830 181900	Status: Historical Licence No: TH/039/0039/010 Details: Heat Pump Direct Source: Thames Groundwater Point: 10 Weymouth Street, Ridgeford Properties Data Type: Point Name: Ridgeford Properties Limited	Annual Volume (m³): 50000 Max Daily Volume (m³): 400 Original Application No: NPSWR001161 Original Start Date: 13/8/2009 Expiry Date: 31/3/2013 Issue No: 1 Version Start Date: 13/8/2009 Version End Date:
Not shown	1582	W	528793 180800	Status: Active Licence No: TH/039/0039/036 Details: Heat Pump Direct Source: Thames Groundwater Point: 40-54 Grosvenor Hill London Data Type: Point Name: Grosvenor Properties	Annual Volume (m³): 438000 Max Daily Volume (m³): 1200 Original Application No: NPS/WR/017057 Original Start Date: 28/2/2011 Expiry Date: 31/3/2019 Issue No: 3 Version Start Date: 14/10/2014 Version End Date:
Not shown	1582	W	528765 180766	Status: Historical Licence No: TH/039/0039/036 Details: Heat Pump Direct Source: Thames Groundwater Point: 40-54 Grosvenor Hill London Data Type: Line Name: Grosvenor West End Properties Limited	Annual Volume (m³): 438000 Max Daily Volume (m³): 1200 Original Application No: NPS/WR/006940 Original Start Date: 28/2/2011 Expiry Date: 31/3/2019 Issue No: 2 Version Start Date: 11/11/2011 Version End Date:

ID	Distance (m)	Direction	NGR	Details
Not shown	1585	S	530258 179733	<p>Status: Active Licence No: TH/039/0039/065 Details: Heat Pump Direct Source: Thames Groundwater Point: New Parliamentary Buildings, London-Borehole A Data Type: Point Name: THE CORPORATE OFFICER OF THE HOUSE OF COMMONS</p> <p>Annual Volume (m³): 400000 Max Daily Volume (m³): 2074 Original Application No: NPS/WR/009218 Original Start Date: 8/4/2013 Expiry Date: 31/3/2019 Issue No: 1 Version Start Date: 8/4/2013 Version End Date:</p>
Not shown	1585	S	530258 179733	<p>Status: Active Licence No: TH/039/0039/065 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: New Parliamentary Buildings, London-Borehole A Data Type: Point Name: THE CORPORATE OFFICER OF THE HOUSE OF COMMONS</p> <p>Annual Volume (m³): 400000 Max Daily Volume (m³): 2074 Original Application No: NPS/WR/009218 Original Start Date: 8/4/2013 Expiry Date: 31/3/2019 Issue No: 1 Version Start Date: 8/4/2013 Version End Date:</p>
Not shown	1589	S	530230 179730	<p>Status: Historical Licence No: 28/39/39/0224 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: Portcullis House- Borehole B Data Type: Point Name: CORPORATE OFFICER OF THE HOUSE OF COMMONS</p> <p>Annual Volume (m³): 400000 Max Daily Volume (m³): 2074 Original Application No: WRA/N/1318 Original Start Date: 30/8/2006 Expiry Date: 31/3/2009 Issue No: 1 Version Start Date: 30/8/2006 Version End Date:</p>
Not shown	1589	S	530230 179730	<p>Status: Historical Licence No: 28/39/39/0224 Details: Non-Evaporative Cooling Direct Source: Thames Groundwater Point: Portcullis House- Borehole B Data Type: Point Name: CORPORATE OFFICER OF THE HOUSE OF COMMONS</p> <p>Annual Volume (m³): 400000 Max Daily Volume (m³): 2074 Original Application No: WRA/N/1318 Original Start Date: 30/8/2006 Expiry Date: 31/3/2009 Issue No: 1 Version Start Date: 30/8/2006 Version End Date:</p>
Not shown	1589	S	530230 179730	<p>Status: Historical Licence No: TH/039/0039/005 Details: Non-Evaporative Cooling Direct Source: Thames Groundwater Point: Portcullis House- Borehole B Data Type: Point Name: CORPORATE OFFICER OF THE HOUSE OF COMMONS</p> <p>Annual Volume (m³): 400000 Max Daily Volume (m³): 2074 Original Application No: NPS WR 000420 Original Start Date: 1/4/2009 Expiry Date: 31/3/2013 Issue No: 1 Version Start Date: 1/4/2009 Version End Date:</p>
Not shown	1589	S	530230 179730	<p>Status: Historical Licence No: 28/39/39/0178 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: East Borehole At New Parliamentary Buildings, London Data Type: Point Name: CORPORATE OFFICER OF THE HOUSE OF COMMONS</p> <p>Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: WRA/6429 Original Start Date: 24/11/1999 Expiry Date: 31/12/2004 Issue No: 1 Version Start Date: 24/11/1999 Version End Date:</p>

ID	Distance (m)	Direction	NGR	Details
Not shown	1589	S	530230 179730	<p>Status: Historical Licence No: 28/39/39/0213 Details: Non-Evaporative Cooling Direct Source: Thames Groundwater Point: East Borehole At New Parliamentary Buildings, London Data Type: Point Name: CORPORATE OFFICER OF THE HOUSE OF COMMONS</p> <p>Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: WRA/N/1318 Original Start Date: 24/11/1999 Expiry Date: 31/1/2006 Issue No: 1 Version Start Date: 10/2/2005 Version End Date:</p>
Not shown	1589	S	530230 179730	<p>Status: Historical Licence No: TH/039/0039/005 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: Portcullis House- Borehole B Data Type: Point Name: CORPORATE OFFICER OF THE HOUSE OF COMMONS</p> <p>Annual Volume (m³): 400000 Max Daily Volume (m³): 2074 Original Application No: NPS WR 000420 Original Start Date: 1/4/2009 Expiry Date: 31/3/2013 Issue No: 1 Version Start Date: 1/4/2009 Version End Date:</p>
Not shown	1589	S	530230 179730	<p>Status: Historical Licence No: 28/39/39/0178 Details: Non-Evaporative Cooling Direct Source: Thames Groundwater Point: East Borehole At New Parliamentary Buildings, London Data Type: Point Name: CORPORATE OFFICER OF THE HOUSE OF COMMONS</p> <p>Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: WRA/6429 Original Start Date: 24/11/1999 Expiry Date: 31/12/2004 Issue No: 1 Version Start Date: 24/11/1999 Version End Date:</p>
Not shown	1589	S	530230 179730	<p>Status: Historical Licence No: 28/39/39/0213 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: East Borehole At New Parliamentary Buildings, London Data Type: Point Name: CORPORATE OFFICER OF THE HOUSE OF COMMONS</p> <p>Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: WRA/N/1318 Original Start Date: 24/11/1999 Expiry Date: 31/1/2006 Issue No: 1 Version Start Date: 10/2/2005 Version End Date:</p>
Not shown	1590	SE	531600 180400	<p>Status: Historical Licence No: 28/39/42/0004 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: Stamford House, Stamford Street, - Borehole 'a' Data Type: Point Name: J SAINSBURY LTD</p> <p>Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: WR/RG568 Original Start Date: 13/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 19/6/1986 Version End Date:</p>
Not shown	1590	SE	531600 180400	<p>Status: Historical Licence No: 28/39/42/0004 Details: Process Water Direct Source: Thames Groundwater Point: Stamford House, Stamford Street, - Borehole Data Type: Point Name: BEETHAM LANDMARK LONDON LTD</p> <p>Annual Volume (m³): 47733 Max Daily Volume (m³): 327.32 Original Application No: - Original Start Date: 13/12/1965 Expiry Date: - Issue No: 101 Version Start Date: 10/7/2014 Version End Date:</p>

ID	Distance (m)	Direction	NGR	Details
Not shown	1590	SE	531600 180400	<p>Status: Historical Licence No: 28/39/42/0004 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: Stamford House, Stamford Street, - Borehole Data Type: Point Name: BEETHAM LANDMARK LONDON LTD</p> <p>Annual Volume (m³): 47733 Max Daily Volume (m³): 327.32 Original Application No: - Original Start Date: 13/12/1965 Expiry Date: - Issue No: 101 Version Start Date: 10/7/2014 Version End Date:</p>
Not shown	1590	SE	531600 180400	<p>Status: Historical Licence No: 28/39/42/0004 Details: Process water Direct Source: Thames Groundwater Point: Stamford House, Stamford Street, - Borehole 'a' Data Type: Point Name: J SAINSBURY LTD</p> <p>Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: WR/RG568 Original Start Date: 13/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 19/6/1986 Version End Date:</p>
Not shown	1604	S	530231 179715	<p>Status: Active Licence No: TH/039/0039/065 Details: Heat Pump Direct Source: Thames Groundwater Point: New Parliamentary Buildings, London-Borehole B Data Type: Point Name: THE CORPORATE OFFICER OF THE HOUSE OF COMMONS</p> <p>Annual Volume (m³): 400000 Max Daily Volume (m³): 2074 Original Application No: NPS/WR/009218 Original Start Date: 8/4/2013 Expiry Date: 31/3/2019 Issue No: 1 Version Start Date: 8/4/2013 Version End Date:</p>
Not shown	1604	S	530231 179715	<p>Status: Active Licence No: TH/039/0039/065 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: New Parliamentary Buildings, London-Borehole B Data Type: Point Name: THE CORPORATE OFFICER OF THE HOUSE OF COMMONS</p> <p>Annual Volume (m³): 400000 Max Daily Volume (m³): 2074 Original Application No: NPS/WR/009218 Original Start Date: 8/4/2013 Expiry Date: 31/3/2019 Issue No: 1 Version Start Date: 8/4/2013 Version End Date:</p>
Not shown	1610	S	530220 179710	<p>Status: Historical Licence No: TH/039/0039/005 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: New Parliamentary Buildings, London-Borehole A Data Type: Point Name: CORPORATE OFFICER OF THE HOUSE OF COMMONS</p> <p>Annual Volume (m³): 400000 Max Daily Volume (m³): 2074 Original Application No: NPS WR 000420 Original Start Date: 1/4/2009 Expiry Date: 31/3/2013 Issue No: 1 Version Start Date: 1/4/2009 Version End Date:</p>
Not shown	1610	S	530220 179710	<p>Status: Historical Licence No: 28/39/39/0224 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: New Parliamentary Buildings, London-Borehole A Data Type: Point Name: CORPORATE OFFICER OF THE HOUSE OF COMMONS</p> <p>Annual Volume (m³): 400000 Max Daily Volume (m³): 2074 Original Application No: WRA/N/1318 Original Start Date: 30/8/2006 Expiry Date: 31/3/2009 Issue No: 1 Version Start Date: 30/8/2006 Version End Date:</p>

ID	Distance (m)	Direction	NGR	Details
Not shown	1610	S	530220 179710	<p>Status: Historical Licence No: TH/039/0039/005 Details: Non-Evaporative Cooling Direct Source: Thames Groundwater Point: New Parliamentary Buildings, London-Borehole A Data Type: Point Name: CORPORATE OFFICER OF THE HOUSE OF COMMONS</p> <p>Annual Volume (m³): 400000 Max Daily Volume (m³): 2074 Original Application No: NPS WR 000420 Original Start Date: 1/4/2009 Expiry Date: 31/3/2013 Issue No: 1 Version Start Date: 1/4/2009 Version End Date:</p>
Not shown	1610	S	530220 179710	<p>Status: Historical Licence No: 28/39/39/0213 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: West Borehole At New Parliamentary Buildings, London Data Type: Point Name: CORPORATE OFFICER OF THE HOUSE OF COMMONS</p> <p>Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: WRA/N/1318 Original Start Date: 24/11/1999 Expiry Date: 31/1/2006 Issue No: 1 Version Start Date: 10/2/2005 Version End Date:</p>
Not shown	1610	S	530220 179710	<p>Status: Historical Licence No: 28/39/39/0178 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: West Borehole At New Parliamentary Buildings, London Data Type: Point Name: CORPORATE OFFICER OF THE HOUSE OF COMMONS</p> <p>Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: WRA/6429 Original Start Date: 24/11/1999 Expiry Date: 31/12/2004 Issue No: 1 Version Start Date: 24/11/1999 Version End Date:</p>
Not shown	1610	S	530220 179710	<p>Status: Historical Licence No: 28/39/39/0224 Details: Non-Evaporative Cooling Direct Source: Thames Groundwater Point: New Parliamentary Buildings, London-Borehole A Data Type: Point Name: CORPORATE OFFICER OF THE HOUSE OF COMMONS</p> <p>Annual Volume (m³): 400000 Max Daily Volume (m³): 2074 Original Application No: WRA/N/1318 Original Start Date: 30/8/2006 Expiry Date: 31/3/2009 Issue No: 1 Version Start Date: 30/8/2006 Version End Date:</p>
Not shown	1610	S	530220 179710	<p>Status: Historical Licence No: 28/39/39/0178 Details: Non-Evaporative Cooling Direct Source: Thames Groundwater Point: West Borehole At New Parliamentary Buildings, London Data Type: Point Name: CORPORATE OFFICER OF THE HOUSE OF COMMONS</p> <p>Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: WRA/6429 Original Start Date: 24/11/1999 Expiry Date: 31/12/2004 Issue No: 1 Version Start Date: 24/11/1999 Version End Date:</p>
Not shown	1610	S	530220 179710	<p>Status: Historical Licence No: 28/39/39/0213 Details: Non-Evaporative Cooling Direct Source: Thames Groundwater Point: West Borehole At New Parliamentary Buildings, London Data Type: Point Name: CORPORATE OFFICER OF THE HOUSE OF COMMONS</p> <p>Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: WRA/N/1318 Original Start Date: 24/11/1999 Expiry Date: 31/1/2006 Issue No: 1 Version Start Date: 10/2/2005 Version End Date:</p>

ID	Distance (m)	Direction	NGR	Details
Not shown	1620	W	528765 180766	<p>Status: Active Licence No: TH/039/0039/036 Details: Heat Pump Direct Source: Thames Groundwater Point: 40-54 Grosvenor Hill London Data Type: Point Name: Grosvenor Properties</p> <p>Annual Volume (m³): 438000 Max Daily Volume (m³): 1200 Original Application No: NPS/WR/017057 Original Start Date: 28/2/2011 Expiry Date: 31/3/2019 Issue No: 3 Version Start Date: 14/10/2014 Version End Date:</p>
Not shown	1620	W	528765 180766	<p>Status: Historical Licence No: TH/039/0039/036 Details: Heat Pump Direct Source: Thames Groundwater Point: Borehole At 70 Grosvenor Street London Data Type: Point Name: Grosvenor West End Properties Limited</p> <p>Annual Volume (m³): 473040 Max Daily Volume (m³): 1296 Original Application No: NPS/WR/005113 Original Start Date: 28/2/2011 Expiry Date: 31/3/2019 Issue No: 1 Version Start Date: 28/2/2011 Version End Date:</p>
Not shown	1662	E	531950 181030	<p>Status: Active Licence No: TH/039/0039/066 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: Grange St Paul's Hotel- Borehole Data Type: Point Name: GLOBAL GRANGE LIMITED</p> <p>Annual Volume (m³): 45625 Max Daily Volume (m³): 125 Original Application No: NPS/WR/009183 Original Start Date: 1/4/2013 Expiry Date: 31/3/2019 Issue No: 1 Version Start Date: 1/4/2013 Version End Date:</p>
Not shown	1662	E	531950 181030	<p>Status: Historical Licence No: 28/39/39/0229 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: Grange St Paul's Hotel- Borehole Data Type: Point Name: GLOBAL GRANGE LIMITED</p> <p>Annual Volume (m³): 73000 Max Daily Volume (m³): 200 Original Application No: GEN/39/163 Original Start Date: 17/1/2007 Expiry Date: 31/3/2013 Issue No: 1 Version Start Date: 17/1/2007 Version End Date:</p>
Not shown	1704	NE	531239 182777	<p>Status: Active Licence No: TH/039/0039/059 Details: Potable Water Supply - Direct Direct Source: Thames Groundwater Point: Borehole At New River Head Data Type: Point Name: THAMES WATER UTILITIES LTD</p> <p>Annual Volume (m³): 1261440 Max Daily Volume (m³): 3456 Original Application No: NPS/WR/009226 Original Start Date: 1/4/2013 Expiry Date: 31/3/2025 Issue No: 1 Version Start Date: 1/4/2013 Version End Date:</p>
Not shown	1713	NE	531280 182760	<p>Status: Historical Licence No: 28/39/39/0201 Details: Potable Water Supply - Direct Direct Source: Thames Groundwater Point: New River Head, Finsbury - Borehole Data Type: Point Name: THAMES WATER UTILITIES LTD</p> <p>Annual Volume (m³): 1261440 Max Daily Volume (m³): 3456 Original Application No: WRA/R/2/2 Original Start Date: 8/1/2004 Expiry Date: 31/3/2013 Issue No: 1 Version Start Date: 8/1/2004 Version End Date:</p>
Not shown	1762	S	529900 179600	<p>Status: Active Licence No: 28/39/39/0046 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: Central Hall, Matthew Parker Street, London Data Type: Point Name: THE CENTRAL HALL</p> <p>Annual Volume (m³): 9092 Max Daily Volume (m³): 36.37 Original Application No: - Original Start Date: 9/5/1966 Expiry Date: - Issue No: 100 Version Start Date: 1/4/2008 Version End Date:</p>

ID	Distance (m)	Direction	NGR	Details
Not shown	1762	S	529900 179600	<p>Status: Historical Licence No: 28/39/39/0046 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: Borehole At The Central Hall, Matthew Parker Street, London Data Type: Point Name: THE CENTRAL HALL</p> <p>Annual Volume (m³): 9092 Max Daily Volume (m³): 36.37 Original Application No: - Original Start Date: 9/5/1966 Expiry Date: - Issue No: 100 Version Start Date: 1/4/2008 Version End Date:</p>
Not shown	1769	SE	531849 180454	<p>Status: Historical Licence No: TH/039/0042/006 Details: Heat Pump Direct Source: Thames Groundwater Point: Borehole C At Tate Modern, Bankside, London Data Type: Point Name: The Board of Trustees of the Tate Gallery</p> <p>Annual Volume (m³): 300000 Max Daily Volume (m³): 2160 Original Application No: NPS/WR/004024 Original Start Date: 6/6/2011 Expiry Date: 31/3/2019 Issue No: 1 Version Start Date: 6/6/2011 Version End Date:</p>
Not shown	1769	SE	531849 180454	<p>Status: Active Licence No: TH/039/0042/006 Details: Heat Pump Direct Source: Thames Groundwater Point: Tate Modern, Bankside, London - Borehole C Data Type: Point Name: The Board of Trustees of the Tate Gallery</p> <p>Annual Volume (m³): 300000 Max Daily Volume (m³): 2160 Original Application No: NPS/WR/004024 Original Start Date: 6/6/2011 Expiry Date: 31/3/2019 Issue No: 1 Version Start Date: 10/7/2014 Version End Date:</p>
Not shown	1776	SE	531872 180482	<p>Status: Historical Licence No: TH/039/0042/006 Details: Heat Pump Direct Source: Thames Groundwater Point: Borehole B At Tate Modern, Bankside, London Data Type: Point Name: The Board of Trustees of the Tate Gallery</p> <p>Annual Volume (m³): 300000 Max Daily Volume (m³): 2160 Original Application No: NPS/WR/004024 Original Start Date: 6/6/2011 Expiry Date: 31/3/2019 Issue No: 1 Version Start Date: 6/6/2011 Version End Date:</p>
Not shown	1776	SE	531872 180482	<p>Status: Active Licence No: TH/039/0042/006 Details: Heat Pump Direct Source: Thames Groundwater Point: Tate Modern, Bankside, London - Borehole B Data Type: Point Name: The Board of Trustees of the Tate Gallery</p> <p>Annual Volume (m³): 300000 Max Daily Volume (m³): 2160 Original Application No: NPS/WR/004024 Original Start Date: 6/6/2011 Expiry Date: 31/3/2019 Issue No: 1 Version Start Date: 10/7/2014 Version End Date:</p>
Not shown	1783	E	532100 181300	<p>Status: Historical Licence No: 28/39/39/0112 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: Borehole 'c' At St. Martins Le Grand, London Ec1 Data Type: Point Name: ST MARTINS PROPERTY CORPORATION LTD</p> <p>Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: - Original Start Date: 5/9/1966 Expiry Date: - Issue No: 100 Version Start Date: 24/10/1974 Version End Date:</p>

ID	Distance (m)	Direction	NGR	Details
Not shown	1784	E	532100 181400	<p>Status: Historical Licence No: 28/39/39/0112 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: Borehole 'b' At St. Martins Le Grand, London Ec1 Data Type: Point Name: ST MARTINS PROPERTY CORPORATION LTD</p> <p>Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: - Original Start Date: 5/9/1966 Expiry Date: - Issue No: 100 Version Start Date: 24/10/1974 Version End Date:</p>
Not shown	1785	SE	531874 180466	<p>Status: Historical Licence No: TH/039/0042/006 Details: Heat Pump Direct Source: Thames Groundwater Point: Borehole A At Tate Modern, Bankside Data Type: Point Name: The Board of Trustees of the Tate Gallery</p> <p>Annual Volume (m³): 300000 Max Daily Volume (m³): 2160 Original Application No: NPS/WR/004024 Original Start Date: 6/6/2011 Expiry Date: 31/3/2019 Issue No: 1 Version Start Date: 6/6/2011 Version End Date:</p>
Not shown	1785	SE	531874 180466	<p>Status: Active Licence No: TH/039/0042/006 Details: Heat Pump Direct Source: Thames Groundwater Point: Tate Modern, Bankside, London - Borehole A Data Type: Point Name: The Board of Trustees of the Tate Gallery</p> <p>Annual Volume (m³): 300000 Max Daily Volume (m³): 2160 Original Application No: NPS/WR/004024 Original Start Date: 6/6/2011 Expiry Date: 31/3/2019 Issue No: 1 Version Start Date: 10/7/2014 Version End Date:</p>
Not shown	1843	E	532160 181370	<p>Status: Historical Licence No: 28/39/39/0112 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: St. Martins Le Grand- Borehole B Data Type: Point Name: ST MARTINS PROPERTY CORP. LTD</p> <p>Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: - Original Start Date: 5/9/1966 Expiry Date: - Issue No: 101 Version Start Date: 1/7/1998 Version End Date:</p>
Not shown	1843	E	532160 181300	<p>Status: Historical Licence No: 28/39/39/0112 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: St. Martins Le Grand, London- Borehole C Data Type: Point Name: ST MARTINS PROPERTY CORP. LTD</p> <p>Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: - Original Start Date: 5/9/1966 Expiry Date: - Issue No: 101 Version Start Date: 1/7/1998 Version End Date:</p>
Not shown	1869	S	529580 179590	<p>Status: Active Licence No: TH/039/0039/016 Details: Heat Pump Direct Source: Thames Groundwater Point: 36-38 Queen Anne's Gate, London Data Type: Point Name: 36 - 38 QAG LIMITED</p> <p>Annual Volume (m³): 82368 Max Daily Volume (m³): 316.8 Original Application No: NPSWR001981 Original Start Date: 18/1/2010 Expiry Date: 31/3/2019 Issue No: 1 Version Start Date: 18/1/2010 Version End Date:</p>
Not shown	1869	S	529580 179590	<p>Status: Historical Licence No: TH/039/0039/016 Details: Heat Pump Direct Source: Thames Groundwater Point: Underground Strata (chalk) At 36-38 Queen Anne's Gate Data Type: Point Name: 36 - 38 QAG LIMITED</p> <p>Annual Volume (m³): 82368 Max Daily Volume (m³): 316.8 Original Application No: NPSWR001981 Original Start Date: 18/1/2010 Expiry Date: 31/3/2019 Issue No: 1 Version Start Date: 18/1/2010 Version End Date:</p>

