

8 Estimated Background Soil Chemistry

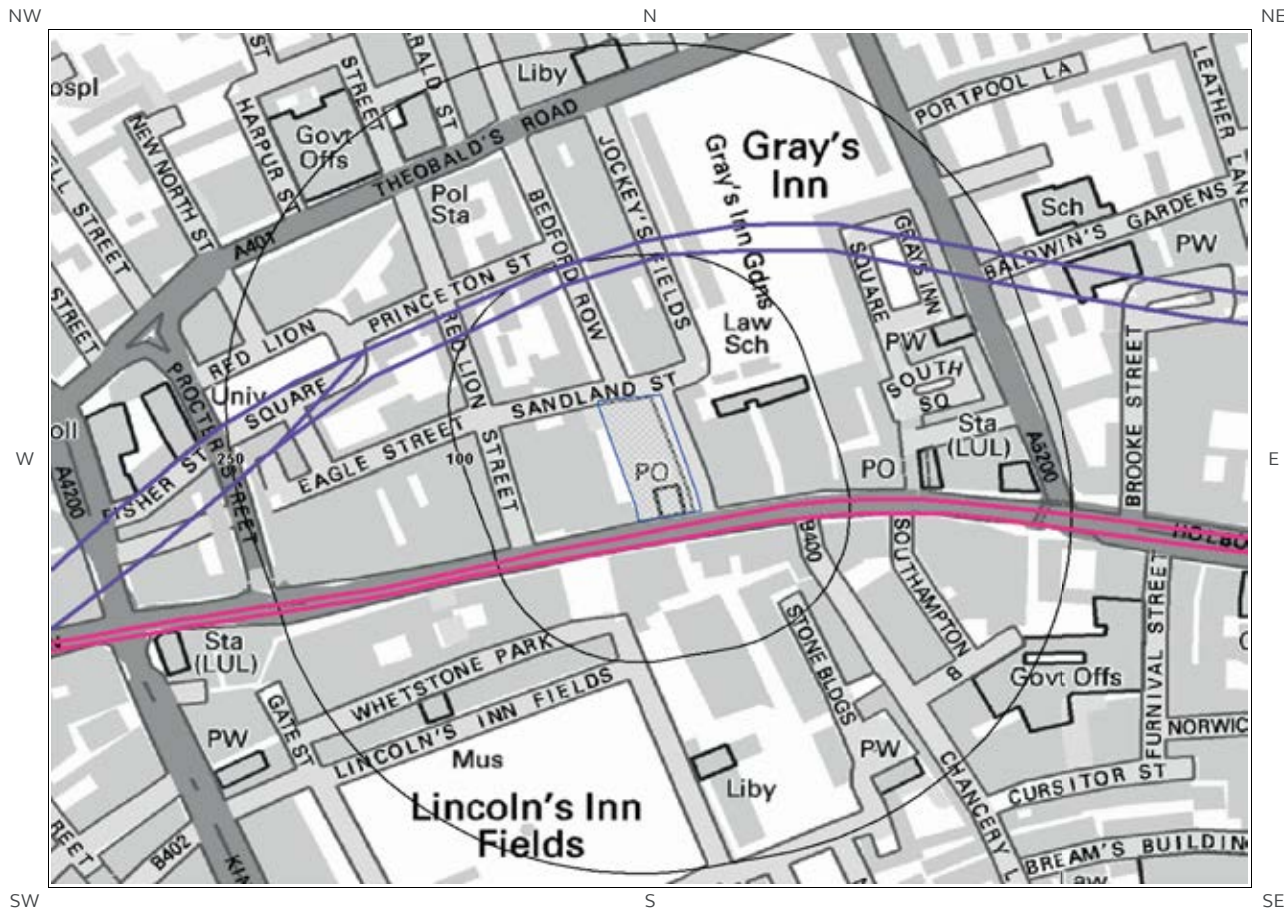
Records of background estimated soil chemistry within 250m of the study site boundary: 1

For further information on how this data is calculated and limitations upon its use, please see the Groundsure Geo Insight 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

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

9 Railways and Tunnels Map



Railways and Tunnels Legend

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- Site Outline
- Search Buffers (m)
- Railway Tunnel (OS Mapping)
- Abandoned or Dismantled Railway (OpenStreetMap)
- Railway Track (OS Mapping)
- Underground or Partially Underground Railway / Subway System
- Railway Track (OpenStreetMap)
- High Speed 2
- High Speed 2 Revised Proposed Route
- Crossrail 1
- Railway and/or Tunnel Feature from Historical Mapping

9 Railways and Tunnels

9.1 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	Detail
8	S	London Underground - Central 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: 28mbgl 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.

9.2 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.

9.3 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?	No
---	----

Database searched and no data found.

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.

9.4 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.

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.

9.5 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.

Please note that this assessment takes account of both the original Phase 2b proposed route and the amended route proposed in 2016. As the Phase 2b route is still under consultation, Groundsure are providing information on both options until the final route is formally confirmed. Practitioners should take account of this uncertainty when advising clients.

Contact Details

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BGS Geological Hazards Reports and general geological enquiries



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Standard Terms and Conditions

Groundsure's Terms and Conditions can be viewed online at this link:
<https://www.groundsure.com/terms-and-conditions-sept-2016/>

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emapsite
Masdar House, 1 Reading Road,
Eversley, RG27 0RP

Groundsure
Reference: EMS-414680_554131
Your Reference: EMS_414680_554131

Report Date 4 Apr 2017

Report Delivery Method: Email - pdf

Groundsure Enviro Insight

Address: High Holborn Estate,

Dear Sir/ Madam,

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

If you would like further assistance regarding this report then please contact the emapsite customer services team on 0118 9736883 quoting the above report reference number.

Yours faithfully,

emapsite customer services team

Enc.
Groundsure Enviroinsight



Groundsure
Enviro Insight

Address: High Holborn Estate,
Date: 4 Apr 2017
Reference: EMS-414680_554131
Client: emapsite



Aerial Photograph Capture date: 07-Jun-2015
Grid Reference: 530864,181649
Site Size: 0.37ha

Report Reference: EMS-414680_554131
Client Reference: EMS_414680_554131

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Overview of Findings

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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	0	13	35
1.2 Additional Information – Historical Tank Database	0	0	0	11
1.3 Additional Information – Historical Energy Features Database	0	0	6	54
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	0	8
1.6 Potentially Infilled Land	0	0	1	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	1
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	2	3
2.1.7 Records of Category 3 or 4 Radioactive Substances Authorisations	0	0	0	21
2.1.8 Records of Licensed Discharge Consents	0	0	0	0
2.1.9 Records of Water Industry Referrals	0	0	0	1
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/Natural Resources Wales Recorded Pollution Incidents				
2.3.1 National Incidents Recording System, List 2	0	0	0	0
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	1000-1500
3.1 Landfill Sites						
3.1.1 Environment Agency/Natural Resources Wales Registered Landfill Sites	0	0	0	0	0	Not searched
3.1.2 Environment Agency/Natural Resources Wales Historic Landfill Sites	0	0	0	1	1	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/Natural Resources Wales Licensed Waste Sites	0	0	0	0	0	2

Section 4: Current Land Use	On-site	0-50m	51-250	251-500
4.1 Current Industrial Sites Data	2	7	27	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	19	97
6.4 Surface Water Abstraction Licences (within 2000m of the study site)	0	0	0	0	0	2
6.5 Potable Water Abstraction Licences (within 2000m of the study site)	0	0	0	0	9	52
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	0	Not searched	Not searched

Section 6: Hydrogeology and Hydrology	0-500m					
	On-site	0-50m	51-250	251-500	501-1000	1000-1500
6.9 Is there any Environment Agency/Natural Resources Wales 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	1	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 Enviroment Agency Zone 2 floodplains within 250m of the study site?	No
7.2 Are there any Environment Agency/Natural Resources Wales 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 below Surface
7.8 What is the BGS confidence rating for the Groundwater Flooding susceptibility areas?	High

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	1
8.8 Records of World Heritage Sites	0	0	0	0	0	0
8.9 Records of Environmentally Sensitive Areas	0	0	0	0	0	0

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.

Section 8: Designated Environmentally Sensitive Sites	On-site	0-50m	51-250	251-500	501-1000	1000-2000
8.10 Records of Areas of Outstanding Natural Beauty (AONB)	0	0	0	0	0	0
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

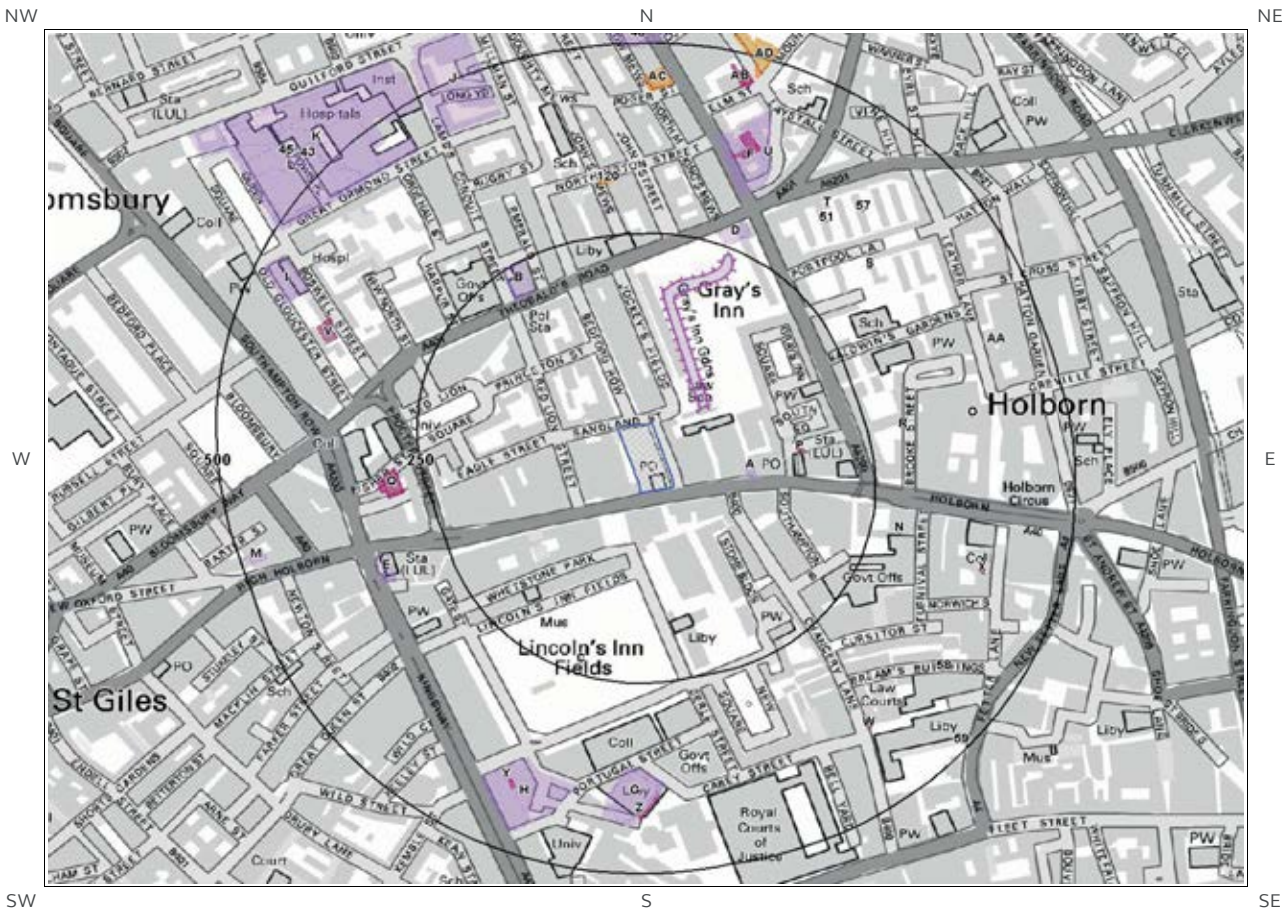
Section 9: Natural Hazards

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.

