

## **APPENDIX 2 – GROUNDSURE REPORTS**



Jomas Associates Ltd

Lakeside House, 1 Furzeground Way,  
Stockley Park, UB11 1BD

Groundsure Reference: HMD-377-4439259

Your Reference: P1207J1245-1

Report Date 3 Nov 2017

Report Delivery Method: Email - pdf

## Enviro Insight

Address: 38, GLENLOCH ROAD, LONDON, NW3 4DN

Dear Sir/ Madam,

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

If you need any further assistance, please do not hesitate to contact our helpline on +44843 289 2187 quoting the above report reference number.

Yours faithfully,

Jomas Associates Ltd

Enc.  
Groundsure Enviroinsight

Address: 38, GLENLOCH ROAD, LONDON, NW3 4DN

Date: 3 Nov 2017

Reference: HMD-377-4439259

Client: Jomas Associates Ltd



Aerial Photograph Capture date: 07-Jun-2015

Grid Reference: 527165,184970

Site Size: 0.01ha

Report Reference: HMD-377-4439259

Client Reference: P1207J1245-1

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# Overview of Findings

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

Section 1: Historical Industrial Sites	On-site	0-50	51-250	251-500
1.1 Potentially Contaminative Uses identified from 1:10,000 scale mapping	0	0	20	38
1.2 Additional Information – Historical Tank Database	0	0	3	18
1.3 Additional Information – Historical Energy Features Database	0	0	27	51
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	4	14
1.6 Potentially Infilled Land	0	0	9	17
Section 2: Environmental Permits, Incidents and Registers	On-site	0-50m	51-250	251-500
2.1 Industrial Sites Holding Environmental Permits and/or Authorisations				
2.1.1 Records of historic IPC Authorisations	0	0	0	0
2.1.2 Records of Part A(1) and IPPC Authorised Activities	0	0	0	0
2.1.3 Records of Red List Discharge Consents	0	0	0	0
2.1.4 Records of List 1 Dangerous Substances Inventory sites	0	0	0	0
2.1.5 Records of List 2 Dangerous Substances Inventory sites	0	0	0	0
2.1.6 Records of Part A(2) and Part B Activities and Enforcements	0	0	5	3
2.1.7 Records of Category 3 or 4 Radioactive Substances Authorisations	0	0	0	34
2.1.8 Records of Licensed Discharge Consents	0	0	0	0
2.1.9 Records of Water Industry Referrals	0	0	0	0
2.1.10 Records of Planning Hazardous Substance Consents and Enforcements within 500m of the study site	0	0	0	0
2.2 Records of COMAH and NIHHS sites	0	0	0	0
2.3 Environment Agency/Natural Resources Wales Recorded Pollution Incidents				
2.3.1 National Incidents Recording System, List 2	0	0	0	1
2.3.2 National Incidents Recording System, List 1	0	0	0	0
2.4 Sites Determined as Contaminated Land under Part 2A EPA 1990	0	0	0	0

Section 3: Landfill and Other Waste Sites	On-site	0-50m	51-250	251-500	501-1000	1000-1500
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### 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	0	0	1
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	4	Not searched	Not searched
3.2.2 Environment Agency/Natural Resources Wales Licensed Waste Sites	0	0	0	0	0	0

Section 4: Current Land Use	On-site	0-50m	51-250	251-500
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4.1 Current Industrial Sites Data	0	1	13	Not searched
4.2 Records of Petrol and Fuel Sites	0	0	1	0
4.3 National Grid Underground Electricity Cables	0	0	4	8
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?

None

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?

No

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	4	9
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	0	5
6.6 Source Protection Zones (within 500m of the study site)	0	0	0	1	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)	0	0	0	1	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	1	0	0	Not searched	Not searched
6.11 Surface water features within 250m of the study site	No	No	No	Not searched	Not searched	Not searched

## Section 7: Flooding

7.1 Are there any Environment Agency Zone 2 floodplains within 250m of the study site?	No					
7.2 Are there any Environment Agency/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?	Not Prone					
7.8 What is the BGS confidence rating for the Groundwater Flooding susceptibility areas?	Not Applicable					

## 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	1
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	2
8.7 Records of Local Nature Reserves (LNR)	0	0	0	1	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

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?	Negligible
9.2 Radon	
9.2.1 Is the property in a Radon Affected Area as defined by the Health Protection Agency (HPA) and if so what percentage of homes are above the Action Level?	The property is not in a Radon Affected Area, as less than 1% of properties are above the Action Level.
9.2.2 Is the property in an area where Radon Protection are required for new properties or extensions to existing ones as described in publication BR211 by the Building Research Establishment?	No radon protective measures are necessary.

Section 10: Mining	
10.1 Are there any coal mining areas within 75m of the study site?	No
10.2 Are there any Non-Coal Mining areas within 50m of the study site boundary?	No
10.3 Are there any brine affected areas within 75m of the study site?	No

# Using this report

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

## 1. Historical Industrial Sites

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

## 2. Environmental Permits, Incidents and Registers

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

## 3. Landfills and Other Waste Sites

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

## 4. Current Land Uses

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

## 5. Geology

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

## 6. Hydrogeology and Hydrology

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

## 7. Flooding

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

## 8. Designated Environmentally Sensitive Sites

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

## 9. Natural Hazards

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

## 10. Mining

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

## 11. Contacts

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

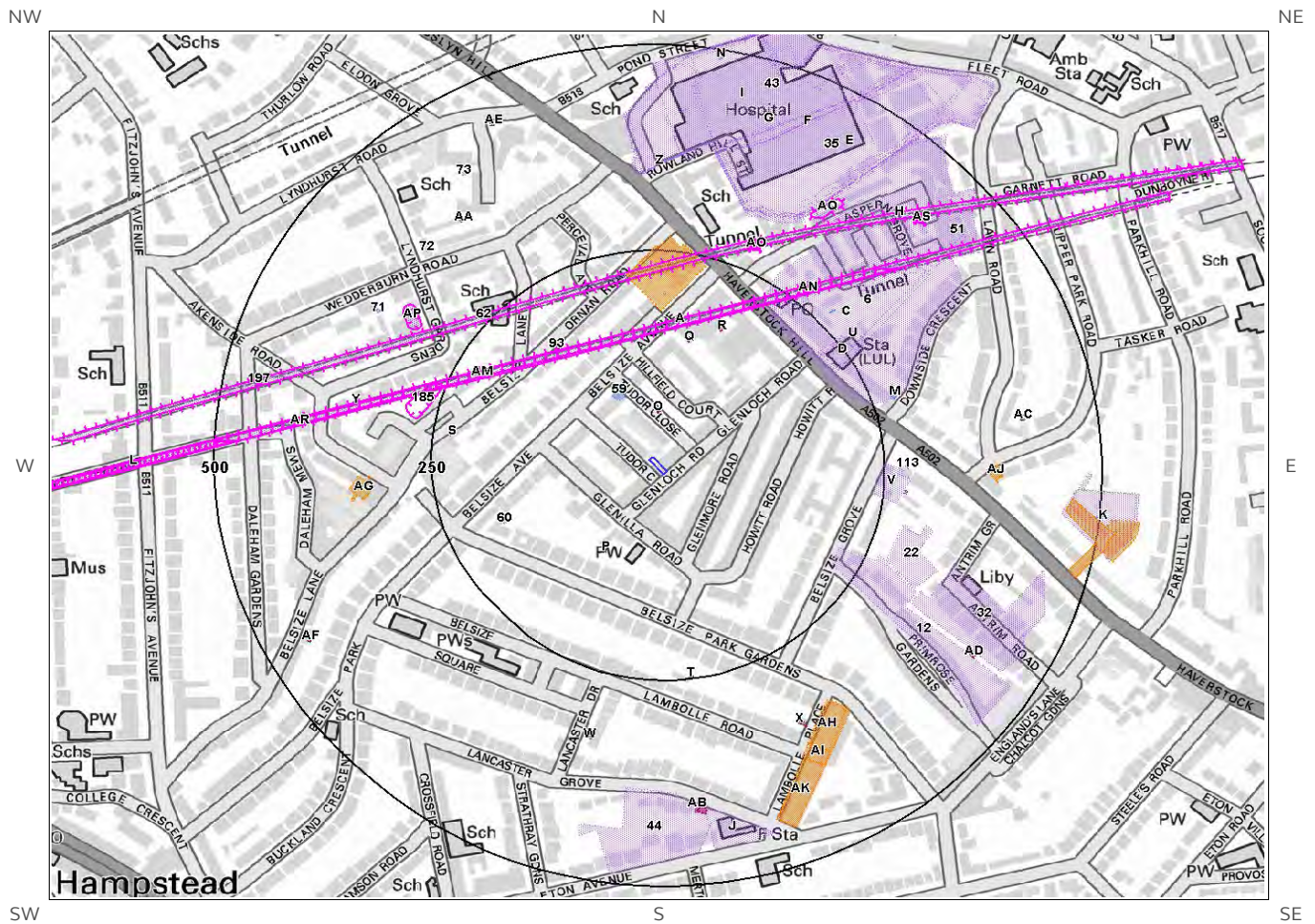
## Note: Maps

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

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

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

# 1. Historical Land Use



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# 1. Historical Industrial Sites

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

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

Records of sites with a potentially contaminative past land use within 500m of the search boundary: 58

ID	Distance [m]	Direction	Use	Date
1AM	144	N	Tunnel	1866
2A	145	N	Tunnel	1958
3A	145	N	Tunnel	1974
4A	145	N	Tunnel	1996
5A	145	N	Tunnel	1965
6	211	NE	Nursery	1958
7B	214	N	Tunnel	1996
8B	214	N	Tunnel	1974
9B	214	N	Tunnel	1965
10B	214	N	Tunnel	1958
11C	215	NE	Nursery	1894
12	218	SE	Nursery	1894
13C	219	NE	Nursery	1920
14D	222	NE	London Transport Station	1965
15D	222	NE	London Transport Station	1996
16D	222	NE	London Transport Station	1974
17D	222	NE	Unspecified Station	1958
18D	223	NE	Unspecified Station	1949
19D	225	NE	Unspecified Station	1920
20V	237	E	Hospital	1973
21AN	265	NE	Unspecified Shaft	1866
22	274	SE	Nursery	1920
23AP	308	NW	Unspecified Pit	1866
24F	311	N	Fever Hospital	1911
25E	316	N	Fever Hospital	1938
26E	317	N	Fever Hospital	1938
27F	318	N	Fever Hospital	1894
28H	318	NE	Nursery	1938
29E	318	N	Fever Hospital	1949
30E	318	N	Hospital	1958
31G	319	N	Hospital	1996
32	322	SE	Nursery	1866
33E	322	N	Fever Hospital	1920
34G	323	N	Hospital	1974



35	326	NE	Hospital	1965
36H	338	NE	Nursery	1920
37I	341	N	Hospital	1938
38I	342	N	Hospital	1938
39I	344	N	Hospital	1965
40I	344	N	Hospital	1949
41I	344	N	Hospital	1958
42AQ	344	NE	Unspecified Ground Workings	1949
43	370	N	Hospital	1920
44	383	S	Sawmill	1894
45AR	402	W	Unspecified Shaft	1866
46J	405	S	Fire Station	1989
47J	405	S	Fire Station	1973
48J	405	S	Fire Station	1968
49J	405	S	Fire Station	1957
50J	405	S	Fire Station	1948
51	428	NE	Nursery	1938
52K	456	E	Nursery	1920
53K	456	E	Nursery	1938
54K	464	E	Nursery	1948
55L	480	W	Tunnels	1968
56L	480	W	Tunnels	1973
57L	480	W	Tunnels	1989
58L	480	W	Tunnels	1957

## 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:

21

ID	Distance (m)	Direction	Use	Date
59	79	NW	Unspecified Tank	1871
60	179	SW	Unspecified Tank	1935
61B	197	N	Unspecified Tank	1871
62	254	NW	Unspecified Tank	1935
63C	267	NE	Tanks	1953
64C	267	NE	Tanks	1966
65C	267	NE	Tanks	1953
66C	267	NE	Tanks	1965
67M	272	E	Unspecified Tank	1953
68M	272	E	Unspecified Tank	1965