ID	Distance (m)	Direction	NGR	Details
Not shown	1873	W	528532 180665	<p>Status: Active Licence No: TH/039/0039/106 Details: Heat Pump Direct Source: Thames Groundwater Point: Borehole At 6 Carlos Place, London Data Type: Point Name: Kering International Limited</p> <p>Annual Volume (m³): 23511 Max Daily Volume (m³): 100 Original Application No: NPS/WR/017716 Original Start Date: 11/3/2015 Expiry Date: 31/3/2025 Issue No: 1 Version Start Date: 11/3/2015 Version End Date:</p>
Not shown	1900	W	528480 181920	<p>Status: Historical Licence No: 28/39/39/0215 Details: Non-Evaporative Cooling Direct Source: Thames Groundwater Point: 20 Devonshire Place, London-borehole A Data Type: Point Name: TRUSTEES OF THE LONDON CLINIC LIMITED</p> <p>Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: WRA/N/1383 Original Start Date: 24/2/2005 Expiry Date: 31/3/2013 Issue No: 1 Version Start Date: 24/2/2005 Version End Date:</p>
Not shown	1903	W	528480 181930	<p>Status: Historical Licence No: 28/39/39/0215 Details: Non-Evaporative Cooling Direct Source: Thames Groundwater Point: 3-5 Devonshire Place-borehole A Data Type: Point Name: TRUSTEES OF THE LONDON CLINIC LIMITED</p> <p>Annual Volume (m³): 122400 Max Daily Volume (m³): 511 Original Application No: WRA/N/1383 Original Start Date: 24/2/2005 Expiry Date: 31/3/2013 Issue No: 1 Version Start Date: 24/2/2005 Version End Date:</p>
Not shown	1907	W	528470 181910	<p>Status: Historical Licence No: 28/39/39/0215 Details: Non-Evaporative Cooling Direct Source: Thames Groundwater Point: 20 Devonshire Place, London-borehole B Data Type: Point Name: TRUSTEES OF THE LONDON CLINIC LIMITED</p> <p>Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: WRA/N/1383 Original Start Date: 24/2/2005 Expiry Date: 31/3/2013 Issue No: 1 Version Start Date: 24/2/2005 Version End Date:</p>
Not shown	1916	NE	531452 182887	<p>Status: Active Licence No: TH/039/0039/060 Details: Potable Water Supply - Direct Direct Source: Thames Groundwater Point: Borehole At Saddlers Wells Data Type: Point Name: THAMES WATER UTILITIES LTD</p> <p>Annual Volume (m³): 473040 Max Daily Volume (m³): 1296 Original Application No: NPS/WR/009228 Original Start Date: 1/4/2013 Expiry Date: 31/3/2025 Issue No: 1 Version Start Date: 1/4/2013 Version End Date:</p>
Not shown	1922	W	528460 181930	<p>Status: Historical Licence No: 28/39/39/0215 Details: Non-Evaporative Cooling Direct Source: Thames Groundwater Point: 3-5 Devonshire Place-borehole B Data Type: Point Name: TRUSTEES OF THE LONDON CLINIC LIMITED</p> <p>Annual Volume (m³): 122400 Max Daily Volume (m³): 511 Original Application No: WRA/N/1383 Original Start Date: 24/2/2005 Expiry Date: 31/3/2013 Issue No: 1 Version Start Date: 24/2/2005 Version End Date:</p>
Not shown	1925	NE	531450 182900	<p>Status: Historical Licence No: 28/39/39/0208 Details: Potable Water Supply - Direct Direct Source: Thames Groundwater Point: Sadler's Wells Theatre, London Data Type: Point Name: THAMES WATER UTILITIES LTD</p> <p>Annual Volume (m³): 473040 Max Daily Volume (m³): 1296 Original Application No: WRA/R/1010 Original Start Date: 13/12/2004 Expiry Date: 31/3/2013 Issue No: 1 Version Start Date: 13/12/2004 Version End Date:</p>
Not shown	1925	NE	531450 182900	<p>Status: Historical Licence No: 28/39/39/0188 Details: Non-Evaporative Cooling Direct Source: Thames Groundwater Point: Borehole At Sadler's Wells Theatre, London Data Type: Point Name: SADLER'S WELLS TRUST LTD</p> <p>Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: - Original Start Date: 29/9/1998 Expiry Date: 31/12/2004 Issue No: 101 Version Start Date: 18/9/2001 Version End Date:</p>

ID	Distance (m)	Direction	NGR	Details	
Not shown	1925	NE	531450 182900	Status: Historical Licence No: 28/39/39/0208 Details: Potable Water Supply - Direct Direct Source: Thames Groundwater Point: Borehole At Sadler's Wells Theatre, London Data Type: Point Name: THAMES WATER UTILITIES LTD	Annual Volume (m³): 473040 Max Daily Volume (m³): 1296 Original Application No: WRA/R/1010 Original Start Date: 13/12/2004 Expiry Date: 31/3/2013 Issue No: 1 Version Start Date: 13/12/2004 Version End Date:
Not shown	1925	NE	531450 182900	Status: Historical Licence No: 28/39/39/0188 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: Borehole At Sadler's Wells Theatre, London Data Type: Point Name: SADLER'S WELLS TRUST LTD	Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: - Original Start Date: 29/9/1998 Expiry Date: 31/12/2004 Issue No: 101 Version Start Date: 18/9/2001 Version End Date:
Not shown	1925	NE	531450 182900	Status: Historical Licence No: 28/39/39/0188 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: Borehole At Sadlers Wells Theatre, London Data Type: Point Name: SADLERS WELLS TRUST LTD	Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: A/N/6488 Original Start Date: - Expiry Date: 31/12/2004 Issue No: 100 Version Start Date: 29/9/1998 Version End Date:
Not shown	1925	NE	531450 182900	Status: Historical Licence No: 28/39/39/0188 Details: Non-Evaporative Cooling Direct Source: Thames Groundwater Point: Borehole At Sadlers Wells Theatre, London Data Type: Point Name: SADLERS WELLS TRUST LTD	Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: A/N/6488 Original Start Date: - Expiry Date: 31/12/2004 Issue No: 100 Version Start Date: 29/9/1998 Version End Date:
Not shown	1925	NE	531450 182900	Status: Historical Licence No: 28/39/39/0188 Details: Water Bottling Direct Source: Thames Groundwater Point: Borehole At Sadler's Wells Theatre, London Data Type: Point Name: SADLER'S WELLS TRUST LTD	Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: - Original Start Date: 29/9/1998 Expiry Date: 31/12/2004 Issue No: 101 Version Start Date: 18/9/2001 Version End Date:
Not shown	1925	NE	531450 182900	Status: Historical Licence No: 28/39/39/0188 Details: Water Bottling Direct Source: Thames Groundwater Point: Borehole At Sadlers Wells Theatre, London Data Type: Point Name: SADLERS WELLS TRUST LTD	Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: A/N/6488 Original Start Date: - Expiry Date: 31/12/2004 Issue No: 100 Version Start Date: 29/9/1998 Version End Date:
Not shown	1940	E	532245 181121	Status: Historical Licence No: TH/039/0039/008 Details: Heat Pump Direct Source: Thames Groundwater Point: Borehole 'b' - 1 New Change London Data Type: Point Name: LAND SECURITIES GROUP PLC	Annual Volume (m³): 185000 Max Daily Volume (m³): 972 Original Application No: NPSWR004940 Original Start Date: 22/7/2009 Expiry Date: 31/3/2013 Issue No: 2 Version Start Date: 31/1/2011 Version End Date:

ID	Distance (m)	Direction	NGR	Details	
Not shown	1940	E	532245 181121	Status: Historical Licence No: TH/039/0039/008 Details: Heat Pump Direct Source: Thames Groundwater Point: 1 New Change London - Borehole B Data Type: Point Name: LAND SECURITIES GROUP PLC	Annual Volume (m³): 185000 Max Daily Volume (m³): 972 Original Application No: NPSWR004940 Original Start Date: 22/7/2009 Expiry Date: 31/3/2013 Issue No: 2 Version Start Date: 31/1/2011 Version End Date:
Not shown	1946	N	530368 183294	Status: Active Licence No: TH/039/0039/055 Details: Heat Pump Direct Source: Thames Groundwater Point: Regent Quarter - Borehole A Data Type: Point Name: BNP Paribas Jersey Trust Corp Ltd and Anley Trustees Ltd	Annual Volume (m³): 323612 Max Daily Volume (m³): 2160 Original Application No: NPS/WR/015663 Original Start Date: 6/2/2013 Expiry Date: 31/3/2025 Issue No: 2 Version Start Date: 25/6/2014 Version End Date:
Not shown	1981	E	532291 181171	Status: Historical Licence No: TH/039/0039/008 Details: Heat Pump Direct Source: Thames Groundwater Point: Borehole 'a' - 1 New Change London Data Type: Point Name: LAND SECURITIES GROUP PLC	Annual Volume (m³): 185000 Max Daily Volume (m³): 972 Original Application No: NPSWR004940 Original Start Date: 22/7/2009 Expiry Date: 31/3/2013 Issue No: 2 Version Start Date: 31/1/2011 Version End Date:
Not shown	1981	E	532291 181171	Status: Historical Licence No: TH/039/0039/008 Details: Heat Pump Direct Source: Thames Groundwater Point: 1 New Change London - Borehole A Data Type: Point Name: LAND SECURITIES GROUP PLC	Annual Volume (m³): 185000 Max Daily Volume (m³): 972 Original Application No: NPSWR004940 Original Start Date: 22/7/2009 Expiry Date: 31/3/2013 Issue No: 2 Version Start Date: 31/1/2011 Version End Date:
Not shown	1981	E	532291 181171	Status: Historical Licence No: TH/039/0039/008 Details: Heat Pump Direct Source: Thames Groundwater Point: One New Change - Borehole A Data Type: Point Name: LAND SECURITIES GROUP PLC	Annual Volume (m³): 185000 Max Daily Volume (m³): 972 Original Application No: NPSWR001003 Original Start Date: 22/7/2009 Expiry Date: 31/3/2013 Issue No: 1 Version Start Date: 22/7/2009 Version End Date:
Not shown	1990	SW	528813 179986	Status: Historical Licence No: TH/039/0039/011 Details: Heat Pump Direct Source: Thames Groundwater Point: Borehole At Green Park, Westminster Data Type: Point Name: LONDON UNDERGROUND LIMITED	Annual Volume (m³): 788400 Max Daily Volume (m³): 2160 Original Application No: NPSWR001412 Original Start Date: 24/12/2009 Expiry Date: 31/3/2019 Issue No: 1 Version Start Date: 24/12/2009 Version End Date:
Not shown	1990	SW	528813 179986	Status: Active Licence No: TH/039/0039/011 Details: Heat Pump Direct Source: Thames Groundwater Point: Green Park, Westminster, London - Borehole A Data Type: Point Name: LONDON UNDERGROUND LIMITED	Annual Volume (m³): 788400 Max Daily Volume (m³): 2160 Original Application No: NPSWR001412 Original Start Date: 24/12/2009 Expiry Date: 31/3/2019 Issue No: 1 Version Start Date: 24/12/2009 Version End Date:

6.4 Surface Water Abstraction Licences

Are there any Surface Water Abstraction Licences within 2000m of the study site?

No

Database searched and no data found.

6.5 Potable Water Abstraction Licences

Are there any Potable Water Abstraction Licences within 2000m of the study site?

Yes

The following Potable Water Abstraction Licences records are represented as points, lines and regions on the SPZ and Potable Water Abstraction Licences Map (6c):

ID	Distance (m)	Direction	NGR	Details
Not shown	803	SE	531030 180970	<p>Status: Historical Licence No: 28/39/39/0025 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: Globe House, Victoria Embankment-Borehole B Data Type: Point Name: COMMERZ GRUNDBESITZ INVEST. MBH</p> <p>Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: - Original Start Date: 10/1/1966 Expiry Date: - Issue No: 101 Version Start Date: Version End Date:</p>
Not shown	816	SE	531050 180980	<p>Status: Historical Licence No: 28/39/39/0025 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: Globe House, Victoria Embankment-Borehole C Data Type: Point Name: COMMERZ GRUNDBESITZ INVEST. MBH</p> <p>Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: - Original Start Date: 10/1/1966 Expiry Date: - Issue No: 101 Version Start Date: Version End Date:</p>
Not shown	825	SE	531060 180980	<p>Status: Historical Licence No: 28/39/39/0025 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: Globe House, Victoria Embankment-Borehole A Data Type: Point Name: COMMERZ GRUNDBESITZ INVEST. MBH</p> <p>Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: - Original Start Date: 10/1/1966 Expiry Date: - Issue No: 101 Version Start Date: Version End Date:</p>
Not shown	870	SE	531000 180800	<p>Status: Historical Licence No: 28/39/39/0025 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: Borehole 'a' At Globe House, Temple Place, London Data Type: Point Name: HAMMERSON UK PROPERTIES PLC</p> <p>Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: - Original Start Date: 10/1/1966 Expiry Date: - Issue No: 100 Version Start Date: Version End Date:</p>

ID	Distance (m)	Direction	NGR	Details
Not shown	870	SE	531000 180800	<p>Status: Historical Licence No: 28/39/39/0025 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: Borehole 'b' At Globe House, Temple Place, London Data Type: Point Name: HAMMERSON UK PROPERTIES PLC</p> <p>Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: - Original Start Date: 10/1/1966 Expiry Date: - Issue No: 100 Version Start Date: Version End Date:</p>
Not shown	870	SE	531000 180800	<p>Status: Historical Licence No: 28/39/39/0025 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: Borehole 'c' At Globe House, Temple Place, London Data Type: Point Name: HAMMERSON UK PROPERTIES PLC</p> <p>Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: - Original Start Date: 10/1/1966 Expiry Date: - Issue No: 100 Version Start Date: Version End Date:</p>
Not shown	873	S	529960 180510	<p>Status: Historical Licence No: 28/39/39/0212 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: The National Gallery- Borehole Data Type: Point Name: THE NATIONAL GALLERY</p> <p>Annual Volume (m³): 30558 Max Daily Volume (m³): 83.7 Original Application No: WRA/N/1311 Original Start Date: 27/10/2004 Expiry Date: 31/3/2013 Issue No: 1 Version Start Date: Version End Date:</p>
Not shown	1012	E	531300 181100	<p>Status: Historical Licence No: 28/39/39/0077 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: Borehole At 37 Fleet Street, London Ec4 Data Type: Point Name: C HOARE & CO</p> <p>Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: - Original Start Date: 13/6/1966 Expiry Date: - Issue No: 100 Version Start Date: Version End Date:</p>
Not shown	1187	W	529100 181400	<p>Status: Historical Licence No: 28/39/39/0138 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: Borehole 'b' At Walmer House, 296 Regent Street, London W1 Data Type: Point Name: CAPITAL AND COUNTIES PROPERTY COMPANY LIMITED</p> <p>Annual Volume (m³): 9126 Max Daily Volume (m³): 25 Original Application No: - Original Start Date: 11/10/1971 Expiry Date: - Issue No: 100 Version Start Date: Version End Date:</p>
Not shown	1187	W	529100 181400	<p>Status: Historical Licence No: 28/39/39/0138 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: Walmer House, 296 Regent Street, London W1-borehole B Data Type: Point Name: CAPITAL AND COUNTIES PROPERTY COMPANY LIMITED</p> <p>Annual Volume (m³): 9126 Max Daily Volume (m³): 25 Original Application No: - Original Start Date: 11/10/1971 Expiry Date: - Issue No: 100 Version Start Date: Version End Date:</p>

ID	Distance (m)	Direction	NGR	Details
Not shown	1262	E	531500 180900	<p>Status: Historical Licence No: 28/39/39/0057 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: Two Boreholes At Unilever House, Blackfriars, London Ec4 Data Type: Point Name: UNILEVER LTD</p> <p>Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: - Original Start Date: 9/5/1966 Expiry Date: - Issue No: 100 Version Start Date: Version End Date:</p>
Not shown	1275	W	529010 181330	<p>Status: Active Licence No: 28/39/39/0138 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: Walmer House, 296 Regent Street, London, W1b - Borehole 'b' Data Type: Point Name: Ponsarn Investments Limited</p> <p>Annual Volume (m³): 9126 Max Daily Volume (m³): 25 Original Application No: NPS/WR/011671 Original Start Date: 11/10/1971 Expiry Date: - Issue No: 102 Version Start Date: Version End Date:</p>
Not shown	1275	W	529010 181350	<p>Status: Active Licence No: 28/39/39/0138 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: Walmer House, 296 Regent Street, London, W1b - Borehole 'a' Data Type: Point Name: Ponsarn Investments Limited</p> <p>Annual Volume (m³): 9126 Max Daily Volume (m³): 25 Original Application No: NPS/WR/011671 Original Start Date: 11/10/1971 Expiry Date: - Issue No: 102 Version Start Date: Version End Date:</p>
Not shown	1285	W	529000 181300	<p>Status: Historical Licence No: 28/39/39/0138 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: Borehole 'a' At Walmer House, 296 Regent Street, London W1 Data Type: Point Name: CAPITAL AND COUNTIES PROPERTY COMPANY LIMITED</p> <p>Annual Volume (m³): 9126 Max Daily Volume (m³): 25 Original Application No: - Original Start Date: 11/10/1971 Expiry Date: - Issue No: 100 Version Start Date: Version End Date:</p>
Not shown	1285	W	529000 181300	<p>Status: Historical Licence No: 28/39/39/0138 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: Walmer House, 296 Regent Street, London W1-borehole A Data Type: Point Name: CAPITAL AND COUNTIES PROPERTY COMPANY LIMITED</p> <p>Annual Volume (m³): 9126 Max Daily Volume (m³): 25 Original Application No: - Original Start Date: 11/10/1971 Expiry Date: - Issue No: 100 Version Start Date: Version End Date:</p>
Not shown	1357	SW	529480 180230	<p>Status: Historical Licence No: 28/39/39/0006 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: Borehole At The Army And Navy Club, Pall Mall, London Data Type: Point Name: ARMY & NAVY CLUB</p> <p>Annual Volume (m³): 15911 Max Daily Volume (m³): 82.7 Original Application No: - Original Start Date: 11/10/1965 Expiry Date: - Issue No: 100 Version Start Date: Version End Date:</p>

ID	Distance (m)	Direction	NGR	Details
Not shown	1357	SW	529480 180230	<p>Status: Active Licence No: 28/39/39/0006 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: Army And Navy Club, Pall Mall, London Data Type: Point Name: ARMY AND NAVY CLUB LIMITED</p> <p>Annual Volume (m³): 15911 Max Daily Volume (m³): 82.7 Original Application No: NPS/WR/015097 Original Start Date: 11/10/1965 Expiry Date: - Issue No: 101 Version Start Date: Version End Date:</p>
Not shown	1560	NE	531650 182150	<p>Status: Active Licence No: 28/39/39/0206 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: 86-88 Clerkenwell Road, London-Borehole A Data Type: Point Name: Urban Hotels UK LLP</p> <p>Annual Volume (m³): 25404 Max Daily Volume (m³): 125 Original Application No: NPS/WR/010632 Original Start Date: 4/7/2003 Expiry Date: 31/3/2025 Issue No: 4 Version Start Date: Version End Date:</p>
Not shown	1585	S	530258 179733	<p>Status: Active Licence No: TH/039/0039/065 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: New Parliamentary Buildings, London-Borehole A Data Type: Point Name: THE CORPORATE OFFICER OF THE HOUSE OF COMMONS</p> <p>Annual Volume (m³): 400000 Max Daily Volume (m³): 2074 Original Application No: NPS/WR/009218 Original Start Date: 8/4/2013 Expiry Date: 31/3/2019 Issue No: 1 Version Start Date: Version End Date:</p>
Not shown	1589	S	530230 179730	<p>Status: Historical Licence No: 28/39/39/0224 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: Portcullis House- Borehole B Data Type: Point Name: CORPORATE OFFICER OF THE HOUSE OF COMMONS</p> <p>Annual Volume (m³): 400000 Max Daily Volume (m³): 2074 Original Application No: WRA/N/1318 Original Start Date: 30/8/2006 Expiry Date: 31/3/2009 Issue No: 1 Version Start Date: Version End Date:</p>
Not shown	1589	S	530230 179730	<p>Status: Historical Licence No: TH/039/0039/005 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: Portcullis House- Borehole B Data Type: Point Name: CORPORATE OFFICER OF THE HOUSE OF COMMONS</p> <p>Annual Volume (m³): 400000 Max Daily Volume (m³): 2074 Original Application No: NPS WR 000420 Original Start Date: 1/4/2009 Expiry Date: 31/3/2013 Issue No: 1 Version Start Date: Version End Date:</p>
Not shown	1589	S	530230 179730	<p>Status: Historical Licence No: 28/39/39/0178 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: East Borehole At New Parliamentary Buildings, London Data Type: Point Name: CORPORATE OFFICER OF THE HOUSE OF COMMONS</p> <p>Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: WRA/6429 Original Start Date: 24/11/1999 Expiry Date: 31/12/2004 Issue No: 1 Version Start Date: Version End Date:</p>

ID	Distance (m)	Direction	NGR	Details
Not shown	1589	S	530230 179730	<p>Status: Historical Licence No: 28/39/39/0213 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: East Borehole At New Parliamentary Buildings, London Data Type: Point Name: CORPORATE OFFICER OF THE HOUSE OF COMMONS</p> <p>Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: WRA/N/1318 Original Start Date: 24/11/1999 Expiry Date: 31/1/2006 Issue No: 1 Version Start Date: Version End Date:</p>
Not shown	1590	SE	531600 180400	<p>Status: Historical Licence No: 28/39/42/0004 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: Stamford House, Stamford Street, - Borehole 'a' Data Type: Point Name: J SAINSBURY LTD</p> <p>Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: WR/RG568 Original Start Date: 13/12/1965 Expiry Date: - Issue No: 100 Version Start Date: Version End Date:</p>
Not shown	1590	SE	531600 180400	<p>Status: Historical Licence No: 28/39/42/0004 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: Stamford House, Stamford Street, - Borehole Data Type: Point Name: BEETHAM LANDMARK LONDON LTD</p> <p>Annual Volume (m³): 47733 Max Daily Volume (m³): 327.32 Original Application No: - Original Start Date: 13/12/1965 Expiry Date: - Issue No: 101 Version Start Date: Version End Date:</p>
Not shown	1604	S	530231 179715	<p>Status: Active Licence No: TH/039/0039/065 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: New Parliamentary Buildings, London- Borehole B Data Type: Point Name: THE CORPORATE OFFICER OF THE HOUSE OF COMMONS</p> <p>Annual Volume (m³): 400000 Max Daily Volume (m³): 2074 Original Application No: NPS/WR/009218 Original Start Date: 8/4/2013 Expiry Date: 31/3/2019 Issue No: 1 Version Start Date: Version End Date:</p>
Not shown	1610	S	530220 179710	<p>Status: Historical Licence No: 28/39/39/0224 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: New Parliamentary Buildings, London- Borehole A Data Type: Point Name: CORPORATE OFFICER OF THE HOUSE OF COMMONS</p> <p>Annual Volume (m³): 400000 Max Daily Volume (m³): 2074 Original Application No: WRA/N/1318 Original Start Date: 30/8/2006 Expiry Date: 31/3/2009 Issue No: 1 Version Start Date: Version End Date:</p>
Not shown	1610	S	530220 179710	<p>Status: Historical Licence No: 28/39/39/0178 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: West Borehole At New Parliamentary Buildings, London Data Type: Point Name: CORPORATE OFFICER OF THE HOUSE OF COMMONS</p> <p>Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: WRA/6429 Original Start Date: 24/11/1999 Expiry Date: 31/12/2004 Issue No: 1 Version Start Date: Version End Date:</p>