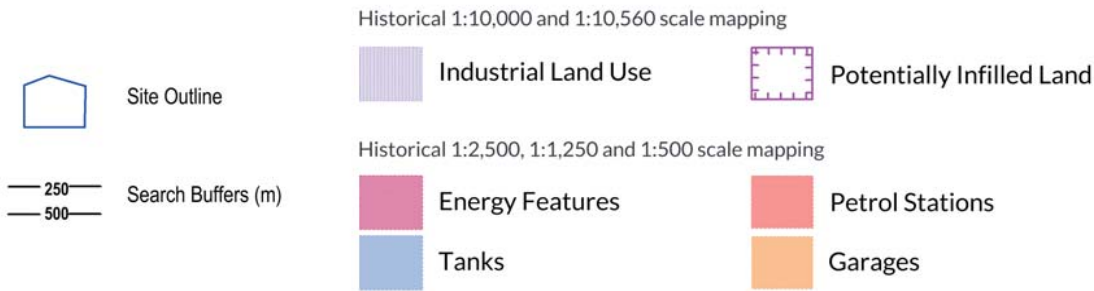
Section 10: Mining

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

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: 48

ID	Distance [m]	Direction	Use	Date
1AE	62	E	Unspecified Ground Workings	1898
2A	91	E	Unspecified Station	1938
3A	91	E	Unspecified Station	1920
4A	92	E	Unspecified Station	1948
5B	206	NW	Police Station	1994
6B	206	NW	Police Station	1976
7B	206	NW	Police Station	1971
8C	229	S	Unspecified Tank	1971
9C	229	S	Unspecified Tank	1976
10C	229	S	Unspecified Tank	1994
11D	250	N	Police Station	1994
12D	250	N	Police Station	1976
13D	250	N	Police Station	1971
14D	268	NE	Police Station	1966
15F	321	N	Unspecified Workhouse	1898
16E	325	W	Unspecified Station	1920
17E	325	W	Unspecified Station	1938
18E	325	W	Unspecified Station	1957
19E	325	W	London Transport Station	1976
20E	325	W	London Transport Station	1971
21E	325	W	Unspecified Station	1966
22E	325	W	Unspecified Station	1994
23E	325	W	Unspecified Station	1948
24F	328	N	Unspecified Workhouse	1895
25F	341	N	Unspecified Workhouse	1895
26G	356	S	Hospital	1895
27G	358	S	Hospital	1895
28G	364	S	Hospital	1898
29H	375	S	Hospital	1976
30H	375	S	Hospital	1971
31H	411	S	Hospital	1966
32I	425	NW	Hospital	1971
33I	425	NW	Hospital	1976

34I	425	NW	Hospital	1994
35I	429	NW	Hospital	1966
36J	437	N	Unspecified Yard	1938
37J	437	N	Unspecified Yard	1920
38K	440	NW	Hospital	1971
39K	440	NW	Hospital	1976
40K	440	NW	Hospital	1994
41L	448	NW	Hospitals	1898
42L	450	NW	Hospitals	1895
43	451	NW	Hospital	1966
44L	457	NW	Hospitals	1895
45	468	NW	Hospital	1957
46M	469	W	Unspecified Station	1938
47M	469	W	Unspecified Station	1920
48	495	N	Hospital	1894

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: 11

ID	Distance (m)	Direction	Use	Date
49N	282	E	Unspecified Tank	1994
50N	282	E	Unspecified Tank	1992
51	341	NE	Unspecified Tank	1916
52O	379	E	Unspecified Tank	1951
53O	380	E	Unspecified Tank	1957
54O	380	E	Unspecified Tank	1951
55O	380	E	Unspecified Tank	1951
56U	380	N	Unspecified Tank	1878
57	382	NE	Unspecified Tank	1916
58	411	SE	Unspecified Tank	1995
59	487	SE	Unspecified Tank	1916

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: 60

ID	Distance (m)	Direction	Use	Date
60P	159	E	Electricity Substation	1975
61P	159	E	Electricity Substation	1991
62P	159	E	Electricity Substation	1989
63P	159	E	Electricity Substation	1980
64P	162	E	Electricity Substation	1992
65P	162	E	Electricity Substation	1994
66Q	279	W	Electricity Substation	1967
67Q	280	W	Electricity Substation	1951
68Q	281	W	Electricity Substation	1990
69Q	281	W	Electricity Substation	1991
70R	292	E	Electricity Substation	1991
71R	292	E	Electricity Substation	1989
72R	293	E	Electricity Substation	1992
73R	293	E	Electricity Substation	1994
74Q	299	W	Electricity Substation	1995
75S	335	NE	Electricity Substation	1991
76S	335	NE	Electricity Substation	1980
77S	335	NE	Electricity Substation	1989
78S	336	NE	Electricity Substation	1975
79S	337	NE	Electricity Substation	1994
80S	337	NE	Electricity Substation	1992
81T	356	NE	Electricity Substation	1975
82T	356	NE	Electricity Substation	1991
83T	356	NE	Electricity Substation	1989
84T	356	NE	Electricity Substation	1980
85T	357	NE	Electricity Substation	1992
86T	357	NE	Electricity Substation	1994
87U	363	N	Electricity Substation	1951
88F	367	N	Electricity Substation	1952
89V	369	W	Electricity Substation	1951
90U	379	N	Electricity Substation	1952
91V	381	W	Electricity Substation	1967
92U	381	N	Electricity Substation	1954
93W	393	SE	Electricity Substation	1995
94W	394	SE	Electricity Substation	1991
95W	394	SE	Electricity Substation	1989
96X	395	E	Electricity Substation	1980
97X	395	E	Electricity Substation	1989
98X	396	E	Electricity Substation	1975
99X	396	E	Electricity Substation	1971
100G	397	S	Electricity Substation	1995
101X	398	E	Electricity Substation	1989
102Y	406	SW	Electricity Substation	1967
103Y	408	SW	Electricity Substation	1951

104Z	417	S	Electricity Substation	1967
105Z	417	S	Electricity Substation	1967
106Z	417	S	Electricity Substation	1951
107Z	423	S	Electricity Substation	1987
108Z	423	S	Electricity Substation	1991
109Z	424	S	Electricity Substation	1969
110Z	424	S	Electricity Substation	1951
111AA	436	E	Electricity Substation	1951
112AA	436	E	Electricity Substation	1951
113AB	456	N	Electricity Substation	1982
114AB	456	N	Electricity Substation	1991
115AB	456	N	Electricity Substation	1982
116AB	456	N	Electricity Substation	1974
117AB	459	N	Electricity Substation	1952
118AB	459	N	Electricity Substation	1951
119AB	469	N	Electricity Substation	1995

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: 8

ID	Distance (m)	Direction	Use	Date
120	316	N	Garage	1960
121AC	437	N	Garage	1991
122AC	437	N	Garage	1982
123AC	437	N	Garage	1982
124AC	437	N	Garage	1974
125AD	471	N	Garage	1954
126AD	473	N	Garage	1952
127AD	496	N	Garage	1951

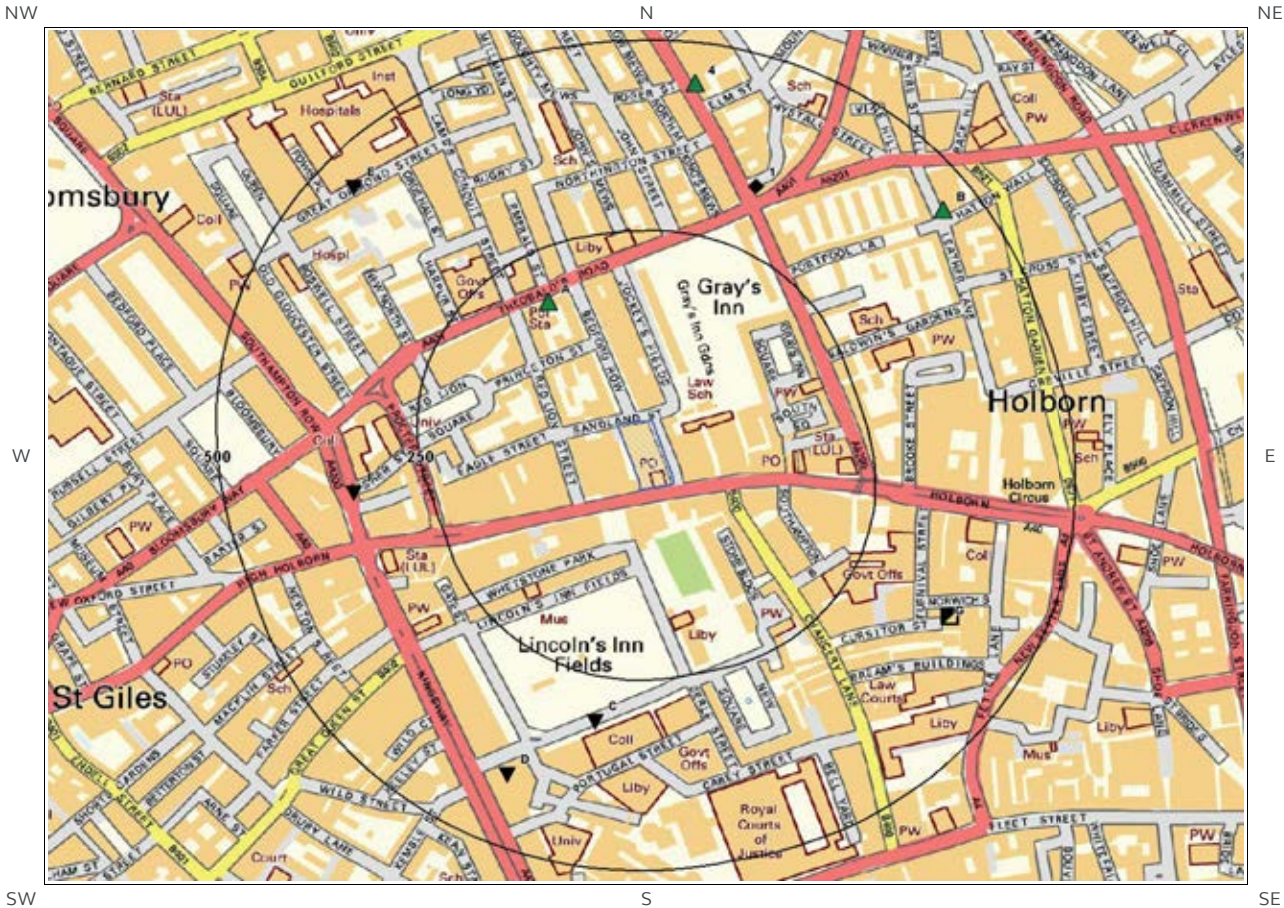
1.6 Potentially Infilled Land

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

The following Historical Potentially Infilled Features derived from the Historical Mapping information is provided by Groundsure:

ID	Distance(m)	Direction	Use	Date
128AE	62	E	Unspecified Ground Workings	1898

2. Environmental Permits, Incidents and Registers Map



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- Site Outline
- Search Buffers (m)
250
500
- Recorded Pollution Incident
- Dangerous Substances (List 1)
- Dangerous Substances (List 2)
- Water Industry Referrals
- Licenced Discharge Consents
- Red List Discharge Consents
- RAS 3 & 4 Authorisations
- Part A(1) Authorised Processes and Historic IPC Authorisations
- Part A(2) and Part B Authorised Processes
- COMAH / NIHHS Sites
- Sites Determined as Contaminated Land
- Hazardous Substance Consents and Enforcements

2. Environmental Permits, Incidents and Registers

2.1 Industrial Sites Holding Licences and/or Authorisations

Searches of information provided by the Environment Agency/Natural Resources Wales 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:

1

The following List 1 Dangerous Substance Inventory Site records are represented as points on the Environmental Permits, Incidents and Registers Map:

ID	Distance (m)	Direction	NGR	Details
1	333	NE	531000 182000	Name: Pentonville Plating Co Ltd, Queensland Road, London, Nw10 Status: Active Receiving Water: Thames Estuary Authorised Substances: Mercury (other), Cadmium

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	
2A	181	NW	530742 181847	Address: Matthew Daniel Dry Cleaners Ltd, 13 Theobalds Road, WC1X 8SL Process: Dry Cleaning Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of Enforcement: No Enforcement Notified Comment: No Enforcement Notified
3A	181	NW	530742 181847	Address: Matthew Daniel Dry Cleaners Ltd, 13 Theobalds Road, WC1X 8SL Process: Dry Cleaning Status: Current Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of Enforcement: No Enforcement Notified Comment: No Enforcement Notified
4	444	N	530924 182134	Address: Valet Dry Cleaners, 184 Gray's Inn Road, WC1X 8EW Process: Dry Cleaning Status: Current Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of Enforcement: No Enforcement Notified Comment: No Enforcement Notified
5B	453	NE	531232 181968	Address: Sue Smart A.K.A Dolphin, 86 Leather Lane, London, EC1N 7TT Process: Dry Cleaning Status: Current Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of Enforcement: No Enforcement Notified Comment: No Enforcement Notified
6B	453	NE	531232 181968	Address: Sue Smart, 86 Leather Lane, EC1N 7TT Process: Dry Cleaning 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:

21



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
29C	309	S	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:24/10/1997 Effective from:24/10/1997 Last date of update:2015-01-01	Superseded By New Application
30C	309	S	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
31C	309	S	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 Surgeons Of England	Disposal Of Radioactive Waste (was Rsa60 Section 6).	AD6765	Date of Approval:31/3/1991 Effective from:31/3/1991 Last date of update:2015-01-01	Revoked/cancelled
32C	309	S	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:28/4/2008 Effective from:26/5/2008 Last date of update:2015-01-01	Effective
33C	309	S	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:24/5/2002 Effective from:21/6/2002 Last date of update:2015-01-01	Superseded By Variation
34C	309	S	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:26/8/1994 Effective from:23/9/1994 Last date of update:2015-01-01	Superseded By Variation
35F	340	W	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

ID	Distance (m)	Direction	NGR	Address	Operator	Type	Permission Number	Dates	Status
36D	409	SW	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
37D	409	SW	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
38D	409	SW	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
39D	409	SW	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
40E	454	NW	530500 182000	Great Ormond Street Hospital For Children Nhs Trust, Great Ormond Street, London, WC1N 3JH	Great Ormond Street Hospital For Children Nhs Trust	Keeping And Use Of Radioactive Materials (was Rsa60 Section 1).	AB5415	Date of Approval:24/11/2008 Effective from:24/11/2008 Last date of update:2015-01-01	Effective
41E	454	NW	530500 182000	Great Ormond Street Hospital For Children Nhs Trust, Great Ormond Street, London, WC1N 3JH	Great Ormond Street Hospital For Children Nhs Trust	Disposal Of Radioactive Waste (was Rsa60 Section 6).	BG6243	Date of Approval:21/2/2005 Effective from:21/3/2005 Last date of update:2015-01-01	Superseded By Variation
42E	454	NW	530500 182000	Great Ormond Street Hospital For Children Nhs Trust, Great Ormond Street, London, WC1N 3JH	Great Ormond Street Hospital For Children Nhs Trust	Keeping And Use Of Radioactive Materials (was Rsa60 Section 1).	AB5415	Date of Approval:11/1/2000 Effective from:11/1/2000 Last date of update:2015-01-01	Superseded By Variation
43E	454	NW	530500 182000	Great Ormond Street Hospital For Children Nhs Trust, Great Ormond Street, London, WC1N 3JH	Great Ormond Street Hospital For Children Nhs Trust	Disposal Of Radioactive Waste (was Rsa60 Section 6).	BG6243	Date of Approval:5/1/2006 Effective from:5/1/2006 Last date of update:2015-01-01	Superseded By Variation