69M	272	E	Unspecified Tank	1953
70M	272	E	Unspecified Tank	1966
71	358	NW	Unspecified Tank	1871
72	359	NW	Unspecified Tank	1870
73	404	NW	Unspecified Tank	1896
74N	488	N	Unspecified Tank	1985
75N	488	N	Unspecified Tank	1989
76N	488	N	Unspecified Tank	1991
77N	488	N	Unspecified Tank	1991
78N	491	N	Unspecified Tank	1974
79K	496	E	Unspecified Tank	1896

### 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:

78

ID	Distance (m)	Direction	Use	Date
80O	54	N	Electricity Substation	1974
81O	54	N	Electricity Substation	1989
82O	54	N	Electricity Substation	1991
83O	54	N	Electricity Substation	1991
84O	54	N	Electricity Substation	1985
85P	112	SW	Electricity Substation	1969
86P	112	SW	Electricity Substation	1991
87P	112	SW	Electricity Substation	1990
88Q	145	N	Electricity Substation	1974
89Q	145	N	Electricity Substation	1989
90Q	145	N	Electricity Substation	1985
91Q	145	N	Electricity Substation	1991
92Q	145	N	Electricity Substation	1991
93	170	NW	Electricity Substation	1974
94R	171	NE	Electricity Substation	1953
95R	171	NE	Electricity Substation	1974
96R	171	NE	Electricity Substation	1953
97R	171	NE	Electricity Substation	1989
98R	171	NE	Electricity Substation	1985
99R	171	NE	Electricity Substation	1991
100R	171	NE	Electricity Substation	1991
101S	227	W	Electricity Substation	1991
102S	227	W	Electricity Substation	1991
103S	227	W	Electricity Substation	1986

104T	243	S	Electricity Substation	1990
105T	243	S	Electricity Substation	1991
106T	244	S	Electricity Substation	1969
107U	267	NE	Electricity Substation	1974
108U	267	NE	Electricity Substation	1989
109U	267	NE	Electricity Substation	1985
110U	267	NE	Electricity Substation	1991
111U	267	NE	Electricity Substation	1991
112V	273	E	Electricity Substation	1969
113	274	E	Electricity Substation	1969
114W	328	S	Electricity Substation	1990
115W	328	S	Electricity Substation	1991
116X	335	SE	Electricity Substation	1991
117X	335	SE	Electricity Substation	1990
118X	336	SE	Electricity Substation	1969
119Y	342	W	Electricity Substation	1991
120Y	342	W	Electricity Substation	1986
121Y	343	W	Electricity Substation	1977
122Y	343	W	Electricity Substation	1991
123Z	353	N	Electricity Substation	1953
124Z	353	N	Electricity Substation	1974
125Z	353	N	Electricity Substation	1953
126Z	354	N	Electricity Substation	1985
127Z	354	N	Electricity Substation	1989
128Z	354	N	Electricity Substation	1991
129Z	354	N	Electricity Substation	1991
130AA	359	NW	Electricity Substation	1953
131AA	359	NW	Electricity Substation	1953
132AB	402	S	Electricity Substation	1969
133AB	403	S	Electricity Substation	1990
134AB	403	S	Electricity Substation	1991
135AB	404	S	Electricity Substation	1953
136AB	404	S	Electricity Substation	1953
137AC	410	E	Electricity Substation	1981
138AC	410	E	Electricity Substation	1991
139AC	411	E	Electricity Substation	1974
140AC	411	E	Electricity Substation	1993
141AD	412	SE	Electricity Substation	1995
142AD	412	SE	Electricity Substation	1991
143AD	412	SE	Electricity Substation	1995
144AD	413	SE	Electricity Substation	1973
145AD	413	SE	Electricity Substation	1991
146AD	413	SE	Electricity Substation	1991
147AE	441	NW	Electricity Substation	1977
148AE	441	NW	Electricity Substation	1986
149AE	441	NW	Electricity Substation	1991

150AE	441	NW	Electricity Substation	1991
151AF	443	SW	Electricity Substation	1955
152AF	443	SW	Electricity Substation	1991
153AF	443	SW	Electricity Substation	1985
154AF	444	SW	Electricity Substation	1953
155AF	444	SW	Electricity Substation	1967
156AF	444	SW	Electricity Substation	1994
157AF	444	SW	Electricity Substation	

## 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: 18

ID	Distance (m)	Direction	Use	Date
158B	177	N	Garage	1966
159B	177	N	Garage	1953
160B	178	N	Garage	1953
161B	178	N	Garage	1965
162AG	317	W	Garage	1955
163AG	317	W	Garage	1953
164AH	332	SE	Garages	1935
165AH	333	SE	Garages	1953
166AI	366	SE	Garage	1953
167AI	367	SE	Garage	1953
168AJ	367	E	Garage	1952
169AJ	368	E	Garage	1953
170AK	379	SE	Garages	1969
171AK	379	SE	Garages	1953
172AK	380	SE	Garages	1953
173AL	460	E	Garage	1952
174AL	460	E	Garage	1973
175AL	460	E	Garage	1963

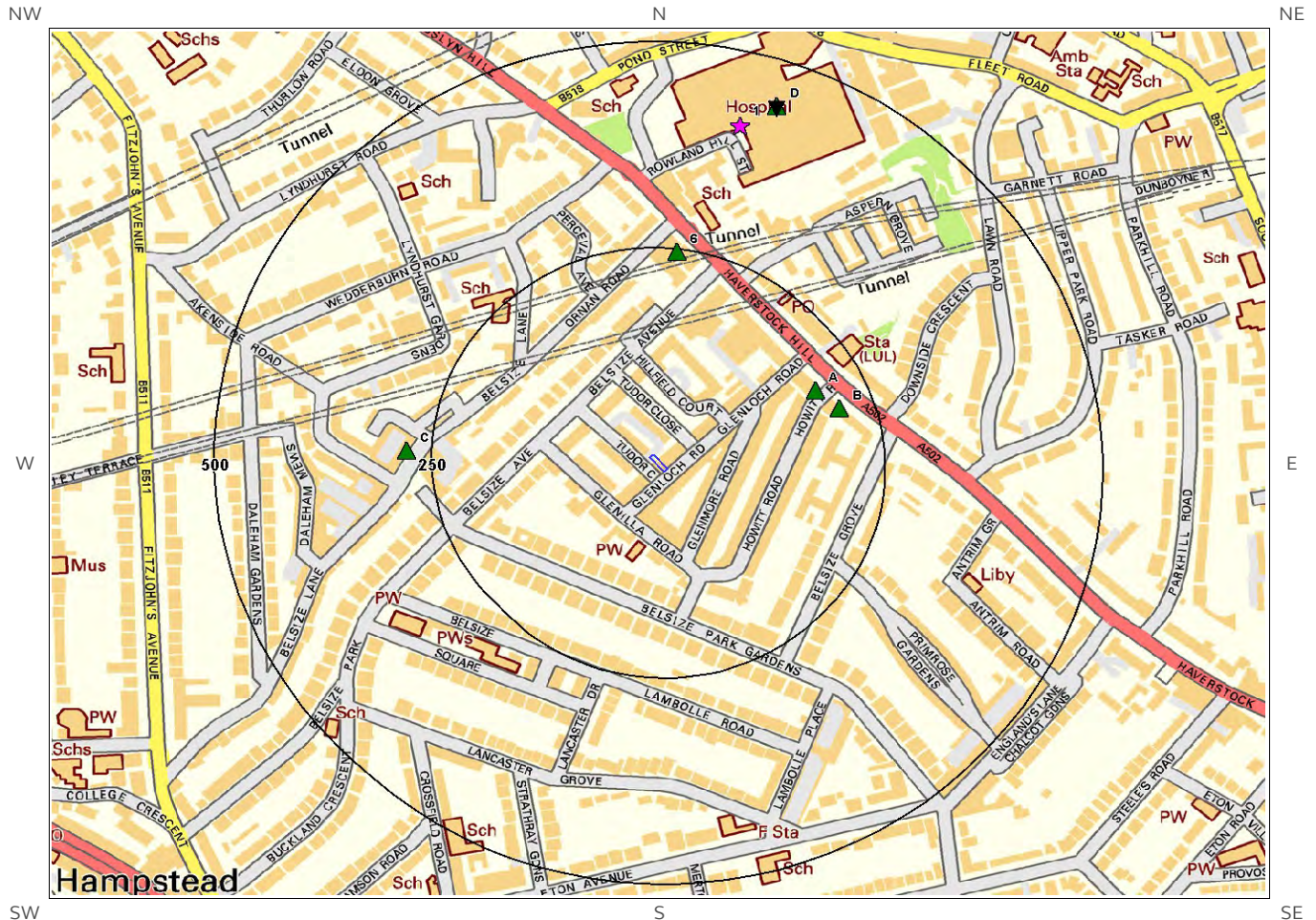
## 1.6 Potentially Infilled Land

Records of Potentially Infilled Features from 1:10,000 scale mapping within 500m of the study site: 26

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

ID	Distance(m)	Direction	Use	Date
176AM	144	N	Tunnel	1866
177A	145	N	Tunnel	1996
178A	145	N	Tunnel	1965
179A	145	N	Tunnel	1974
180A	145	N	Tunnel	1958
181B	214	N	Tunnel	1965
182B	214	N	Tunnel	1974
183B	214	N	Tunnel	1958
184B	214	N	Tunnel	1996
185	254	W	Pond	1866
186AN	265	NE	Unspecified Shaft	1866
187AO	276	NE	Air Shaft	1938
188AO	277	NE	Air Shaft	1938
189AO	278	NE	Air Shaft	1949
190AO	283	NE	Air Shaft	1920
191AP	308	NW	Unspecified Pit	1866
192AQ	344	NE	Unspecified Ground Workings	1949
193AR	402	W	Unspecified Shaft	1866
194H	417	NE	Air Shaft	1938
195AS	417	NE	Air Shaft	1938
196AS	423	NE	Air Shaft	1920
197	455	W	Air Shaft	1920
198L	480	W	Tunnels	1957
199L	480	W	Tunnels	1989
200L	480	W	Tunnels	1968
201L	480	W	Tunnels	1973

## 2. Environmental Permits, Incidents and Registers Map



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

0

Database searched and no data found.

---

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

0

Database searched and no data found.