ID	Distance (m)	Direction	NGR	Details
Not shown	1610	S	530220 179710	<p>Status: Historical Licence No: TH/039/0039/005 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: New Parliamentary Buildings, London-Borehole A Data Type: Point Name: CORPORATE OFFICER OF THE HOUSE OF COMMONS</p> <p>Annual Volume (m³): 400000 Max Daily Volume (m³): 2074 Original Application No: NPS WR 000420 Original Start Date: 1/4/2009 Expiry Date: 31/3/2013 Issue No: 1 Version Start Date: Version End Date:</p>
Not shown	1610	S	530220 179710	<p>Status: Historical Licence No: 28/39/39/0213 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: West Borehole At New Parliamentary Buildings, London Data Type: Point Name: CORPORATE OFFICER OF THE HOUSE OF COMMONS</p> <p>Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: WRA/N/1318 Original Start Date: 24/11/1999 Expiry Date: 31/1/2006 Issue No: 1 Version Start Date: Version End Date:</p>
Not shown	1662	E	531950 181030	<p>Status: Historical Licence No: 28/39/39/0229 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: Grange St Paul's Hotel- Borehole Data Type: Point Name: GLOBAL GRANGE LIMITED</p> <p>Annual Volume (m³): 73000 Max Daily Volume (m³): 200 Original Application No: GEN/39/163 Original Start Date: 17/1/2007 Expiry Date: 31/3/2013 Issue No: 1 Version Start Date: Version End Date:</p>
Not shown	1662	E	531950 181030	<p>Status: Active Licence No: TH/039/0039/066 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: Grange St Paul's Hotel- Borehole Data Type: Point Name: GLOBAL GRANGE LIMITED</p> <p>Annual Volume (m³): 45625 Max Daily Volume (m³): 125 Original Application No: NPS/WR/009183 Original Start Date: 1/4/2013 Expiry Date: 31/3/2019 Issue No: 1 Version Start Date: Version End Date:</p>
Not shown	1704	NE	531239 182777	<p>Status: Active Licence No: TH/039/0039/059 Details: Potable Water Supply - Direct Direct Source: Thames Groundwater Point: Borehole At New River Head Data Type: Point Name: THAMES WATER UTILITIES LTD</p> <p>Annual Volume (m³): 1261440 Max Daily Volume (m³): 3456 Original Application No: NPS/WR/009226 Original Start Date: 1/4/2013 Expiry Date: 31/3/2025 Issue No: 1 Version Start Date: Version End Date:</p>
Not shown	1713	NE	531280 182760	<p>Status: Historical Licence No: 28/39/39/0201 Details: Potable Water Supply - Direct Direct Source: Thames Groundwater Point: New River Head, Finsbury - Borehole Data Type: Point Name: THAMES WATER UTILITIES LTD</p> <p>Annual Volume (m³): 1261440 Max Daily Volume (m³): 3456 Original Application No: WRA/R/2/2 Original Start Date: 8/1/2004 Expiry Date: 31/3/2013 Issue No: 1 Version Start Date: Version End Date:</p>

ID	Distance (m)	Direction	NGR	Details
Not shown	1762	S	529900 179600	<p>Status: Historical Licence No: 28/39/39/0046 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: Borehole At The Central Hall, Matthew Parker Street, London Data Type: Point Name: THE CENTRAL HALL</p> <p>Annual Volume (m³): 9092 Max Daily Volume (m³): 36.37 Original Application No: - Original Start Date: 9/5/1966 Expiry Date: - Issue No: 100 Version Start Date: Version End Date:</p>
Not shown	1762	S	529900 179600	<p>Status: Active Licence No: 28/39/39/0046 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: Central Hall, Matthew Parker Street, London Data Type: Point Name: THE CENTRAL HALL</p> <p>Annual Volume (m³): 9092 Max Daily Volume (m³): 36.37 Original Application No: - Original Start Date: 9/5/1966 Expiry Date: - Issue No: 100 Version Start Date: Version End Date:</p>
Not shown	1783	E	532100 181300	<p>Status: Historical Licence No: 28/39/39/0112 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: Borehole 'c' At St. Martins Le Grand, London Ec1 Data Type: Point Name: ST MARTINS PROPERTY CORPORATION LTD</p> <p>Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: - Original Start Date: 5/9/1966 Expiry Date: - Issue No: 100 Version Start Date: Version End Date:</p>
Not shown	1784	E	532100 181400	<p>Status: Historical Licence No: 28/39/39/0112 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: Borehole 'b' At St. Martins Le Grand, London Ec1 Data Type: Point Name: ST MARTINS PROPERTY CORPORATION LTD</p> <p>Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: - Original Start Date: 5/9/1966 Expiry Date: - Issue No: 100 Version Start Date: Version End Date:</p>
Not shown	1843	E	532160 181370	<p>Status: Historical Licence No: 28/39/39/0112 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: St. Martins Le Grand- Borehole B Data Type: Point Name: ST MARTINS PROPERTY CORP. LTD</p> <p>Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: - Original Start Date: 5/9/1966 Expiry Date: - Issue No: 101 Version Start Date: Version End Date:</p>
Not shown	1843	E	532160 181300	<p>Status: Historical Licence No: 28/39/39/0112 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: St. Martins Le Grand, London- Borehole C Data Type: Point Name: ST MARTINS PROPERTY CORP. LTD</p> <p>Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: - Original Start Date: 5/9/1966 Expiry Date: - Issue No: 101 Version Start Date: Version End Date:</p>

ID	Distance (m)	Direction	NGR	Details	
Not shown	1916	NE	531452 182887	Status: Active Licence No: TH/039/0039/060 Details: Potable Water Supply - Direct Direct Source: Thames Groundwater Point: Borehole At Saddlers Wells Data Type: Point Name: THAMES WATER UTILITIES LTD	Annual Volume (m³): 473040 Max Daily Volume (m³): 1296 Original Application No: NPS/WR/009228 Original Start Date: 1/4/2013 Expiry Date: 31/3/2025 Issue No: 1 Version Start Date: Version End Date:
Not shown	1925	NE	531450 182900	Status: Historical Licence No: 28/39/39/0208 Details: Potable Water Supply - Direct Direct Source: Thames Groundwater Point: Borehole At Sadler's Wells Theatre, London Data Type: Point Name: THAMES WATER UTILITIES LTD	Annual Volume (m³): 473040 Max Daily Volume (m³): 1296 Original Application No: WRA/R/1010 Original Start Date: 13/12/2004 Expiry Date: 31/3/2013 Issue No: 1 Version Start Date: Version End Date:
Not shown	1925	NE	531450 182900	Status: Historical Licence No: 28/39/39/0188 Details: Water Bottling Direct Source: Thames Groundwater Point: Borehole At Sadler's Wells Theatre, London Data Type: Point Name: SADLER'S WELLS TRUST LTD	Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: - Original Start Date: 29/9/1998 Expiry Date: 31/12/2004 Issue No: 101 Version Start Date: Version End Date:
Not shown	1925	NE	531450 182900	Status: Historical Licence No: 28/39/39/0188 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: Borehole At Sadler's Wells Theatre, London Data Type: Point Name: SADLER'S WELLS TRUST LTD	Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: - Original Start Date: 29/9/1998 Expiry Date: 31/12/2004 Issue No: 101 Version Start Date: Version End Date:
Not shown	1925	NE	531450 182900	Status: Historical Licence No: 28/39/39/0208 Details: Potable Water Supply - Direct Direct Source: Thames Groundwater Point: Sadler's Wells Theatre, London Data Type: Point Name: THAMES WATER UTILITIES LTD	Annual Volume (m³): 473040 Max Daily Volume (m³): 1296 Original Application No: WRA/R/1010 Original Start Date: 13/12/2004 Expiry Date: 31/3/2013 Issue No: 1 Version Start Date: Version End Date:
Not shown	1925	NE	531450 182900	Status: Historical Licence No: 28/39/39/0188 Details: Water Bottling Direct Source: Thames Groundwater Point: Borehole At Sadlers Wells Theatre, London Data Type: Point Name: SADLERS WELLS TRUST LTD	Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: A/N/6488 Original Start Date: - Expiry Date: 31/12/2004 Issue No: 100 Version Start Date: Version End Date:
Not shown	1925	NE	531450 182900	Status: Historical Licence No: 28/39/39/0188 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: Borehole At Sadlers Wells Theatre, London Data Type: Point Name: SADLERS WELLS TRUST LTD	Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: A/N/6488 Original Start Date: - Expiry Date: 31/12/2004 Issue No: 100 Version Start Date: Version End Date:

6.6 Source Protection Zones

Are there any Source Protection Zones within 500m of the study site?

No

Database searched and no data found.

6.7 Source Protection Zones within Confined Aquifer

Are there any Source Protection Zones within the Confined Aquifer within 500m of the study site?

No

Historically, Source Protection Zone maps have been focused on regulation of activities which occur at or near the ground surface, such as prevention of point source pollution and bacterial contamination of water supplies. Sources in confined aquifers were often considered to be protected from these surface pressures due to the presence of a low permeability confining layer (e.g. glacial till, clay). The increased interest in subsurface activities such as onshore oil and gas exploration, ground source heating and cooling requires protection zones for confined sources to be marked on SPZ maps where this has not already been done.

Database searched and no data found.

6.8 Groundwater Vulnerability and Soil Leaching Potential

Is there any Environment Agency information on groundwater vulnerability and soil leaching potential within 500m of the study site?

Yes

Distance (m)	Direction	Classification	Soil Vulnerability Category	Description
0	On Site	Minor Aquifer/High Leaching Potential	HU	Soil information for urban areas and restored mineral workings. These soils are therefore assumed to be highly permeable in the absence of site-specific information.
285	W	Minor Aquifer/High Leaching Potential	HU	Soil information for urban areas and restored mineral workings. These soils are therefore assumed to be highly permeable in the absence of site-specific information.

6.9 River Quality

Is there any Environment Agency information on river quality within 1500m of the study site?

No

6.9.1 Biological Quality:

Database searched and no data found.

6.9.2 Chemical Quality:

Database searched and no data found.

6.10 Detailed River Network

Are there any Detailed River Network entries within 500m of the study site?

Yes

The following Detailed River Network records are represented on the Hydrology Map (6e):

ID	Distance (m)	Direction	Details	
1	325	NE	River Name: - Welsh River Name: - Alternative Name: -	River Type: Culvert Main River Status: Currently Undefined

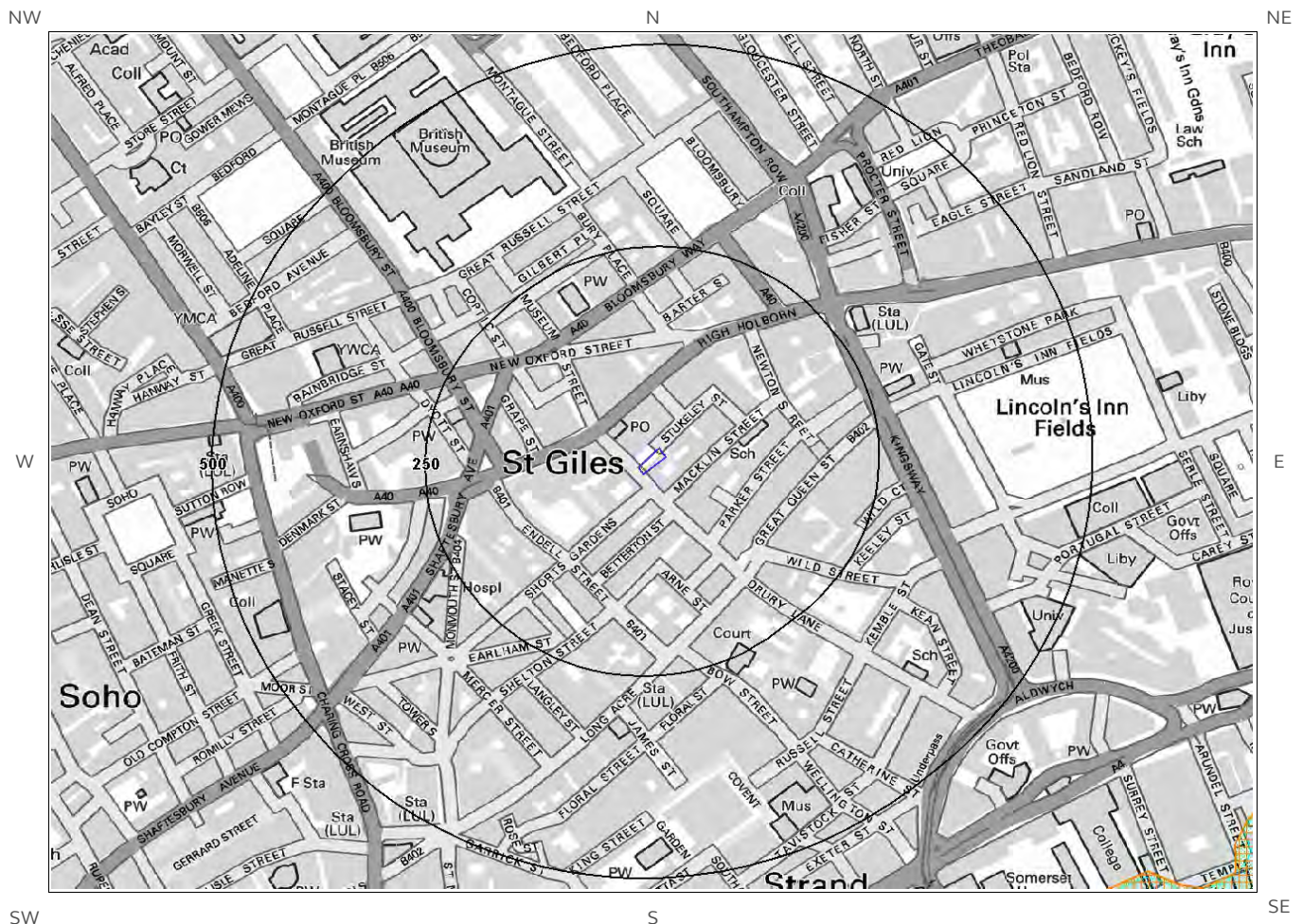
6.11 Surface Water Features

Are there any surface water features within 250m of the study site?

No

Database searched and no data found.

7a. Environment Agency Flood Map for Planning (from rivers and the sea)

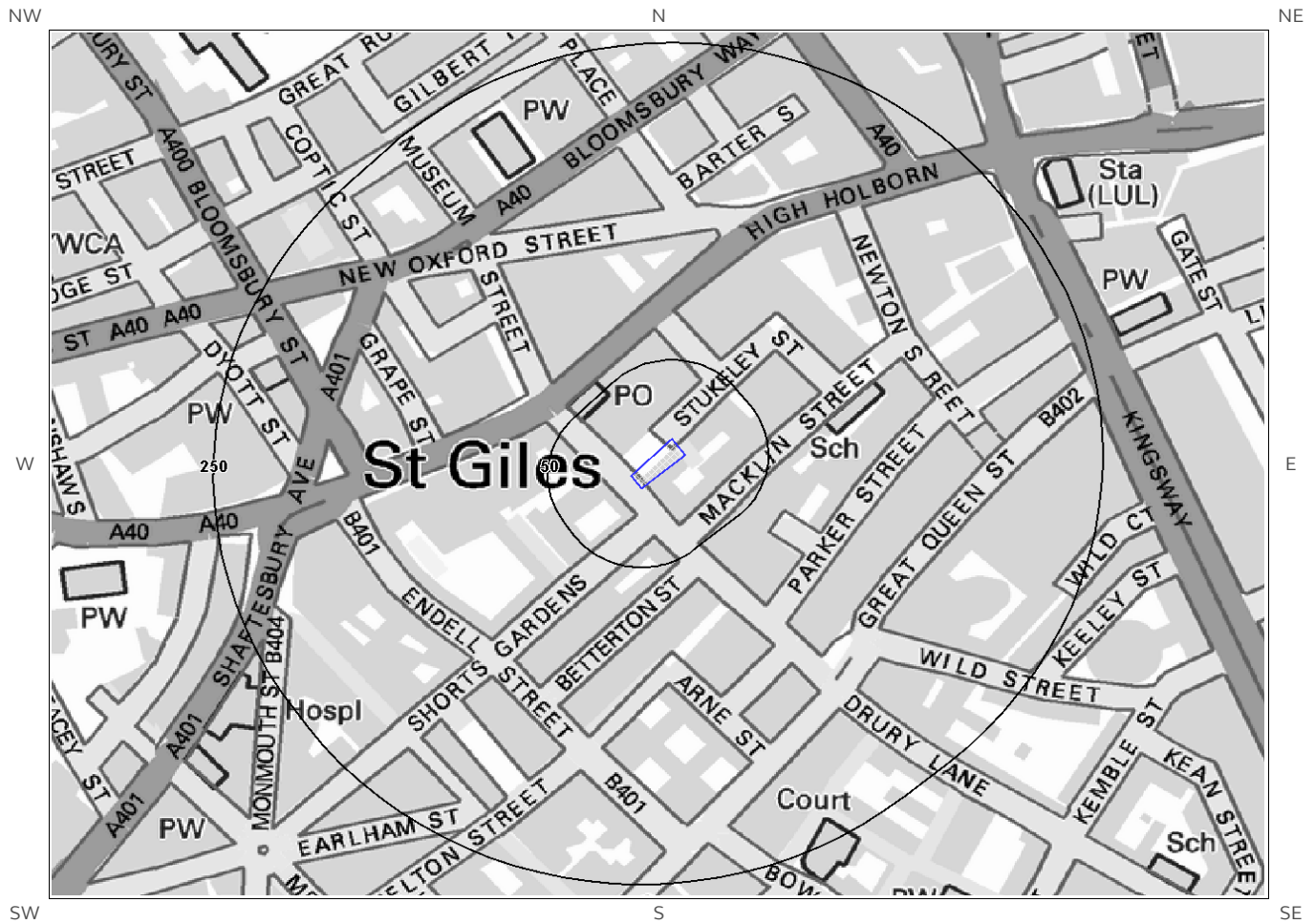


Mapping sourced from  Ordnance Survey

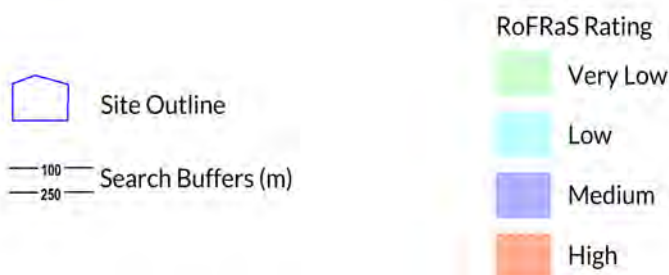
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7b. Environment Agency Risk of Flooding from Rivers and the Sea (RoFRaS) Map



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7 Flooding

7.1 River and Coastal Zone 2 Flooding

Is the site within 250m of an Environment Agency Zone 2 floodplain? No

Environment Agency Zone 2 floodplains estimate the annual probability of flooding as between 1 in 1000 (0.1%) and 1 in 100 (1%) from rivers and between 1 in 1000 (0.1%) and 1 in 200 (0.5%) from the sea. Any relevant data is represented on Map 7a – Flood Map for Planning:

Database searched and no data found.

7.2 River and Coastal Zone 3 Flooding

Is the site within 250m of an Environment Agency Zone 3 floodplain? No

Zone 3 shows the extent of a river flood with a 1 in 100 (1%) or greater chance of occurring in any year or a sea flood with a 1 in 200 (0.5%) or greater chance of occurring in any year. Any relevant data is represented on Map 7a – Flood Map for Planning.

Database searched and no data found.

7.3 Risk of Flooding from Rivers and the Sea (RoFRaS) Flood Rating

What is the highest risk of flooding onsite? Very Low

The Environment Agency RoFRaS database provides an indication of river and coastal flood risk at a national level on a 50m grid with the flood rating at the centre of the grid calculated and given above. The data considers the probability that the flood defences will overtop or breach by considering their location, type, condition and standard of protection.

RoFRaS data for the study site indicates the property is in an area with a Very Low (less than 1 in 1000) chance of flooding in any given year.

7.4 Flood Defences

Are there any Flood Defences within 250m of the study site? No
Database searched and no data found.

7.5 Areas benefiting from Flood Defences

Are there any areas benefiting from Flood Defences within 250m of the study site? No

7.6 Areas benefiting from Flood Storage

Are there any areas used for Flood Storage within 250m of the study site?

No

7.7 Groundwater Flooding Susceptibility Areas

7.7.1 Are there any British Geological Survey groundwater flooding susceptibility areas within 50m of the boundary of the study site? Yes

Does this relate to Clearwater Flooding or Superficial Deposits Flooding? Superficial Deposits Flooding

Notes: Groundwater flooding may either be associated with shallow unconsolidated sedimentary aquifers which overlie unproductive aquifers (Superficial Deposits Flooding), or with unconfined aquifers (Clearwater Flooding).

7.7.2 What is the highest susceptibility to groundwater flooding in the search area based on the underlying geological conditions?

Potential at Surface

Where potential for groundwater flooding to occur at surface is indicated, this means that given the geological conditions in the area groundwater flooding hazard should be considered in all land-use planning decisions. It is recommended that other relevant information e.g. records of previous incidence of groundwater flooding, rainfall, property type, and land drainage information be investigated in order to establish relative, but not absolute, risk of groundwater flooding.

7.8 Groundwater Flooding Confidence Areas

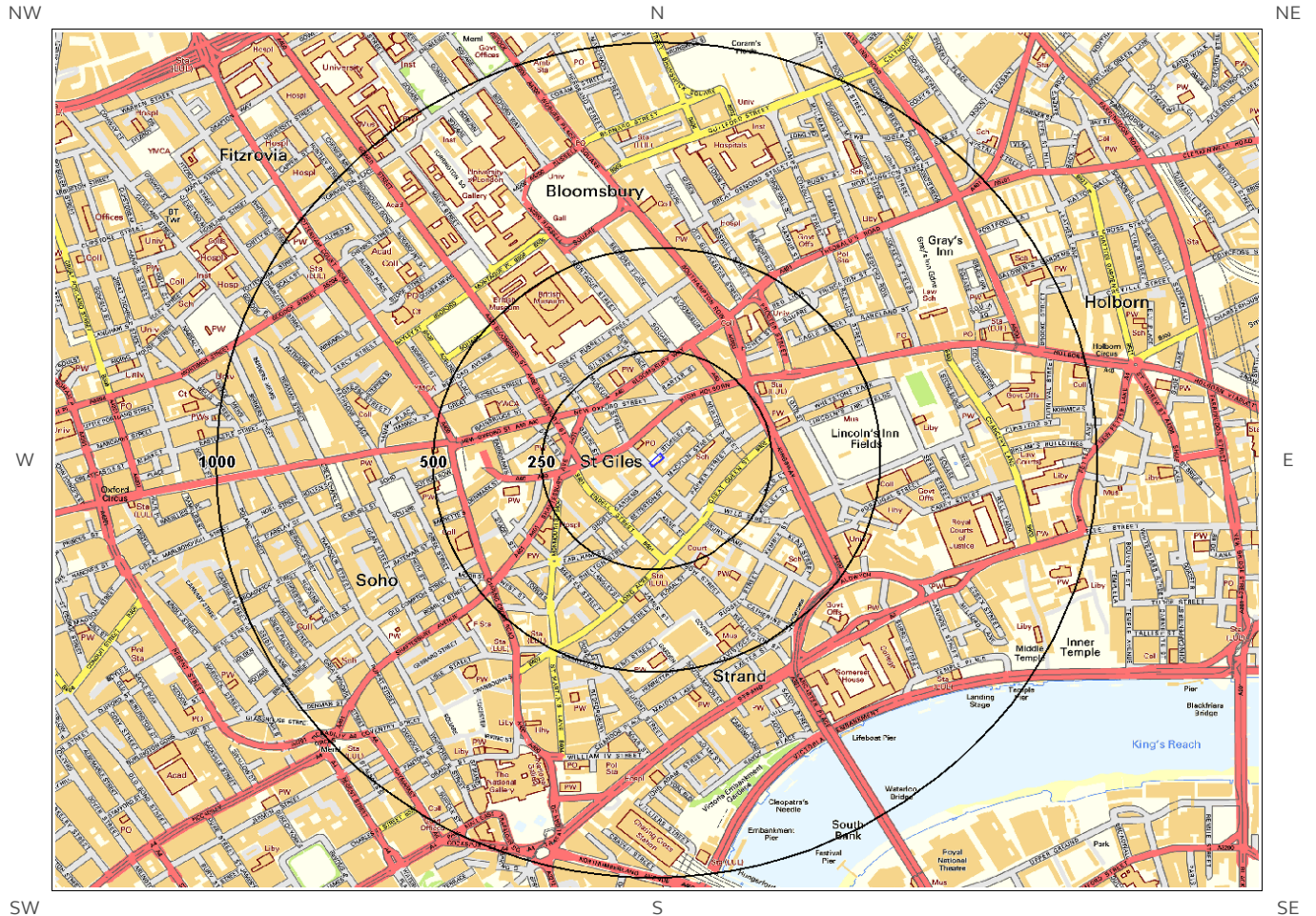
What is the British Geological Survey confidence rating in this result?