Report Reference: EMS-414680_554131
Client Reference: EMS_414680_554131

ID	Distance (m)	Direction	NGR	Address	Operator	Type	Permission Number	Dates	Status
44E	454	NW	530500 182000	Great Ormond Street Hospital For Children Nhs Trust, Great Ormond Street, London, WC1N 3JH	Great Ormond Street Hospital For Children Nhs Trust	Disposal Of Radioactive Waste (was Rsa60 Section 6).	BG6243	Date of Approval:24/11/2008 Effective from:22/12/2008 Last date of update:2015-01-01	Effective
45E	454	NW	530500 182000	Hospital For Sick Children, Great Ormond Street, London, WC1N 3JH	Hospital For Sick Children	Disposal Of Radioactive Waste (was Rsa60 Section 6).	AB5431	Date of Approval:26/6/1993 Effective from:26/7/1993 Last date of update:2015-01-01	Revoked/cancelled
46E	454	NW	530500 182000	Great Ormond Street Hospital For Children Nhs Trust, Great Ormond Street, London, WC1N 3JH	Great Ormond Street Hospital For Children Nhs Trust	Disposal Of Radioactive Waste (was Rsa60 Section 6).	BG6243	Date of Approval:11/1/2000 Effective from:31/1/2000 Last date of update:2015-01-01	Superseded By Variation
47E	454	NW	530500 182000	Great Ormond Street Hospital For Children Nhs Trust, Great Ormond Street, London, WC1N 3JH	Great Ormond Street Hospital For Children Nhs Trust	Keeping And Use Of Radioactive Materials (was Rsa60 Section 1).	AB5415	Date of Approval:6-11-1991 Effective from:6-11-1991 Last date of update:2005-01-06	Superseded By Variation
48E	454	NW	530500 182000	Great Ormond Street Hospital For Children Nhs Trust, Great Ormond Street, London, WC1N 3JH	Great Ormond Street Hospital For Children Nhs Trust	Keeping And Use Of Radioactive Materials (was Rsa60 Section 1).	AB5415	Date of Approval:21/2/2005 Effective from:21/2/2005 Last date of update:2015-01-01	Superseded By Variation
49E	454	NW	530500 182000	Great Ormond Street Hospital For Children Nhs Trust, Great Ormond Street, London, WC1N 3JH	Great Ormond Street Hospital For Children Nhs Trust	Disposal Of Radioactive Waste (was Rsa60 Section 6).	BG6243	Date of Approval:1/12/2003 Effective from:1/1/2004 Last date of update:2015-01-01	Superseded By Variation

Report Reference: EMS-414680_554131
Client Reference: EMS_414680_554131

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:

1

The following Water Industry Referral records are represented as points on the Environmental Permits, Incidents and Registers Map:

ID	Distance (m)	Direction	Address	Permission reference	Local Authority	First Date Received	Last Date Received	Status
50G	384	SE	AEROMET INTERNATIONAL PLC, 10 NORWICH STREET, 10 NORWICH STREET, NORWICH, LONDON, EC4A 1BD	BZ0564	WELWYN HATFIELD DISTRICT COUNCIL	01-Apr-2005	08-Oct-2016	DEAD (APPLICATION)

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/Natural Resources Wales Recorded Pollution Incidents

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

0

Database searched and no data found.

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?

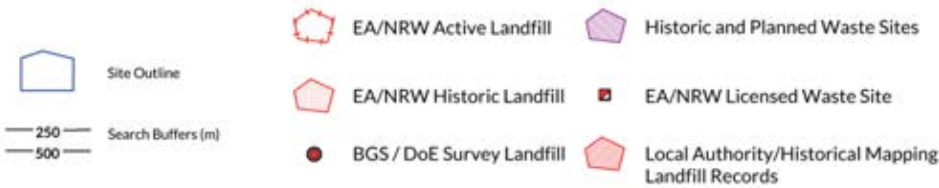
0

Database searched and no data found.

3. Landfill and Other Waste Sites Map



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3. Landfill and Other Waste Sites

3.1 Landfill Sites

3.1.1 Records from Environment Agency/Natural Resources Wales landfill data within 1000m of the study site:

0

Database searched and no data found.

3.1.2 Records of Environment Agency/Natural Resources Wales historic landfill sites within 1500m of the study site:

2

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	334	S	530700 181200	Site Address: Portugal Street, Lincoln's Inn Fields, London WC2A Waste Licence: - Site Reference: IMP006 Waste Type: - Environmental Permitting Regulations (Waste) Reference: -	Licence Issue: Licence Surrendered: Licence Holder Address: - Operator: - Licence Holder: - First Recorded: - Last Recorded: -
Not shown	938	NE	531400 182400	Site Address: Rosoman Street / Skinner Street, Finsbury Waste Licence: - Site Reference: - Waste Type: Inert Environmental Permitting Regulations (Waste) Reference: -	Licence Issue: Licence Surrendered: Licence Holder Address: - Operator: - Licence Holder: - First Recorded: 31-Dec-1975 Last Recorded: 31-Dec-1978

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

0

Database searched and no data found.

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:

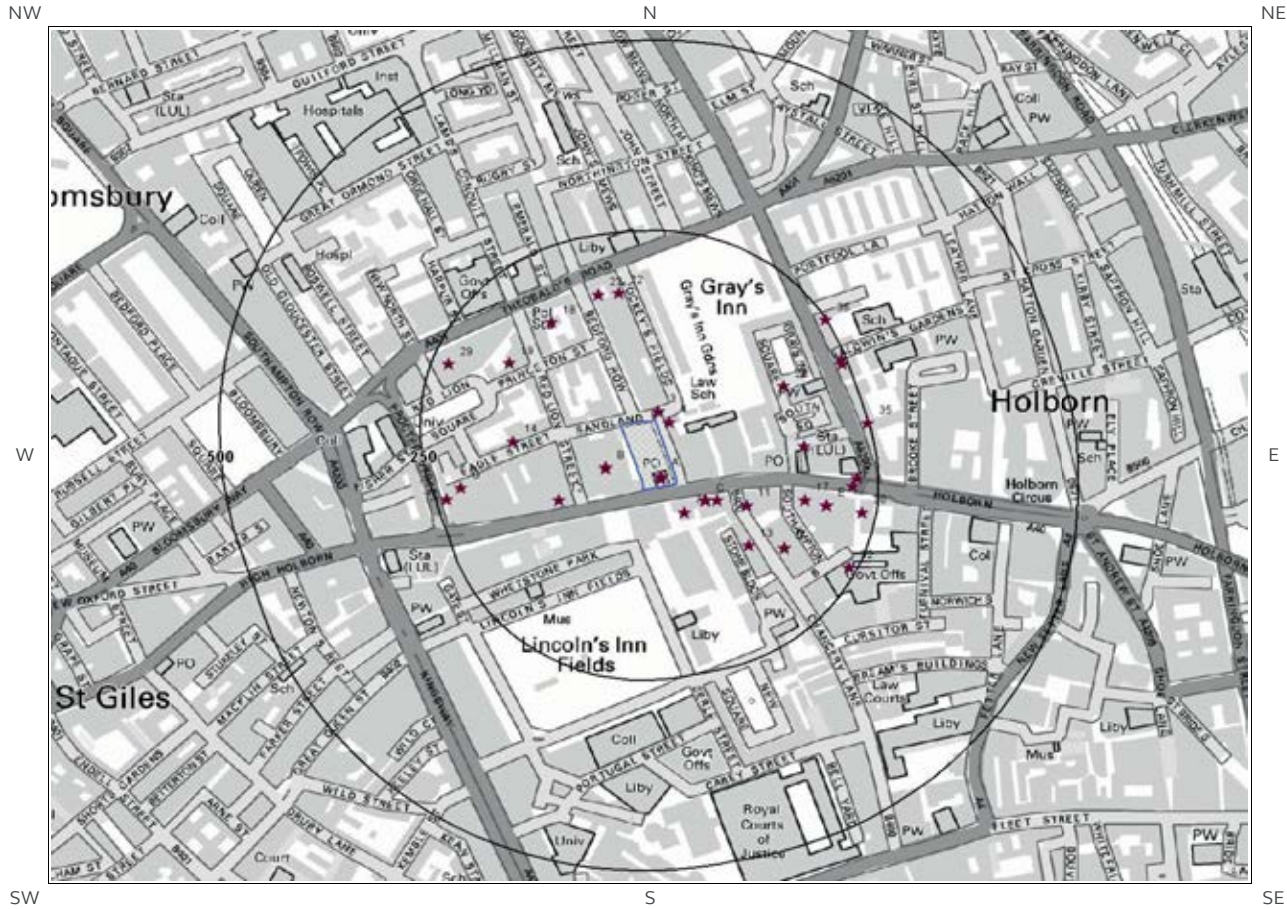
Database searched and no data found.

3.2.2 Records of Environment Agency/Natural Resources Wales licensed waste sites within 1500m of the study site:

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	1382	NE	531980 182519	<div>Site Address: -</div> <div>Type: Metal Recycling Site (mixed MRS's)</div> <div>Size: < 25000 tonnes</div> <div>Environmental Permitting Regulations (Waste) Licence Number: BAR002</div> <div>EPR reference: EA/EPR/NP3891NH/A001</div> <div>Operator: Barbican Metal Company (Refiners) Ltd</div> <div>Waste Management licence No: 80291</div> <div>Annual Tonnage: 24999.0</div> <div>Issue Date: 23/12/1994</div> <div>Effective Date: -</div> <div>Modified: -</div> <div>Surrendered Date: -</div> <div>Expiry Date: -</div> <div>Cancelled Date: -</div> <div>Status: Issued</div> <div>Site Name: Barbican Metal, Seward St</div> <div>Correspondence Address: -</div>
Not shown	1382	NE	531980 182519	<div>Site Address: -</div> <div>Type: Metal Recycling Site (mixed MRS's)</div> <div>Size: < 25000 tonnes</div> <div>Environmental Permitting Regulations (Waste) Licence Number: BAR002</div> <div>EPR reference: EA/EPR/NP3891NH/A001</div> <div>Operator: Barbican Metal Company (Refiners) Ltd</div> <div>Waste Management licence No: 80291</div> <div>Annual Tonnage: 24999.0</div> <div>Issue Date: 23/12/1994</div> <div>Effective Date: -</div> <div>Modified: -</div> <div>Surrendered Date: -</div> <div>Expiry Date: -</div> <div>Cancelled Date: -</div> <div>Status: Issued</div> <div>Site Name: Barbican Metal, Seward St</div> <div>Correspondence Address: -</div>

4. Current Land Use Map



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- Site Outline

Search Buffers (m)
- Current Industrial Sites

Petrol & Fuel Sites
- Electricity Transmission Cables

Gas Transmission Pipelines

4. Current Land Uses

4.1 Current Industrial Data

Records of potentially contaminative industrial sites within 250m of the study site: 36

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

ID	Distance (m)	Direction	Company	NGR	Address	Activity	Category
1A	0	On Site	Maplin Ltd	530878 181622	Maplin Ltd, 52-54, High Holborn, London, WC1V 6RL	Electrical Components	Industrial Products
2A	0	On Site	Cyient Europe Ltd	530878 181617	Cyient Europe Ltd, High Holborn House 52-54, High Holborn, London, WC1V 6RL	Industrial Engineers	Engineering Services
3	13	N	Pump	530874 181706	Pump, WC1R	Water Pumping Stations	Industrial Features
4	16	E	London Music Press	530888 181691	London Music Press, 52, Bedford Row, London, WC1R 4LR	Recording Studios and Record Companies	IT, Advertising, Marketing and Media Services
5B	36	W	Devro	530809 181632	Devro, 71, High Holborn, London, WC1V 6EA	Catering and Non Specific Food Products	Foodstuffs
6B	36	W	Metal One UK	530809 181632	Metal One UK, Mid City Place 71, High Holborn, London, WC1V 6BA	Metals Manufacturers, Fabricators and Stockholders	Industrial Products
7	38	S	Open Energi	530906 181574	Open Energi, Lincoln House 296-302, High Holborn, London, WC1V 7JH	Electronic Equipment	Industrial Products
8C	40	SE	R S T M H	530932 181590	R S T M H, Northumberland House 303-306, High Holborn, London, WC1V 7JZ	Published Goods	Industrial Products
9C	40	SE	Clancy Consulting	530933 181590	Clancy Consulting, 7th Floor-Northumberland House, 303-306 High Holborn, London, WC1V 7JZ	Civil Engineers	Engineering Services
10C	53	SE	M C S International	530947 181590	M C S International, 7th Floor The Dutch House 307-308, High Holborn, London, WC1V 7LL	Rubber, Silicones and Plastics	Industrial Products
11	91	E	W S P	530985 181583	W S P, 70, Chancery Lane, London, WC2A 1AF	Civil Engineers	Engineering Services
12	106	W	Thoroughbred Owner & Breeder Magazine	530750 181589	Thoroughbred Owner & Breeder Magazine, 75, High Holborn, London, WC1V 6LS	Published Goods	Industrial Products