---



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

8

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	193	NE	527346 185056	Address: Perkins Dry Cleaners, 171 Haverstock Hill, NW3 4QS Process: Dry Cleaning Status: Current Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of Enforcement: No Enforcement Notified Comment: No Enforcement Notified
3A	193	NE	527346 185056	Address: Perkins Dry Cleaners, 171 Haverstock Hill, NW3 4QS Process: Dry Cleaning Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of Enforcement: No Enforcement Notified Comment: No Enforcement Notified
4B	209	E	527372 185035	Address: Swan Dry Cleaners, 163 Haverstock Hill, NW3 4QT Process: Dry Cleaning Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of Enforcement: No Enforcement Notified Comment: No Enforcement Notified
5B	209	E	527372 185035	Address: Swan Dry Cleaners, 163 Haverstock Hill, NW3 4QT Process: Dry Cleaning Status: Current Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of Enforcement: No Enforcement Notified Comment: No Enforcement Notified
6	245	N	527185 185224	Address: Belsize Park Service Station, 215 Haverstock Hill, London, NW3 4QE Process: Unloading of Petrol into Storage at Service Stations Status: Current Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of Enforcement: No Enforcement Notified Comment: No Enforcement Notified
7C	279	W	526874 184982	Address: Pyramid Cleaners, 52 Belsize Lane, Belsize Park, NW3 5AR Process: Dry Cleaning Status: Current Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of Enforcement: No Enforcement Notified Comment: No Enforcement Notified
8C	279	W	526874 184982	Address: Pyramid Cleaners, 52 Belsize Lane, NW3 5AR Process: Dry Cleaning Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of Enforcement: No Enforcement Notified Comment: No Enforcement Notified
9D	443	N	527301 185401	Address: Royal Free Hospital, Pond St, Hampstead, NW3 2QG Process: incineration & furnace process 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:

34

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
44D	443	N	527300 185400	Royal Free Hampstead Nhs Trust, Royal Free Hospital, pond Street, Hampstead, London, NW3 2QG	Royal Free Hampstead Nhs Trust	Keeping And Use Of Radioactive Materials (was Rsa60 Section 1).	AE8658	Date of Approval: 11/7/1995 Effective from: 11/7/1995 Last date of update: 2015-01-01	Superseded By Variation
45D	443	N	527300 185400	Royal Free Hampstead Nhs Trust, Royal Free Hospital, Pond Street, Hampstead, London, NW3 2QG	Royal Free Hampstead Nhs Trust	Disposal Of Radioactive Waste (was Rsa60 Section 6).	AB4095	Date of Approval: 6/12/2004 Effective from: 6/12/2004 Last date of update: 2015-01-01	Superseded By Variation
46D	443	N	527300 185400	Royal Free Hampstead Nhs Trust, Royal Free Hospital, Pond Street, Hampstead, London, NW3 2QG	Royal Free Hampstead Nhs Trust	Disposal Of Radioactive Waste (was Rsa60 Section 6).	AB4095	Date of Approval: 13/7/2009 Effective from: 13/7/2009 Last date of update: 2015-01-01	Effective
47D	443	N	527300 185400	Royal Free Hampstead Nhs Trust, Royal Free Hospital, Pond Street, Hampstead, London, NW3 2QG	Royal Free Hampstead Nhs Trust	Disposal Of Radioactive Waste (was Rsa60 Section 6).	AB4095	Date of Approval: 12/7/1995 Effective from: 9/8/1995 Last date of update: 2015-01-01	Superseded By Variation
48D	443	N	527300 185400	Royal Free Hampstead Nhs Trust, Royal Free Hospital, pond Street, Hampstead, London, NW3 2QG	Royal Free Hampstead Nhs Trust	Keeping And Use Of Radioactive Materials (was Rsa60 Section 1).	AE8658	Date of Approval: 22/11/2004 Effective from: 22/11/2004 Last date of update: 2015-01-01	Effective
49D	443	N	527300 185400	Royal Free Hampstead Nhs Trust, Royal Free Hospital, Pond Street, Hampstead, London, NW3 2QG	Royal Free Hampstead Nhs Trust	Disposal Of Radioactive Waste (was Rsa60 Section 6).	AB4095	Date of Approval: 31/3/1991 Effective from: 31/3/1991 Last date of update: 2015-01-01	Superseded By Variation
50D	443	N	527300 185400	Anthony Nolan Trust (ant), Fleet Road, London, NW3 2QR	Anthony Nolan Trust (ant)	Keeping And Use Of Radioactive Materials (was Rsa60 Section 1).	BR6392	Date of Approval: 14/7/2005 Effective from: 14/7/2005 Last date of update: 2015-01-01	Superseded By Variation

ID	Distance (m)	Direction	NGR	Address	Operator	Type	Permission Number	Dates	Status
51D	443	N	527300 185400	Royal Free Hampstead Nhs Trust, Royal Free Hospital, Pond Street, Hampstead, London, NW3 2QG	Royal Free Hampstead Nhs Trust	Disposal Of Radioactive Waste (was Rsa60 Section 6).	AH9987	Date of Approval:21/6/1994 Effective from:25/6/1994 Last date of update:2015-01-01	Superseded By Variation
52D	443	N	527300 185400	Royal Free Hampstead Nhs Trust, Royal Free Hospital, Pond Street, Hampstead, London, NW3 2QG	Royal Free Hampstead Nhs Trust	Disposal Of Radioactive Waste (was Rsa60 Section 6).	AB4095	Date of Approval:9/12/2005 Effective from:9/12/2005 Last date of update:2015-01-01	Superseded By Variation
53D	443	N	527300 185400	Royal Free Hampstead Nhs Trust, Royal Free Hospital, Pond Street, Hampstead, London, NW3 2QG	Royal Free Hampstead Nhs Trust	Disposal Of Radioactive Waste (was Rsa60 Section 6).	AB4095	Date of Approval:25/10/1996 Effective from:28/10/1996 Last date of update:2015-01-01	Superseded By Variation
54D	443	N	527300 185400	Royal Free Hampstead Nhs Trust, Royal Free Hospital, pond Street, Hampstead, London, NW3 2QG	Royal Free Hampstead Nhs Trust	Keeping And Use Of Radioactive Materials (was Rsa60 Section 1).	AE8658	Date of Approval:29/4/2002 Effective from:29/4/2002 Last date of update:2015-01-01	Superseded By Variation
55D	443	N	527300 185400	Royal Free Hampstead Nhs Trust, Royal Free Hospital, Pond Street, Hampstead, London, NW3 2QG	Royal Free Hampstead Nhs Trust	Disposal Of Radioactive Waste (was Rsa60 Section 6).	AH9987	Date of Approval:20/7/2007 Effective from:17/8/2007 Last date of update:2015-01-01	Revoked/cancelled
56D	443	N	527300 185400	Royal Free Hampstead Nhs Trust, Royal Free Hospital, Pond Street, Hampstead, London, NW3 2QG	Royal Free Hampstead Nhs Trust	Disposal Of Radioactive Waste (was Rsa60 Section 6).	AH9987	Date of Approval:13/4/2006 Effective from:11/5/2006 Last date of update:2015-01-01	Superseded By Variation
57D	443	N	527300 185400	Royal Free Hampstead Nhs Trust, Royal Free Hospital, Pond Street, Hampstead, London, NW3 2QG	Royal Free Hampstead Nhs Trust	Disposal Of Radioactive Waste (was Rsa60 Section 6).	AB4095	Date of Approval:9/9/2005 Effective from:9/9/2005 Last date of update:2015-01-01	Superseded By Variation
58D	443	N	527300 185400	Royal Free Hampstead Nhs Trust, Royal Free Hospital, pond Street, Hampstead, London, NW3 2QG	Royal Free Hampstead Nhs Trust	Keeping And Use Of Radioactive Materials (was Rsa60 Section 1).	AE8658	Date of Approval:25/7/2002 Effective from:25/7/2002 Last date of update:2015-01-01	Superseded By Variation

ID	Distance (m)	Direction	NGR	Address	Operator	Type	Permission Number	Dates	Status
59D	443	N	527300 185400	Royal Free And University College Medical School Of University College London, Royal Free Hospital, Pond Street, Hampstead, London, NW3 2QG	Royal Free And University College Medical School Of University College London	Disposal Of Radioactive Waste (was Rsa60 Section 6).	BJ5694	Date of Approval:14/2/2001 Effective from:12/3/2001 Last date of update:2015-01-01	Superseded By Variation
60D	443	N	527300 185400	Anthony Nolan Trust (ant), Fleet Road, London, NW3 2QR	Anthony Nolan Trust (ant)	Keeping And Use Of Radioactive Materials (was Rsa60 Section 1).	BR6392	Date of Approval:2/10/2007 Effective from:2/10/2007 Last date of update:2015-01-01	Effective
61D	443	N	527300 185400	Royal Free Hampstead Nhs Trust, Royal Free Hospital, Pond Street, Hampstead, London, NW3 2QG	Royal Free Hampstead Nhs Trust	Disposal Of Radioactive Waste (was Rsa60 Section 6).	AB4095	Date of Approval:1/12/2003 Effective from:1/1/2004 Last date of update:2015-01-01	Superseded By Variation
62D	443	N	527300 185400	Royal Free And University College Medical School Of University College London, Royal Free Hospital, Pond Street, Hampstead, London, NW3 2QG	Royal Free And University College Medical School Of University College London	Disposal Of Radioactive Waste (was Rsa60 Section 6).	BJ5694	Date of Approval:1/12/2003 Effective from:1/1/2004 Last date of update:2015-01-01	Superseded By Variation
63D	443	N	527300 185400	Royal Free And University College Medical School Of University College London, Royal Free Hospital, Pond Street, Hampstead, London, NW3 2QG	Royal Free And University College Medical School Of University College London	Keeping And Use Of Radioactive Materials (was Rsa60 Section 1).	AR0403	Date of Approval:3/8/2005 Effective from:3/8/2005 Last date of update:2015-01-01	Effective
64D	443	N	527300 185400	Royal Free And University College Medical School Of University College London, Royal Free Hospital, Pond Street, Hampstead, London, NW3 2QG	Royal Free And University College Medical School Of University College London	Disposal Of Radioactive Waste (was Rsa60 Section 6).	BJ5694	Date of Approval:3/8/2005 Effective from:31/8/2005 Last date of update:2015-01-01	Superseded By Variation
65D	443	N	527300 185400	Royal Free Hampstead Nhs Trust, Royal Free Hospital, Pond Street, Hampstead, London, NW3 2QG	Royal Free Hampstead Nhs Trust	Disposal Of Radioactive Waste (was Rsa60 Section 6).	AH9987	Date of Approval:12/5/2003 Effective from:9/6/2003 Last date of update:2015-01-01	Superseded By Variation

ID	Distance (m)	Direction	NGR	Address	Operator	Type	Permission Number	Dates	Status
66D	443	N	527300 185400	Royal Free And University College Medical School Of University College London, Royal Free Hospital, Pond Street, Hampstead, London, NW3 2QG	Royal Free And University College Medical School Of University College London	Disposal Of Radioactive Waste (was Rsa60 Section 6).	BJ5694	Date of Approval:5/1/2006 Effective from:5/1/2006 Last date of update:2015-01-01	Effective
67D	443	N	527300 185400	Royal Free Hampstead Nhs Trust, Royal Free Hospital, Pond Street, Hampstead, London, NW3 2QG	Royal Free Hampstead Nhs Trust	Disposal Of Radioactive Waste (was Rsa60 Section 6).	AH9987	Date of Approval:11/8/1997 Effective from:1/9/1997 Last date of update:2015-01-01	Superseded By Variation
68D	443	N	527300 185400	Anthony Nolan Trust (ant), Royal Free Hospital, Pond Street, Hampstead, London, NW3 2QG	Anthony Nolan Trust (ant)	Disposal Of Radioactive Waste (was Rsa60 Section 6).	BJ5716	Date of Approval:14/2/2001 Effective from:12/3/2001 Last date of update:2015-01-01	Superseded By Variation
69D	443	N	527300 185400	Polymasc Pharmaceuticals Plc, Royal Free Hospital, Pond Street, Hampstead, London, NW3 2QG	Polymasc Pharmaceuticals Plc	Disposal Of Radioactive Waste (was Rsa60 Section 6).	BJ5678	Date of Approval:14/2/2001 Effective from:12/3/2001 Last date of update:2015-01-01	Revoked/cancelled
70D	443	N	527300 185400	Anthony Nolan Trust (ant), Royal Free Hospital, Pond Street, Hampstead, London, NW3 2QG	Anthony Nolan Trust (ant)	Disposal Of Radioactive Waste (was Rsa60 Section 6).	BJ5716	Date of Approval:1/12/2003 Effective from:1/1/2004 Last date of update:2015-01-01	Superseded By Variation
71D	443	N	527300 185400	Royal Free And University College Medical School Of University College London, Royal Free Hospital, pond Street, Hampstead, London, NW3 2QG	Royal Free And University College Medical School Of University College London	Keeping And Use Of Radioactive Materials (was Rsa60 Section 1).	AR0403	Date of Approval:27/10/1998 Effective from:27/10/1998 Last date of update:2015-01-01	Superseded By Variation
72D	443	N	527300 185400	Royal Free Hampstead Nhs Trust, Royal Free Hospital, Pond Street, Hampstead, London, NW3 2QG	Royal Free Hampstead Nhs Trust	Disposal Of Radioactive Waste (was Rsa60 Section 6).	AB4095	Date of Approval:17/1/1996 Effective from:18/1/1996 Last date of update:2015-01-01	Superseded By Variation

ID	Distance (m)	Direction	NGR	Address	Operator	Type	Permission Number	Dates	Status
73D	443	N	527300 185400	Anthony Nolan Trust (ant), Fleet Road, London, NW3 2QR	Anthony Nolan Trust (ant)	Keeping And Use Of Radioactive Materials (was Rsa60 Section 1).	BR6392	Date of Approval:29/4/2002 Effective from:29/4/2002 Last date of update:2015-01-01	Superseded By Variation
74D	443	N	527300 185400	Royal Free Hampstead Nhs Trust, Royal Free Hospital, Pond Street, Hampstead, London, NW3 2QG	Royal Free Hampstead Nhs Trust	Disposal Of Radioactive Waste (was Rsa60 Section 6).	AB4095	Date of Approval:14/2/2001 Effective from:12/3/2001 Last date of update:2015-01-01	Superseded By Variation
75D	443	N	527300 185400	Anthony Nolan Trust (ant), Royal Free Hospital, Pond Street, Hampstead, London, NW3 2QG	Anthony Nolan Trust (ant)	Disposal Of Radioactive Waste (was Rsa60 Section 6).	BJ5716	Date of Approval:14/7/2005 Effective from:11/8/2005 Last date of update:2015-01-01	Superseded By Variation
76D	443	N	527300 185400	Anthony Nolan Trust (ant), Royal Free Hospital, Pond Street, Hampstead, London, NW3 2QG	Anthony Nolan Trust (ant)	Disposal Of Radioactive Waste (was Rsa60 Section 6).	BJ5716	Date of Approval:2/10/2007 Effective from:30/10/2007 Last date of update:2015-01-01	Effective
77D	443	N	527300 185400	Royal Free And University College Medical School Of University College London, Royal Free Hospital,pond Street,hampstead, London, NW3 2QG	Royal Free And University College Medical School Of University College London	Keeping And Use Of Radioactive Materials (was Rsa60 Section 1).	AR0403	Date of Approval:28/11/2001 Effective from:28/11/2001 Last date of update:2015-01-01	Superseded By Variation

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

0

Database searched and no data found.