Moderate

Notes: Groundwater flooding is defined as the emergence of groundwater at the ground surface or the rising of groundwater into man-made ground under conditions where the normal range of groundwater levels is exceeded.

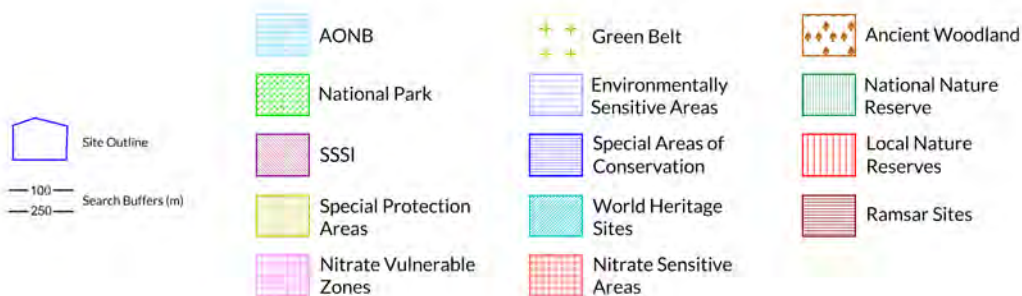
The confidence rating is on a threefold scale - Low, Moderate and High. This provides a relative indication of the BGS confidence in the accuracy of the susceptibility result for groundwater flooding. This is based on the amount and precision of the information used in the assessment. In areas with a relatively lower level of confidence the susceptibility result should be treated with more caution. In other areas with higher levels of confidence the susceptibility result can be used with more confidence.

8. Designated Environmentally Sensitive Sites Map



Mapping sourced from  **Ordnance Survey**

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8. Designated Environmentally Sensitive Sites

Presence of Designated Environmentally Sensitive Sites within 2000m of the study site? Yes

8.1 Records of Sites of Special Scientific Interest (SSSI) within 2000m of the study site:

0

Database searched and no data found.

8.2 Records of National Nature Reserves (NNR) within 2000m of the study site:

0

Database searched and no data found.

8.3 Records of Special Areas of Conservation (SAC) within 2000m of the study site:

0

Database searched and no data found.

8.4 Records of Special Protection Areas (SPA) within 2000m of the study site:

0

Database searched and no data found.

8.5 Records of Ramsar sites within 2000m of the study site:

0

Database searched and no data found.

8.6 Records of Ancient Woodland within 2000m of the study site:

0

Database searched and no data found.

8.7 Records of Local Nature Reserves (LNR) within 2000m of the study site:

0

Database searched and no data found.

8.8 Records of World Heritage Sites within 2000m of the study site:

1

The following World Heritage Site records provided by English Heritage and Cadw are represented as polygons on the Designated Environmentally Sensitive Sites Map:

ID	Distance (m)	Direction	World Heritage Site Name	Data Source
Not shown	1665	S	Palace of Westminster, Westminster Abbey and St. Margaret's Church	English Heritage

8.9 Records of Environmentally Sensitive Areas within 2000m of the study site:

0

Database searched and no data found.

8.10 Records of Areas of Outstanding Natural Beauty (AONB) within 2000m of the study site:

0

Database searched and no data found.

8.11 Records of National Parks (NP) within 2000m of the study site:

0

Database searched and no data found.

8.12 Records of Nitrate Sensitive Areas within 2000m of the study site:

0

Database searched and no data found.

8.13 Records of Nitrate Vulnerable Zones within 2000m of the study site:

0

Database searched and no data found.

8.14 Records of Green Belt land within 2000m of the study site:

0

Database searched and no data found.

9. Natural Hazards Findings

9.1 Detailed BGS GeoSure Data

BGS GeoSure Data has been searched to 50m. The data is included in tabular format. If you require further information on geology and ground stability, please obtain a Groundsure GeoInsight, available from our [website](#). The following information has been found:

9.1.1 Shrink Swell

What is the maximum Shrink-Swell* hazard rating identified on the study site? Moderate

The following natural subsidence information provided by the British Geological Survey is not represented on mapping:

Hazard
Ground conditions predominantly high plasticity. Do not plant or remove trees or shrubs near to buildings without expert advice about their effect and management. For new build, consideration should be given to advice published by the National House Building Council (NHBC) and the Building Research Establishment (BRE). There is a probable increase in construction cost to reduce potential shrink-swell problems. For existing property, there is a probable increase in insurance risk during droughts or where vegetation with high moisture demands is present.

9.1.2 Landslides

What is the maximum Landslide* hazard rating identified on the study site? Very Low

The following natural subsidence information provided by the British Geological Survey is not represented on mapping:

Hazard
Slope instability problems are unlikely to be present. No special actions required to avoid problems due to landslides. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with landslides.

9.1.3 Soluble Rocks

What is the maximum Soluble Rocks* hazard rating identified on the study site? Negligible

The following natural subsidence information provided by the British Geological Survey is not represented on mapping:

Hazard
Soluble rocks are present, but unlikely to cause problems except under exceptional conditions. No special actions required to avoid problems due to soluble rocks. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with soluble rocks.

* This indicates an automatically generated 50m buffer and site.

9.1.4 Compressible Ground

What is the maximum Compressible Ground* hazard rating identified on the study site? Negligible

The following natural subsidence information provided by the British Geological Survey is not represented on mapping:

Hazard
No indicators for compressible deposits identified. No special actions required to avoid problems due to compressible deposits. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with compressible deposits.

9.1.5 Collapsible Rocks

What is the maximum Collapsible Rocks* hazard rating identified on the study site? Very Low

The following natural subsidence information provided by the British Geological Survey is not represented on mapping:

Hazard
Deposits with potential to collapse when loaded and saturated are unlikely to be present. No special ground investigation required or increased construction costs or increased financial risk due to potential problems with collapsible deposits.

9.1.6 Running Sand

What is the maximum Running Sand** hazard rating identified on the study site? Very Low

The following natural subsidence information provided by the British Geological Survey is not represented on mapping:

Hazard
Very low potential for running sand problems if water table rises or if sandy strata are exposed to water. No special actions required, to avoid problems due to running sand. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with running sand.

9.2 Radon

9.2.1 Radon Affected Areas

Is the property in a Radon Affected Area as defined by the Health Protection Agency (HPA) and if so what percentage of homes are above the Action Level? The property is not in a Radon Affected Area, as less than 1% of properties are above the Action Level.

* This indicates an automatically generated 50m buffer and site.

9.2.2 Radon Protection

Is the property in an area where Radon Protection are required for new properties or extensions to existing

ones as described in publication BR211 by the Building Research Establishment?

No radon protective measures are necessary.

10. Mining

10.1 Coal Mining

Are there any coal mining areas within 75m of the study site? No

Database searched and no data found.

10.2 Non-Coal Mining

Are there any Non-Coal Mining areas within 50m of the study site boundary? No

Database searched and no data found.

10.3 Brine Affected Areas

Are there any brine affected areas within 75m of the study site? No

Guidance: No Guidance Required.

Contact Details

Groundsure Helpline
Telephone: 08444 159 000
info@groundsure.com

British Geological Survey Enquiries

Kingsley Dunham Centre
Keyworth, Nottingham NG12 5GG
Tel: 0115 936 3143.
Fax: 0115 936 3276.
Email:

Web: www.bgs.ac.uk

BGS Geological Hazards Reports and general geological enquiries:
enquiries@bgs.ac.uk

Environment Agency

National Customer Contact Centre, PO Box 544
Rotherham, S60 1BY
Tel: 08708 506 506

Web: www.environment-agency.gov.uk

Email: enquiries@environment-agency.gov.uk

Public Health England

Public information access office
Public Health England, Wellington House
133-155 Waterloo Road, London, SE1 8UG
www.gov.uk/phe

Email: enquiries@phe.gov.uk
Main switchboard: 020 7654 8000

The Coal Authority

200 Lichfield Lane
Mansfield
Notts NG18 4RG
Tel: 0345 7626 848
DX 716176 Mansfield 5
www.coal.gov.uk

Ordnance Survey

Adanac Drive, Southampton
SO16 0AS
Tel: 08456 050505

Local Authority

Authority: London Borough of Camden
Phone: 020 7974 4444
Web: <http://www.camden.gov.uk/>
Address: Camden Town Hall, Judd Street, London, WC1H 9JE

Gemapping PLC

Virginia Villas, High Street, Hartley Witney,
Hampshire RG27 8NW
Tel: 01252 845444



Acknowledgements: Site of Special Scientific Interest, National Nature Reserve, Ramsar Site, Special Protection Area, Special Area of Conservation data is provided by, and used with the permission of, Natural England who retain the Copyright and Intellectual Property Rights for the data.

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This report has been prepared in accordance with the Groundsure Ltd standard Terms and Conditions of business for work of this nature.

Standard Terms and Conditions

1 Definitions

In these terms and conditions unless the context otherwise requires:

“Beneficiary” means the person or entity for whose benefit the Client has obtained the Services.

“Client” means the party or parties entering into a Contract with Groundsure.

“Commercial” means any building or property which is not Residential.

“Confidential Information” means the contents of this Contract and all information received from the Client as a result of, or in connection with, this Contract other than

(i) information which the Client can prove was rightfully in its possession prior to disclosure by Groundsure and

(ii) any information which is in the public domain (other than by virtue of a breach of this Contract).

“Support Services” means Support Services provided by Groundsure including, without limitation, interpreting third party and in-house environmental data, providing environmental support advice, undertaking environmental audits and assessments, Site investigation, Site monitoring and related items.

“Contract” means the contract between Groundsure and the Client for the provision of the Services, and which shall incorporate these terms and conditions, the Order, and the relevant User Guide.

“Third Party Data Provider” means any third party providing Third Party Content to Groundsure.

“Data Reports” means reports comprising factual data with no accompanying interpretation.

“Fees” has the meaning set out in clause 5.1.

“Groundsure” means Groundsure Limited, a company registered in England and Wales under number 03421028.

“Groundsure Materials” means all materials prepared by Groundsure and provided as part of the Services, including but not limited to Third Party Content, Data Reports, Mapping, and Risk Screening Reports.

“Intellectual Property” means any patent, copyright, design rights, trade or service mark, moral rights, data protection rights, know-how or trade mark in each case whether registered or not and including applications for the same or any other rights of a similar nature anywhere in the world.

“Mapping” means a map, map data or a combination of historical maps of various ages, time periods and scales.

“Order” means an electronic, written or other order form submitted by the Client requesting Services from Groundsure in respect of a specified Site.

“Ordnance Survey” means the Secretary of State for Business, Innovation and Skills, acting through Ordnance Survey, Adanac Drive, Southampton, SO16 0AS, UK.

“Order Website” means the online platform through which Orders may be placed by the Client and accepted by Groundsure.

“Report” means a Risk Screening Report or Data Report for Commercial or Residential property.

“Residential” means any building or property used as or intended to be used as a single dwelling.

“Risk Screening Report” means a risk screening report comprising factual data with an accompanying interpretation by Groundsure.

“Services” means any Report, Mapping and/or Support Services which Groundsure has agreed to provide by accepting an Order pursuant to clause 2.6.

“Site” means the area of land in respect of which the Client has requested Groundsure to provide the Services.

“Third Party Content” means data, database information or other information which is provided to Groundsure by a Third Party Data Provider.

“User Guide” means the user guide, as amended from time to time, available upon request from Groundsure and on the website (www.Groundsure.com) and forming part of this Contract.

2 Scope of Services, terms and conditions, requests for insurance and quotations

2.1 Groundsure agrees to provide the Services in accordance with the Contract.

2.2 Groundsure shall exercise reasonable skill and care in the provision of the Services.

2.3 Subject to clause 7.3 the Client acknowledges that it has not relied on any statement or representation made by or on behalf of Groundsure which is not set out and expressly agreed in writing in the Contract and all such statements and representations are hereby excluded to the fullest extent permitted by law.

2.4 The Client acknowledges that terms and conditions appearing on a Client’s order form, printed stationery or other communication, or any terms or conditions implied by custom, practice or course of dealing shall be of no effect, and that this Contract shall prevail over all others in relation to the Order.

2.5 If the Client or Beneficiary requests insurance in conjunction with or as a result of the Services, Groundsure shall use reasonable endeavours to recommend such insurance, but makes no warranty that such insurance shall be available from insurers or that it will be offered on reasonable terms. Any insurance purchased by the Client or Beneficiary shall be subject solely to the terms of the policy issued by insurers and Groundsure will have no liability therefor. In addition you acknowledge and agree that Groundsure does not act as an agent or broker for any insurance providers. The Client should take (and ensure that the Beneficiary takes) independent advice to ensure that the insurance policy requested or offered is suitable for its requirements.

2.6 Groundsure's quotations or proposals are valid for a period of 30 days only unless an alternative period of time is explicitly stipulated by Groundsure. Groundsure reserves the right to withdraw any quotation or proposal at any time before an Order is accepted by Groundsure. Groundsure's acceptance of an Order shall be binding only when made in writing and signed by Groundsure's authorised representative or when accepted through the Order Website.

3 The Client’s obligations

3.1 The Client shall comply with the terms of this Contract and

(i) procure that the Beneficiary or any third party relying on the Services complies with and acts as if it is bound by the Contract and

(ii) be liable to Groundsure for the acts and omissions of the Beneficiary or any third party relying on the Services as if such acts and omissions were those of the Client.

3.2 The Client shall be solely responsible for ensuring that the Services are appropriate and suitable for its and/or the Beneficiary’s needs.

3.3 The Client shall supply to Groundsure as soon as practicable and without charge all requisite information (and the Client warrants that such information is accurate, complete and appropriate), including without limitation any environmental information relating to the Site and shall give such assistance as Groundsure shall reasonably require in the provision of the Services including, without limitation, access to the Site, facilities and equipment.

3.4 Where the Client’s approval or decision is required to enable Groundsure to carry out work in order to provide the Services, such approval or decision shall be given or procured in reasonable time and so as not to delay or disrupt the performance of the Services.

3.5 Save as expressly permitted by this Contract the Client shall not, and shall procure that the Beneficiary shall not, re-sell, alter, add to, or amend the Groundsure Materials, or use the Groundsure Materials in a manner for which they were not intended. The Client may make the Groundsure Materials available to a third party who is considering acquiring some or all of, or providing funding in relation to, the Site, but such third party cannot rely on the same unless expressly permitted under clause 4.

3.6 The Client is responsible for maintaining the confidentiality of its user name and password if using the Order Website and the Client acknowledges that Groundsure accepts no liability of any kind for any loss or damage suffered by the Client as a consequence of using the Order Website.

4 Reliance

4.1 The Client acknowledges that the Services provided by Groundsure consist of the presentation and analysis of Third Party Content and other content and that information obtained from a Third Party Data Provider cannot be guaranteed or warranted by Groundsure to be reliable.

4.2 In respect of Data Reports, Mapping and Risk Screening Reports, the following classes of person and no other are entitled to rely on their contents;

(i) the Beneficiary,

(ii) the Beneficiary's professional advisers, (iii) any person providing funding to the Beneficiary in relation to the Site (whether directly or as part of a lending syndicate),

(iv) the first purchaser or first tenant of the Site, and

(v) the professional advisers and lenders of the first purchaser or tenant of the Site.

4.3 In respect of Support Services, only the Client, Beneficiary and parties expressly named in a Report and no other parties are entitled to rely on its contents.

4.4 Save as set out in clauses 4.2 and 4.3 and unless otherwise expressly agreed in writing, no other person or entity of any kind is entitled to rely on any Services or Report issued or provided by Groundsure. Any party considering such Reports and Services does so at their own risk.

5 Fees and Disbursements

5.1 Groundsure shall charge and the Client shall pay fees at the rate and

frequency specified in the written proposal, Order Website or Order acknowledgement form, plus (in the case of Support Services) all proper disbursements incurred by Groundsure. The Client shall in addition pay all value added tax or other tax payable on such fees and disbursements in relation to the provision of the Services (together "Fees").

5.2 The Client shall pay all outstanding Fees to Groundsure in full without deduction, counterclaim or set off within 30 days of the date of Groundsure's invoice or such other period as may be agreed in writing between Groundsure and the Client ("Payment Date"). Interest on late payments will accrue on a daily basis from the Payment Date until the date of payment (whether before or after judgment) at the rate of 8% per annum.

5.3 The Client shall be deemed to have agreed the amount of any invoice unless an objection is made in writing within 28 days of the date of the invoice. As soon as reasonably practicable after being notified of an objection, without prejudice to clause 5.2 a member of Groundsure's management team will contact the Client and the parties shall then use all reasonable endeavours to resolve the dispute within 15 days.

6 Intellectual Property and Confidentiality

6.1 Subject to

- (i) full payment of all relevant Fees and
- (ii) compliance with this Contract, the Client is granted (and is permitted to sub-licence to the Beneficiary) a royalty-free, worldwide, non-assignable and (save to the extent set out in this Contract) non-transferable licence to make use of the Groundsure Materials.

6.2 All Intellectual Property in the Groundsure Materials are and shall remain owned by Groundsure or Groundsure's licensors (including without limitation the Third Party Data Providers) the Client acknowledges, and shall procure acknowledgement by the Beneficiary of, such ownership. Nothing in this Contract purports to transfer or assign any rights to the Client or the Beneficiary in respect of such Intellectual Property.

6.3 Third Party Data Providers may enforce any breach of clauses 6.1 and 6.2 against the Client or Beneficiary.

6.4 The Client shall, and shall procure that any recipients of the Groundsure Materials shall:

- (i) not remove, suppress or modify any trade mark, copyright or other proprietary marking belonging to Groundsure or any third party from the Services;
- (ii) use the information obtained as part of the Services in respect of the subject Site only, and shall not store or reuse any information obtained as part of the Services provided in respect of adjacent or nearby sites;
- (iii) not create any product or report which is derived directly or indirectly from the Services (save that those acting in a professional capacity to the Beneficiary may provide advice based upon the Services);
- (iv) not combine the Services with or incorporate such Services into any other information data or service;
- (v) not reformat or otherwise change (whether by modification, addition or enhancement), the Services (save that those acting for the Beneficiary in a professional capacity shall not be in breach of this clause 6.4(v) where such reformatting is in the normal course of providing advice based upon the Services);
- (vi) where a Report and/or Mapping contains material belonging to Ordnance Survey, acknowledge and agree that such content is protected by Crown Copyright and shall not use such content for any purpose outside of receiving the Services; and
- (vii) not copy in whole or in part by any means any map prints or run-on copies containing content belonging to Ordnance Survey (other than that contained within Ordnance Survey's OS Street Map) without first being in possession of a valid Paper Map Copying Licence from Ordnance Survey,

6.5 Notwithstanding clause 6.4, the Client may make reasonable use of the Groundsure Materials in order to advise the Beneficiary in a professional capacity. However, Groundsure shall have no liability in respect of any advice, opinion or report given or provided to Beneficiaries by the Client.

6.6 The Client shall procure that any person to whom the Services are made available shall notify Groundsure of any request or requirement to disclose, publish or disseminate any information contained in the Services in accordance with the Freedom of Information Act 2000, the Environmental Information Regulations 2004 or any associated legislation or regulations in force from time to time.

7.Liability: Particular Attention Should Be Paid To This Clause

7.1 This Clause 7 sets out the entire liability of Groundsure, including any liability for the acts or omissions of its employees, agents, consultants, subcontractors and Third Party Content, in respect of:

- (i) any breach of contract, including any deliberate breach of the Contract by Groundsure or its employees, agents or

subcontractors;

- (ii) any use made of the Reports, Services, Materials or any part of them; and
- (iii) any representation, statement or tortious act or omission (including negligence) arising under or in connection with the Contract.

7.2 All warranties, conditions and other terms implied by statute or common law are, to the fullest extent permitted by law, excluded from the Contract.

7.3 Nothing in the Contract limits or excludes the liability of the Supplier for death or personal injury resulting from negligence, or for any damage or liability incurred by the Client or Beneficiary as a result of fraud or fraudulent misrepresentation.

7.4 Groundsure shall not be liable for

- (i) loss of profits;
- (ii) loss of business;
- (iii) depletion of goodwill and/or similar losses;
- (iv) loss of anticipated savings;
- (v) loss of goods;
- (vi) loss of contract;
- (vii) loss of use;
- (viii) loss or corruption of data or information;
- (ix) business interruption;
- (x) any kind of special, indirect, consequential or pure economic loss, costs, damages, charges or expenses;
- (xi) loss or damage that arise as a result of the use of all or part of the Groundsure Materials in breach of the Contract;
- (xii) loss or damage arising as a result of any error, omission or inaccuracy in any part of the Groundsure Materials where such error, omission or inaccuracy is caused by any Third Party Content or any reasonable interpretation of Third Party Content;
- (xiii) loss or damage to a computer, software, modem, telephone or other property; and
- (xiv) loss or damage caused by a delay or loss of use of Groundsure's internet ordering service.

7.5 Groundsure's total liability in relation to or under the Contract shall be limited to £10 million for any claim or claims.

7.6 Groundsure shall procure that the Beneficiary shall be bound by limitations and exclusions of liability in favour of Groundsure which accord with those detailed in clauses 7.4 and 7.5 (subject to clause 7.3) in respect of all claims which the Beneficiary may bring against Groundsure in relation to the Services or other matters arising pursuant to the Contract.

8 Groundsure's right to suspend or terminate

8.1 If Groundsure reasonably believes that the Client or Beneficiary has not provided the information or assistance required to enable the proper provision of the Services, Groundsure shall be entitled to suspend all further performance of the Services until such time as any such deficiency has been made good.