ID	Distance (m)	Direction	Company	NGR	Address	Activity	Category
13	119	SE	Inns of Court City & Essex Yeomanry	530987 181531	Inns of Court City & Essex Yeomanry, 10 Stone Building, Lincoln's Inn, London, WC2A 3TG	Armed Services	Central and Local Government
14	137	W	The Folio Society	530693 181666	The Folio Society, 44, Eagle Street, London, WC1R 4FS	Published Goods	Industrial Products
15D	156	SE	John Surtees	531030 181528	John Surtees, London Silver Vaults Chancery House 53-64, Chancery Lane, London, WC2A 1QS	Jewellery, Gems, Clocks and Watches	Consumer Products
16D	156	SE	Linden & Co	531030 181528	Linden & Co, London Silver Vaults Chancery House 53-64, Chancery Lane, London, WC2A 1QS	Jewellery, Gems, Clocks and Watches	Consumer Products
17	159	E	Oktra Ltd	531056 181590	Oktra Ltd, 322, High Holborn, London, WC1V 7PB	Office and Shop Equipment	Industrial Products
18	160	NW	Battle McCarthy	530741 181822	Battle McCarthy, Dog & Duck Yard, Princeton Street, London, WC1R 4BH	Civil Engineers	Engineering Services
19	162	NW	Jocelyn Burton's Studio	530689 181769	Jocelyn Burton's Studio, 50c, Red Lion Street, London, WC1R 4PF	Jewellery, Gems, Clocks and Watches	Consumer Products
20	164	E	Electricity Sub Station	531056 181660	Electricity Sub Station, WC1R	Electrical Features	Infrastructure and Facilities
21	165	E	Pump	531030 181739	Pump, WC1R	Water Pumping Stations	Industrial Features
22	172	N	Ryland Peters & Small	530825 181861	Ryland Peters & Small, 20-21, Jockey's Fields, London, WC1R 4BW	Published Goods	Industrial Products
23	173	N	Eco-airvent Ltd	530799 181859	Eco-airvent Ltd, 20-22, Bedford Row, London, WC1R 4JS	Cooling and Refrigeration	Industrial Products
24E	187	E	Bela Gems Ltd	531083 181583	Bela Gems Ltd, Holborn Gate 330, High Holborn, London, WC1V 7QT	Jewellery, Gems, Clocks and Watches	Consumer Products
25E	187	E	Parsons Group International Ltd	531083 181583	Parsons Group International Ltd, Holborn Gate 330, High Holborn, London, WC1V 7QT	Civil Engineers	Engineering Services
26G	215	W	Sixt	530629 181607	Sixt, 94, High Holborn, London, WC1V 6LF	Vehicle Hire and Rental	Hire Services
27F	217	E	Chancery Lane	531116 181609	Chancery Lane, Chancery Lane Station, High Holborn, London, WC1V 6DR	Underground Network Stations	Public Transport, Stations and Infrastructure
28F	224	E	Lola's Cupcakes	531122 181619	Lola's Cupcakes, Chancery Lane Station, High Holborn, London, WC1V 6DR	Baking and Confectionery	Foodstuffs
29	230	W	T E S Global	530613 181768	T E S Global, 26, Red Lion Square, London, WC1R 4HQ	Published Goods	Industrial Products
30	232	E	The Cascade Group	531127 181574	The Cascade Group, Staple Inn Buildings, London, WC1V 7PZ	Published Goods	Industrial Products

ID	Distance (m)	Direction	Company	NGR	Address	Activity	Category
31G	237	W	Transport for London	530611 181591	Transport for London, Templar House 81-87, High Holborn, London, WC1V 6NU	Railway Companies and Information	Transport, Storage and Delivery
32	240	SE	Abacus E-media	531112 181502	Abacus E-media, Floor 3 Chancery Exchange, 10 Furnival Street, London, EC4A 1AB	Published Goods	Industrial Products
33H	244	E	London Copy Centre	531103 181768	London Copy Centre, 44, Gray's Inn Road, London, WC1X 8LR	Published Goods	Industrial Products
34H	244	E	Konditor & Cook	531101 181774	Konditor & Cook, 46, Gray's Inn Road, London, WC1X 8LP	Baking and Confectionery	Foodstuffs
35	249	E	Map of Medicine	531135 181690	Map of Medicine, Fox Court 14, Gray's Inn Road, London, WC1X 8HN	Published Goods	Industrial Products
36	249	NE	Love Space	531082 181826	Love Space, 60, Gray's Inn Road, London, WC1X 8LU	Container and Storage	Transport, Storage and Delivery

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-XSV	LYNCH HILL GRAVEL MEMBER	SAND AND GRAVEL

5.3 Bedrock and Solid Geology

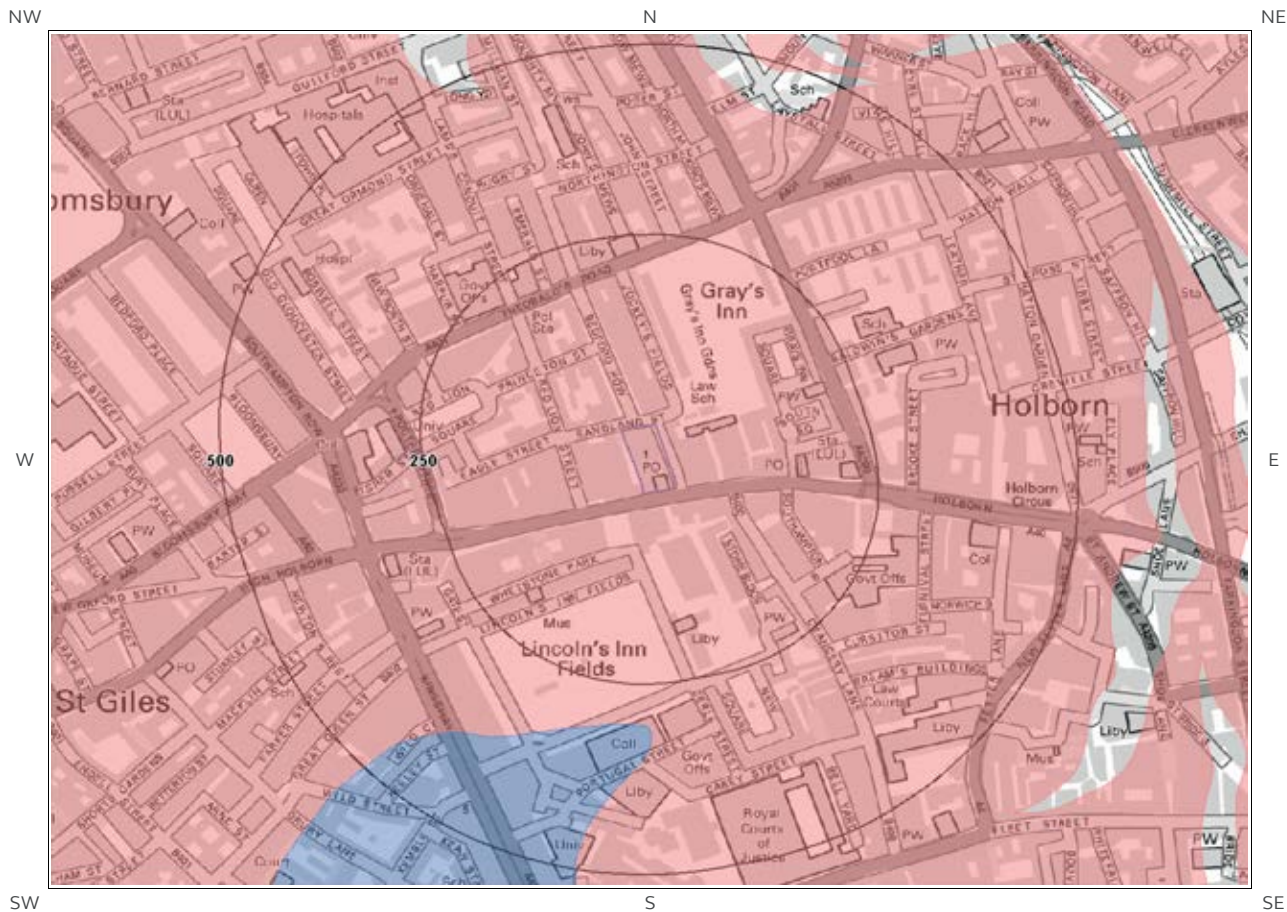
The database has been searched on site, including a 50m buffer.

Lex Code	Description	Rock Type
LC-XCZS	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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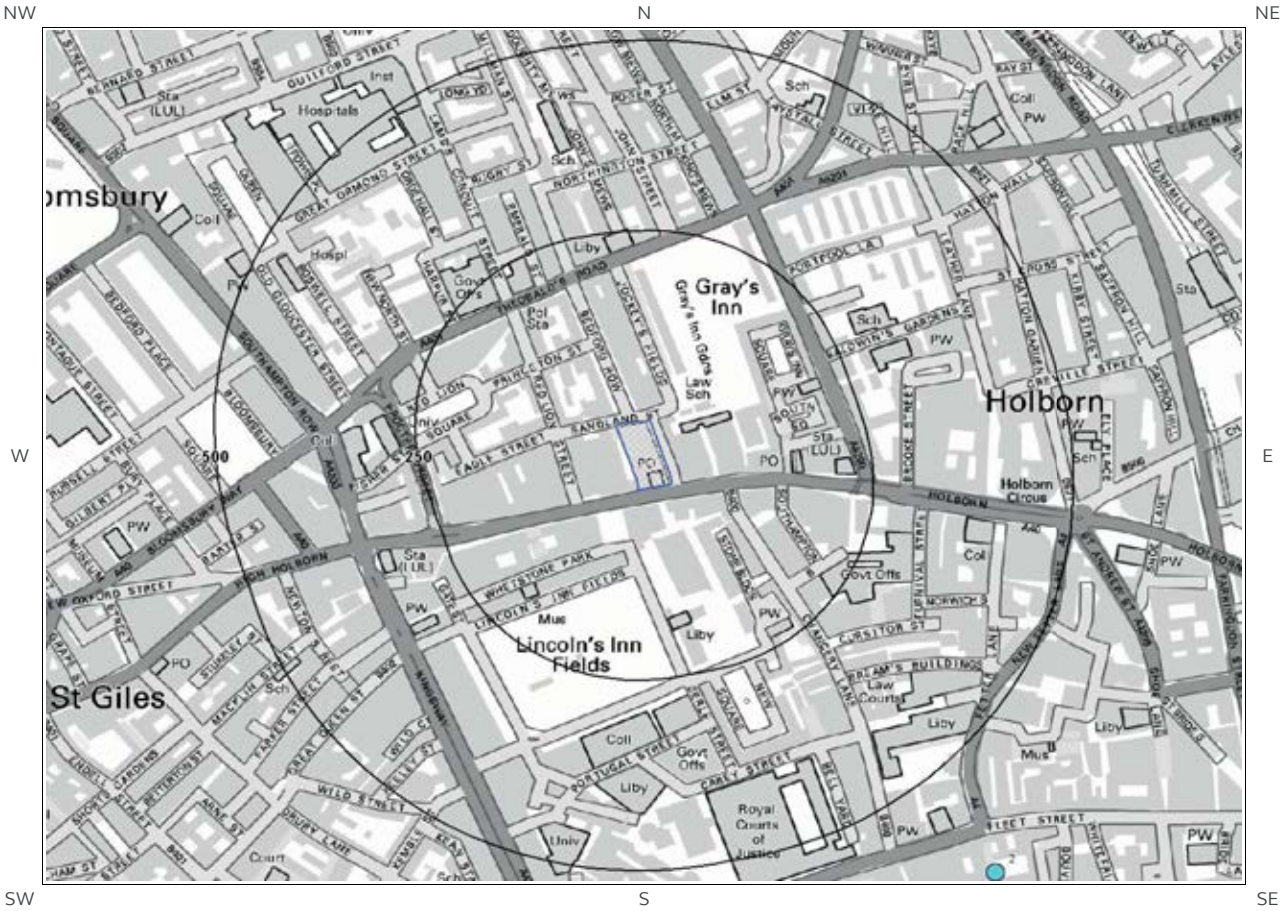
6b. Aquifer Within Bedrock Geology and Abstraction Licenses



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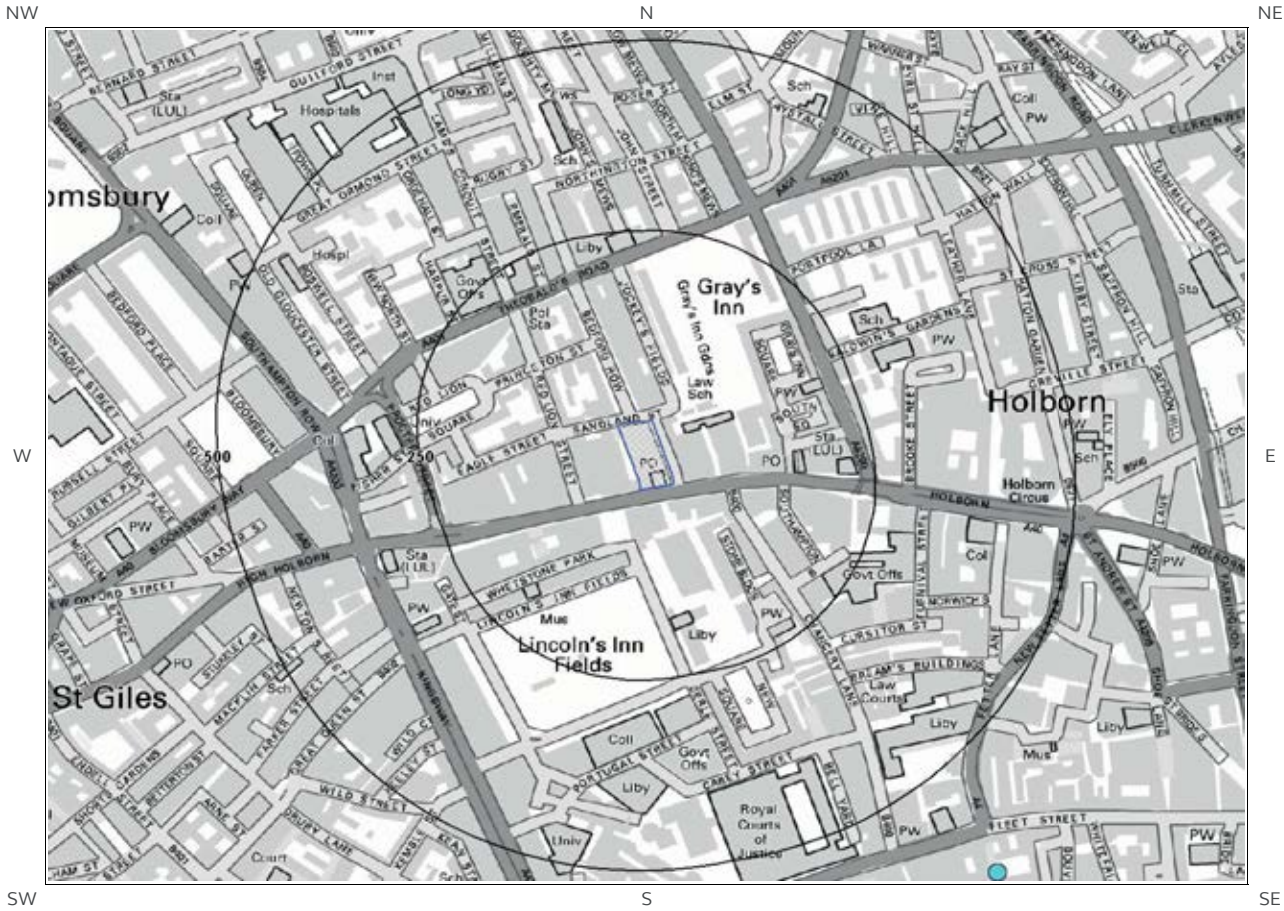
6c. Hydrogeology – Source Protection Zones and Potable Water Abstraction Licenses