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

0

Database searched and no data found.



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

0

Database searched and no data found.

---

## 2.2 Dangerous or Hazardous Sites

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

0

Database searched and no data found.

---

## 2.3 Environment Agency/Natural Resources Wales Recorded Pollution Incidents

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

1

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

ID	Distance (m)	Direction	NGR	Details
1	411	N	527258 185379	Incident Date: 13-Aug-2001 Incident Identification: 23810 Pollutant: Specific Waste Materials Pollutant Description: Metal Wastes Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)

---

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

0

Database searched and no data found.

---

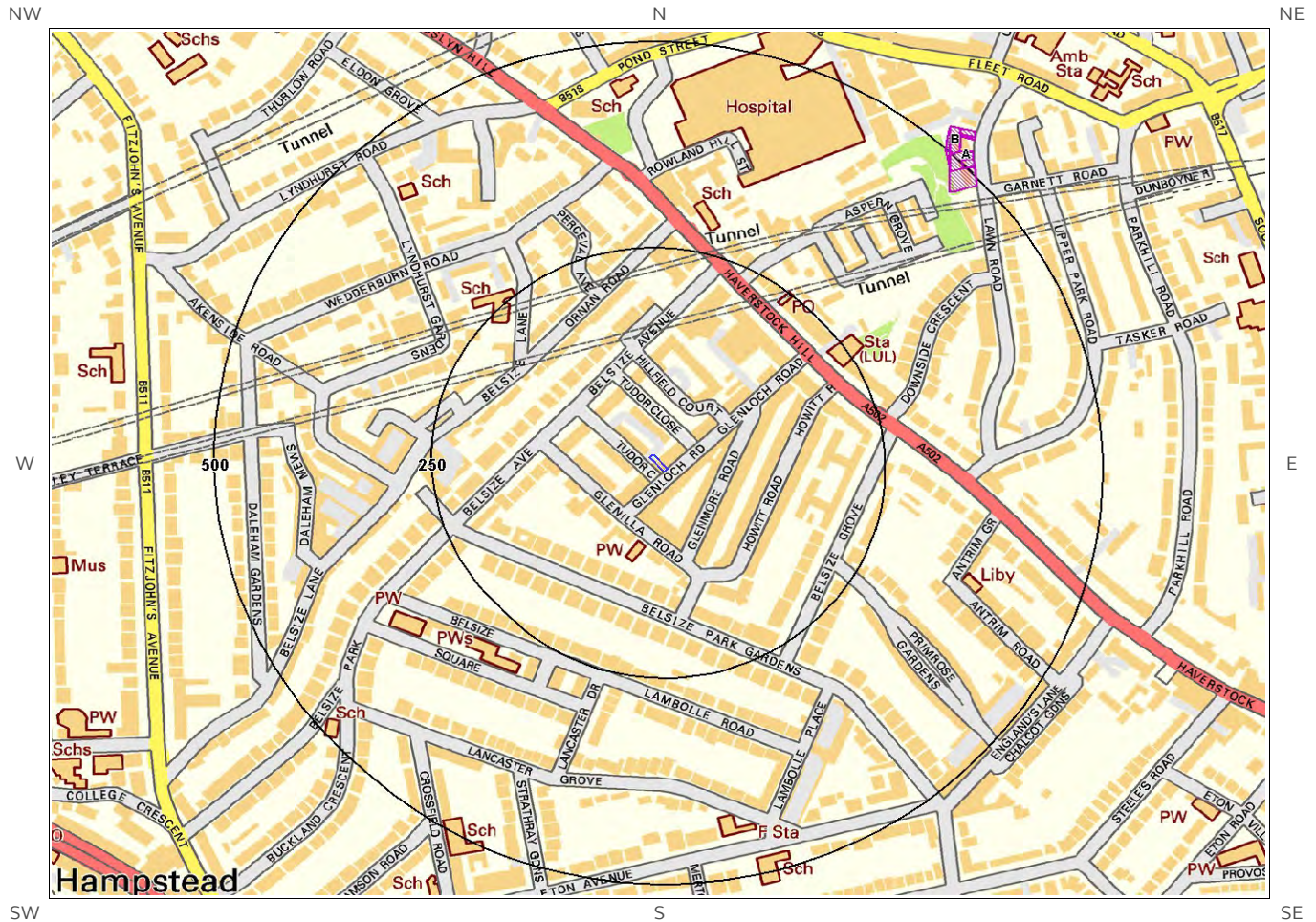
## 2.4 Sites Determined as Contaminated Land under Part 2A EPA 1990

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

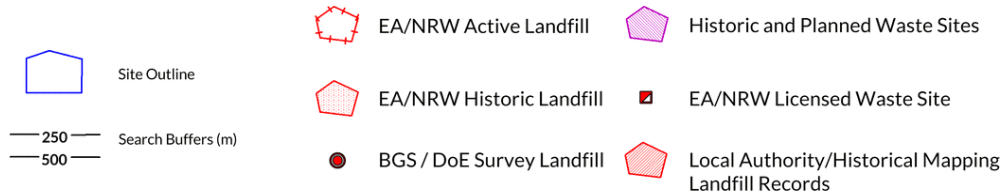
0

Database searched and no data found.

# 3. Landfill and Other Waste Sites Map



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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:

1

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

ID	Distance (m)	Direction	NGR	Details	
Not shown	1094	W	526000 184800	Site Address: Canfield Place, London NW6 Waste Licence: - Site Reference: DON009 Waste Type: - Environmental Permitting Regulations (Waste) Reference: -	Licence Issue: Licence Surrendered: Licence Holder Address: - Operator: - Licence Holder: - First Recorded: - Last Recorded: -

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

0

Database searched and no data found.

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

0

Database searched and no data found.

## 3.2 Other Waste Sites

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

4

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		
1A	466	NE	527515 185338	Type of Site: Waste Rag Works Site Address: N/A	Planning Application Reference: N/A Date: 1952	Further Details: N/A Data Source: Historic Mapping Data Type: Polygon
2B	483	NE	527497 185350	Type of Site: Waste Rag Works Site Address: N/A	Planning Application Reference: N/A Date: 1953	Further Details: N/A Data Source: Historic Mapping Data Type: Polygon
3A	484	NE	527505 185350	Type of Site: Waste Rag Works Site Address: N/A	Planning Application Reference: N/A Date: 1952	Further Details: N/A Data Source: Historic Mapping Data Type: Polygon
4B	498	NE	527504 185361	Type of Site: Waste Rag Works Site Address: N/A	Planning Application Reference: N/A Date: 1953	Further Details: N/A Data Source: Historic Mapping Data Type: Polygon

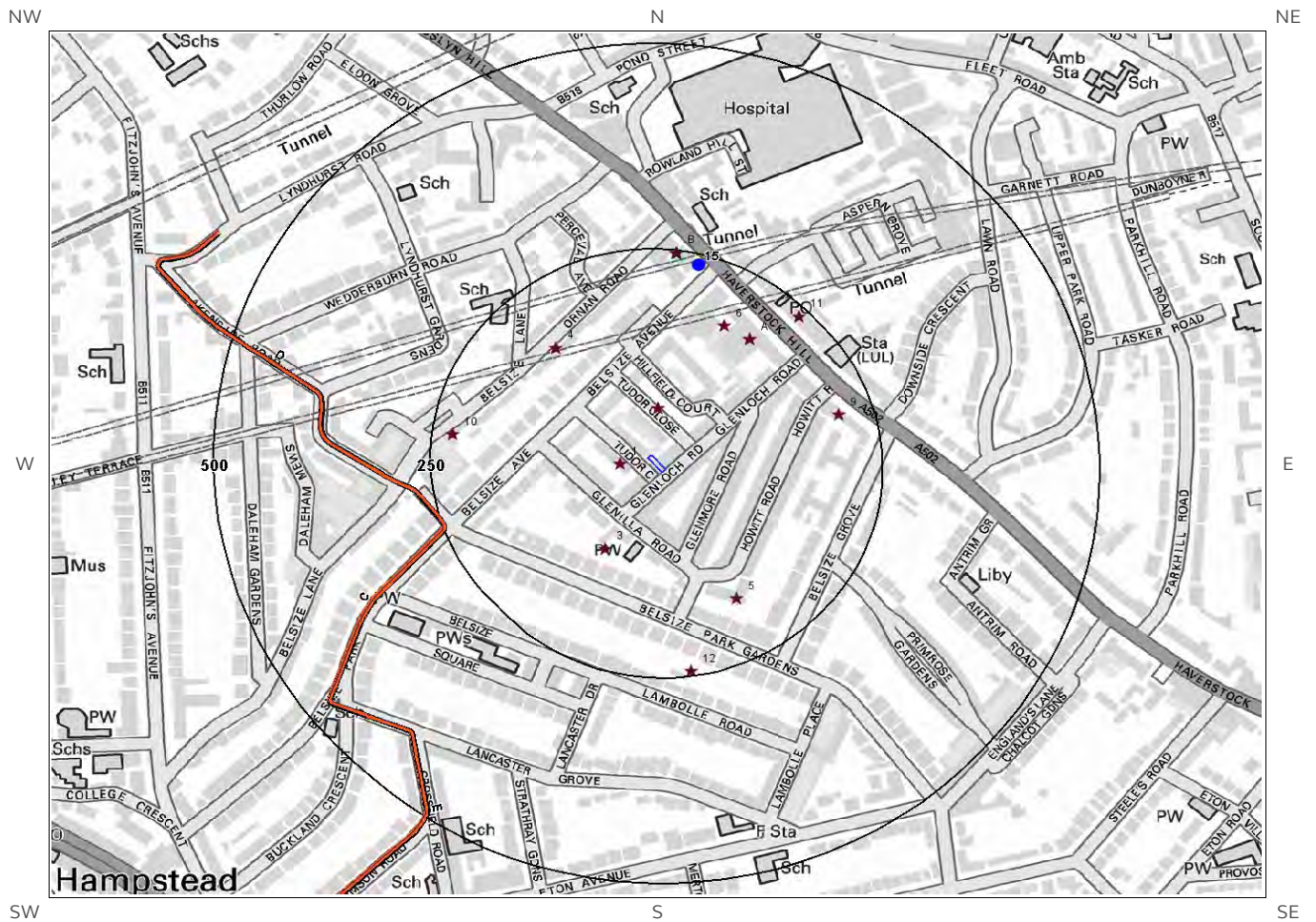
### 3.2.2 Records of Environment Agency/Natural Resources Wales licensed waste sites within 1500m of the study site:

0

Database searched and no data found.