8.2 Groundsure shall be entitled to terminate the Contract immediately on written notice in the event that:

- (i) the Client fails to pay any sum due to Groundsure within 30 days of the Payment Date; or
- (ii) the Client (being an individual) has a bankruptcy order made against him or (being a company) shall enter into liquidation whether compulsory or voluntary or have an administration order made against it or if a receiver shall be appointed over the whole or any part of its property assets or undertaking or if the Client is struck off the Register of Companies or dissolved; or
- (iii) the Client being a company is unable to pay its debts within the meaning of Section 123 of the Insolvency Act 1986 or being an individual appears unable to pay his debts within the meaning of Section 268 of the Insolvency Act 1986 or if the Client shall enter into a composition or arrangement with the Client's creditors or shall suffer distress or execution to be levied on his goods; or
- (iv) the Client or the Beneficiary breaches any term of the Contract (including, but not limited to, the obligations in clause 4) which is incapable of remedy or if remediable, is not remedied within five days of notice of the breach.

9. Client's Right to Terminate and Suspend

9.1 Subject to clause 10.1, the Client may at any time upon written notice terminate or suspend the provision of all or any of the Services.

9.2 In any event, where the Client is a consumer (and not a business) he/she hereby expressly acknowledges and agrees that:

(i) the supply of Services under this Contract (and therefore the performance of this Contract) commences immediately upon Groundsure's acceptance of the Order; and

(ii) the Reports and/or Mapping provided under this Contract are

- (a) supplied to the Client's specification(s) and in any event
- (b) by their nature cannot be returned.

10 Consequences of Withdrawal, Termination or Suspension

10.1 Upon termination of the Contract:

(i) Groundsure shall take steps to bring to an end the Services in an orderly manner, vacate any Site with all reasonable speed and shall deliver to the Client and/or Beneficiary any property of the Client and/or Beneficiary in Groundsure's possession or control; and

(ii) the Client shall pay to Groundsure all and any Fees payable in respect of the performance of the Services up to the date of termination or suspension. In respect of any Support Services provided, the Client shall also pay Groundsure any additional costs incurred in relation to the termination or suspension of the Contract.

11 Anti-Bribery

11.1 The Client warrants that it shall:

(i) comply with all applicable laws, statutes and regulations relating to anti-bribery and anti-corruption including but not limited to the Bribery Act 2010;

(ii) comply with such of Groundsure's anti-bribery and anti-corruption policies as are notified to the Client from time to time; and

(iii) promptly report to Groundsure any request or demand for any undue financial or other advantage of any kind received by or on behalf of the Client in connection with the performance of this Contract.

11.2 Breach of this Clause 11 shall be deemed a material breach of this Contract.

12 General

12.1 The Mapping contained in the Services is protected by Crown copyright and must not be used for any purpose other than as part of the Services or as specifically provided in the Contract.

12.2 The Client shall be permitted to make one copy only of each Report or Mapping Order. Thereafter the Client shall be entitled to make unlimited copies of the Report or Mapping Order only in accordance with an Ordnance Survey paper map copy license available through Groundsure.

12.3 Groundsure reserves the right to amend or vary this Contract. No amendment or variation to this Contract shall be valid unless signed by an authorised representative of Groundsure.

12.4 No failure on the part of Groundsure to exercise, and no delay in exercising, any right, power or provision under this Contract shall operate as a waiver thereof.

12.5 Save as expressly provided in this Contract, no person other than the persons set out therein shall have any right under the Contract (Rights of Third Parties) Act 1999 to enforce any terms of the Contract.

12.6 The Secretary of State for Business, Innovation and Skills ("BIS") or BIS' successor body, as the case may be, acting through Ordnance Survey may enforce a breach of clause 6.4(vi) and clause 6.4(vii) of these terms and conditions against the Client in accordance with the provisions of the Contracts (Rights of Third Parties) Act 1999.

12.7 Groundsure shall not be liable to the Client if the provision of the Services is delayed or prevented by one or more of the following circumstances:

- (i) the Client or Beneficiary's failure to provide facilities, access or information;
- (ii) fire, storm, flood, tempest or epidemic;
- (iii) Acts of God or the public enemy;
- (iv) riot, civil commotion or war;
- (v) strikes, labour disputes or industrial action;
- (vi) acts or regulations of any governmental or other agency;
- (vii) suspension or delay of services at public registries by Third Party Data Providers;
- (viii) changes in law; or
- (ix) any other reason beyond Groundsure's reasonable control.

In the event that Groundsure is prevented from performing the Services (or any part thereof) in accordance with this clause 12.6 for a period of not less than 30 days then Groundsure shall be entitled to terminate this Contract immediately on written notice to the Client.

12.8 Any notice provided shall be in writing and shall be deemed to be properly given if delivered by hand or sent by first class post, facsimile or by email to the address, facsimile number or email address of the relevant party as may have been notified by each party to the other for such purpose or in the absence of such notification the last known address.

12.9 Such notice shall be deemed to have been received on the day of delivery if delivered by hand, facsimile or email (save to the extent such day is not a working day where it shall be deemed to have been delivered on the next working day) and on the second working day after the day of posting if sent by first class post.

12.10 The Contract constitutes the entire agreement between the parties and shall supersede all previous arrangements between the parties relating to the subject matter hereof.

12.11 Each of the provisions of the Contract is severable and distinct from the others and if one or more provisions is or should become invalid, illegal or unenforceable, the validity and enforceability of the remaining provisions shall not in any way be tainted or impaired.

12.12 This Contract shall be governed by and construed in accordance with English law and any proceedings arising out of or connected with this Contract shall be subject to the exclusive jurisdiction of the English courts.

12.13 Groundsure is an executive member of the Council of Property Search Organisation (CoPSO) and has signed up to the Search Code administered by the Property Codes Compliance Board (PCCB). All Risk Screening Reports shall be supplied in accordance with the provisions of the Search Code.

12.14 If the Client or Beneficiary has a complaint about the Services, written notice should be given to the Compliance Officer at Groundsure who will respond in a timely manner.

12.15 The Client agrees that it shall, and shall procure that each Beneficiary shall, treat in confidence all Confidential Information and shall not, and shall procure that each Beneficiary shall not (i) disclose any Confidential Information to any third party other than in accordance with the terms of this Contract; and (ii) use Confidential Information for a purpose other than the exercise of its rights and obligations under this Contract. Subject to clause 6.6, nothing shall prevent the Client or any Beneficiary from disclosing Confidential Information to the extent required by law. © Groundsure Limited June 2013



Maund Geo- Consulting Ltd
20, Mortlake Avenue,
Worcester, WR5 IQD

Groundsure Reference: HMD-2443182
Your Reference: Stukeley_Street

Report Date 14 Sep 2015

Report Delivery Method: Email - pdf

Groundsure Geoinsight

Address: 10A, STUKELEY STREET, LONDON, WC2B 5LQ

Dear Sir/ Madam,

Thank you for placing your order with Groundsure. Please find enclosed the **Groundsure Geoinsight** as requested.

If you need any further assistance, please do not hesitate to contact our helpline on 08444 159000 quoting the above Groundsure reference number.

Yours faithfully,

Managing Director
Groundsure Limited

Enc.
Groundsure Geoinsight

Groundsure Geoinsight

Address: 10A, STUKELEY STREET, LONDON, WC2B 5LQ
Date: 14 Sep 2015
Reference: HMD-2443182
Client: Maund Geo- Consulting Ltd



Aerial Photograph Capture date: 20-Apr-2013
Grid Reference: 530303,181335
Site Size: 0.04ha

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Overview of Findings

The Groundsure Geosight provides high quality geo-environmental information that allows geo-environmental professionals and their clients to make informed decisions and be forewarned of potential ground instability problems that may affect the ground investigation, foundation design and possibly remediation options that could lead to possible additional costs.

The report is based on the BGS 1:50,000 Digital Geological Map of Great Britain, BGS Geosure data; BRITPITS database; Shallow Mining data and Borehole Records, Coal Authority data including brine extraction areas, PBA non-coal mining and natural cavities database, Johnson Poole and Bloomer mining data and Groundsure's unique database including historical surface ground and underground workings.

For further details on each dataset, please refer to each individual section in the report as listed. Where the database has been searched a numerical result will be recorded. Where the database has not been searched '-' will be recorded.

Section 1:Geology

1.1 Artificial Ground	1.1.1 Is there any Artificial Ground/ Made Ground present beneath the study site?	No
	1.1.2 Are there any records relating to permeability of artificial ground within the study site* boundary?	No
1.2 Superficial Geology and Landslips	1.2.1 Is there any Superficial Ground/Drift Geology present beneath the study site?	Yes
	1.2.2 Are there any records relating to permeability of superficial geology within the study site boundary?	Yes
	1.2.3 Are there any records of landslip within 500m of the study site boundary?	No
	1.2.4 Are there any records relating to permeability of landslips within the study site boundary?	No
1.3 Bedrock, Solid Geology & Faults	1.3.1 For records of Bedrock and Solid Geology beneath the study site* see the detailed findings section.	
	1.3.2 Are there any records relating to permeability of bedrock within the study site boundary?	Yes
	1.3.3 Are there any records of faults within 500m of the study site boundary?	No
1.4 Radon data	1.4.1 Is the property in a Radon Affected Area as defined by the Health Protection Agency (HPA) and if so what percentage of homes are above the Action Level?	The property is not in a Radon Affected Area, as less than 1% of properties are above the Action Level
	1.4.2 Is the property in an area where Radon Protection Measures are required for new properties or extensions to existing ones as described in publication BR211 by the Building Research Establishment?	No radon protective measures are necessary

Section 2:Ground Workings	On-site	0-50m	51-250	251-500	501-1000
2.1 Historical Surface Ground Working Features from Small Scale Mapping	0	0	0	Not Searched	Not Searched
2.2 Historical Underground Workings from Small Scale Mapping	0	0	0	0	5
2.3 Current Ground Workings	0	0	0	0	0

Section 3: Mining, Extraction & Natural Cavities	On-site	0-50m	51-250	251-500	501-1000
3.1 Historical Mining	0	0	0	0	0
3.2 Coal Mining	0	0	0	0	0
3.3 Johnson Poole and Bloomer Mining Area	1	0	0	1	4
3.4 Non-Coal Mining	0	0	0	0	0
3.5 Non-Coal Mining Cavities	0	0	0	0	0
3.6 Natural Cavities	0	0	0	0	0
3.7 Brine Extraction	0	0	0	0	0
3.8 Gypsum Extraction	0	0	0	0	0
3.9 Tin Mining	0	0	0	0	0
3.10 Clay Mining	0	0	0	0	0

Section 4: Natural Ground Subsidence	On-site
4.1 Shrink Swell Clay	Moderate
4.2 Landslides	Very Low
4.3 Ground Dissolution of Soluble Rocks	Negligible
4.4 Compressible Deposits	Negligible
4.5 Collapsible Deposits	Very Low
4.6 Running Sand	Very Low

Section 5: Borehole Records	On-site	0-50m	51-250
5 BGS Recorded Boreholes	0	3	69

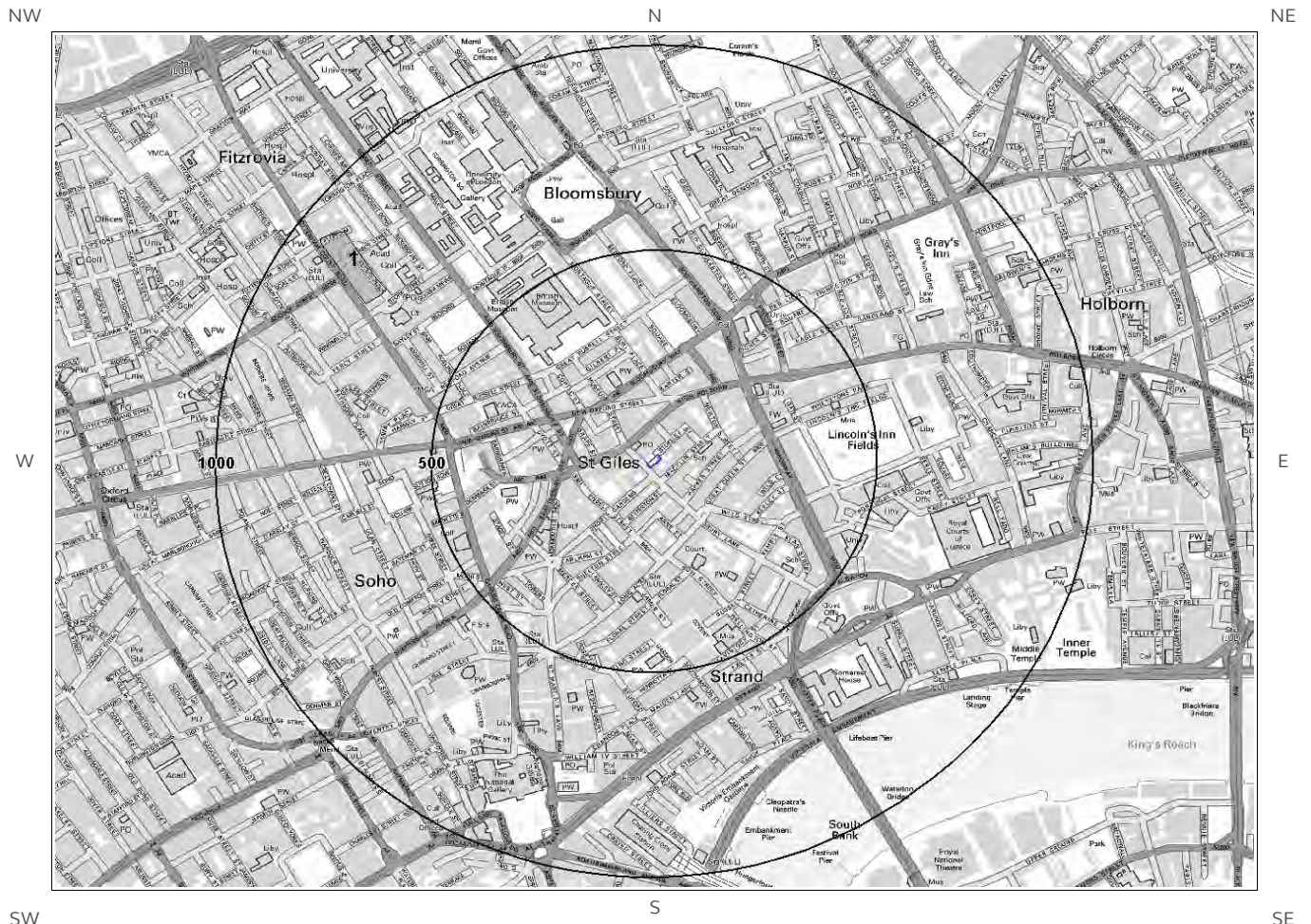
Section 6: Estimated Background Soil Chemistry	On-site	0-50m	51-250
6 Records of Background Soil Chemistry	1	0	7

Section 7: Railways and Tunnels	On-site	0-50m	51-250	251-500
7.1 Tunnels	0	0	2	Not Searched
7.2 Historical Railway and Tunnel Features	0	0	0	Not Searched
7.3 Historical Railways	0	0	1	Not Searched
7.4 Active Railways	0	0	0	Not Searched

Section 7:Railways and Tunnels	On-site	0-50m	51-250	251-500
7.5 Railway Projects	0	1	1	1

1 Geology

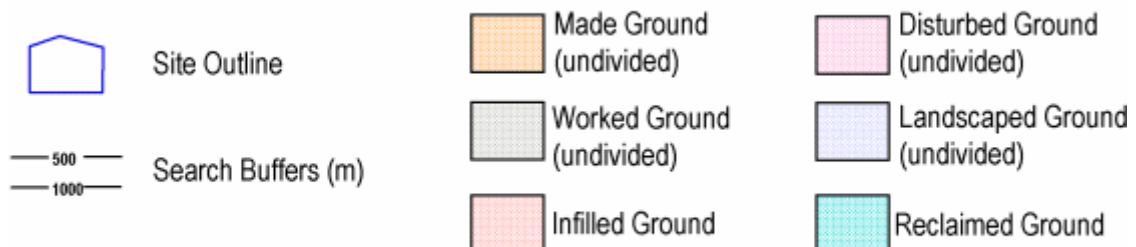
1.1 Artificial Ground Map



Artificial Ground Legend



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1 Geology

1.1 Artificial Ground

1.1.1 Artificial/ Made Ground

The following geological information represented on the mapping is derived from 1:50,000 scale BGS Geological mapping, Sheet No:256

Are there any records of Artificial/Made Ground within 500m of the study site boundary? No

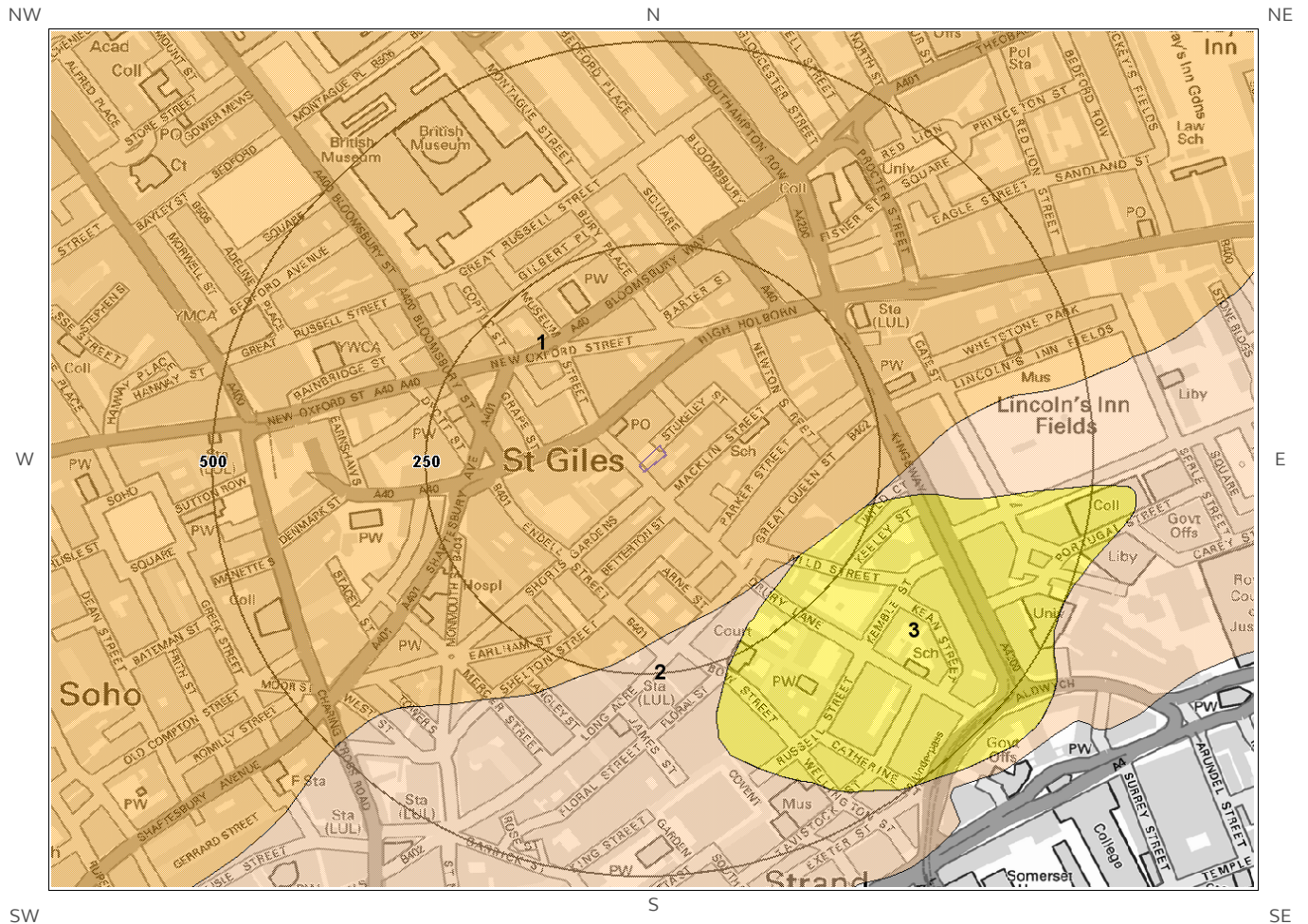
Database searched and no data found.

1.1.2 Permeability of Artificial Ground

Are there any records relating to permeability of artificial ground within the study site boundary? No

Database searched and no data found.

1.2 Superficial Deposits and Landslips Map



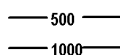
Superficial Deposits and Landslips Legend



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Site Outline



Search Buffers (m)

1.2 Superficial Deposits and Landslips

1.2.1 Superficial Deposits/ Drift Geology

Are there any records of Superficial Deposits/ Drift Geology within 500m of the study site boundary? Yes

ID	Distance (m)	Direction	LEX Code	Description	Rock Description
1	0.0	On Site	LHGR	LYNCH HILL GRAVEL MEMBER	SAND AND GRAVEL [UNLITHIFIED DEPOSITS CODING SCHEME]
2	189.0	SE	HAGR	HACKNEY GRAVEL MEMBER	SAND AND GRAVEL [UNLITHIFIED DEPOSITS CODING SCHEME]
3	199.0	SE	LASI	LANGLEY SILT MEMBER	CLAY AND SILT [UNLITHIFIED DEPOSITS CODING SCHEME]

1.2.2 Permeability of Superficial Ground

Are there any records relating to permeability of superficial ground within the study site boundary? Yes

Distance (m)	Direction	Flow Type	Maximum Permeability	Minimum Permeability
0.0	On Site	Intergranular	Very High	High

1.2.3 Landslip

Are there any records of Landslip within 500m of the study site boundary? No

Database searched and no data found.

This Geology shows the main components as discrete layers, these are: Artificial / Made Ground, Superficial / Drift Geology and Landslips. These are all displayed with the BGS Lexicon code for the rock unit and BGS sheet number. Not all of the main geological components have nationwide coverage.

1.2.4 Landslip Permeability

Are there any records relating to permeability of landslips within the study site** boundary? No

Database searched and no data found.

* This includes an automatically generated 50m buffer zone around the site

1.3 Bedrock and Faults Map



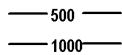
Bedrock and Faults Legend



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Site Outline



Search Buffers (m)

1.3 Bedrock, Solid Geology & Faults

The following geological information represented on the mapping is derived from 1:50,000 scale BGS Geological mapping, Sheet No:256

1.3.1 Bedrock/ Solid Geology

Records of Bedrock/ Solid Geology within 500m of the study site boundary:

ID	Distance (m)	Direction	LEX Code	Description	Rock Age
1	0.0	On Site	LC-CLSISA	London Clay Formation - Clay, Silt And Sand	No Details

1.3.2 Permeability of Bedrock Ground

Are there any records relating to permeability of bedrock ground within the study site* boundary? Yes

Distance (m)	Direction	Flow Type	Maximum Permeability	Minimum Permeability
0.0	On Site	Mixed	Moderate	Very Low

1.3.3 Faults

Are there any records of Faults within 500m of the study site boundary? No

Database searched and no data found.

The geology map for the site and surrounding area are extracted from the BGS Digital Geological Map of Great Britain at 1:50,000 scale.

This Geology shows the main components as discrete layers, these are: Bedrock/ Solid Geology and linear features such as Faults. These are all displayed with the BGS Lexicon code for the rock unit and BGS sheet number. Not all of the main geological components have nationwide coverage.

