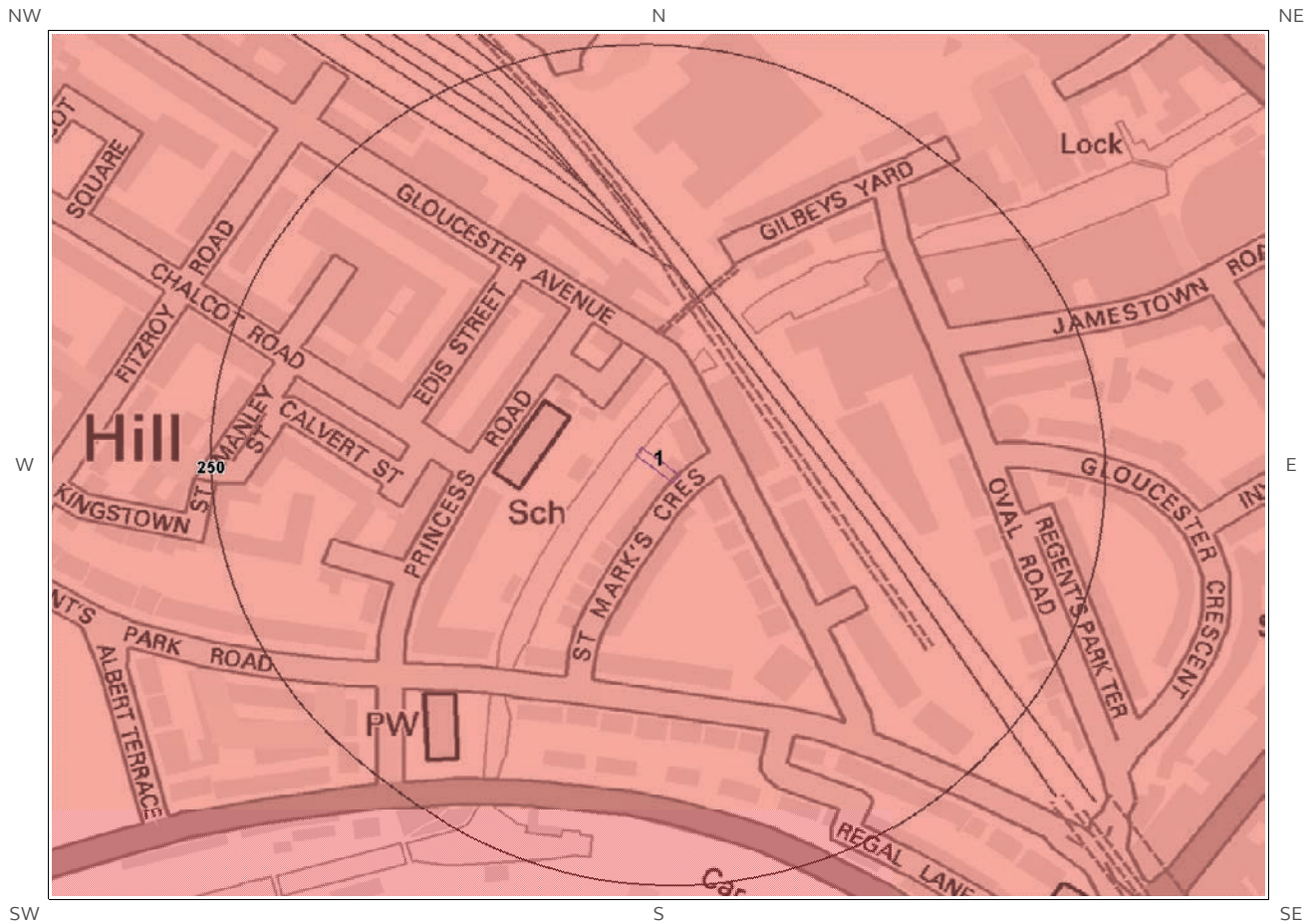


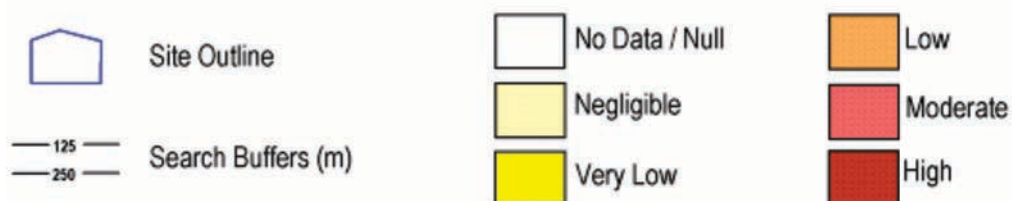
6 Natural Ground Subsidence

6.1 Shrink-Swell Clay map

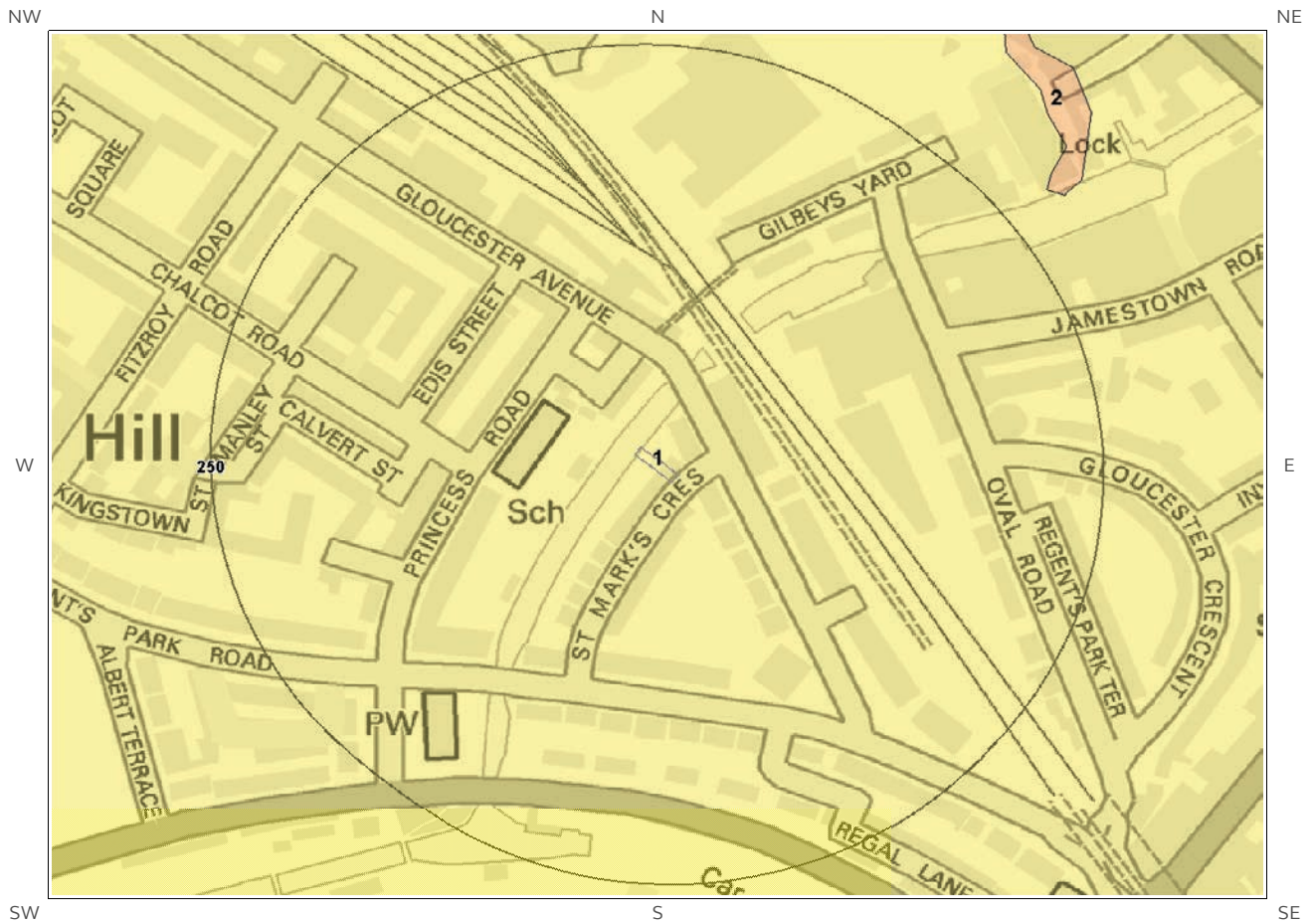