# 4. Current Land Use Map



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## 4. Current Land Uses

### 4.1 Current Industrial Data

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

14

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

ID	Distance (m)	Direction	Company	NGR	Address	Activity	Category
1	33	W	Yan Technology	527122 184969	54, Tudor Close, London, NW3 4AG	Electrical Equipment Repair and Servicing	Repair and Servicing
2	58	N	Electricity Sub Station	527166 185038	NW3	Electrical Features	Infrastructure and Facilities
3	113	SW	Electricity Sub Station	527105 184867	NW3	Electrical Features	Infrastructure and Facilities
4	171	NW	Electricity Sub Station	527048 185111	NW3	Electrical Features	Infrastructure and Facilities
5	175	SE	Cyber Medic	527257 184806	43, Howitt Close, London, NW3 4LX	Electrical Equipment Repair and Servicing	Repair and Servicing
6	179	NE	Electricity Sub Station	527243 185138	NW3	Electrical Features	Infrastructure and Facilities
7A	181	NE	Targus Seatrade	527272 185121	201, Haverstock Hill, London, NW3 4QG	Distribution and Haulage	Transport, Storage and Delivery
8A	181	NE	Ronly Ltd	527272 185121	201, Haverstock Hill, London, NW3 4QG	Agricultural Contractors	Contract Services
9	209	E	Scaffolders of Hampstead	527374 185029	161, Haverstock Hill, London, NW3 4QT	Construction and Tool Hire	Hire Services
10	227	W	Electricity Sub Station	526929 185006	NW3	Electrical Features	Infrastructure and Facilities
11	239	NE	Printline Printers	527328 185149	200b, Haverstock Hill, London, NW3 2AG	Published Goods	Industrial Products
12	243	S	Electricity Sub Station	527204 184718	NW3	Electrical Features	Infrastructure and Facilities
13B	248	N	Belsize Park Self Serve	527187 185227	Belzier Park Service Station 215, Haverstock Hill, London, NW3 4QE	Petrol and Fuel Stations	Road and Rail
14B	248	N	Belzier Park Service Station	527187 185227	Belzier Park Service Station 215, Haverstock Hill, London, NW3 4QE	Petrol and Fuel Stations	Road and Rail



## 4.2 Petrol and Fuel Sites

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

1

The following petrol or fuel site records provided by Catalist are represented as points on the Current Land Use map:

ID	Distance (m)	Direction	NGR	Company	Address	LPG	Status
15	237	N	527212 185210	BP	Belsize Park Service Station, 215, Haverstock Hill, Haverstock Hill, Belsize Park, London, Inner London, NW3 4QE	No	Open

## 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:

12

The following Underground Electricity Transmission Cable records are represented as linear features on the Current Land Use map:

ID	Distance (m)	Direction	Details
16C	248	W	Cable Set: - Cable Route: - Cable Make: - Cable Type: PILOT Operating Voltage (kV): - Year of installation: - Cable in tunnel: -
17C	249	W	Cable Set: - Cable Route: MILL HILL - ST JOHNS WOOD 1 Cable Make: - Cable Type: DECOMMISSIONED Operating Voltage (kV): 275 Year of installation: 1963 Cable in tunnel: -
18C	249	W	Cable Set: - Cable Route: MILL HILL - ST JOHNS WOOD 2 Cable Make: - Cable Type: DECOMMISSIONED Operating Voltage (kV): 275 Year of installation: 1963 Cable in tunnel: -
19C	250	W	Cable Set: - Cable Route: - Cable Make: - Cable Type: PILOT Operating Voltage (kV): - Year of installation: - Cable in tunnel: -
20D	265	W	Cable Set: - Cable Route: - Cable Make: - Cable Type: PILOT Operating Voltage (kV): - Year of installation: - Cable in tunnel: -
21D	267	W	Cable Set: - Cable Route: MILL HILL - ST JOHNS WOOD 1 Cable Make: - Cable Type: DECOMMISSIONED Operating Voltage (kV): 275 Year of installation: 1963 Cable in tunnel: -

ID	Distance (m)	Direction	Details		
22D	267	W	Cable Set: - Cable Route: MILL HILL - ST JOHNS WOOD 2 Cable Make: -	Cable Type: DECOMMISSIONED Operating Voltage (kV): 275 Year of installation: 1963 Cable in tunnel: -	
23D	269	W	Cable Set: - Cable Route: - Cable Make: -	Cable Type: PILOT Operating Voltage (kV): - Year of installation: - Cable in tunnel: -	
24E	427	SW	Cable Set: - Cable Route: - Cable Make: -	Cable Type: PILOT Operating Voltage (kV): - Year of installation: - Cable in tunnel: -	
25E	428	SW	Cable Set: - Cable Route: MILL HILL - ST JOHNS WOOD 1 Cable Make: -	Cable Type: DECOMMISSIONED Operating Voltage (kV): 275 Year of installation: 1963 Cable in tunnel: -	
26E	428	SW	Cable Set: - Cable Route: MILL HILL - ST JOHNS WOOD 2 Cable Make: -	Cable Type: DECOMMISSIONED Operating Voltage (kV): 275 Year of installation: 1963 Cable in tunnel: -	
27E	429	SW	Cable Set: - Cable Route: - Cable Make: -	Cable Type: PILOT Operating Voltage (kV): - Year of installation: - Cable in tunnel: -	

#### 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

Database searched and no data found.

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

---

### 5.3 Bedrock and Solid Geology

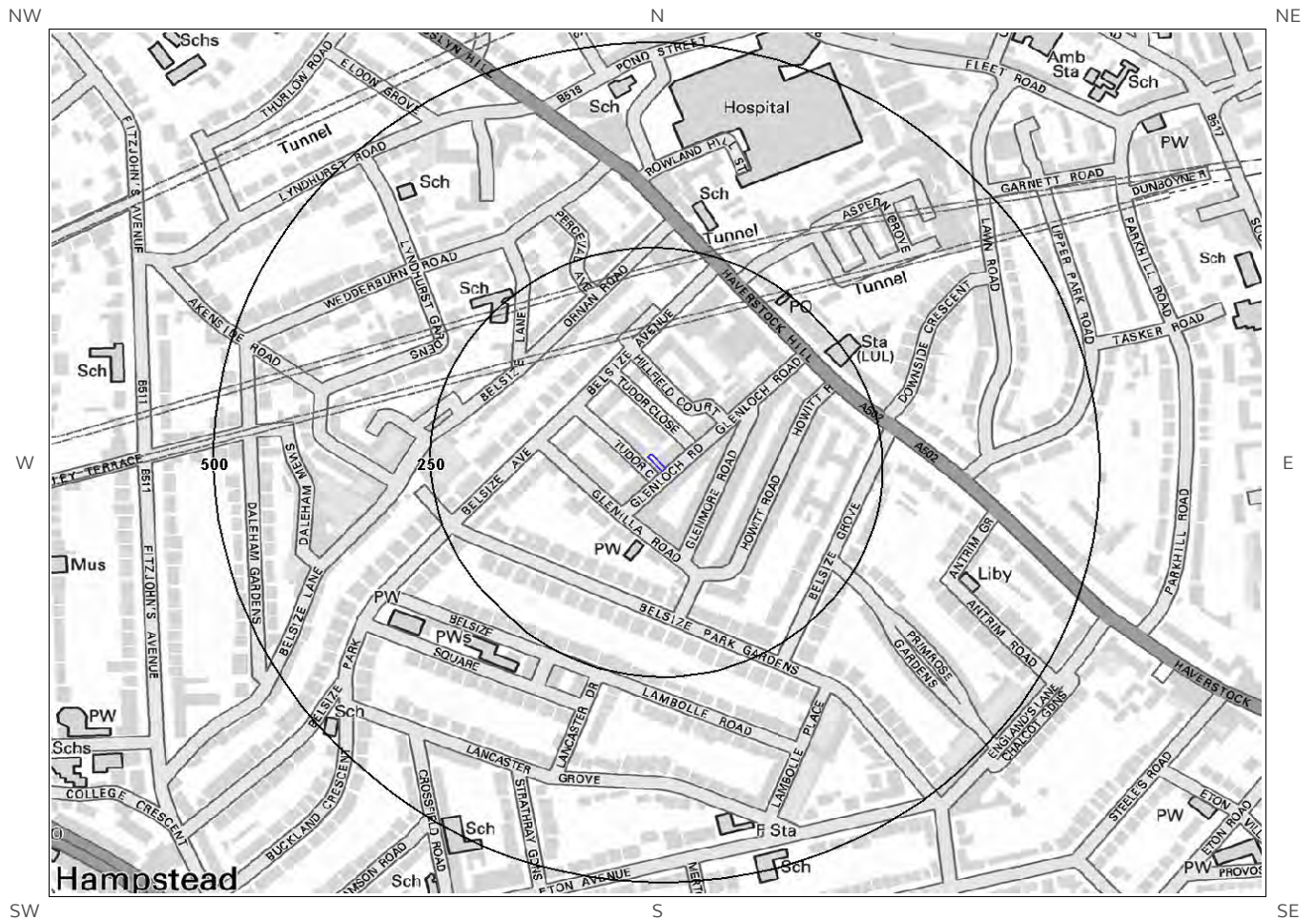
The database has been searched on site, including a 50m buffer.

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

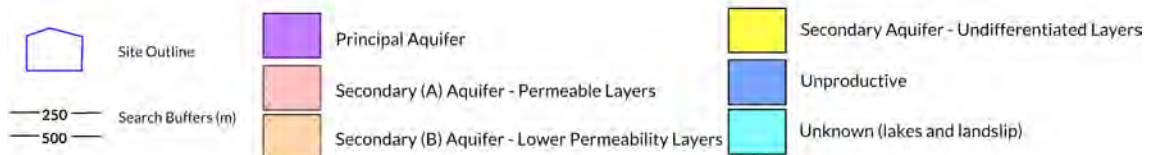
(Derived from the BGS 1:50,000 Digital Geological Map of Great Britain)