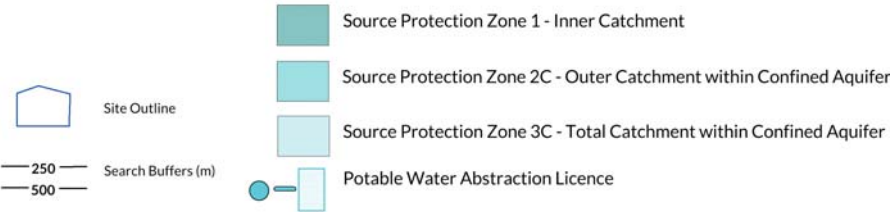
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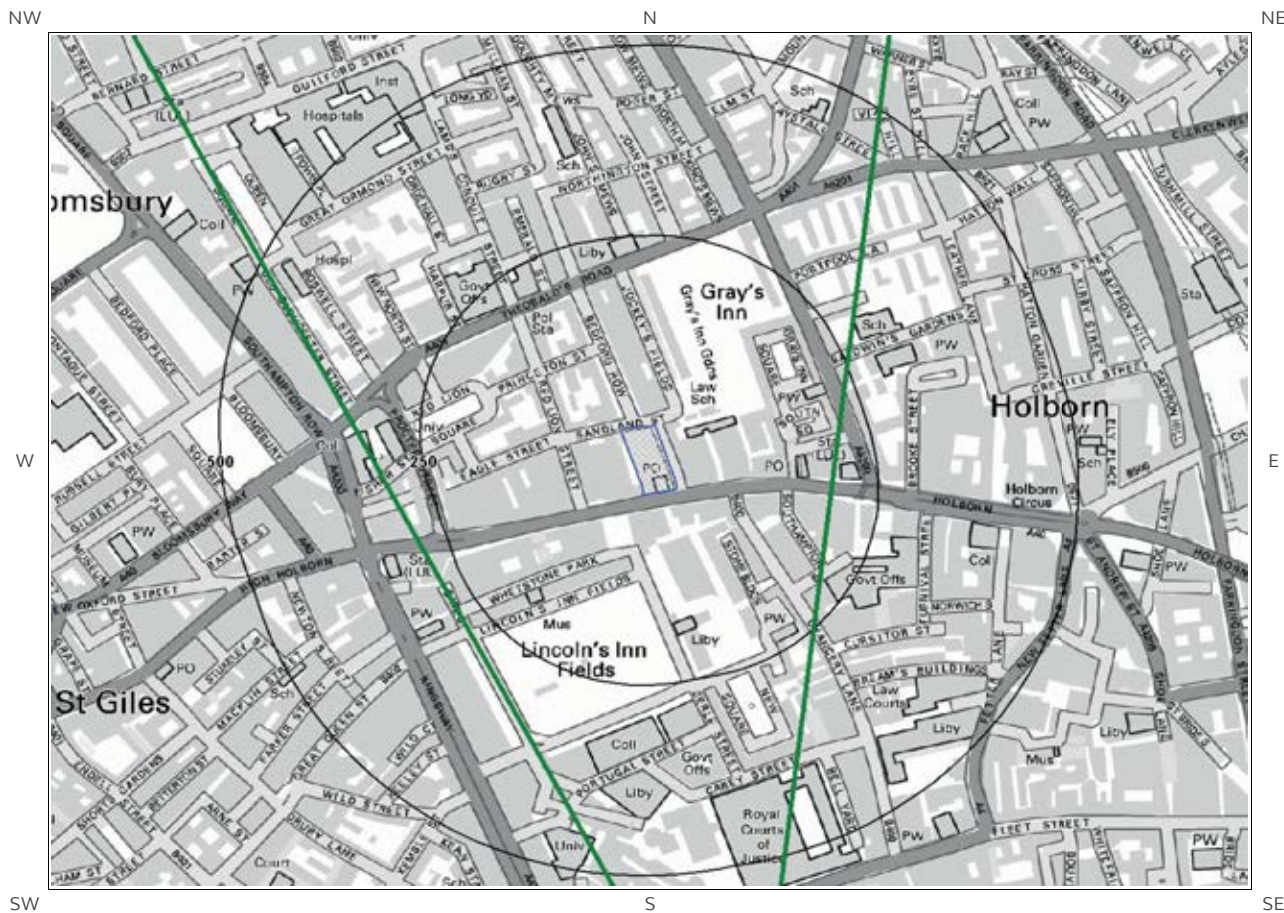
6d. Hydrogeology – Source Protection Zones within confined aquifer



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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/Natural Resources Wales'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 Enviro Insight 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
5	303	S	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow

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/Natural Resources Wales'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 Enviro Insight User Guide.

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

ID	Distance (m)	Direction	Designation	Description
2	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

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	649	S	531050 180980	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 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:
5	650	SE	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	652	S	531060 180980	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 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:
Not shown	655	S	531030 180970	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 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:
8A	707	E	531600 181700	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 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:

ID	Distance (m)	Direction	NGR	Details	
9A	707	E	531600 181700	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	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:
Not shown	744	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	816	S	531000 180800	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	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:
Not shown	816	S	531000 180800	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	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:
Not shown	816	S	531000 180800	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	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:
Not shown	843	SE	531315 180878	Status: Active Licence No: TH/039/0039/115 Details: Spray Irrigation - Direct Direct Source: Thames Groundwater Point: Inner Temple Gardens Borehole Data Type: Point Name: THE HONOURABLE SOCIETY OF THE INNER TEMPLE	Annual Volume (m³): 8000 Max Daily Volume (m³): 50 Original Application No: NPS/WR/022651 Original Start Date: 20/10/2016 Expiry Date: 31/3/2028 Issue No: 1 Version Start Date: 20/10/2016 Version End Date:
Not shown	853	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:

ID	Distance (m)	Direction	NGR	Details	
Not shown	853	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	903	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	931	SE	531500 180900	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	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:
Not shown	985	W	529860 181863	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	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:
Not shown	985	W	529860 181863	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	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: 1/4/2011 Version End Date:
Not shown	987	W	529858 181865	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	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:
Not shown	987	W	529858 181865	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	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: 1/4/2011 Version End Date:

ID	Distance (m)	Direction	NGR	Details	
Not shown	1143	N	531280 182760	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	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:
Not shown	1145	N	531239 182777	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	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:
Not shown	1201	SE	531950 181030	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	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:
Not shown	1201	SE	531950 181030	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	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:
Not shown	1220	E	532100 181400	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	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:
Not shown	1241	E	532100 181300	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	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:
Not shown	1284	E	532160 181370	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	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:

Report Reference: EMS-414680_554131
Client Reference: EMS_414680_554131

ID	Distance (m)	Direction	NGR	Details	
Not shown	1290	NW	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	1290	NW	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	1290	NW	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	1294	SW	530089 180562	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	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:
Not shown	1295	SW	530090 180560	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	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:
Not shown	1299	E	532160 181300	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	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:
Not shown	1304	S	531025 180310	Status: Active Licence No: TH/039/0042/008 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: Thames Groundwater Point: Chalk At Royal National Theatre Data Type: Point Name: The Royal National Theatre	Annual Volume (m³): 43800 Max Daily Volume (m³): 120 Original Application No: NPS/WR/005129 Original Start Date: 20/10/2015 Expiry Date: 31/3/2019 Issue No: 1 Version Start Date: 20/10/2015 Version End Date:
Not shown	1328	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: 1/4/2013 Version End Date:

Report Reference: EMS-414680_554131
Client Reference: EMS_414680_554131

ID	Distance (m)	Direction	NGR	Details	
Not shown	1334	S	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	1338	S	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	1338	S	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	1338	S	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:
Not shown	1339	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: 13/12/2004 Version End Date:
Not shown	1339	NE	531450 182900	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	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	1339	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:

ID	Distance (m)	Direction	NGR	Details	
Not shown	1339	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	1339	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	1339	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	1339	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	1339	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	1400	SE	531600 180400	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	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:
Not shown	1400	SE	531600 180400	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	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:

ID	Distance (m)	Direction	NGR	Details	
Not shown	1400	SE	531600 180400	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	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:
Not shown	1400	SE	531600 180400	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	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:
Not shown	1414	SW	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	1414	SW	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	1433	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:
Not shown	1433	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	1433	E	532245 181121	Status: Active Licence No: TH/039/0039/109 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: NPS/WR/019073 Original Start Date: 27/8/2015 Expiry Date: 31/3/2025 Issue No: 1 Version Start Date: 27/8/2015 Version End Date:

ID	Distance (m)	Direction	NGR	Details	
Not shown	1455	S	530737 180153	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	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	1455	S	530737 180153	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	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	1455	S	530737 180153	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	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:
Not shown	1460	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	1460	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	1460	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	1460	E	532291 181171	Status: Active Licence No: TH/039/0039/109 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: NPS/WR/019073 Original Start Date: 27/8/2015 Expiry Date: 31/3/2025 Issue No: 1 Version Start Date: 27/8/2015 Version End Date:

ID	Distance (m)	Direction	NGR	Details	
Not shown	1491	SE	531872 180482	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	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:
Not shown	1491	SE	531872 180482	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	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:
Not shown	1498	SE	531849 180454	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	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:
Not shown	1498	SE	531849 180454	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	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:
Not shown	1504	SE	531874 180466	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	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:
Not shown	1504	SE	531874 180466	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	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:
Not shown	1572	SE	532300 180900	Status: Historical Licence No: 28/39/39/0071 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: Borehole At Beaver House, Great Trinity Street, London Ec4 Data Type: Point Name: DTZ DEBENHAM TIE LEUNG LIMITED	Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: - Original Start Date: 13/6/1966 Expiry Date: - Issue No: 101 Version Start Date: 1/1/2000 Version End Date:

ID	Distance (m)	Direction	NGR	Details	
Not shown	1572	SE	532300 180900	Status: Historical Licence No: 28/39/39/0071 Details: Evaporative Cooling Direct Source: Thames Groundwater Point: Borehole At Beaver House, Great Trinity Street, London Ec4 Data Type: Point Name: DTZ DEBENHAM TIE LEUNG LIMITED	Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: - Original Start Date: 13/6/1966 Expiry Date: - Issue No: 101 Version Start Date: 1/1/2000 Version End Date:
Not shown	1671	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	1750	E	532600 181200	Status: Historical Licence No: 28/39/39/0098 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: Borehole 'c' At Poultry, London Ec2 Data Type: Point Name: HSBC BANK plc	Annual Volume (m³): 33317.6 Max Daily Volume (m³): 90.92 Original Application No: - Original Start Date: 13/6/1966 Expiry Date: - Issue No: 100 Version Start Date: 3/4/2000 Version End Date:
Not shown	1750	E	532600 181200	Status: Historical Licence No: 28/39/39/0098 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: Borehole 'b' At Poultry, London Ec2 Data Type: Point Name: HSBC BANK plc	Annual Volume (m³): 33317.6 Max Daily Volume (m³): 90.92 Original Application No: - Original Start Date: 13/6/1966 Expiry Date: - Issue No: 100 Version Start Date: 3/4/2000 Version End Date:
Not shown	1750	E	532600 181200	Status: Historical Licence No: 28/39/39/0098 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: Borehole 'd' At Poultry, London Ec2 Data Type: Point Name: HSBC BANK plc	Annual Volume (m³): 33317.6 Max Daily Volume (m³): 90.92 Original Application No: - Original Start Date: 13/6/1966 Expiry Date: - Issue No: 100 Version Start Date: 3/4/2000 Version End Date:
Not shown	1750	E	532600 181200	Status: Historical Licence No: 28/39/39/0098 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: Borehole 'a' At Poultry, London Ec2 Data Type: Point Name: HSBC BANK plc	Annual Volume (m³): 33317.6 Max Daily Volume (m³): 90.92 Original Application No: - Original Start Date: 13/6/1966 Expiry Date: - Issue No: 100 Version Start Date: 3/4/2000 Version End Date:
Not shown	1752	W	529100 181400	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	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:

ID	Distance (m)	Direction	NGR	Details	
Not shown	1752	W	529100 181400	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	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:
Not shown	1848	E	532700 181200	Status: Historical Licence No: 28/39/39/0024 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: Nine Boreholes At The Bank Of England, Threadneedle Street Data Type: Point Name: BANK OF ENGLAND	Annual Volume (m³): 36368 Max Daily Volume (m³): 127 Original Application No: - Original Start Date: 10/1/1966 Expiry Date: - Issue No: 100 Version Start Date: 9/11/1993 Version End Date:
Not shown	1848	E	532700 181200	Status: Active Licence No: 28/39/39/0024 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: Bank Of England, Threadneedle Street - Nine Boreholes Data Type: Point Name: BANK OF ENGLAND	Annual Volume (m³): 36368 Max Daily Volume (m³): 127 Original Application No: - Original Start Date: 10/1/1966 Expiry Date: - Issue No: 100 Version Start Date: 9/11/1993 Version End Date:
Not shown	1850	W	529010 181350	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	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:
Not shown	1853	W	529010 181330	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	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:
Not shown	1869	W	529000 181300	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	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:

ID	Distance (m)	Direction	NGR	Details	
Not shown	1869	W	529000 181300	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	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:
Not shown	1901	E	532800 181600	Status: Historical Licence No: 28/39/39/0129 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: Three Boreholes At Salisbury House, London Wall, London Ec2 Data Type: Point Name: MREF II Salisbury Property Limited	Annual Volume (m³): 25457 Max Daily Volume (m³): 81.8 Original Application No: NPS/WR/009934 Original Start Date: 12/6/1967 Expiry Date: - Issue No: 101 Version Start Date: 5/4/2012 Version End Date:
Not shown	1901	E	532800 181600	Status: Active Licence No: 28/39/39/0129 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: Salisbury House, London Wall, London Ec2 - Three Boreholes Data Type: Point Name: MREF II Salisbury Property Limited	Annual Volume (m³): 25457 Max Daily Volume (m³): 81.8 Original Application No: NPS/WR/009934 Original Start Date: 12/6/1967 Expiry Date: - Issue No: 101 Version Start Date: 5/4/2012 Version End Date:
Not shown	1941	E	532800 182000	Status: Historical Licence No: 28/39/39/0069 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: Borehole 'd' At Royal House, Finsbury Square, London Data Type: Point Name: ROYAL LONDON MUTUAL INS SOC LTD	Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: - Original Start Date: 13/6/1966 Expiry Date: - Issue No: 100 Version Start Date: 17/11/1995 Version End Date:
Not shown	1941	E	532800 182000	Status: Historical Licence No: 28/39/39/0069 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: Borehole 'b' At Royal London House, Finsbury Square, London Data Type: Point Name: ROYAL LONDON MUTUAL INS SOC LTD	Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: - Original Start Date: 13/6/1966 Expiry Date: - Issue No: 100 Version Start Date: 17/11/1995 Version End Date:
Not shown	1941	E	532800 182000	Status: Historical Licence No: 28/39/39/0069 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: Borehole 'c' At Royal London House, Finsbury Square, London Data Type: Point Name: ROYAL LONDON MUTUAL INS SOC LTD	Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: - Original Start Date: 13/6/1966 Expiry Date: - Issue No: 100 Version Start Date: 17/11/1995 Version End Date:

ID	Distance (m)	Direction	NGR	Details
Not shown	1945	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	1945	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	1964	S	530258 179733	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 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:
Not shown	1964	S	530258 179733	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 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:
Not shown	1969	E	532800 181100	Status: Historical Licence No: 28/39/39/0166 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: 71 Lombard Street, London - Borehole Data Type: Point Name: LLOYDS TSB BANK PLC Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: - Original Start Date: 25/3/1982 Expiry Date: - Issue No: 100 Version Start Date: 6/4/2000 Version End Date:
Not shown	1969	E	532800 181100	Status: Historical Licence No: 28/39/39/0166 Details: Hydraulic Testing Direct Source: Thames Groundwater Point: 71 Lombard Street, London - Borehole Data Type: Point Name: LLOYDS TSB BANK PLC Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: - Original Start Date: 25/3/1982 Expiry Date: - Issue No: 100 Version Start Date: 6/4/2000 Version End Date:

ID	Distance (m)	Direction	NGR	Details
Not shown	1975	S	530230 179730	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 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:
Not shown	1975	S	530230 179730	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 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:
Not shown	1975	S	530230 179730	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 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:
Not shown	1975	S	530230 179730	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 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:
Not shown	1975	S	530230 179730	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 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:
Not shown	1975	S	530230 179730	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 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:

ID	Distance (m)	Direction	NGR	Details	
Not shown	1975	S	530230 179730	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	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:
Not shown	1975	S	530230 179730	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	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:
Not shown	1976	SE	532700 180800	Status: Historical Licence No: 28/39/39/0094 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: Borehole At 98/106 Cannon Street, London Ec4 Data Type: Point Name: ASGARD ESTATES LTD	Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: - Original Start Date: 13/6/1966 Expiry Date: - Issue No: 100 Version Start Date: 20/2/1990 Version End Date:
Not shown	1979	E	532810 181100	Status: Active Licence No: 28/39/39/0166 Details: Hydraulic Testing Direct Source: Thames Groundwater Point: 71 Lombard Street- Borehole A Data Type: Point Name: Ashton Global Investments Ltd	Annual Volume (m³): 6819 Max Daily Volume (m³): 250.94 Original Application No: NPS/WR/001299 Original Start Date: 25/3/1982 Expiry Date: - Issue No: 102 Version Start Date: 24/6/2009 Version End Date:
Not shown	1979	E	532810 181100	Status: Active Licence No: 28/39/39/0166 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: 71 Lombard Street- Borehole A Data Type: Point Name: Ashton Global Investments Ltd	Annual Volume (m³): 6819 Max Daily Volume (m³): 250.94 Original Application No: NPS/WR/001299 Original Start Date: 25/3/1982 Expiry Date: - Issue No: 102 Version Start Date: 24/6/2009 Version End Date:
Not shown	1989	S	530231 179715	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	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:
Not shown	1989	S	530231 179715	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	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:

ID	Distance (m)	Direction	NGR	Details	
Not shown	1994	N	531022 183681	Status: Active Licence No: TH/039/0039/057 Details: Potable Water Supply - Direct Direct Source: Thames Groundwater Point: Borehole At Barnard Park Data Type: Point Name: THAMES WATER UTILITIES LTD	Annual Volume (m³): 914544 Max Daily Volume (m³): 3024 Original Application No: NPS/WR/009227 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	1997	S	530220 179710	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	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:
Not shown	1997	S	530220 179710	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	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:
Not shown	1997	S	530220 179710	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	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:
Not shown	1997	S	530220 179710	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	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:
Not shown	1997	S	530220 179710	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	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:

ID	Distance (m)	Direction	NGR	Details	
Not shown	1997	S	530220 179710	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	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:
Not shown	1997	S	530220 179710	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	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:
Not shown	1997	S	530220 179710	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	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:

6.4 Surface Water Abstraction Licences

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

The following Surface Water 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	1794	NE	532100 183000	Status: Active Licence No: 28/39/39/0164 Details: Non-Evaporative Cooling Direct Source: Thames Surface Water - Non Tidal Point: City Road Basin, Wharf Road, N1 - Regents Canal Data Type: Point Name: Canal and River Trust	Annual Volume (m³): 7010000 Max Daily Volume (m³): 19520 Application No: - Original Start Date: 18/7/1980 Expiry Date: - Issue No: 101 Version Start Date: 17/12/2007 Version End Date:
Not shown	1904	N	530310 183520	Status: Active Licence No: 28/39/39/0164 Details: Non-Evaporative Cooling Direct Source: Thames Surface Water - Non Tidal Point: Maiden Lane Bridge, London, Nw1 - Regents Canal Data Type: Point Name: Canal and River Trust	Annual Volume (m³): 7010000 Max Daily Volume (m³): 19520 Application No: - Original Start Date: 18/7/1980 Expiry Date: - Issue No: 101 Version Start Date: 17/12/2007 Version End Date:

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	649	S	531050 180980	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	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:
2	650	SE	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: Version End Date:
Not shown	652	S	531060 180980	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	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:
Not shown	655	S	531030 180970	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	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:
Not shown	816	S	531000 180800	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	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:

ID	Distance (m)	Direction	NGR	Details	
Not shown	816	S	531000 180800	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	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:
Not shown	816	S	531000 180800	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	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:
Not shown	903	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: Version End Date:
Not shown	931	SE	531500 180900	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	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:
Not shown	1143	N	531280 182760	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	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:
Not shown	1145	N	531239 182777	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	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:
Not shown	1201	SE	531950 181030	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	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:

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Client Reference: EMS_414680_554131

ID	Distance (m)	Direction	NGR	Details	
Not shown	1201	SE	531950 181030	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	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:
Not shown	1220	E	532100 181400	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	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:
Not shown	1241	E	532100 181300	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	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:
Not shown	1284	E	532160 181370	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	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:
Not shown	1299	E	532160 181300	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	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:
Not shown	1328	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	1339	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:

Report Reference: EMS-414680_554131
Client Reference: EMS_414680_554131

ID	Distance (m)	Direction	NGR	Details	
Not shown	1339	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	1339	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	1339	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	1339	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	1339	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:
Not shown	1400	SE	531600 180400	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	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:
Not shown	1400	SE	531600 180400	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	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:

Report Reference: EMS-414680_554131
Client Reference: EMS_414680_554131

ID	Distance (m)	Direction	NGR	Details	
Not shown	1414	SW	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: Version End Date:
Not shown	1572	SE	532300 180900	Status: Historical Licence No: 28/39/39/0071 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: Borehole At Beaver House, Great Trinity Street, London Ec4 Data Type: Point Name: DTZ DEBENHAM TIE LEUNG LIMITED	Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: - Original Start Date: 13/6/1966 Expiry Date: - Issue No: 101 Version Start Date: Version End Date:
Not shown	1750	E	532600 181200	Status: Historical Licence No: 28/39/39/0098 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: Borehole 'd' At Poultry, London Ec2 Data Type: Point Name: HSBC BANK plc	Annual Volume (m³): 33317.6 Max Daily Volume (m³): 90.92 Original Application No: - Original Start Date: 13/6/1966 Expiry Date: - Issue No: 100 Version Start Date: Version End Date:
Not shown	1750	E	532600 181200	Status: Historical Licence No: 28/39/39/0098 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: Borehole 'b' At Poultry, London Ec2 Data Type: Point Name: HSBC BANK plc	Annual Volume (m³): 33317.6 Max Daily Volume (m³): 90.92 Original Application No: - Original Start Date: 13/6/1966 Expiry Date: - Issue No: 100 Version Start Date: Version End Date:
Not shown	1750	E	532600 181200	Status: Historical Licence No: 28/39/39/0098 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: Borehole 'a' At Poultry, London Ec2 Data Type: Point Name: HSBC BANK plc	Annual Volume (m³): 33317.6 Max Daily Volume (m³): 90.92 Original Application No: - Original Start Date: 13/6/1966 Expiry Date: - Issue No: 100 Version Start Date: Version End Date:
Not shown	1750	E	532600 181200	Status: Historical Licence No: 28/39/39/0098 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: Borehole 'c' At Poultry, London Ec2 Data Type: Point Name: HSBC BANK plc	Annual Volume (m³): 33317.6 Max Daily Volume (m³): 90.92 Original Application No: - Original Start Date: 13/6/1966 Expiry Date: - Issue No: 100 Version Start Date: Version End Date:



Report Reference: EMS-414680_554131
Client Reference: EMS_414680_554131

ID	Distance (m)	Direction	NGR	Details	
Not shown	1752	W	529100 181400	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	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:
Not shown	1752	W	529100 181400	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	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:
Not shown	1848	E	532700 181200	Status: Historical Licence No: 28/39/39/0024 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: Nine Boreholes At The Bank Of England, Threadneedle Street Data Type: Point Name: BANK OF ENGLAND	Annual Volume (m³): 36368 Max Daily Volume (m³): 127 Original Application No: - Original Start Date: 10/1/1966 Expiry Date: - Issue No: 100 Version Start Date: Version End Date:
Not shown	1848	E	532700 181200	Status: Active Licence No: 28/39/39/0024 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: Bank Of England, Threadneedle Street - Nine Boreholes Data Type: Point Name: BANK OF ENGLAND	Annual Volume (m³): 36368 Max Daily Volume (m³): 127 Original Application No: - Original Start Date: 10/1/1966 Expiry Date: - Issue No: 100 Version Start Date: Version End Date:
Not shown	1850	W	529010 181350	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	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:
Not shown	1853	W	529010 181330	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	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:

ID	Distance (m)	Direction	NGR	Details	
Not shown	1869	W	529000 181300	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	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:
Not shown	1869	W	529000 181300	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	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:
Not shown	1901	E	532800 181600	Status: Active Licence No: 28/39/39/0129 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: Salisbury House, London Wall, London Ec2 - Three Boreholes Data Type: Point Name: MREF II Salisbury Property Limited	Annual Volume (m³): 25457 Max Daily Volume (m³): 81.8 Original Application No: NPS/WR/009934 Original Start Date: 12/6/1967 Expiry Date: - Issue No: 101 Version Start Date: Version End Date:
Not shown	1901	E	532800 181600	Status: Historical Licence No: 28/39/39/0129 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: Three Boreholes At Salisbury House, London Wall, London Ec2 Data Type: Point Name: MREF II Salisbury Property Limited	Annual Volume (m³): 25457 Max Daily Volume (m³): 81.8 Original Application No: NPS/WR/009934 Original Start Date: 12/6/1967 Expiry Date: - Issue No: 101 Version Start Date: Version End Date:
Not shown	1941	E	532800 182000	Status: Historical Licence No: 28/39/39/0069 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: Borehole 'c' At Royal London House, Finsbury Square, London Data Type: Point Name: ROYAL LONDON MUTUAL INS SOC LTD	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:
Not shown	1941	E	532800 182000	Status: Historical Licence No: 28/39/39/0069 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: Borehole 'b' At Royal London House, Finsbury Square, London Data Type: Point Name: ROYAL LONDON MUTUAL INS SOC LTD	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:

ID	Distance (m)	Direction	NGR	Details
Not shown	1941	E	532800 182000	Status: Historical Licence No: 28/39/39/0069 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: Borehole 'd' At Royal House, Finsbury Square, London Data Type: Point Name: ROYAL LONDON MUTUAL INS SOC LTD 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:
Not shown	1945	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: Version End Date:
Not shown	1945	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: Version End Date:
Not shown	1964	S	530258 179733	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 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:
Not shown	1969	E	532800 181100	Status: Historical Licence No: 28/39/39/0166 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: 71 Lombard Street, London - Borehole Data Type: Point Name: LLOYDS TSB BANK PLC Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: - Original Start Date: 25/3/1982 Expiry Date: - Issue No: 100 Version Start Date: Version End Date:
Not shown	1975	S	530230 179730	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 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:

ID	Distance (m)	Direction	NGR	Details
Not shown	1975	S	530230 179730	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 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:
Not shown	1975	S	530230 179730	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 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:
Not shown	1975	S	530230 179730	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 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:
Not shown	1976	SE	532700 180800	Status: Historical Licence No: 28/39/39/0094 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: Borehole At 98/106 Cannon Street, London Ec4 Data Type: Point Name: ASGARD ESTATES LTD 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:
Not shown	1979	E	532810 181100	Status: Active Licence No: 28/39/39/0166 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: 71 Lombard Street- Borehole A Data Type: Point Name: Ashton Global Investments Ltd Annual Volume (m³): 6819 Max Daily Volume (m³): 250.94 Original Application No: NPS/WR/001299 Original Start Date: 25/3/1982 Expiry Date: - Issue No: 102 Version Start Date: Version End Date:
Not shown	1989	S	530231 179715	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 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:

					
ID	Distance (m)	Direction	NGR	Details	
Not shown	1994	N	531022 183681	Status: Active Licence No: TH/039/0039/057 Details: Potable Water Supply - Direct Direct Source: Thames Groundwater Point: Borehole At Barnard Park Data Type: Point Name: THAMES WATER UTILITIES LTD	Annual Volume (m³): 914544 Max Daily Volume (m³): 3024 Original Application No: NPS/WR/009227 Original Start Date: 1/4/2013 Expiry Date: 31/3/2025 Issue No: 1 Version Start Date: Version End Date:
Not shown	1997	S	530220 179710	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	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:
Not shown	1997	S	530220 179710	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	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:
Not shown	1997	S	530220 179710	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	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:
Not shown	1997	S	530220 179710	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	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:

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/Natural Resources Wales 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.

6.9 River Quality

Is there any Environment Agency/Natural Resources Wales 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.

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):

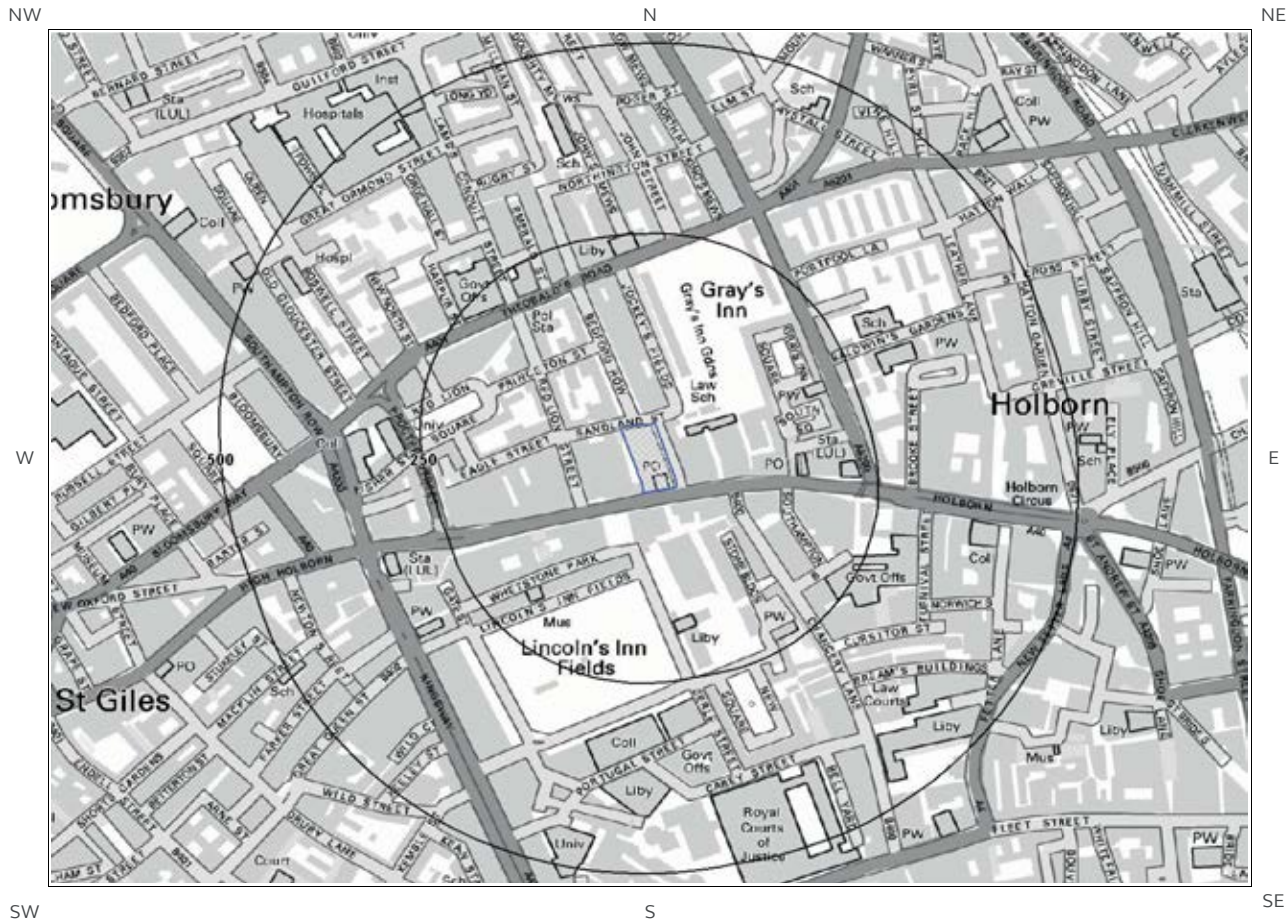
ID	Distance (m)	Direction	Details	
1	190	E	River Name: - Welsh River Name: - Alternative Name: -	River Type: Culvert Main River Status: Currently Undefined
2	276	SW	River Name: - Welsh River Name: - Alternative Name: -	River Type: Culvert Main River Status: Currently Undefined

6.11 Surface Water Features

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

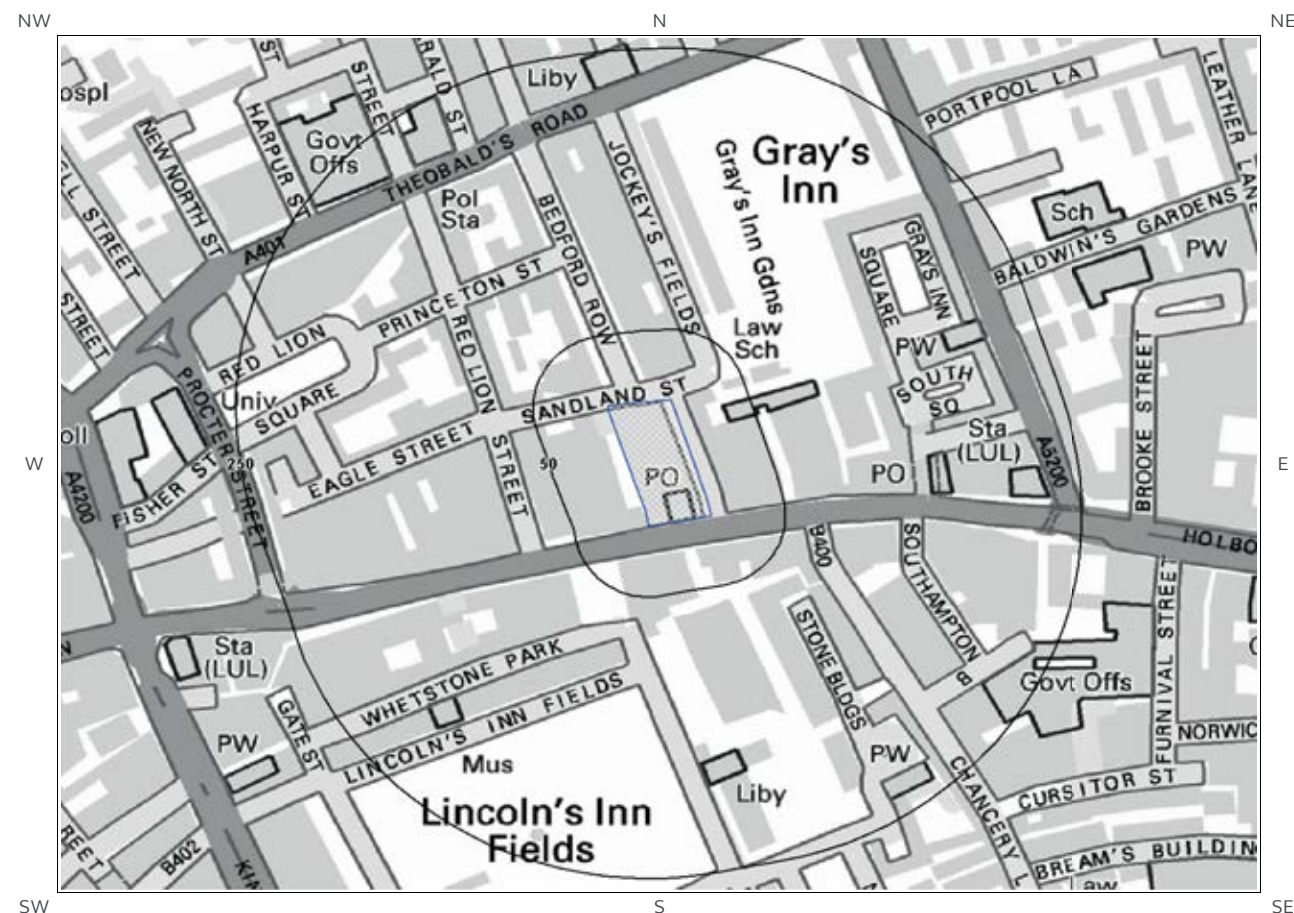
No

Database searched and no data found.

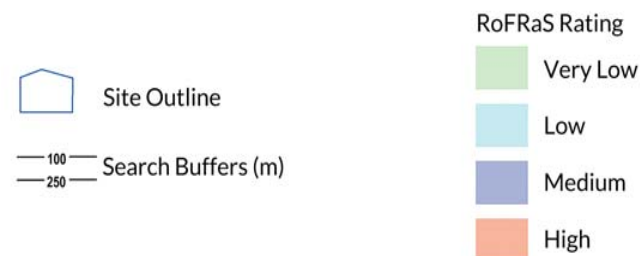


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7b. Environment Agency/Natural Resources Wales Risk of Flooding from Rivers and the Sea (RoFRaS) Map



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7 Flooding

7.1 River and Coastal Zone 2 Flooding

Is the site within 250m of an Environment Agency/Natural Resources Wales Zone 2 floodplain? No

Environment Agency/Natural Resources Wales 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/Natural Resources Wales 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/Natural Resources Wales 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

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 below Surface

Where potential for groundwater flooding of property situated below ground level is indicated, this means that given the geological conditions there may be a groundwater flooding hazard to basements and other below surface infrastructure. Unless other relevant information, e.g. records of previous flooding, suggests groundwater flooding has occurred before in this area you need take no further action in relation to groundwater flooding hazard. If there are records of previous incidences of groundwater flooding, then is recommended that other information e.g. rainfall history, property type, and land drainage information in addition to previous records of flooding be investigated in order to establish relative, but not absolute, risk of groundwater flooding.