* This includes an automatically generated 50m buffer zone around the site

1.4 Radon Data

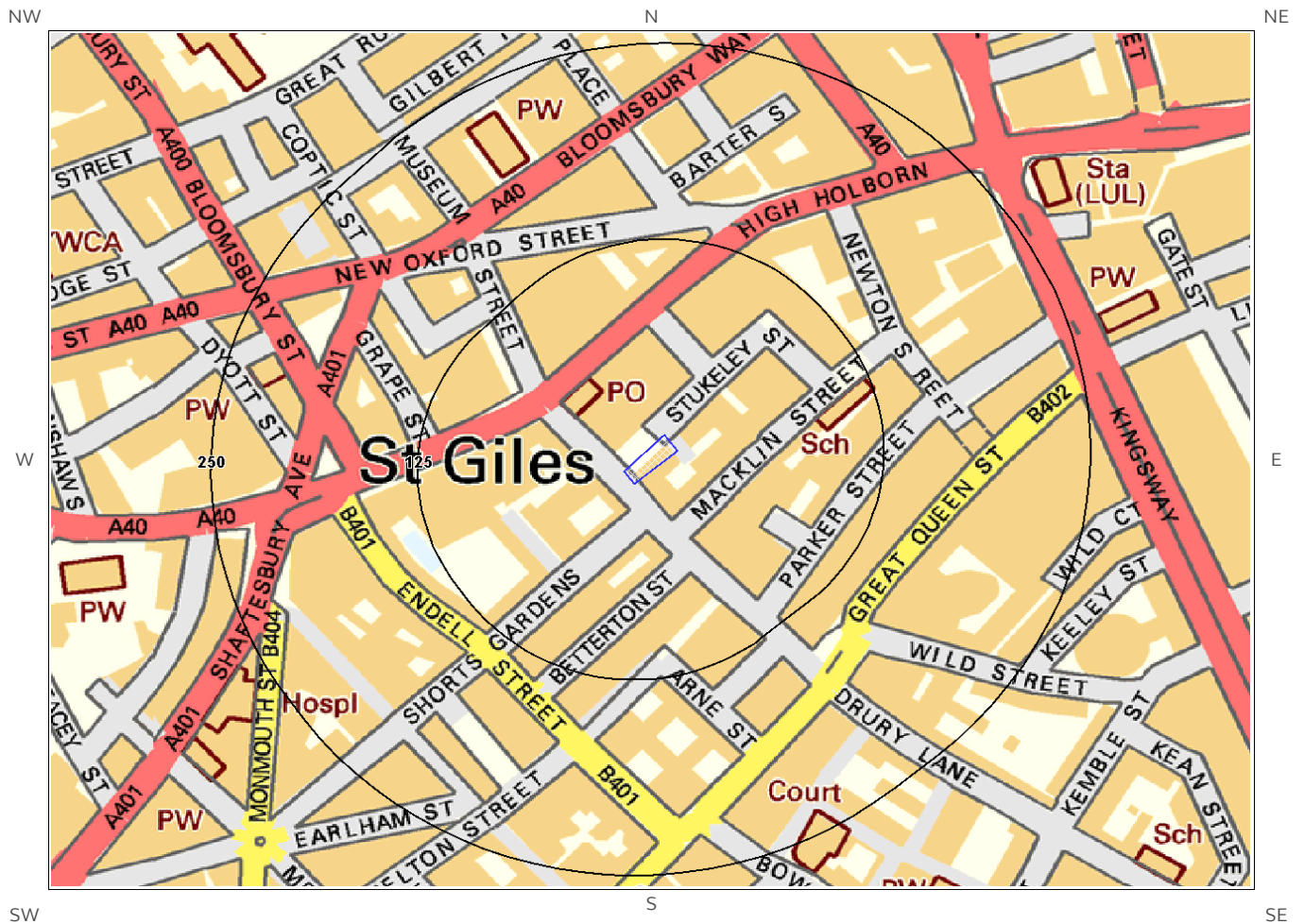
1.4.1 Radon Affected Areas

Is the property in a Radon Affected Area as defined by the Health Protection Agency (HPA) and if so what percentage of homes are above the Action Level? The property is not in a Radon Affected Area, as less than 1% of properties are above the Action Level

1.4.2 Radon Protection

Is the property in an area where Radon Protection are required for new properties or extensions to existing ones as described in publication BR211 by the Building Research Establishment? No radon protective measures are necessary



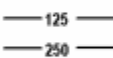


2 Ground Workings Map



Ground Workings Legend



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- | | | | |
|---|--------------------|---|----------------------------------|
|  | Site Outline |  | Historic Surface Ground Workings |
|  | Search Buffers (m) |  | Historic Underground Workings |
| | |  | Current Ground Workings |

2 Ground Workings

2.1 Historical Surface Ground Working Features derived from Historical Mapping

This dataset is based on Groundsure's unique Historical Land Use Database derived from 1:10,560 and 1:10,000 scale historical mapping.

Are there any Historical Surface Ground Working Features within 250m of the study site boundary? No

Database searched and no data found.

2.2 Historical Underground Working Features derived from Historical Mapping

This data is derived from the Groundsure unique Historical Land Use Database. It contains data derived from 1:10,000 and 1:10,560 historical Ordnance Survey Mapping and includes some natural topographical features (Shake Holes for example) as well as manmade features that may have implications for ground stability. Underground and mining features have been identified from surface features such as shafts. The distance that these extend underground is not shown.

Are there any Historical Underground Working Features within 1000m of the study site boundary? Yes

The following Historical Underground Working Features are provided by Groundsure:

ID	Distance (m)	Direction	NGR	Use	Date
Not shown	751.0	SE	530573 180606	Tunnel	1895
Not shown	752.0	SE	530559 180596	Tunnel	1895
Not shown	854.0	SE	531608 180849	Tunnel	1895
Not shown	959.0	S	530343 180032	Tunnel	1895
Not shown	960.0	S	530350 180048	Tunnel	1895

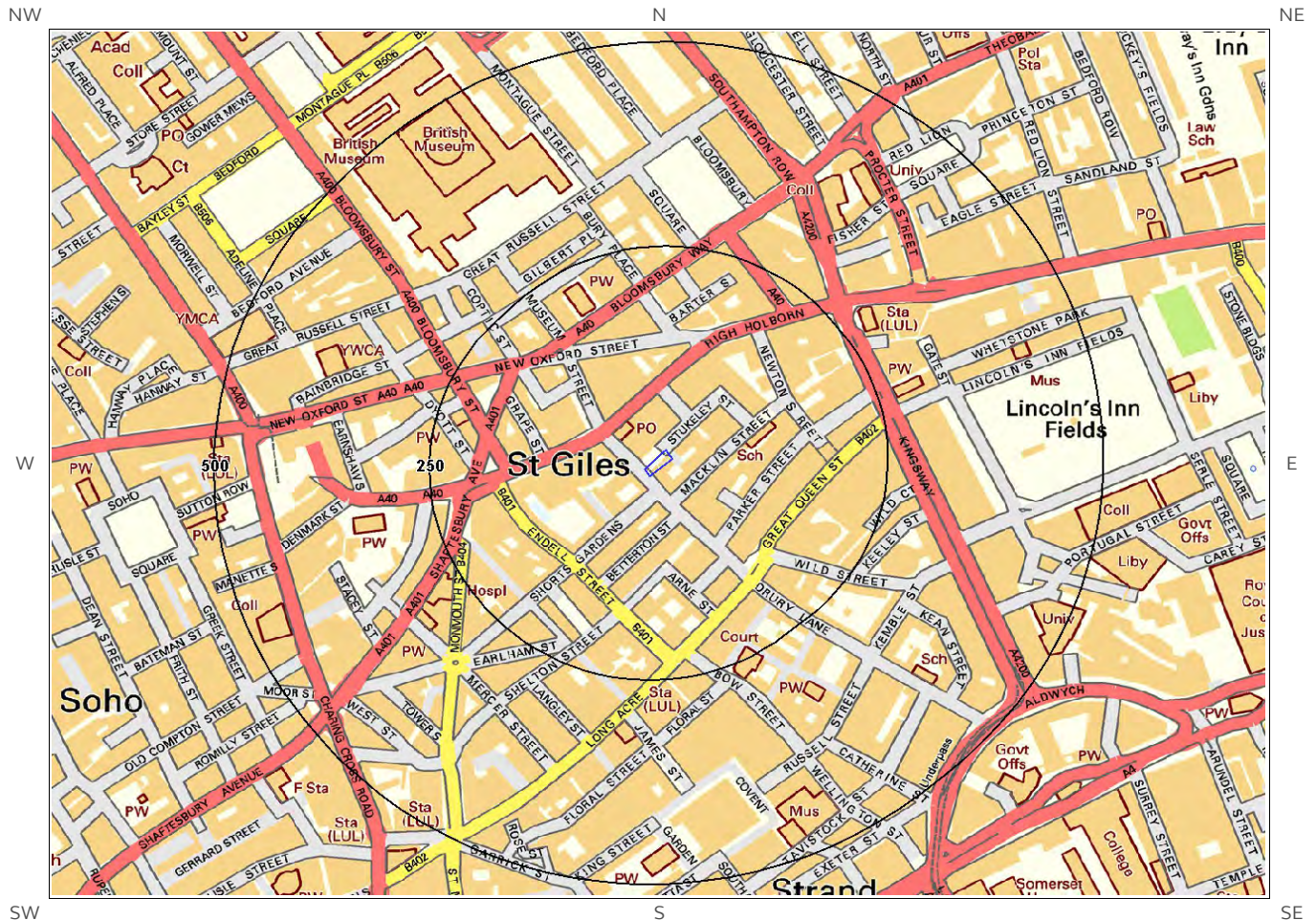
2.3 Current Ground Workings

This dataset is derived from the BGS BRITPITS database covering active; inactive mines; quarries; oil wells; gas wells and mineral wharves; and rail deposits throughout the British Isles.

Are there any BGS Current Ground Workings within 1000m of the study site boundary? No

Database searched and no data found.


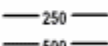
3 Mining, Extraction & Natural Cavities Map



Mining, Extraction and
Natural Cavities Legend






Mapping
sourced from


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 Site Outline
 Search Buffers (m)
— 250 —
— 500 —

 Historical Mining
 Non-Coal Mining Cavities
 Natural Cavities

Non-Coal Mining

 Highly likely
 Likely
 Unlikely
 Highly unlikely
 Rare

3 Mining, Extraction & Natural Cavities

3.1 Historical Mining

This dataset is derived from Groundsure unique Historical Land-use Database that are indicative of mining or extraction activities.

Are there any Historical Mining areas within 1000m of the study site boundary? No

Database searched and no data found.

3.2 Coal Mining

This dataset provides information as to whether the study site lies within a known coal mining affected area as defined by the coal authority.

Are there any Coal Mining areas within 1000m of the study site boundary? No

Database searched and no data found.

3.3 Johnson Poole and Bloomer

This dataset provides information as to whether the study site lies within an area where JPB hold information relating to mining.

Are there any JPB Mining areas within 1000m of the study site boundary? Yes

The following information provided by JPB is not represented on mapping: Whilst outside of an area where The Coal Authority have information on coal mining activities, Johnson Poole & Bloomer (JPB) have information such as mining plans and maps held within their archive of mining activities that have occurred within 1km of this property. Further details and a quote for services can be obtained by emailing this report to enquiries.gs@jpb.co.uk.

3.4 Non-Coal Mining

This dataset provides information as to whether the study site lies within an area which may have been subject to non-coal historic mining.

Are there any Non-Coal Mining areas within 1000m of the study site boundary? No

Database searched and no data found.

3.5 Non-Coal Mining Cavities

This dataset provides information from the Peter Brett Associates (PBA) mining cavities database (compiled for the national study entitled “Review of mining instability in Great Britain, 1990” PBA has also continued adding to this database) on mineral extraction by mining.

Are there any Non-Coal Mining cavities within 1000m of the study site boundary? No

Database searched and no data found.

3.6 Natural Cavities

This dataset provides information based on Peter Brett Associates natural cavities database.

Are there any Natural Cavities within 1000m of the study site boundary? No

Database searched and no data found.

3.7 Brine Extraction

This data provides information from the Coal Authority issued on behalf of the Cheshire Brine Subsidence Compensation Board.

Are there any Brine Extraction areas within 1000m of the study site boundary? No

Database searched and no data found.

3.8 Gypsum Extraction

This dataset provides information on Gypsum extraction from British Gypsum records.

Are there any Gypsum Extraction areas within 1000m of the study site boundary? No

Database searched and no data found.

3.9 Tin Mining

This dataset provides information on tin mining areas and is derived from tin mining records. This search is based upon postcode information to a sector level.

Are there any Tin Mining areas within 1000m of the study site boundary? No

Database searched and no data found.

3.10 Clay Mining

This dataset provides information on Kaolin and Ball Clay mining from relevant mining records.

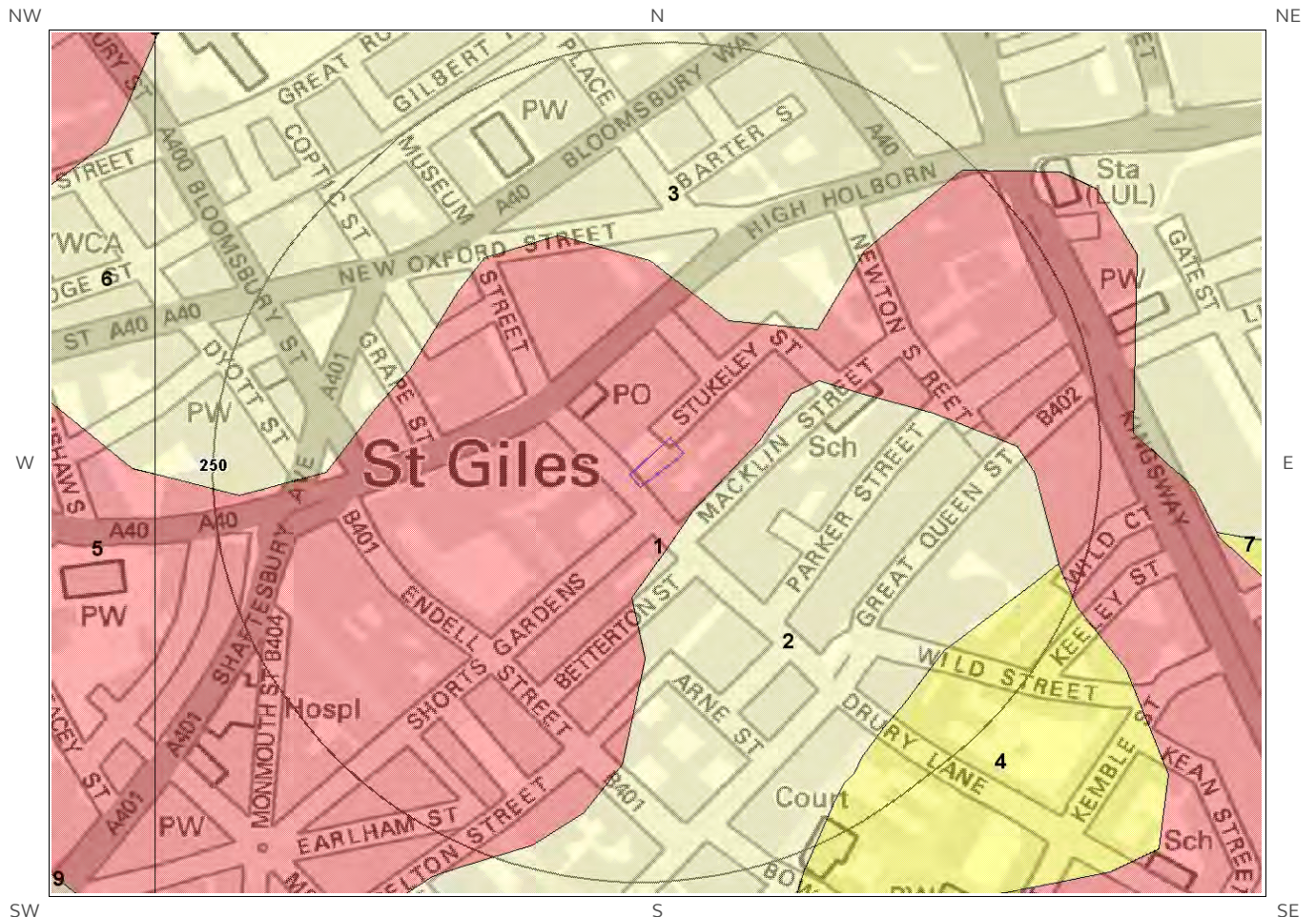
Are there any Clay Mining areas within 1000m of the study site boundary?

No

Database searched and no data found.

4 Natural Ground Subsidence

4.1 Shrink-Swell Clay Map



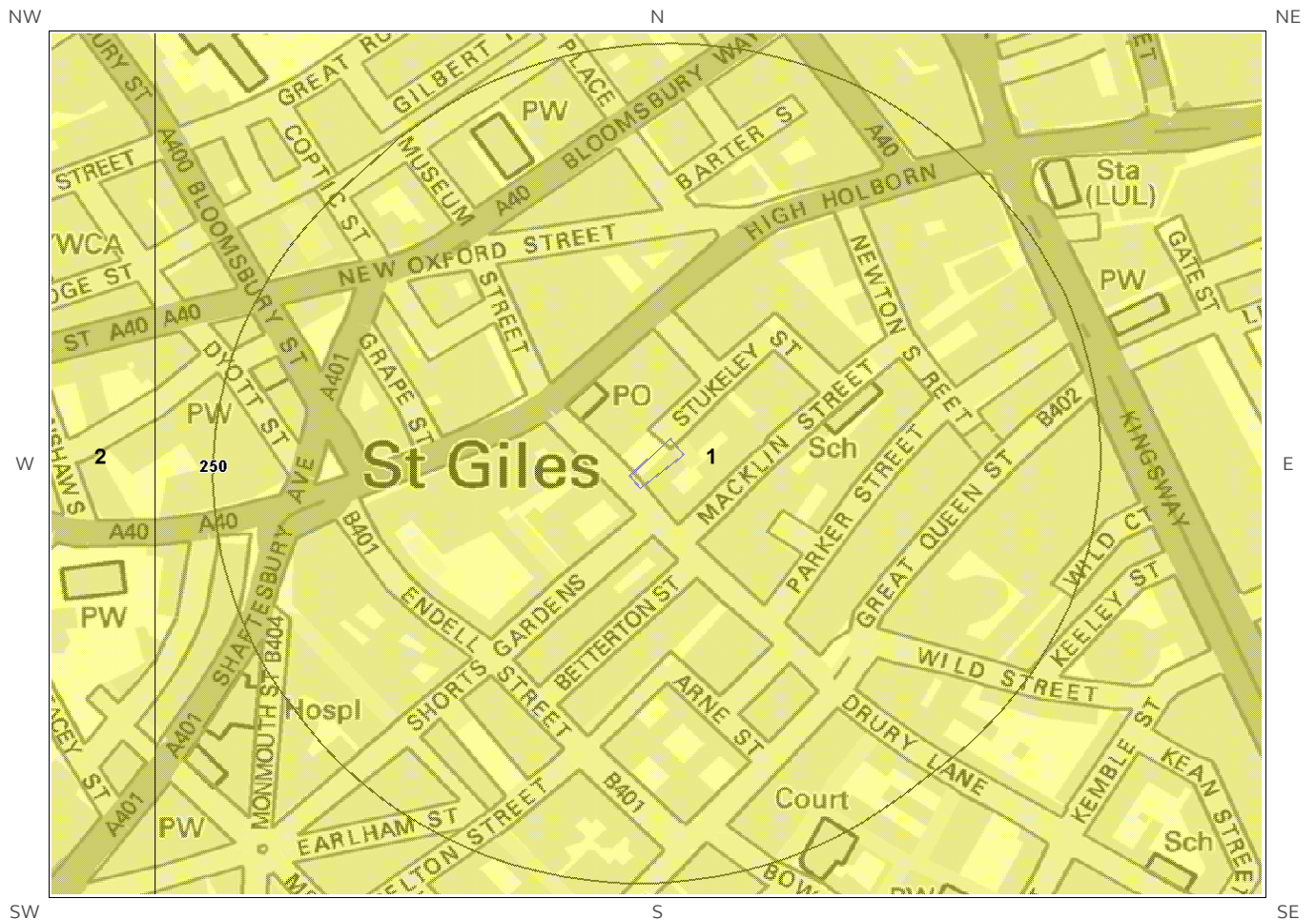
Shrink Swell Clay Legend



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4.2 Landslides Map



Landslides Legend



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4.3 Ground Dissolution Soluble Rocks Map



4.4 Compressible Deposits Map



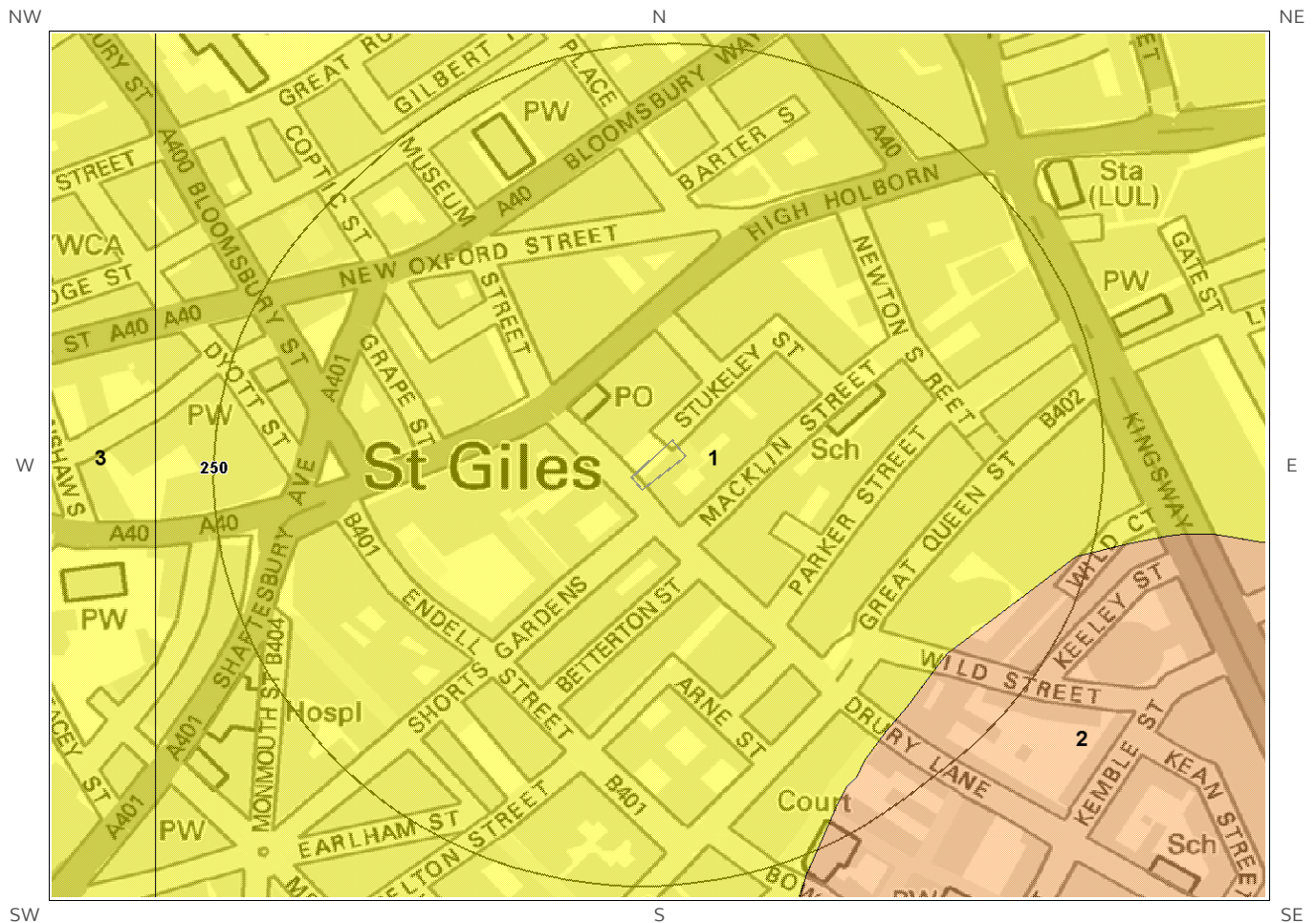
Compressible Deposits Legend



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4.5 Collapsible Deposits Map



Collapsible Deposits Legend



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4.6 Running Sand Map



Running Sand Legend



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4 Natural Ground Subsidence

The National Ground Subsidence rating is obtained through the 6 natural ground stability hazard datasets, which are supplied by the British Geological Survey (BGS).