# 6 Hydrogeology and Hydrology

## 6a. Aquifer Within Superficial Geology

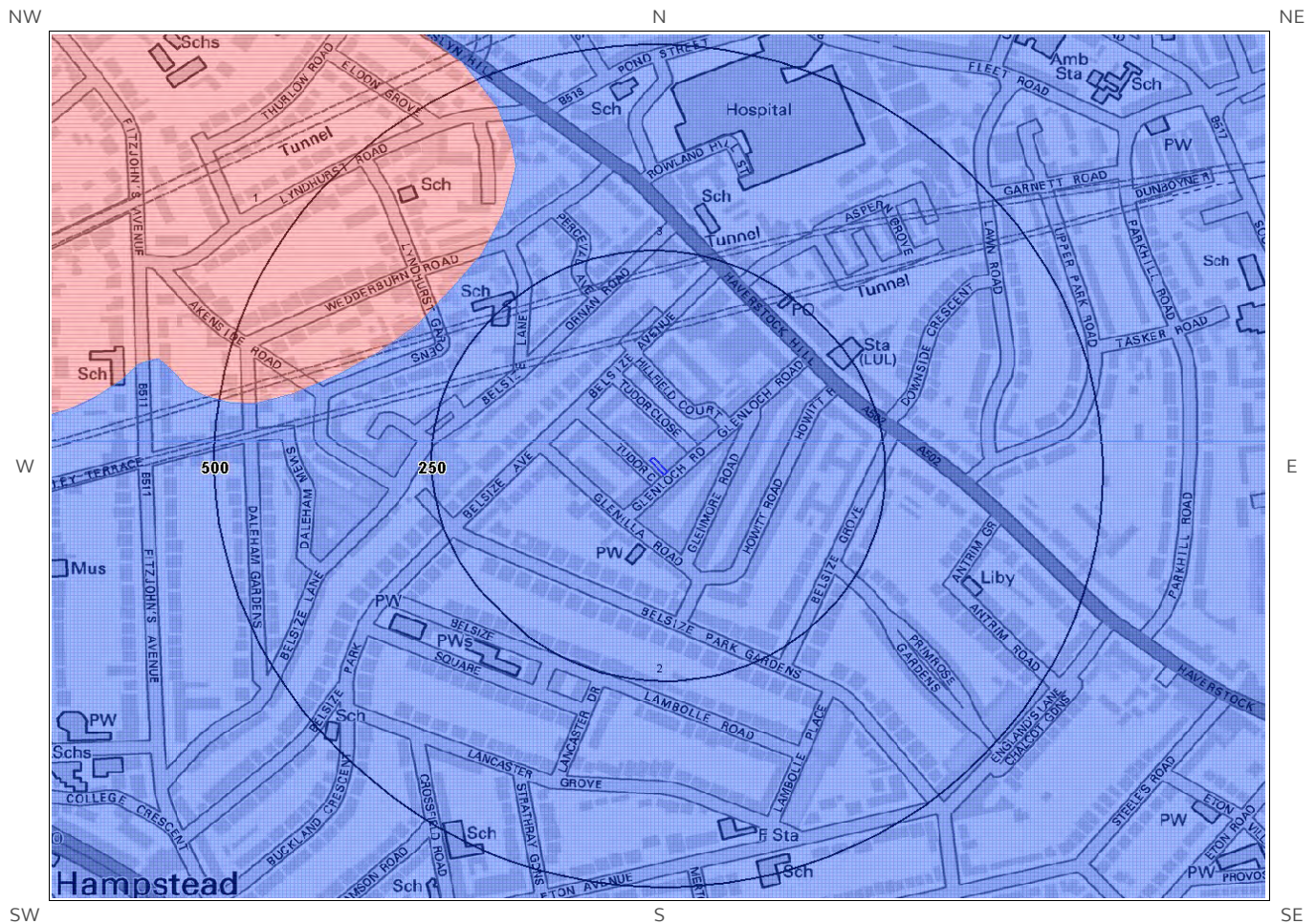


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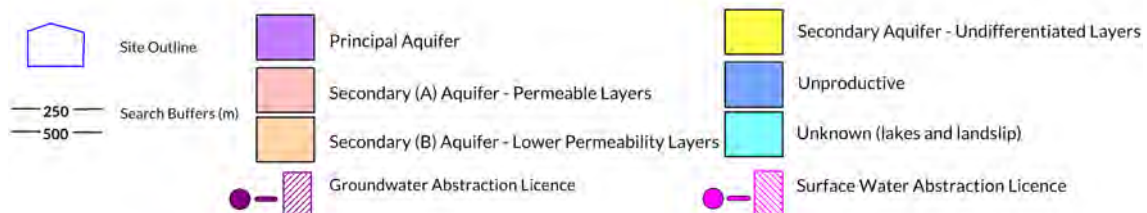




# 6b. Aquifer Within Bedrock Geology and Abstraction Licenses

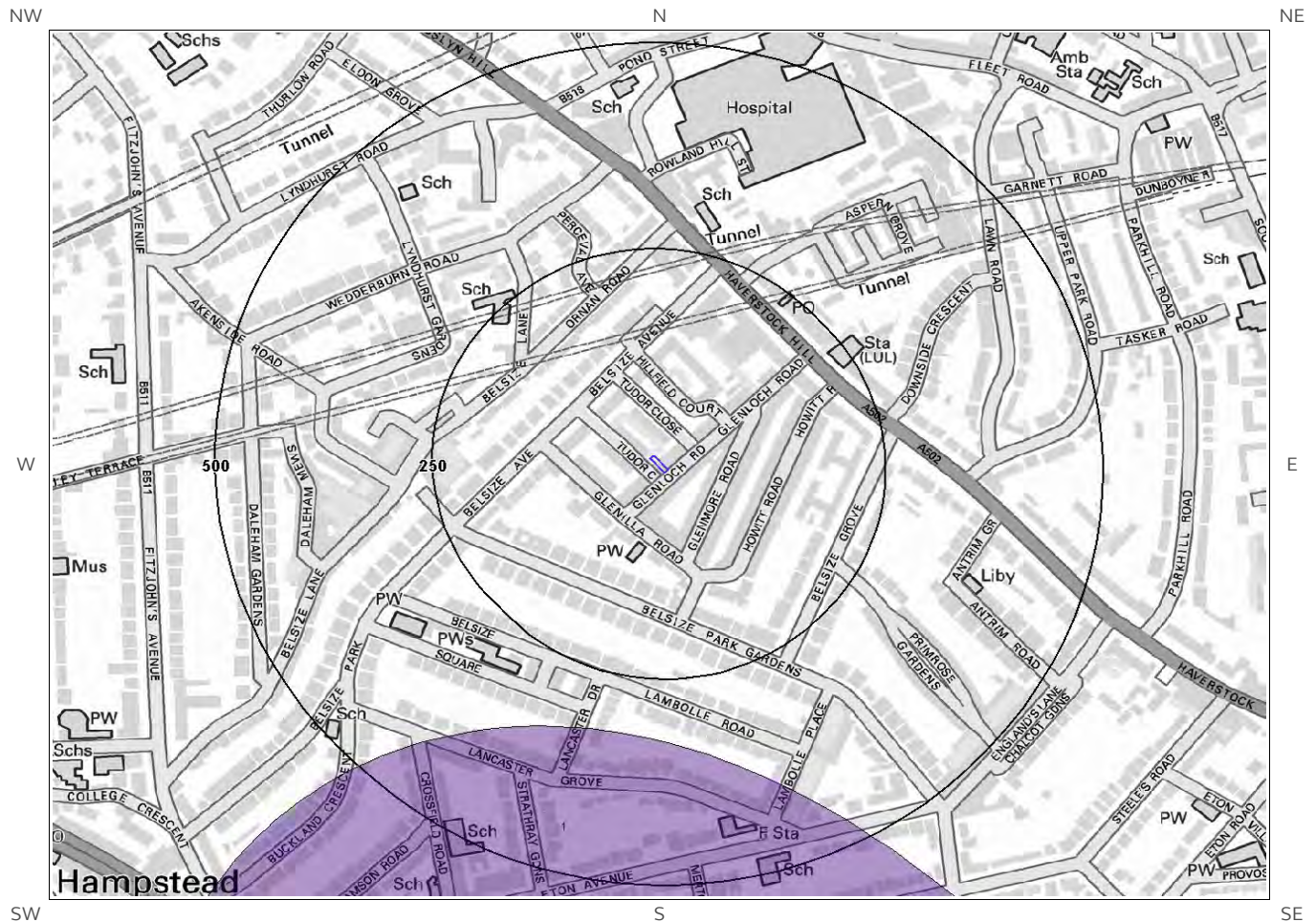


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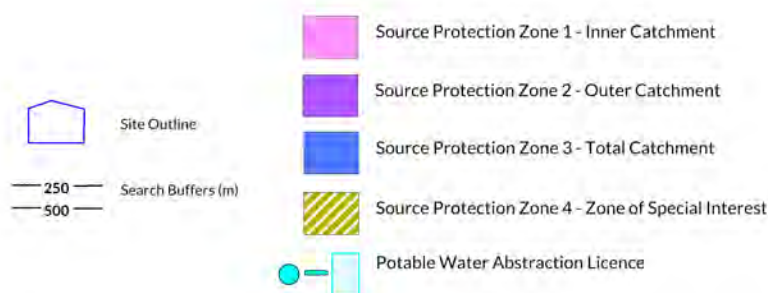




# 6c. Hydrogeology – Source Protection Zones and Potable Water Abstraction Licenses

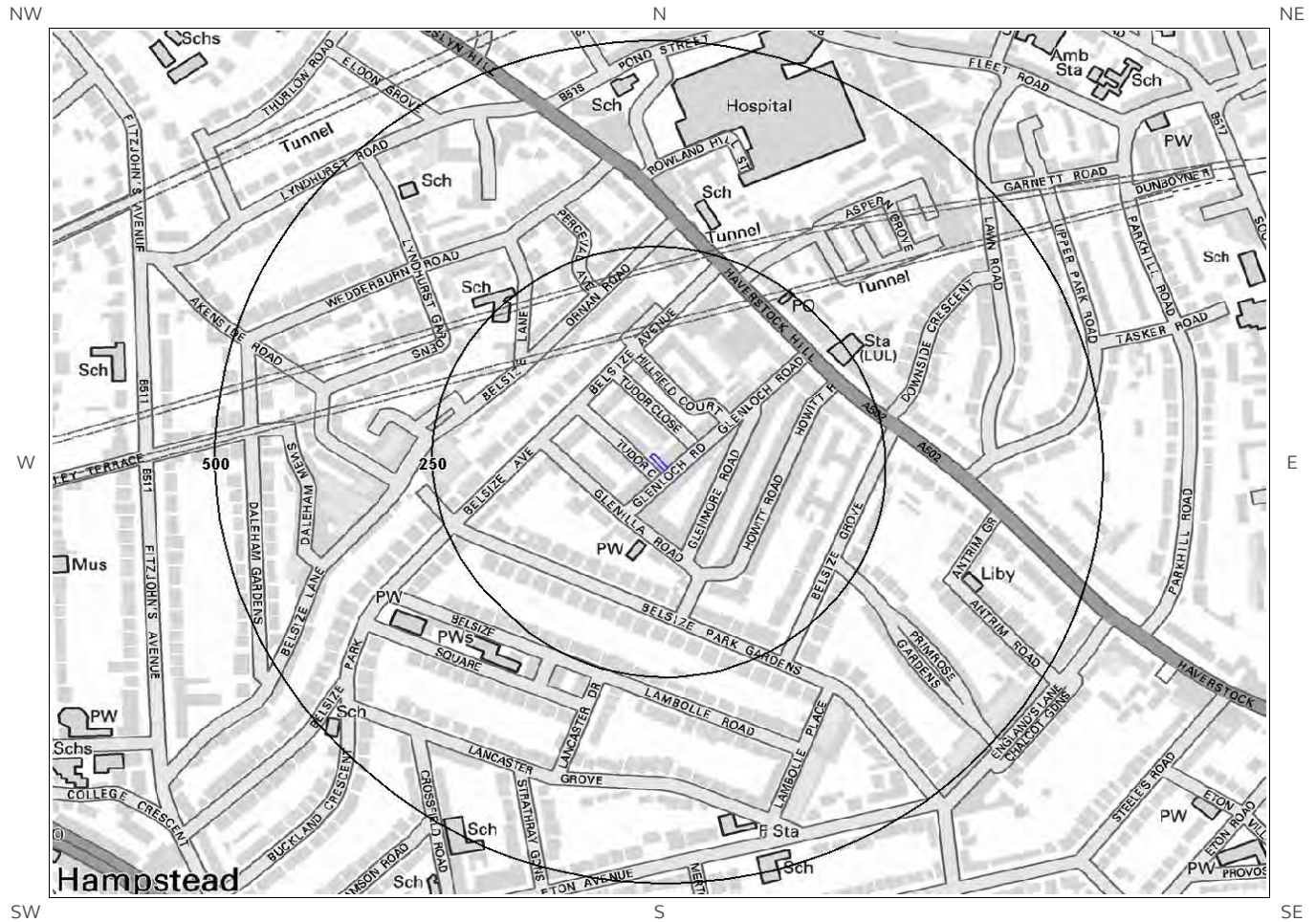


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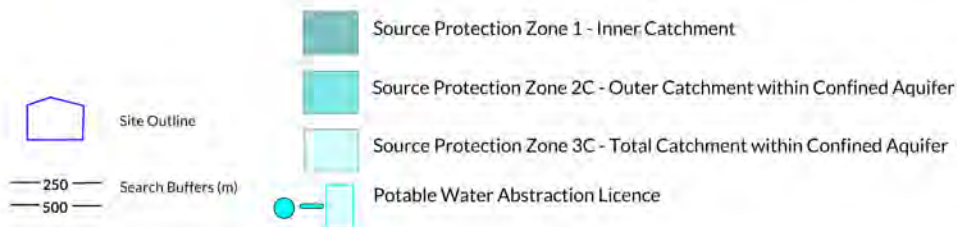