7.8 Groundwater Flooding Confidence Areas

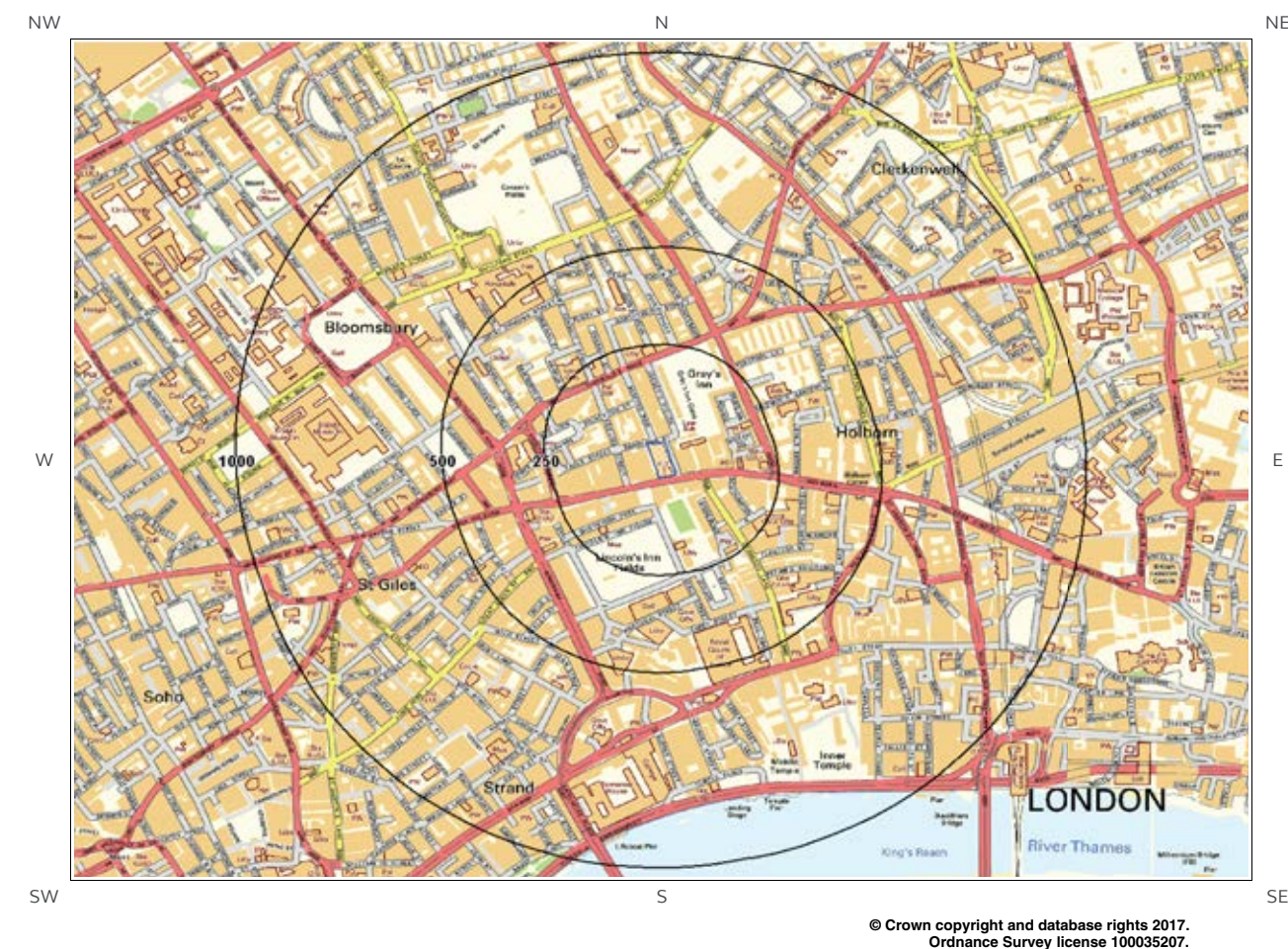
What is the British Geological Survey confidence rating in this result?

High

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



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:

Database searched and no data found.

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

Database searched and no data found.

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

Database searched and no data found.

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

Database searched and no data found.

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

Database searched and no data found.

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

Database searched and no data found.

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

The following Local Nature Reserve (LNR) records provided by Natural England/Natural Resources Wales are represented as polygons on the Designated Environmentally Sensitive Sites Map:

ID	Distance (m)	Direction	LNR Name	Data Source
Not shown	1862	NW	Camley Street Nature Park	Natural England

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

Database searched and no data found.

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

Database searched and no data found.

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

Database searched and no data found.

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

Database searched and no data found.

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

Database searched and no data found.

0

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

Database searched and no data found.

0

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

Database searched and no data found.

0

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 Geo Insight, 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.

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.

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

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Site Details:

High Holborn Estate

Client Ref: EMS_414680_554129
Report Ref: EMS-414680_554129
Grid Ref: 530864, 181648

Map Name: 1056 Scale Town Plan

Map date: 1875

Scale: 1:1,056

Printed at: 1:1,056



Surveyed 1872
Revised N/A
Edition 1875
Copyright N/A
Levelled N/A



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High Holborn Estate

Client Ref: EMS_414680_554129
Report Ref: EMS-414680_554129
Grid Ref: 530864, 181648

Map Name: 1056 Scale Town Plan

Map date: 1875

Scale: 1:1,056

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Site Details:

High Holborn Estate

Client Ref: EMS_414680_554129
Report Ref: EMS-414680_554129
Grid Ref: 530864, 181648

Map Name: County Series

Map date: 1878

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1873
Revised N/A
Edition N/A
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Site Details:

High Holborn Estate

Client Ref: EMS_414680_554129
Report Ref: EMS-414680_554129
Grid Ref: 530864, 181648

Map Name: 1056 Scale Town Plan

Map date: 1896

Scale: 1:1,056

Printed at: 1:1,056



Surveyed 1894
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Edition 1896
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Site Details:

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Client Ref: EMS_414680_554129
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Grid Ref: 530864, 181648

Map Name: County Series

Map date: 1896

Scale: 1:2,500

Printed at: 1:2,500



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Edition 1896
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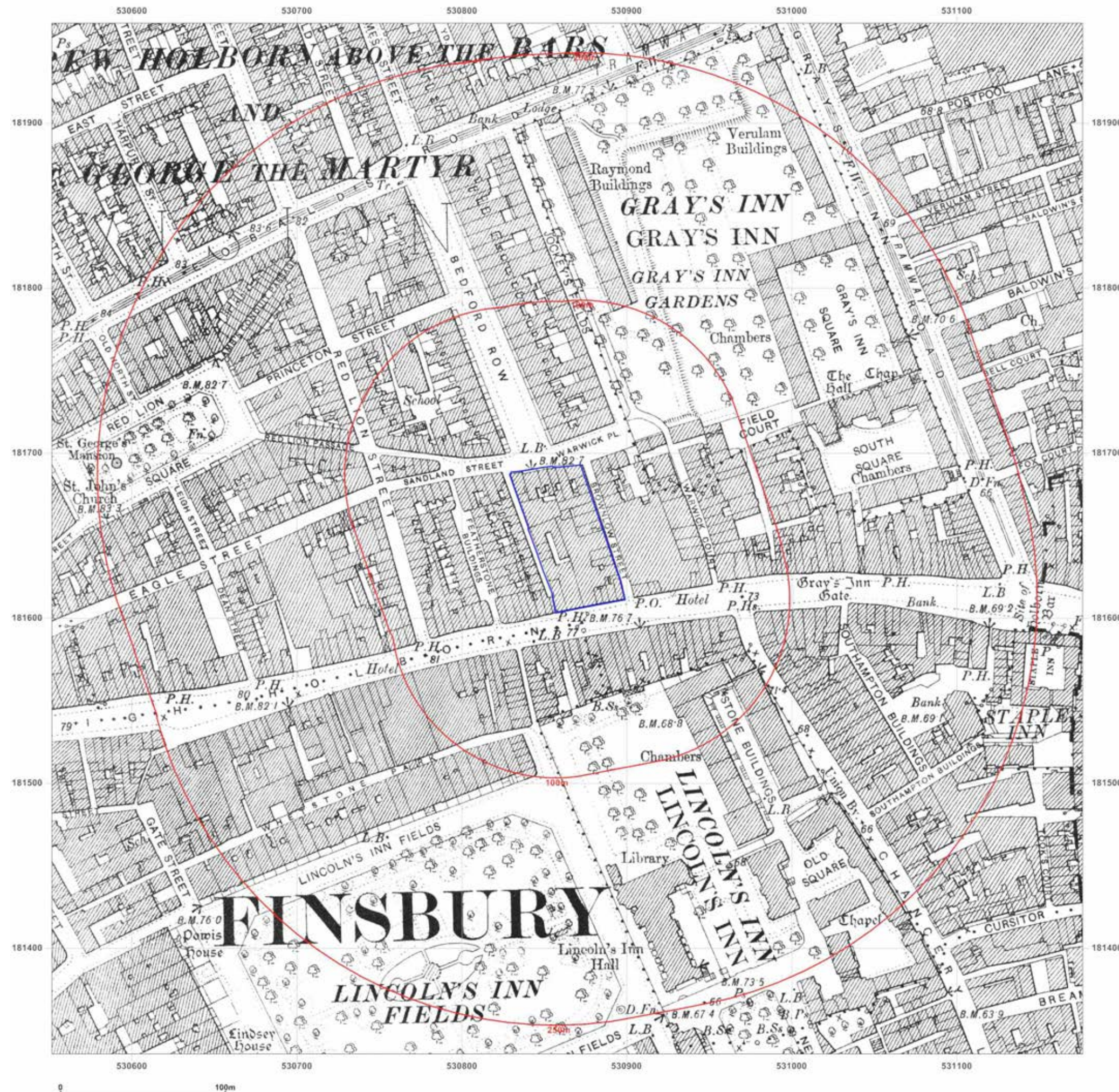


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Grid Ref: 530864, 181648

Map Name: County Series

Map date: 1916

Scale: 1:2,500

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Report Ref: EMS-414680_554129
Grid Ref: 530864, 181648

Map Name: National Grid

Map date: 1951

Scale: 1:1,250

Printed at: 1:2,000



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Client Ref: EMS_414680_554129

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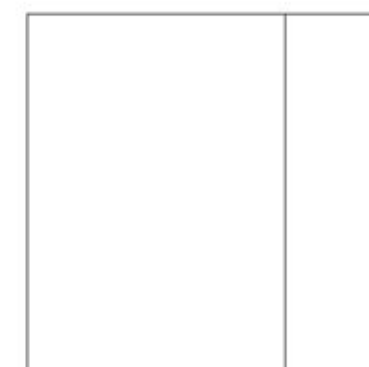
Grid Ref: 530864, 181648

Map Name: National Grid

Map date: 1951

Scale: 1:2,500

Printed at: 1:2,500



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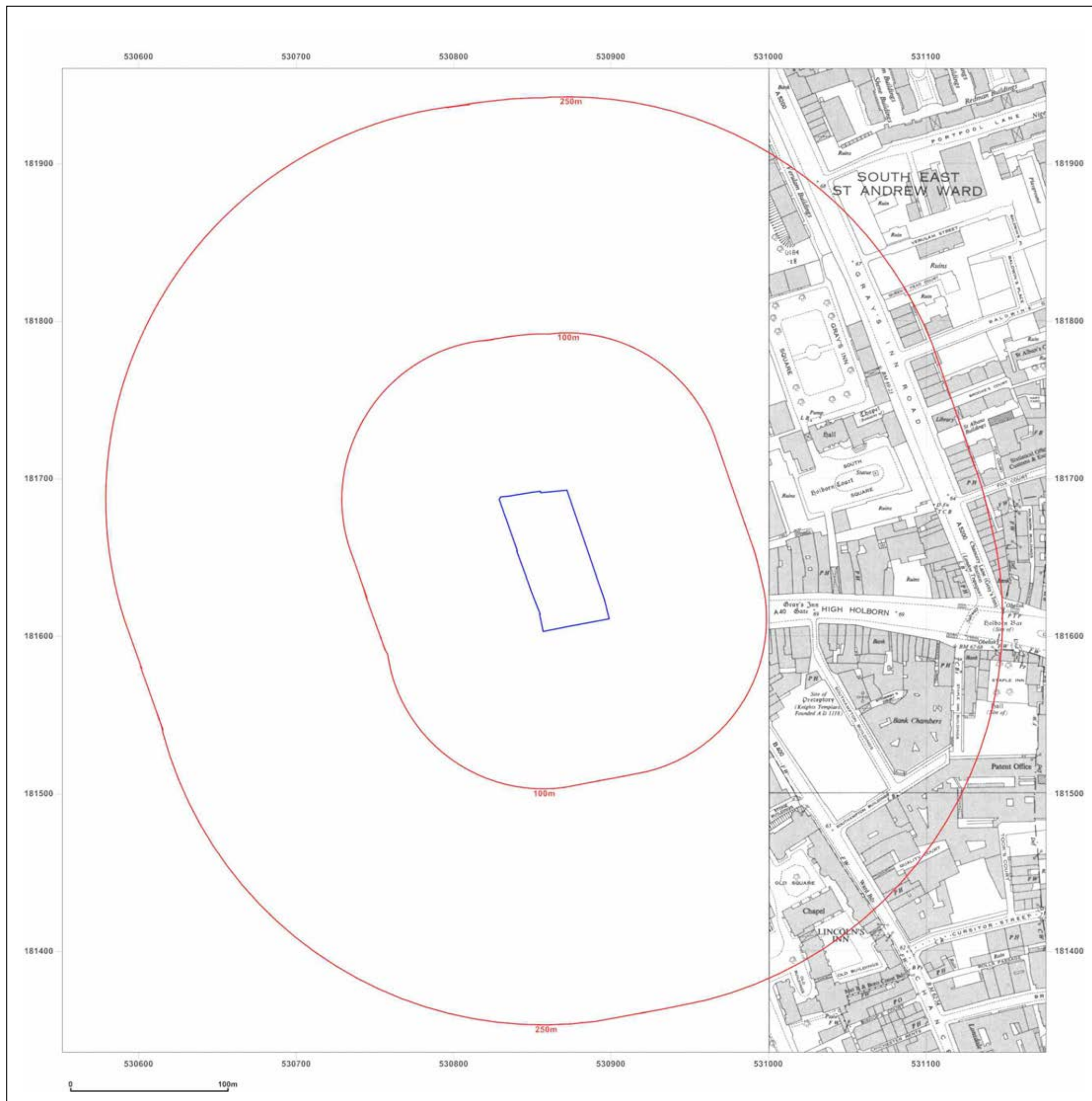


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High Holborn Estate

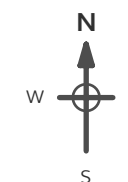
Client Ref: EMS_414680_554129
Report Ref: EMS-414680_554129
Grid Ref: 530864, 181648

Map Name: National Grid

Map date: 1952-1953

Scale: 1:1,250

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