The following GeoSure data represented on the mapping is derived from the BGS Digital Geological map of Great Britain at 1:50,000 scale.

What is the maximum hazard rating of natural subsidence within the study site* boundary? **Moderate**

4.1 Shrink-Swell Clays

The following Shrink Swell information provided by the British Geological Survey:

ID	Distance (m)	Direction	Hazard Rating	Details
1	0.0	On Site	Moderate	Ground conditions predominantly high plasticity. Do not plant or remove trees or shrubs near to buildings without expert advice about their effect and management. For new build, consideration should be given to advice published by the National House Building Council (NHBC) and the Building Research Establishment (BRE). There is a probable increase in construction cost to reduce potential shrink-swell problems. For existing property, there is a probable increase in insurance risk during droughts or where vegetation with high moisture demands is present.
2	28.0	SE	Negligible	Ground conditions predominantly non-plastic. No special actions required to avoid problems due to shrink-swell clays. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with shrink-swell clays.

4.2 Landslides

The following Landslides information provided by the British Geological Survey:

ID	Distance (m)	Direction	Hazard Rating	Details
1	0.0	On Site	Very Low	Slope instability problems are unlikely to be present. No special actions required to avoid problems due to landslides. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with landslides.

* This includes an automatically generated 50m buffer zone around the site

4.3 Ground Dissolution of Soluble Rocks

The following Ground Dissolution information provided by the British Geological Survey:

ID	Distance (m)	Direction	Hazard Rating	Details
1	0.0	On Site	Negligible	Soluble rocks are present, but unlikely to cause problems except under exceptional conditions. No special actions required to avoid problems due to soluble rocks. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with soluble rocks.

4.4 Compressible Deposits

The following Compressible Deposits information provided by the British Geological Survey:

ID	Distance (m)	Direction	Hazard Rating	Details
1	0.0	On Site	Negligible	No indicators for compressible ground identified. No special actions required to avoid problems due to compressible ground. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with compressible ground.

4.5 Collapsible Deposits

The following Collapsible Rocks information provided by the British Geological Survey:

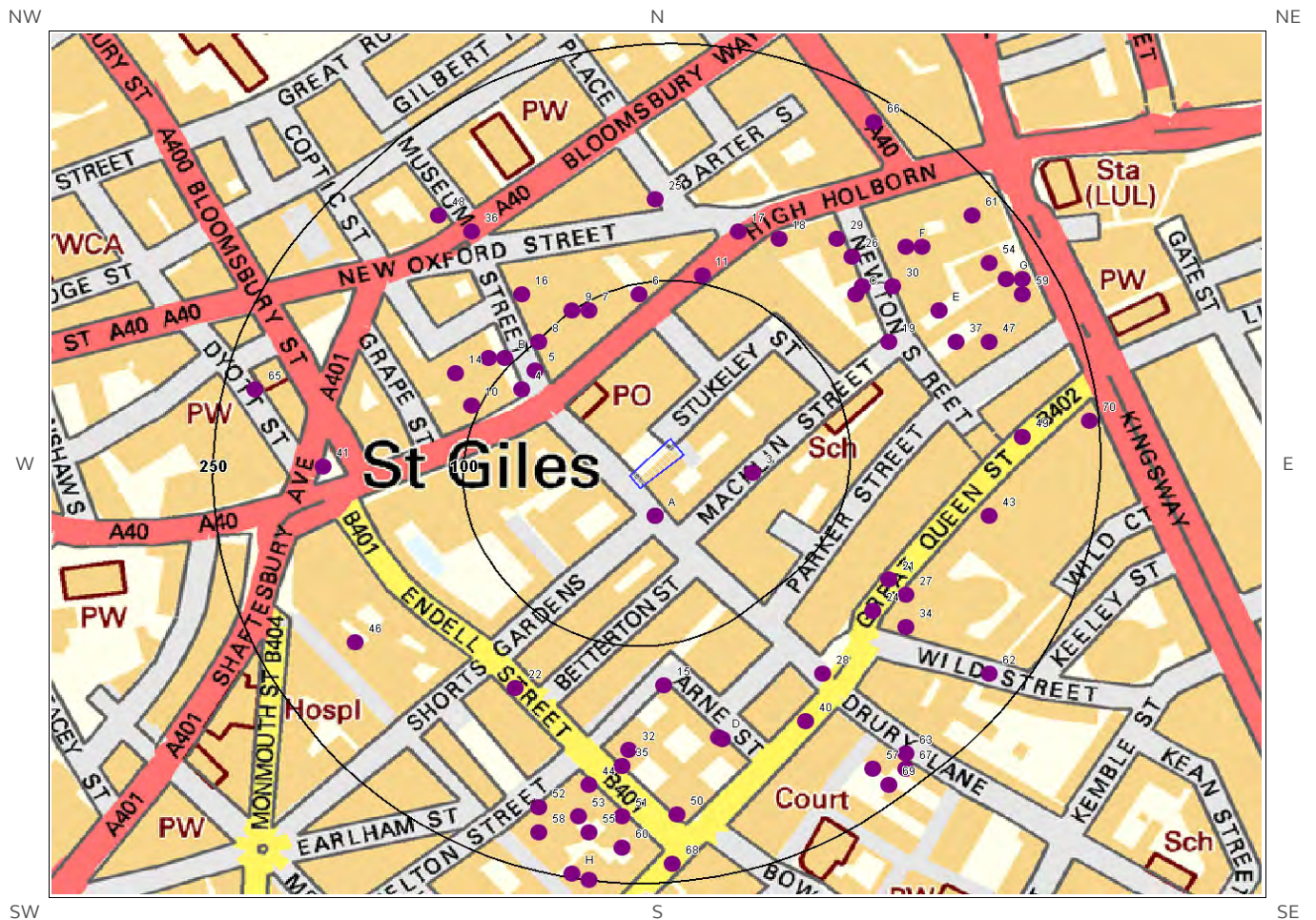
ID	Distance (m)	Direction	Hazard Rating	Details
1	0.0	On Site	Very Low	Deposits with potential to collapse when loaded and saturated are unlikely to be present. No special ground investigation required or increased construction costs or increased financial risk due to potential problems with collapsible deposits.

4.6 Running Sands

The following Running Sands information provided by the British Geological Survey:

ID	Distance (m)	Direction	Hazard Rating	Details
1	0.0	On Site	Very Low	Very low potential for running sand problems if water table rises or if sandy strata are exposed to water. No special actions required to avoid problems due to running sand. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with running sand.



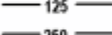
5 Borehole Records Map



Borehole Records Legend



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-  Site Outline
-  Borehole Locations
-  Search Buffers (m)

5 Borehole Records

The systematic analysis of data extracted from the BGS Borehole Records database provides the following information.

Records of boreholes within 250m of the study site boundary:

72

ID	Distance (m)	Direction	NGR	BGS Reference	Drilled Length	Borehole Name
1A	20.0	SE	530300 181300	TQ38SW1278	-1.0	DRURY LANE/MACKLIN ST SITE 1
2A	20.0	SE	530300 181300	TQ38SW1279	-1.0	DRURY LANE/MACKLIN ST SITE 3A
3	43.0	E	530358 181327	TQ38SW3596	-1.0	CROSSRAIL PACKAGE C RT30
4	85.0	NW	530220 181380	TQ38SW799/A	18.29	HIGH HOLBORN - MUSEUM ST. 1
5	87.0	NW	530228 181392	TQ38SW3603	-1.0	CROSSRAIL PACKAGE C RT29A
6	93.0	N	530290 181440	TQ38SW660/E	21.03	HIGH HOLBORN - MUSEUM ST, 5
7	95.0	NW	530260 181430	TQ38SW660/D	30.48	HIGH HOLBORN - MUSEUM ST, 4
8	99.0	NW	530230 181410	TQ38SW660/A	15.54	HIGH HOLBORN - MUSEUM ST, 1
9	100.0	NW	530250 181430	TQ38SW660	3.04	M.O.W. WEST CENTRAL HOLBORN
10	105.0	NW	530190 181370	TQ38SW799/B	9.14	HIGH HOLBORN - MUSEUM ST. 2
11	105.0	N	530328 181452	TQ38SW3595	-1.0	CROSSRAIL PACKAGE C RT31A
12B	105.0	NW	530210 181400	TQ38SW799/D	9.14	HIGH HOLBORN - MUSEUM ST. 4
13B	113.0	NW	530200 181400	TQ38SW799/A-D	-1.0	HAMMERSON HIGH HOLBORN BH1-4
14	123.0	NW	530180 181390	TQ38SW799/C	9.14	HIGH HOLBORN - MUSEUM ST. 3
15	126.0	S	530305 181193	TQ38SW1671	10.0	LONG ACRE, LONDON 5
16	127.0	NW	530220 181440	TQ38SW660/B	7.77	HIGH HOLBORN - MUSEUM ST, 2
17	137.0	N	530350 181480	TQ38SW18	6.8	BROAD ST & NEW OXFORD ST.W
18	142.0	NE	530374 181475	TQ38SW1676	13.0	HIGH HOLBORN- NEWTON STREET BH1
19	142.0	NE	530440 181410	TQ38SW4553	-1.0	AVIATION HOUSE HIGH HOLBORN LONDON 3
20C	144.0	NE	530420 181440	TQ38SW4551	-1.0	AVIATION HOUSE HIGH HOLBORN LONDON 1
21	146.0	SE	530440 181260	TQ38SW1911	13.5	MIDDLE LEVEL SEWER NO.1 2ND SERIES BH19
22	147.0	SW	530216 181191	TQ38SW3598	-1.0	CROSSRAIL PACKAGE C RT28A

ID	Distance (m)	Direction	NGR	BGS Reference	Drilled Length	Borehole Name
23C	150.0	NE	530424 181445	TQ38SW1679	13.0	HIGH HOLBORN- NEWTON STREET BH4
24	150.0	SE	530430 181240	TQ38SW2928	178.3	MASONIC MEMORIAL B
25	151.0	N	530300 181500	TQ38SW2898	182.88	HART STREET BLOOMSBURY
26	158.0	NE	530418 181464	TQ38SW1678	33.0	HIGH HOLBORN- NEWTON STREET BH3
27	160.0	SE	530450 181250	TQ38SW2929	168.55	MASONIC MEMORIAL C
28	160.0	SE	530400 181200	TQ38SW593	5.0	DRURY LANE, FLETCHER BLDGs.
29	161.0	NE	530409 181475	TQ38SW1677	13.0	HIGH HOLBORN- NEWTON STREET BH2
30	164.0	NE	530442 181445	TQ38SW3594	-1.0	CROSSRAIL PACKAGE C RT32
31D	165.0	S	530338 181160	TQ38SW1675	22.65	MERCER STREET PHASE 7 BH4
32	166.0	S	530284 181152	TQ38SW1669	39.5	LONG ACRE LONDON BH3 & BH3A
33D	166.0	S	530340 181159	TQ38SW1668	35.0	LONG ACRE LONDON BH2
34	172.0	SE	530450 181230	TQ38SW2927	176.78	MASONIC MEMORIAL A
35	176.0	S	530280 181142	TQ38SW1670	0.0	LONG ACRE LONDON BH4
36	177.0	NW	530190 181480	TQ38SW159	17.57	BLOOMSBURY WAY/NEW OXFORD STREET
37	178.0	NE	530480 181410	TQ38SW4559	-1.0	AVIATION HOUSE HIGH HOLBORN LONDON TP 8
38E	178.0	NE	530470 181430	TQ38SW4558	-1.0	AVIATION HOUSE HIGH HOLBORN LONDON TP 7
39E	178.0	NE	530470 181430	TQ38SW4554	-1.0	AVIATION HOUSE HIGH HOLBORN LONDON 4
40	178.0	SE	530390 181170	TQ38SW1900	10.36	MIDDLE LEVEL SEWER NO.1 2ND SERIES BH6
41	184.0	W	530101 181331	TQ38SW3592	-1.0	CROSSRAIL PACKAGE C RT28
42F	186.0	NE	530450 181470	TQ38SW4556	-1.0	AVIATION HOUSE HIGH HOLBORN LONDON TP 3
43	187.0	E	530500 181300	TQ38SW1195	7.46	CONNAUGHT ROOMS BH1
44	191.0	S	530260 181130	TQ38SW949	15.5	ODHAMS PRESS SITE BH1
45F	193.0	NE	530460 181470	TQ38SW4552	-1.0	AVIATION HOUSE HIGH HOLBORN LONDON 2
46	196.0	SW	530120 181220	TQ38SW1280	4.0	70-74 NEAL ST COVENT GARDEN TPS,A-B
47	196.0	E	530500 181410	TQ38SW4560	-1.0	AVIATION HOUSE HIGH HOLBORN LONDON TP 9
48	198.0	NW	530170 181490	TQ38SW956	-1.0	PROPOSED BRITISH LIBRARY BH2
49	203.0	E	530520 181350	TQ38SW1910	12.19	MIDDLE LEVEL SEWER NO.1 2ND SERIES BH18
50	208.0	S	530313 181111	TQ38SW1667	20.0	LONG ACRE LONDON BH1 & BH1A

ID	Distance (m)	Direction	NGR	BGS Reference	Drilled Length	Borehole Name
51	208.0	S	530280 181110	TQ38SW951	15.5	ODHAMS PRESS SITE BH3
52	211.0	S	530230 181116	TQ38SW1674	10.0	MERCER STREET PHASE 7 BH3
53	211.0	S	530254 181110	TQ38SW1673	50.5	MERCER STREET PHASE 7 BH2
54	219.0	NE	530500 181460	TQ38SW4562	-1.0	AVIATION HOUSE HIGH HOLBORN LONDON TP 12
55	220.0	S	530260 181100	TQ38SW954	20.5	ODHAMS PRESS SITE BH6
56G	223.0	NE	530510 181450	TQ38SW4561	-1.0	AVIATION HOUSE HIGH HOLBORN LONDON TP 11
57	226.0	SE	530430 181140	TQ38SW3716	30.0	DRURY LANE 2
58	226.0	S	530230 181100	TQ38SW950	15.5	ODHAMS PRESS SITE BH2
59	227.0	NE	530520 181440	TQ38SW456	121.92	J MITCHELL & CO KINGSWAY HOLBORN
60	228.0	S	530280 181090	TQ38SW953	15.5	ODHAMS PRESS SITE BH5
61	229.0	NE	530490 181490	TQ38SW4557	-1.0	AVIATION HOUSE HIGH HOLBORN LONDON TP 5
62	230.0	SE	530500 181200	TQ38SW605	4.0	WILD ST, ST GILES
63	231.0	SE	530450 181150	TQ38SW4577	-1.0	DRURY LANE LONDON TP B
64G	231.0	NE	530520 181450	TQ38SW4555	-1.0	AVIATION HOUSE HIGH HOLBORN LONDON 5
65	231.0	W	530060 181380	TQ38SW189	9.0	DYOTT STREET BLOOMSBURY
66	234.0	NE	530431 181549	TQ38SW3609	-1.0	CROSSRAIL PACKAGE C RT34
67	238.0	SE	530450 181140	TQ38SW4576	-1.0	DRURY LANE LONDON TP A
68	239.0	S	530310 181080	TQ38SW1901	9.45	MIDDLE LEVEL SEWER NO.1 2ND SERIES BH7
69	240.0	SE	530440 181130	TQ38SW3715	25.0	DRURY LANE 1
70	244.0	E	530560 181360	TQ38SW457	-1.0	TREHERNE & CO NORMAN HOLBORN
71H	247.0	S	530250 181074	TQ38SW1672	60.25	MERCER STREET PHASE 7 BH1
72H	250.0	S	530260 181070	TQ38SW952	15.5	ODHAMS PRESS SITE BH4

The borehole records are available using the hyperlinks below: Please note that if the donor of the borehole record has requested the information be held as commercial-in-confidence, the additional data will be held separately by the BGS and a formal request must be made for its release.

#1A: scans.bgs.ac.uk/sobi_scans/boreholes/1065153
 #2A: scans.bgs.ac.uk/sobi_scans/boreholes/1065154
 #4: scans.bgs.ac.uk/sobi_scans/boreholes/1064448
 #6: scans.bgs.ac.uk/sobi_scans/boreholes/1064156
 #7: scans.bgs.ac.uk/sobi_scans/boreholes/1064155

#8: scans.bgs.ac.uk/sobi_scans/boreholes/1064153
#9: scans.bgs.ac.uk/sobi_scans/boreholes/1064157
#10: scans.bgs.ac.uk/sobi_scans/boreholes/1064449
#12B: scans.bgs.ac.uk/sobi_scans/boreholes/1064451
#13B: scans.bgs.ac.uk/sobi_scans/boreholes/1064452
#14: scans.bgs.ac.uk/sobi_scans/boreholes/1064450
#15: scans.bgs.ac.uk/sobi_scans/boreholes/1065598
#16: scans.bgs.ac.uk/sobi_scans/boreholes/1064154
#17: scans.bgs.ac.uk/sobi_scans/boreholes/1063258
#18: scans.bgs.ac.uk/sobi_scans/boreholes/1065603
#21: scans.bgs.ac.uk/sobi_scans/boreholes/1065902
#23C: scans.bgs.ac.uk/sobi_scans/boreholes/1065606
#24: scans.bgs.ac.uk/sobi_scans/boreholes/1067102
#25: scans.bgs.ac.uk/sobi_scans/boreholes/1067072
#26: scans.bgs.ac.uk/sobi_scans/boreholes/1065605
#27: scans.bgs.ac.uk/sobi_scans/boreholes/1067103
#28: scans.bgs.ac.uk/sobi_scans/boreholes/1064028
#29: scans.bgs.ac.uk/sobi_scans/boreholes/1065604
#31D: scans.bgs.ac.uk/sobi_scans/boreholes/1065602
#32: scans.bgs.ac.uk/sobi_scans/boreholes/1065596
#33D: scans.bgs.ac.uk/sobi_scans/boreholes/1065595
#34: scans.bgs.ac.uk/sobi_scans/boreholes/1067101
#35: scans.bgs.ac.uk/sobi_scans/boreholes/1065597
#36: scans.bgs.ac.uk/sobi_scans/boreholes/1063466
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#71H: scans.bgs.ac.uk/sobi_scans/boreholes/1065599
#72H: scans.bgs.ac.uk/sobi_scans/boreholes/1064644

6 Estimated Background Soil Chemistry

Records of background estimated soil chemistry within 250m of the study site boundary:

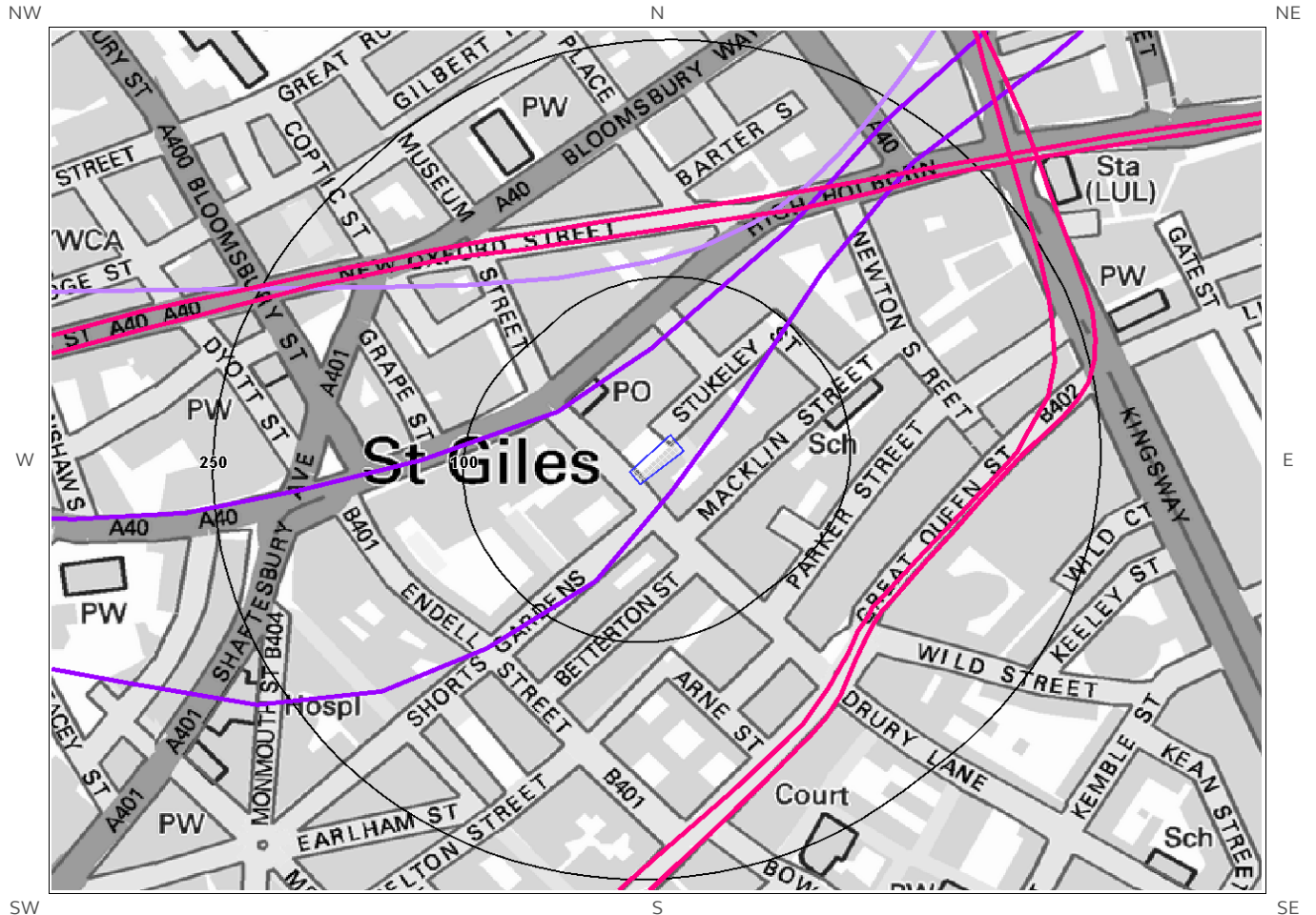
8

For further information on how this data is calculated and limitations upon its use, please see the Groundsure Geosight User Guide, available on request.

Distance (m)	Direction	Sample Type	Arsenic (As)	Cadmium (Cd)	Chromium (Cr)	Nickel (Ni)	Lead (Pb)
0.0	On Site	London	No data	No data	No data	No data	No data
151.0	N	London	No data	No data	No data	No data	No data
183.0	E	London	No data	No data	No data	No data	No data
189.0	SE	London	No data	No data	No data	No data	No data
199.0	SE	London	No data	No data	No data	No data	No data
210.0	SE	London	No data	No data	No data	No data	No data
241.0	E	London	No data	No data	No data	No data	No data
243.0	NE	London	No data	No data	No data	No data	No data

*As this data is based upon underlying 1:50,000 scale geological information, a 50m buffer has been added to the search radius.