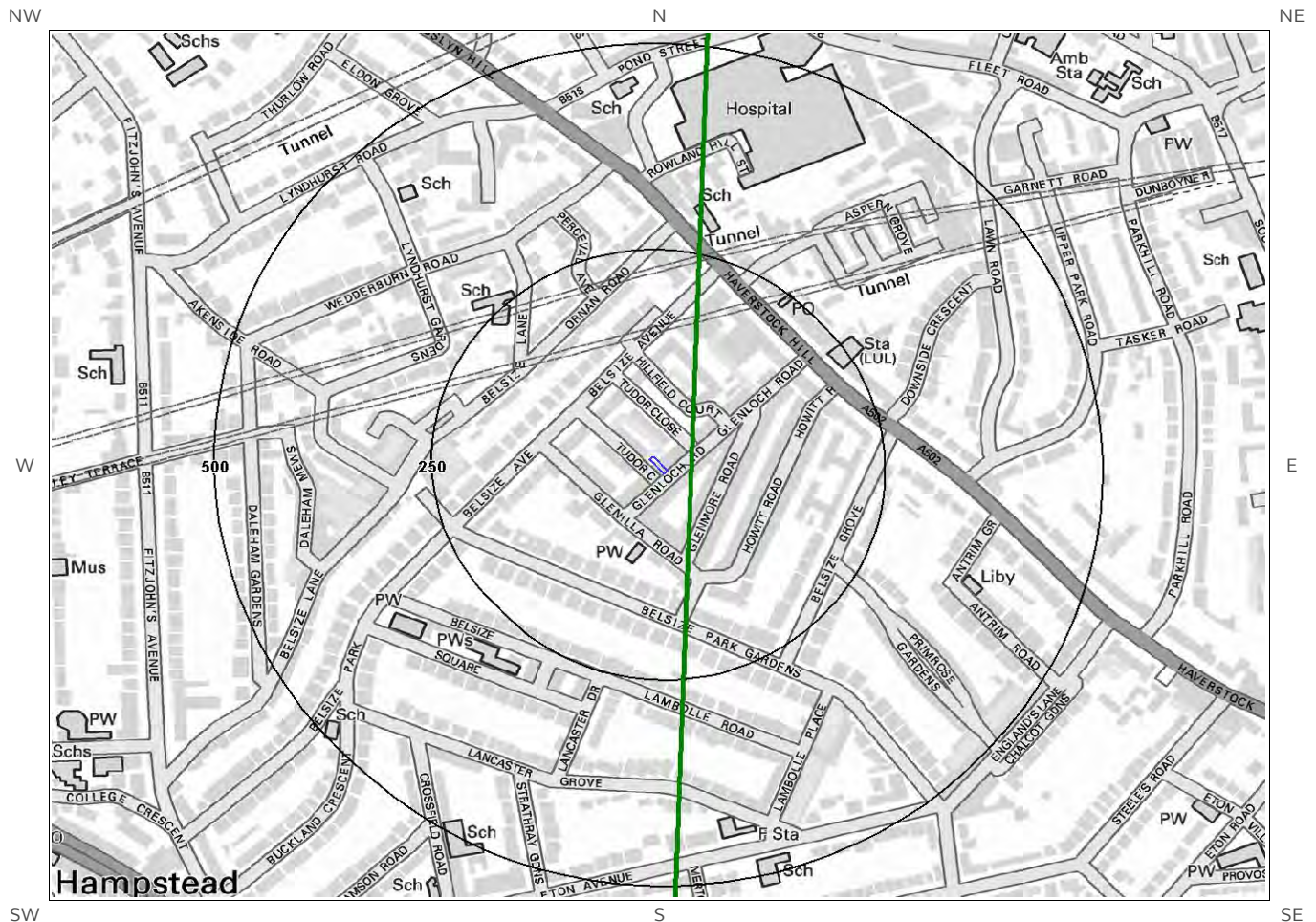
# 6d. Hydrogeology – Source Protection Zones within confined aquifer



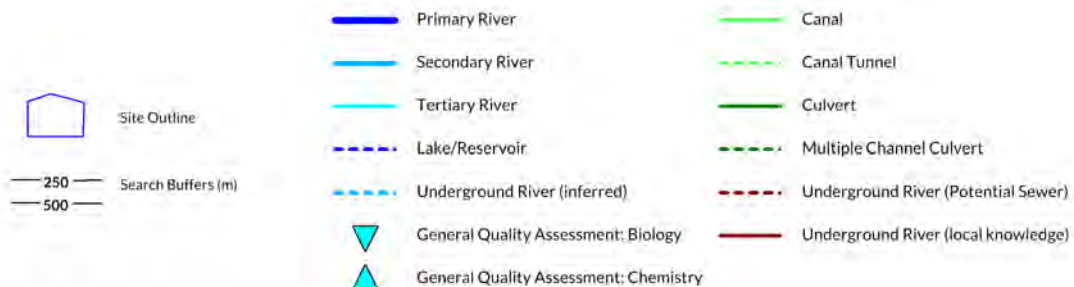
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# 6e. Hydrology – Detailed River Network and River Quality



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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? No

Database searched and no data found.

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.

## 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
3	19	N	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow
1	308	NW	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers



## 6.3 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	774	SW	526800 184280	<p>Status: Historical Licence No: 28/39/39/0219 Details: Spray Irrigation - Direct Direct Source: Thames Groundwater Point: Swiss Cottage Open Space- Borehole Data Type: Point Name: LONDON BOROUGH OF CAMDEN</p> <p>Annual Volume (m<sup>3</sup>): 10512 Max Daily Volume (m<sup>3</sup>): 28.8 Original Application No: WRA/N/1407 Original Start Date: 12/8/2005 Expiry Date: 31/3/2013 Issue No: 1 Version Start Date: 1/4/2008 Version End Date:</p>
Not shown	815	SW	526750 184261	<p>Status: Active Licence No: TH/039/0039/087 Details: Spray Irrigation - Direct Direct Source: Thames Groundwater Point: Swiss Cottage Open Space- Borehole Data Type: Point Name: LONDON BOROUGH OF CAMDEN</p> <p>Annual Volume (m<sup>3</sup>): 10512 Max Daily Volume (m<sup>3</sup>): 28.8 Original Application No: NPS/WR/014567 Original Start Date: 5/12/2013 Expiry Date: 31/3/2025 Issue No: 1 Version Start Date: 5/12/2013 Version End Date:</p>
Not shown	815	SW	526750 184261	<p>Status: Active Licence No: TH/039/0039/087 Details: Lake &amp; Pond Throughflow Direct Source: Thames Groundwater Point: Swiss Cottage Open Space- Borehole Data Type: Point Name: LONDON BOROUGH OF CAMDEN</p> <p>Annual Volume (m<sup>3</sup>): 10512 Max Daily Volume (m<sup>3</sup>): 28.8 Original Application No: NPS/WR/014567 Original Start Date: 5/12/2013 Expiry Date: 31/3/2025 Issue No: 1 Version Start Date: 5/12/2013 Version End Date:</p>
Not shown	815	SW	526750 184261	<p>Status: Active Licence No: TH/039/0039/087 Details: General Washing/Process Washing Direct Source: Thames Groundwater Point: Swiss Cottage Open Space- Borehole Data Type: Point Name: LONDON BOROUGH OF CAMDEN</p> <p>Annual Volume (m<sup>3</sup>): 10512 Max Daily Volume (m<sup>3</sup>): 28.8 Original Application No: NPS/WR/014567 Original Start Date: 5/12/2013 Expiry Date: 31/3/2025 Issue No: 1 Version Start Date: 5/12/2013 Version End Date:</p>
Not shown	1345	S	527636 183697	<p>Status: Active Licence No: TH/039/0039/058 Details: Potable Water Supply - Direct Direct Source: Thames Groundwater Point: Borehole At Barrow Hill Data Type: Point Name: THAMES WATER UTILITIES LTD</p> <p>Annual Volume (m<sup>3</sup>): 631000 Max Daily Volume (m<sup>3</sup>): 2000 Original Application No: NPS/WR/009229 Original Start Date: 1/4/2013 Expiry Date: 31/3/2025 Issue No: 1 Version Start Date: 1/4/2013 Version End Date:</p>
Not shown	1353	S	527640 183690	<p>Status: Historical Licence No: 28/39/39/0231 Details: Potable Water Supply - Direct Direct Source: Thames Groundwater Point: Barrow Hill Pumping Station - Borehole Data Type: Point Name: THAMES WATER UTILITIES LTD</p> <p>Annual Volume (m<sup>3</sup>): 631000 Max Daily Volume (m<sup>3</sup>): 2000 Original Application No: WRA/R/1026 Original Start Date: 1/4/2007 Expiry Date: 31/3/2013 Issue No: 1 Version Start Date: 1/4/2007 Version End Date:</p>

ID	Distance (m)	Direction	NGR	Details
Not shown	1353	S	527640 183690	<p>Status: Historical Licence No: 28/39/39/0202 Details: Potable Water Supply - Direct Direct Source: Thames Groundwater Point: Barrow Hill Pumping Station - Borehole Data Type: Point Name: THAMES WATER UTILITIES LTD</p> <p>Annual Volume (m³): 631000 Max Daily Volume (m³): 2000 Original Application No: WRA/2/2(24) Original Start Date: 26/9/2002 Expiry Date: 31/3/2007 Issue No: 1 Version Start Date: 26/9/2002 Version End Date:</p>
Not shown	1645	E	528800 184700	<p>Status: Historical Licence No: 28/39/39/0091 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: Two Bores At Kentish Town Sports Centre, Prince Of Wales St Data Type: Point Name: GREENWICH LEISURE LTD</p> <p>Annual Volume (m³): 94506 Max Daily Volume (m³): 1813.8 Original Application No: NPS/WR/010565 Original Start Date: 13/6/1966 Expiry Date: - Issue No: 101 Version Start Date: 5/4/2012 Version End Date:</p>
Not shown	1645	E	528800 184700	<p>Status: Active Licence No: 28/39/39/0091 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: Kentish Town Sports Centre, Prince Of Wales St Data Type: Point Name: GREENWICH LEISURE LIMITED</p> <p>Annual Volume (m³): 17997 Max Daily Volume (m³): 604.6 Original Application No: NPS/WR/010565 Original Start Date: 13/6/1966 Expiry Date: - Issue No: 101 Version Start Date: 25/5/2012 Version End Date:</p>
Not shown	1645	E	528800 184700	<p>Status: Active Licence No: 28/39/39/0091 Details: Process Water Direct Source: Thames Groundwater Point: Kentish Town Sports Centre, Prince Of Wales St Data Type: Point Name: GREENWICH LEISURE LIMITED</p> <p>Annual Volume (m³): 17997 Max Daily Volume (m³): 604.6 Original Application No: NPS/WR/010565 Original Start Date: 13/6/1966 Expiry Date: - Issue No: 101 Version Start Date: 25/5/2012 Version End Date:</p>
Not shown	1645	E	528800 184700	<p>Status: Historical Licence No: 28/39/39/0091 Details: Process Water Direct Source: Thames Groundwater Point: Two Bores At Kentish Town Sports Centre, Prince Of Wales St Data Type: Point Name: GREENWICH LEISURE LTD</p> <p>Annual Volume (m³): 94506 Max Daily Volume (m³): 1813.8 Original Application No: NPS/WR/010565 Original Start Date: 13/6/1966 Expiry Date: - Issue No: 101 Version Start Date: 5/4/2012 Version End Date:</p>
Not shown	1645	E	528800 184700	<p>Status: Historical Licence No: 28/39/39/0091 Details: Laundry Use Direct Source: Thames Groundwater Point: Two Bores At Kentish Town Sports Centre, Prince Of Wales St Data Type: Point Name: GREENWICH LEISURE LTD</p> <p>Annual Volume (m³): 94506 Max Daily Volume (m³): 1813.8 Original Application No: NPS/WR/010565 Original Start Date: 13/6/1966 Expiry Date: - Issue No: 101 Version Start Date: 5/4/2012 Version End Date:</p>
Not shown	1766	SE	528000 183400	<p>Status: Historical Licence No: 28/39/39/0035 Details: Animal Watering &amp; General Use in non Farming situations Direct Source: Thames Groundwater Point: Borehole At Regent's Park, London Nw1 Data Type: Point Name: ZOOLOGICAL SOCIETY OF LONDON</p> <p>Annual Volume (m³): 681.9 Max Daily Volume (m³): 59 Original Application No: - Original Start Date: 4/4/1966 Expiry Date: - Issue No: 100 Version Start Date: 4/4/1966 Version End Date:</p>

## 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	1618	SE	528490 184020	Status: Historical Licence No: 28/39/39/0173 Details: Non-Evaporative Cooling Direct Source: Thames Surface Water - Non Tidal Point: Oval Road, Camden - Grand Union Regents Canal Data Type: Point Name: BRITISH WATERWAYS BOARD Annual Volume (m³): - Max Daily Volume (m³): - Application No: - Original Start Date: 8/12/1994 Expiry Date: - Issue No: 100 Version Start Date: 8/12/1994 Version End Date:
Not shown	1626	SE	528500 184020	Status: Active Licence No: 28/39/39/0164 Details: Non-Evaporative Cooling Direct Source: Thames Surface Water - Non Tidal Point: Southampton Bridge, London, Nw8 - 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	1345	S	527636 183697	Status: Active Licence No: TH/039/0039/058 Details: Potable Water Supply - Direct Direct Source: Thames Groundwater Point: Borehole At Barrow Hill Data Type: Point Name: THAMES WATER UTILITIES LTD Annual Volume (m³): 631000 Max Daily Volume (m³): 2000 Original Application No: NPS/WR/009229 Original Start Date: 1/4/2013 Expiry Date: 31/3/2025 Issue No: 1 Version Start Date: Version End Date:
Not shown	1353	S	527640 183690	Status: Historical Licence No: 28/39/39/0202 Details: Potable Water Supply - Direct Direct Source: Thames Groundwater Point: Barrow Hill Pumping Station - Borehole Data Type: Point Name: THAMES WATER UTILITIES LTD Annual Volume (m³): 631000 Max Daily Volume (m³): 2000 Original Application No: WRA/2/2(24) Original Start Date: 26/9/2002 Expiry Date: 31/3/2007 Issue No: 1 Version Start Date: Version End Date:
Not shown	1353	S	527640 183690	Status: Historical Licence No: 28/39/39/0231 Details: Potable Water Supply - Direct Direct Source: Thames Groundwater Point: Barrow Hill Pumping Station - Borehole Data Type: Point Name: THAMES WATER UTILITIES LTD Annual Volume (m³): 631000 Max Daily Volume (m³): 2000 Original Application No: WRA/R/1026 Original Start Date: 1/4/2007 Expiry Date: 31/3/2013 Issue No: 1 Version Start Date: Version End Date:



ID	Distance (m)	Direction	NGR	Details	
Not shown	1645	E	528800 184700	Status: Historical Licence No: 28/39/39/0091 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: Two Bores At Kentish Town Sports Centre, Prince Of Wales St Data Type: Point Name: GREENWICH LEISURE LTD	Annual Volume (m <sup>3</sup> ): 94506 Max Daily Volume (m <sup>3</sup> ): 1813.8 Original Application No: NPS/WR/010565 Original Start Date: 13/6/1966 Expiry Date: - Issue No: 101 Version Start Date: Version End Date:
Not shown	1645	E	528800 184700	Status: Active Licence No: 28/39/39/0091 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: Kentish Town Sports Centre, Prince Of Wales St Data Type: Point Name: GREENWICH LEISURE LIMITED	Annual Volume (m <sup>3</sup> ): 17997 Max Daily Volume (m <sup>3</sup> ): 604.6 Original Application No: NPS/WR/010565 Original Start Date: 13/6/1966 Expiry Date: - Issue No: 101 Version Start Date: Version End Date:

## 6.6 Source Protection Zones

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

Yes

The following Source Protection Zones records are represented on the SPZ and Potable Water Abstraction Map (6c):

ID	Distance (m)	Direction	Zone	Description
1	319	S	2	Outer catchment

## 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
383	NW	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.

## 6.10 Detailed River Network

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

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

ID	Distance (m)	Direction	Details
1	27	E	<div> <div>River Name: - Welsh River Name: - Alternative Name: -</div> <div>River Type: Culvert Main River Status: Currently Undefined</div> </div>

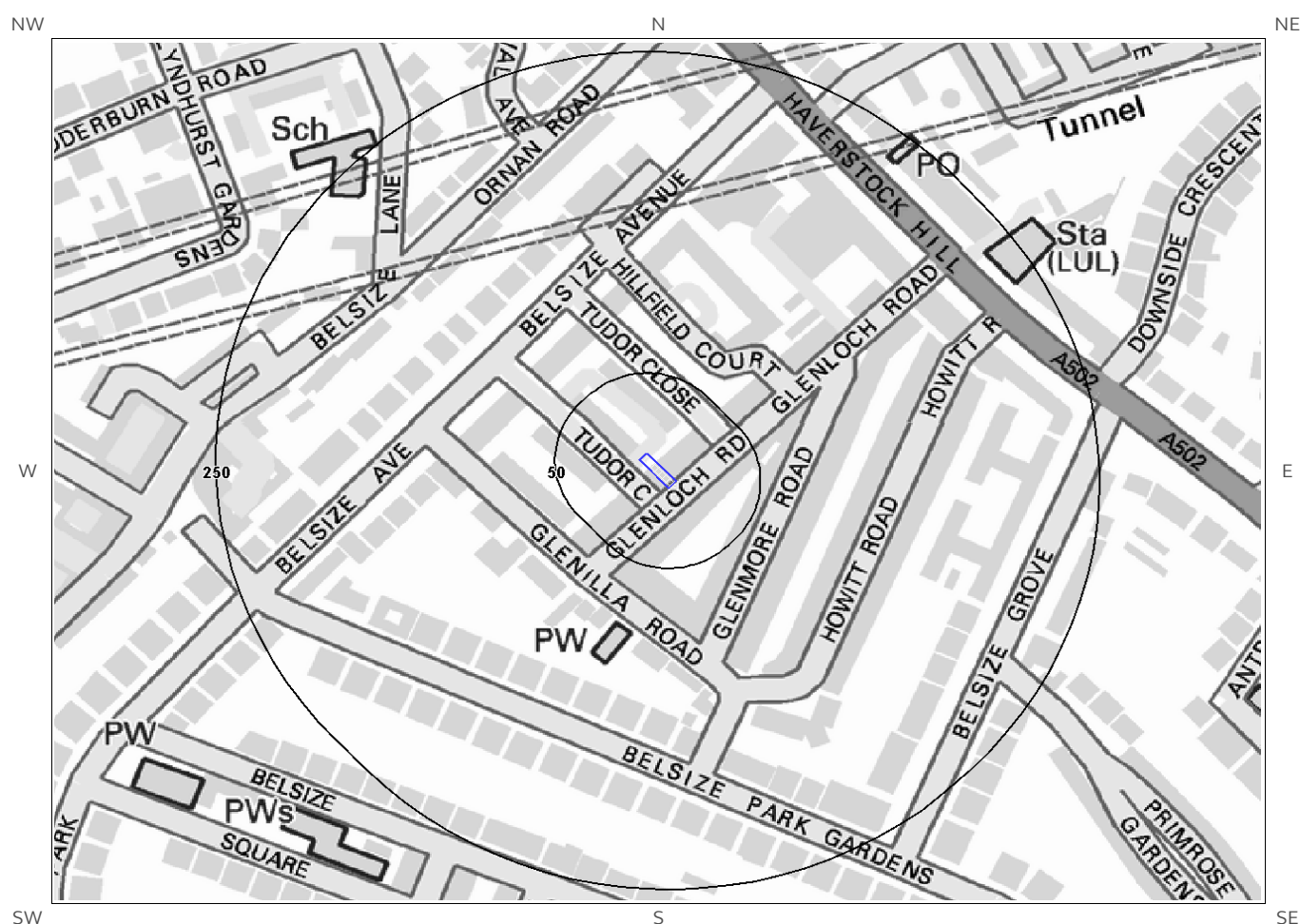
## 6.11 Surface Water Features

Are there any surface water features within 250m of the study site? No

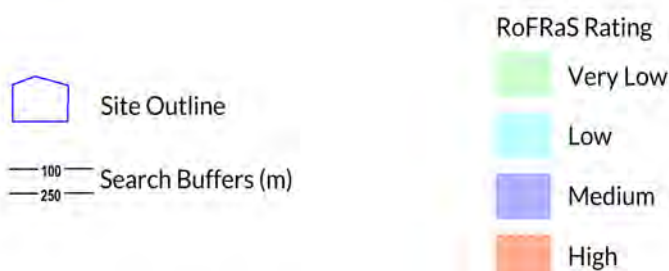
Database searched and no data found.



# 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

## 7.6 Areas benefiting from Flood Storage

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

No

---

## 7.7 Groundwater Flooding Susceptibility Areas

7.7.1 Are there any British Geological Survey groundwater flooding susceptibility areas within 50m of the boundary of the study site? No

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?

Not Prone

The area is not considered to be prone to groundwater flooding based on rock type.

---

## 7.8 Groundwater Flooding Confidence Areas

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

Not Applicable

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.

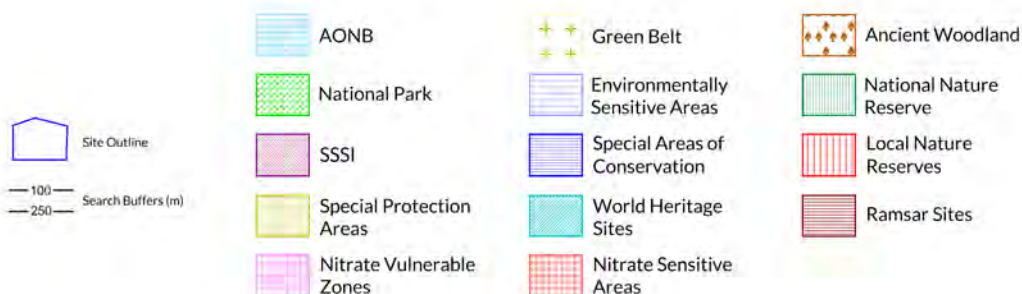
The confidence rating is on a threefold scale - Low, Moderate and High. This provides a relative indication of the BGS confidence in the accuracy of the susceptibility result for groundwater flooding. This is based on the amount and precision of the information used in the assessment. In areas with a 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



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# 8. Designated Environmentally Sensitive Sites

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

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

1

The following Site of Special Scientific Interest (SSSI) records provided by Natural England/Natural Resources Wales are represented as polygons on the Designated Environmentally Sensitive Sites Map:

ID	Distance (m)	Direction	SSSI Name	Data Source
Not shown	1795	N	Hampstead Heath Woods	Natural England

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

0

Database searched and no data found.

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

0

Database searched and no data found.

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

0

Database searched and no data found.

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

0

Database searched and no data found.

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

2

The following records of Designated Ancient Woodland provided by Natural England/Natural Resources Wales are represented as polygons on the Designated Environmentally Sensitive Sites Map:

ID	Distance (m)	Direction	Ancient Woodland Name	Data Source
Not shown	1804	N	UNKNOWN	Ancient and Semi-Natural Woodland
Not shown	1809	NW	UNKNOWN	Ancient and Semi-Natural Woodland

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

2

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
2	402	NE	Belsize Wood	Natural England
Not shown	1904	S	St John's Wood Church Grounds	Natural England

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

0

Database searched and no data found.

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

0

Database searched and no data found.

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

0

Database searched and no data found.

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

0

Database searched and no data found.

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

0

Database searched and no data found.

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

0

Database searched and no data found.

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

0

Database searched and no data found.

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# 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.



#### 9.1.4 Compressible Ground

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

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

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

#### 9.1.5 Collapsible Rocks

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

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

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

#### 9.1.6 Running Sand

What is the maximum Running Sand\*\* hazard rating identified on the study site? Negligible

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

Hazard
No indicators for running sand identified. 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.

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## 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.

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# Contact Details

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