7 Railways and Tunnels Map

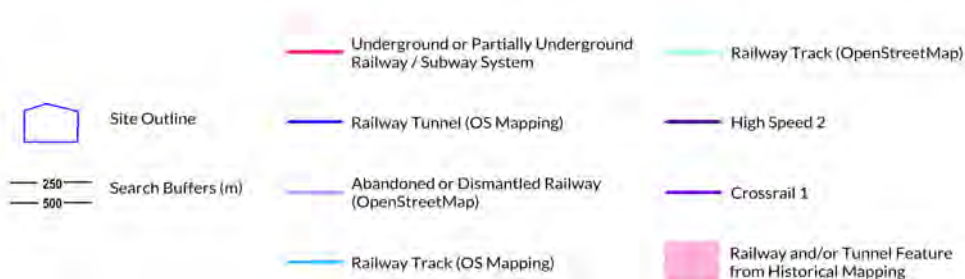


Railways and Tunnels Legend

Mapping
sourced from



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7 Railways and Tunnels

7.1 Tunnels

This data is derived from OpenStreetMap and provides information on the possible locations of underground railway systems in the UK - the London Underground, the Tyne & Wear Metro and the Glasgow Subway.

Have any underground railway lines been identified within the study site boundary? No

Have any underground railway lines been identified within 250m of the study site boundary? Yes

Distance (m)	Direction	Line
129	N	London Underground - Central Line
151	SE	London Underground - Piccadilly Line

The approximate depth value for the nearest London Underground line given in this dataset has been extrapolated from published depths of tube lines at station platforms, and assume a constant gradient between stations. Using this method, topographical variation has resulted in some parts of the line having associated depth values either shallower or deeper than the real-world situation. Depth values are for indication only and should not be relied upon for any calculation or technical purpose and are in no way a substitute for a professional survey.

Line
London Underground Line: Central Line Depth: 31mbgl Track Type: Tunnel

Any records that have been identified are represented on the Railways and Tunnels Map.

This data is derived from Ordnance Survey mapping and provides information on the possible locations of railway tunnels forming part of the UK overground railway network.

Have any other railway tunnels been identified within the site boundary? No

Have any other railway tunnels been identified within 250m of the site boundary? No

Database searched and no data found.

Any records that have been identified are represented on the Railways and Tunnels Map.

7.2 Historical Railway and Tunnel Features

This data is derived from Groundsure's unique Historical Land-use Database and contains features relating to tunnels, railway tracks or associated works that have been identified from historical Ordnance Survey mapping.

Have any historical railway or tunnel features been identified within the study site boundary? No

Have any historical railway or tunnel features been identified within 250m of the study site boundary? No

Database searched and no data found.

Any records that have been identified are represented on the Railways and Tunnels Map.

7.3 Historical Railways

This data is derived from OpenStreetMap and provides information on the possible alignments of abandoned or dismantled railway lines in proximity to the study site.

Have any historical railway lines been identified within the study site boundary? No

Have any historical railway lines been identified within 250m of the study site boundary? Yes

Distance (m)	Direction	Status
110	N	Disused

Note: multiple sections of the same track may be listed in the detail above

Any records that have been identified are represented on the Railways and Tunnels Map.

7.4 Active Railways

These datasets are derived from Ordnance Survey mapping and OpenStreetMap and provide information on the possible locations of active railway lines in proximity to the study site.

Have any active railway lines been identified within the study site boundary? No

Have any active railway lines been identified within 250m of the study site boundary? No

Database searched and no data found.

Note: multiple sections of the same track may be listed in the detail above

Any records that have been identified are represented on the Railways and Tunnels Map.

7.5 Railway Projects

These datasets provide information on the location of large scale railway projects High Speed 2 and Crossrail 1 .

Is the study site within 5km of the route of the High Speed 2 rail project? Yes

Is the study site within 500m of the route of the Crossrail 1 rail project? Yes

Further information on proximity to these routes, the project construction status and associated works can be obtained through the purchase of a Groundsure HS2 and Crossrail 1 Report.

The route data has been digitised from publicly available maps by Groundsure. The route as provided relates to the Crossrail 1 project only, and does not include any details of the Crossrail 2 project, as final details of the route for Crossrail 2 are still under consultation.

Contact Details

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Web: www.bgs.ac.uk

BGS Geological Hazards Reports and general geological enquiries



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Contact Details



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Standard Terms and Conditions

1 Definitions

In these terms and conditions unless the context otherwise requires:

“Beneficiary” means the person or entity for whose benefit the Client has obtained the Services.

“Client” means the party or parties entering into a Contract with Groundsure.

“Commercial” means any building or property which is not Residential.

“Confidential Information” means the contents of this Contract and all information received from the Client as a result of, or in connection with, this Contract other than

(i) information which the Client can prove was rightfully in its possession prior to disclosure by Groundsure and

(ii) any information which is in the public domain (other than by virtue of a breach of this Contract).

“Support Services” means Support Services provided by Groundsure including, without limitation, interpreting third party and in-house environmental data, providing environmental support advice, undertaking environmental audits and assessments, Site investigation, Site monitoring and related items.

“Contract” means the contract between Groundsure and the Client for the provision of the Services, and which shall incorporate these terms and conditions, the Order, and the relevant User Guide.

“Third Party Data Provider” means any third party providing Third Party Content to Groundsure.

“Data Reports” means reports comprising factual data with no accompanying interpretation.

“Fees” has the meaning set out in clause 5.1.

“Groundsure” means Groundsure Limited, a company registered in England and Wales under number 03421028.

“Groundsure Materials” means all materials prepared by Groundsure and provided as part of the Services, including but not limited to Third Party Content, Data Reports, Mapping, and Risk Screening Reports.

“Intellectual Property” means any patent, copyright, design rights, trade or service mark, moral rights, data protection rights, know-how or trade mark in each case whether registered or not and including applications for the same or any other rights of a similar nature anywhere in the world.

“Mapping” means a map, map data or a combination of historical maps of various ages, time periods and scales.

“Order” means an electronic, written or other order form submitted by the Client requesting Services from Groundsure in respect of a specified Site.

“Ordnance Survey” means the Secretary of State for Business, Innovation and Skills, acting through Ordnance Survey, Adanac Drive, Southampton, SO16 0AS, UK.

“Order Website” means the online platform through which Orders may be placed by the Client and accepted by Groundsure.

“Report” means a Risk Screening Report or Data Report for Commercial or Residential property.

“Residential” means any building or property used as or intended to be used as a single dwelling.

“Risk Screening Report” means a risk screening report comprising factual data with an accompanying interpretation by Groundsure.

“Services” means any Report, Mapping and/or Support Services which Groundsure has agreed to provide by accepting an Order pursuant to clause 2.6.

“Site” means the area of land in respect of which the Client has requested Groundsure to provide the Services.

“Third Party Content” means data, database information or other information which is provided to Groundsure by a Third Party Data Provider.

“User Guide” means the user guide, as amended from time to time, available upon request from Groundsure and on the website (www.Groundsure.com) and forming part of this Contract.

2 Scope of Services, terms and conditions, requests for insurance and quotations

2.1 Groundsure agrees to provide the Services in accordance with the Contract.

2.2 Groundsure shall exercise reasonable skill and care in the provision of the Services.

2.3 Subject to clause 7.3 the Client acknowledges that it has not relied on any statement or representation made by or on behalf of Groundsure which is not set out and expressly agreed in writing in the Contract and all such statements and representations are hereby excluded to the fullest extent permitted by law.

2.4 The Client acknowledges that terms and conditions appearing on a Client's order form, printed stationery or other communication, or any terms or conditions implied by custom, practice or course of dealing shall be of no effect, and that this Contract shall prevail over all others in relation to the Order.

2.5 If the Client or Beneficiary requests insurance in conjunction with or as a result of the Services, Groundsure shall use reasonable endeavours to recommend such insurance, but makes no warranty that such insurance shall be available from insurers or that it will be offered on reasonable terms. Any insurance purchased by the Client or Beneficiary shall be subject solely to the terms of the policy issued by insurers and Groundsure will have no liability therefor. In addition you acknowledge and agree that Groundsure does not act as an agent or broker for any insurance providers. The Client should take (and ensure that the Beneficiary takes) independent advice to ensure that the insurance policy requested or offered is suitable for its requirements.

2.6 Groundsure's quotations or proposals are valid for a period of 30 days only unless an alternative period of time is explicitly stipulated by Groundsure.

Groundsure reserves the right to withdraw any quotation or proposal at any time before an Order is accepted by Groundsure. Groundsure's acceptance of an Order shall be binding only when made in writing and signed by Groundsure's authorised representative or when accepted through the Order Website.

3 The Client's obligations

3.1 The Client shall comply with the terms of this Contract and

(i) procure that the Beneficiary or any third party relying on the Services complies with and acts as if it is bound by the Contract and

(ii) be liable to Groundsure for the acts and omissions of the Beneficiary or any third party relying on the Services as if such acts and omissions were those of the Client.

3.2 The Client shall be solely responsible for ensuring that the Services are appropriate and suitable for its and/or the Beneficiary's needs.

3.3 The Client shall supply to Groundsure as soon as practicable and without charge all requisite information (and the Client warrants that such information is accurate, complete and appropriate), including without limitation any environmental information relating to the Site and shall give such assistance as Groundsure shall reasonably require in the provision of the Services including, without limitation, access to the Site, facilities and equipment.

3.4 Where the Client's approval or decision is required to enable Groundsure to carry out work in order to provide the Services, such approval or decision shall be given or procured in reasonable time and so as not to delay or disrupt the performance of the Services.

3.5 Save as expressly permitted by this Contract the Client shall not, and shall procure that the Beneficiary shall not, re-sell, alter, add to, or amend the Groundsure Materials, or use the Groundsure Materials in a manner for which they were not intended. The Client may make the Groundsure Materials available to a third party who is considering acquiring some or all of, or providing funding in relation to, the Site, but such third party cannot rely on the same unless expressly permitted under clause 4.

3.6 The Client is responsible for maintaining the confidentiality of its user name and password if using the Order Website and the Client acknowledges that Groundsure accepts no liability of any kind for any loss or damage suffered by the Client as a consequence of using the Order Website.

4 Reliance

4.1 The Client acknowledges that the Services provided by Groundsure consist of the presentation and analysis of Third Party Content and other content and that information obtained from a Third Party Data Provider cannot be guaranteed or warranted by Groundsure to be reliable.

4.2 In respect of Data Reports, Mapping and Risk Screening Reports, the following classes of person and no other are entitled to rely on their contents;

(i) the Beneficiary,
(ii) the Beneficiary's professional advisers, (iii) any person providing funding to the Beneficiary in relation to the Site (whether directly or as part of a lending syndicate),
(iv) the first purchaser or first tenant of the Site, and
(v) the professional advisers and lenders of the first purchaser or tenant of the Site.

4.3 In respect of Support Services, only the Client, Beneficiary and parties expressly named in a Report and no other parties are entitled to rely on its contents.

4.4 Save as set out in clauses 4.2 and 4.3 and unless otherwise expressly agreed in writing, no other person or entity of any kind is entitled to rely on any Services or Report issued or provided by Groundsure. Any party considering such Reports and Services does so at their own risk.

5 Fees and Disbursements

5.1 Groundsure shall charge and the Client shall pay fees at the rate and frequency specified in the written proposal, Order Website or Order acknowledgement form, plus (in the case of Support Services) all proper disbursements incurred by Groundsure. The Client shall in addition pay all value added tax or other tax payable on such fees and disbursements in relation to the provision of the Services (together “Fees”).

5.2 The Client shall pay all outstanding Fees to Groundsure in full without deduction, counterclaim or set off within 30 days of the date of Groundsure's invoice or such other period as may be agreed in writing between Groundsure and the Client (“Payment Date”). Interest on late payments will accrue on a daily basis from the Payment Date until the date of payment (whether before or after judgment) at the rate of 8% per annum.

5.3 The Client shall be deemed to have agreed the amount of any invoice unless an objection is made in writing within 28 days of the date of the invoice. As soon as reasonably practicable after being notified of an objection, without prejudice to clause 5.2 a member of Groundsure's management team will contact the Client and the parties shall then use all reasonable endeavours to resolve the dispute within 15 days.

6 Intellectual Property and Confidentiality

6.1 Subject to

(i) full payment of all relevant Fees and
(ii) compliance with this Contract, the Client is granted (and is permitted to sub-licence to the Beneficiary) a royalty-free, worldwide, non-assignable and (save to the extent set out in this Contract) non-transferable licence to make use of the Groundsure Materials.

6.2 All Intellectual Property in the Groundsure Materials are and shall remain owned by Groundsure or Groundsure's licensors (including without limitation the Third Party Data Providers) the Client acknowledges, and shall procure

acknowledgement by the Beneficiary of, such ownership. Nothing in this Contract purports to transfer or assign any rights to the Client or the Beneficiary in respect of such Intellectual Property.

6.3 Third Party Data Providers may enforce any breach of clauses 6.1 and 6.2 against the Client or Beneficiary.

6.4 The Client shall, and shall procure that any recipients of the Groundsure Materials shall:

(i) not remove, suppress or modify any trade mark, copyright or other proprietary marking belonging to Groundsure or any third party from the Services;

(ii) use the information obtained as part of the Services in respect of the subject Site only, and shall not store or reuse any information obtained as part of the Services provided in respect of adjacent or nearby sites;

(iii) not create any product or report which is derived directly or indirectly from the Services (save that those acting in a professional capacity to the Beneficiary may provide advice based upon the Services);

(iv) not combine the Services with or incorporate such Services into any other information data or service;

(v) not reformat or otherwise change (whether by modification, addition or enhancement), the Services (save that those acting for the Beneficiary in a professional capacity shall not be in breach of this clause 6.4(v) where such reformatting is in the normal course of providing advice based upon the Services);

(vi) where a Report and/or Mapping contains material belonging to Ordnance Survey, acknowledge and agree that such content is protected by Crown Copyright and shall not use such content for any purpose outside of receiving the Services; and

(vii) not copy in whole or in part by any means any map prints or run-on copies containing content belonging to Ordnance Survey (other than that contained within Ordnance Survey's OS Street Map) without first being in possession of a valid Paper Map Copying Licence from Ordnance Survey,

6.5 Notwithstanding clause 6.4, the Client may make reasonable use of the Groundsure Materials in order to advise the Beneficiary in a professional capacity. However, Groundsure shall have no liability in respect of any advice, opinion or report given or provided to Beneficiaries by the Client.

6.6 The Client shall procure that any person to whom the Services are made available shall notify Groundsure of any request or requirement to disclose, publish or disseminate any information contained in the Services in accordance with the Freedom of Information Act 2000, the Environmental Information Regulations 2004 or any associated legislation or regulations in force from time to time.

7.Liability: Particular Attention Should Be Paid To This Clause

7.1 This Clause 7 sets out the entire liability of Groundsure, including any liability for the acts or omissions of its employees, agents, consultants, subcontractors and Third Party Content, in respect of:

(i) any breach of contract, including any deliberate breach of the Contract by Groundsure or its employees, agents or subcontractors;

(ii) any use made of the Reports, Services, Materials or any part of them; and

(iii) any representation, statement or tortious act or omission (including negligence) arising under or in connection with the Contract.

7.2 All warranties, conditions and other terms implied by statute or common law are, to the fullest extent permitted by law, excluded from the Contract.

7.3 Nothing in the Contract limits or excludes the liability of the Supplier for death or personal injury resulting from negligence, or for any damage or liability incurred by the Client or Beneficiary as a result of fraud or fraudulent misrepresentation.

7.4 Groundsure shall not be liable for

(i) loss of profits;

(ii) loss of business;

(iii) depletion of goodwill and/or similar losses;

(iv) loss of anticipated savings;

(v) loss of goods;

(vi) loss of contract;

(vii) loss of use;

(viii) loss or corruption of data or information;

(ix) business interruption;

(x) any kind of special, indirect, consequential or pure economic loss, costs, damages, charges or expenses;

(xi) loss or damage that arise as a result of the use of all or part of the Groundsure Materials in breach of the Contract;

(xii) loss or damage arising as a result of any error, omission or inaccuracy in any part of the Groundsure Materials where such error, omission or inaccuracy is caused by any Third Party Content or any reasonable interpretation of Third Party Content;

(xiii) loss or damage to a computer, software, modem, telephone or other property; and

(xiv) loss or damage caused by a delay or loss of use of Groundsure's internet ordering service.

7.5 Groundsure's total liability in relation to or under the Contract shall be limited to £10 million for any claim or claims.

7.6 Groundsure shall procure that the Beneficiary shall be bound by limitations and exclusions of liability in favour of Groundsure which accord with those detailed in clauses 7.4 and 7.5 (subject to clause 7.3) in respect of all claims which the Beneficiary may bring against Groundsure in relation to the Services or other matters arising pursuant to the Contract.

8 Groundsure's right to suspend or terminate

8.1 If Groundsure reasonably believes that the Client or Beneficiary has not provided the information or assistance required to enable the proper provision of the Services, Groundsure shall be entitled to suspend all further performance of the Services until such time as any such deficiency has been made good.

8.2 Groundsure shall be entitled to terminate the Contract immediately on written notice in the event that:

(i) the Client fails to pay any sum due to Groundsure within 30 days of the Payment Date; or

(ii) the Client (being an individual) has a bankruptcy order made against him or (being a company) shall enter into liquidation whether compulsory or voluntary or have an administration order made against it or if a receiver shall be appointed over the whole or any part of its property assets or undertaking or if the Client is struck off the Register of Companies or dissolved; or

(iii) the Client being a company is unable to pay its debts within the meaning of Section 123 of the Insolvency Act 1986 or being an individual appears unable to pay his debts within the meaning of Section 268 of the Insolvency Act 1986 or if the Client shall enter into a composition or arrangement with the Client's creditors or shall suffer distress or execution to be levied on his goods; or

(iv) the Client or the Beneficiary breaches any term of the Contract (including, but not limited to, the obligations in clause 4) which is incapable of remedy or if remediable, is not remedied within five days of notice of the breach.

9. Client's Right to Terminate and Suspend

9.1 Subject to clause 10.1, the Client may at any time upon written notice terminate or suspend the provision of all or any of the Services.

9.2 In any event, where the Client is a consumer (and not a business) he/she hereby expressly acknowledges and agrees that:

(i) the supply of Services under this Contract (and therefore the performance of this Contract) commences immediately upon Groundsure's acceptance of the Order; and

(ii) the Reports and/or Mapping provided under this Contract are

(a) supplied to the Client's specification(s) and in any event
(b) by their nature cannot be returned.

10 Consequences of Withdrawal, Termination or Suspension

10.1 Upon termination of the Contract:

(i) Groundsure shall take steps to bring to an end the Services in an orderly manner, vacate any Site with all reasonable speed and shall deliver to the Client and/or Beneficiary any property of the Client and/or Beneficiary in Groundsure's possession or control; and

(ii) the Client shall pay to Groundsure all and any Fees payable in respect of the performance of the Services up to the date of termination or suspension. In respect of any Support Services provided, the Client shall also pay Groundsure any additional costs incurred in relation to the termination or suspension of the Contract.

11 Anti-Bribery

11.1 The Client warrants that it shall:

(i) comply with all applicable laws, statutes and regulations relating to anti-bribery and anti-corruption including but not limited to the Bribery Act 2010;

(ii) comply with such of Groundsure's anti-bribery and anti-corruption policies as are notified to the Client from time to time; and

(iii) promptly report to Groundsure any request or demand for any undue financial or other advantage of any kind received by or on behalf of the Client in connection with the performance of this Contract.

11.2 Breach of this Clause 11 shall be deemed a material breach of this Contract.

12 General

12.1 The Mapping contained in the Services is protected by Crown copyright and must not be used for any purpose other than as part of the Services or as specifically provided in the Contract.

12.2 The Client shall be permitted to make one copy only of each Report or Mapping Order. Thereafter the Client shall be entitled to make unlimited copies of the Report or Mapping Order only in accordance with an Ordnance Survey paper map copy license available through Groundsure.

12.3 Groundsure reserves the right to amend or vary this Contract. No amendment or variation to this Contract shall be valid unless signed by an authorised representative of Groundsure.

12.4 No failure on the part of Groundsure to exercise, and no delay in exercising, any right, power or provision under this Contract shall operate as a waiver thereof.

12.5 Save as expressly provided in this Contract, no person other than the persons set out therein shall have any right under the Contract (Rights of Third Parties) Act 1999 to enforce any terms of the Contract.

12.6 The Secretary of State for Business, Innovation and Skills ("BIS") or BIS' successor body, as the case may be, acting through Ordnance Survey may enforce a breach of clause 6.4(vi) and clause 6.4(vii) of these terms and conditions against the Client in accordance with the provisions of the Contracts (Rights of Third Parties) Act 1999.

12.7 Groundsure shall not be liable to the Client if the provision of the Services is delayed or prevented by one or more of the following circumstances:

- (i) the Client or Beneficiary's failure to provide facilities, access or information;
- (ii) fire, storm, flood, tempest or epidemic;
- (iii) Acts of God or the public enemy;
- (iv) riot, civil commotion or war;
- (v) strikes, labour disputes or industrial action;
- (vi) acts or regulations of any governmental or other agency;
- (vii) suspension or delay of services at public registries by Third Party Data Providers;
- (viii) changes in law; or
- (ix) any other reason beyond Groundsure's reasonable control.

In the event that Groundsure is prevented from performing the Services (or any part thereof) in accordance with this clause 12.6 for a period of not less than 30 days then Groundsure shall be entitled to terminate this Contract immediately on written notice to the Client.

12.8 Any notice provided shall be in writing and shall be deemed to be properly given if delivered by hand or sent by first class post, facsimile or by email to the address, facsimile number or email address of the relevant party as may have been notified by each party to the other for such purpose or in the absence of such notification the last known address.

12.9 Such notice shall be deemed to have been received on the day of delivery if delivered by hand, facsimile or email (save to the extent such day is not a working day where it shall be deemed to have been delivered on the next working day) and on the second working day after the day of posting if sent by first class post.

12.10 The Contract constitutes the entire agreement between the parties and shall supersede all previous arrangements between the parties relating to the subject matter hereof.

12.11 Each of the provisions of the Contract is severable and distinct from the others and if one or more provisions is or should become invalid, illegal or unenforceable, the validity and enforceability of the remaining provisions shall not in any way be tainted or impaired.

12.12 This Contract shall be governed by and construed in accordance with English law and any proceedings arising out of or connected with this Contract shall be subject to the exclusive jurisdiction of the English courts.

12.13 Groundsure is an executive member of the Council of Property Search Organisation (CoPSO) and has signed up to the Search Code administered by the Property Codes Compliance Board (PCCB). All Risk Screening Reports shall be supplied in accordance with the provisions of the Search Code.

12.14 If the Client or Beneficiary has a complaint about the Services, written notice should be given to the Compliance Officer at Groundsure who will respond in a timely manner.

12.15 The Client agrees that it shall, and shall procure that each Beneficiary shall, treat in confidence all Confidential Information and shall not, and shall procure that each Beneficiary shall not (i) disclose any Confidential Information to any third party other than in accordance with the terms of this Contract; and (ii) use Confidential Information for a purpose other than the exercise of its rights and obligations under this Contract. Subject to clause 6.6, nothing shall prevent the Client or any Beneficiary from disclosing Confidential Information to the extent required by law