Shrink Swell Clay Legend

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6.2 Landslides map

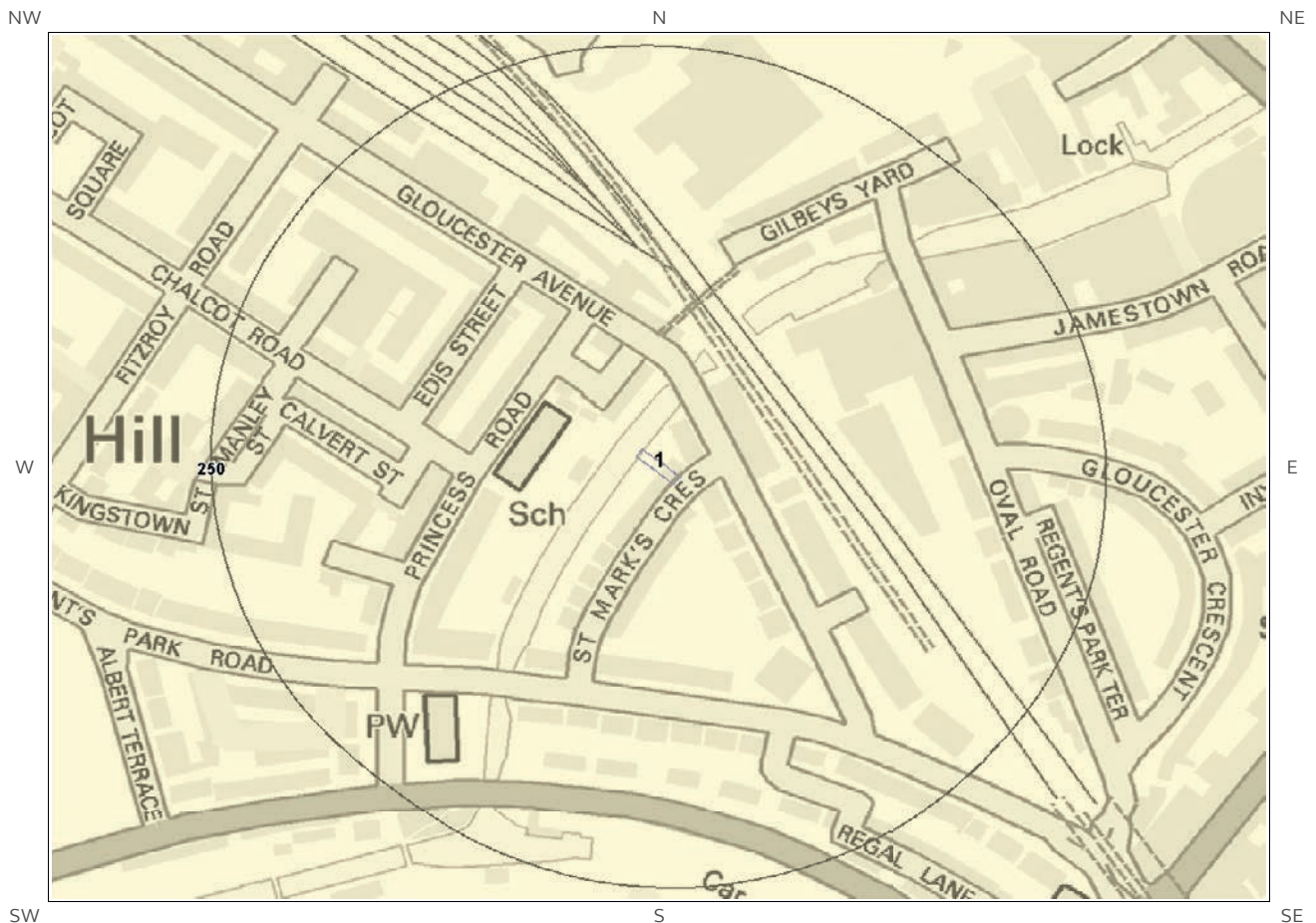


Landslides Legend

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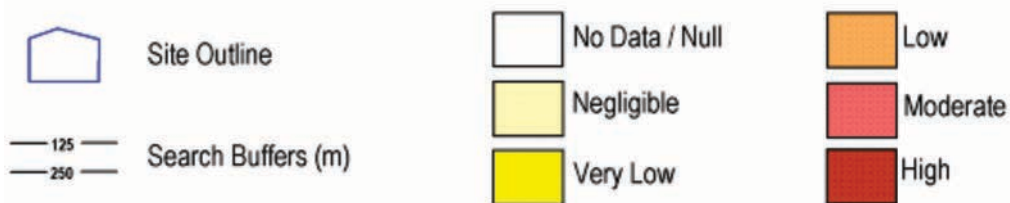


6.3 Ground Dissolution of Soluble Rocks map

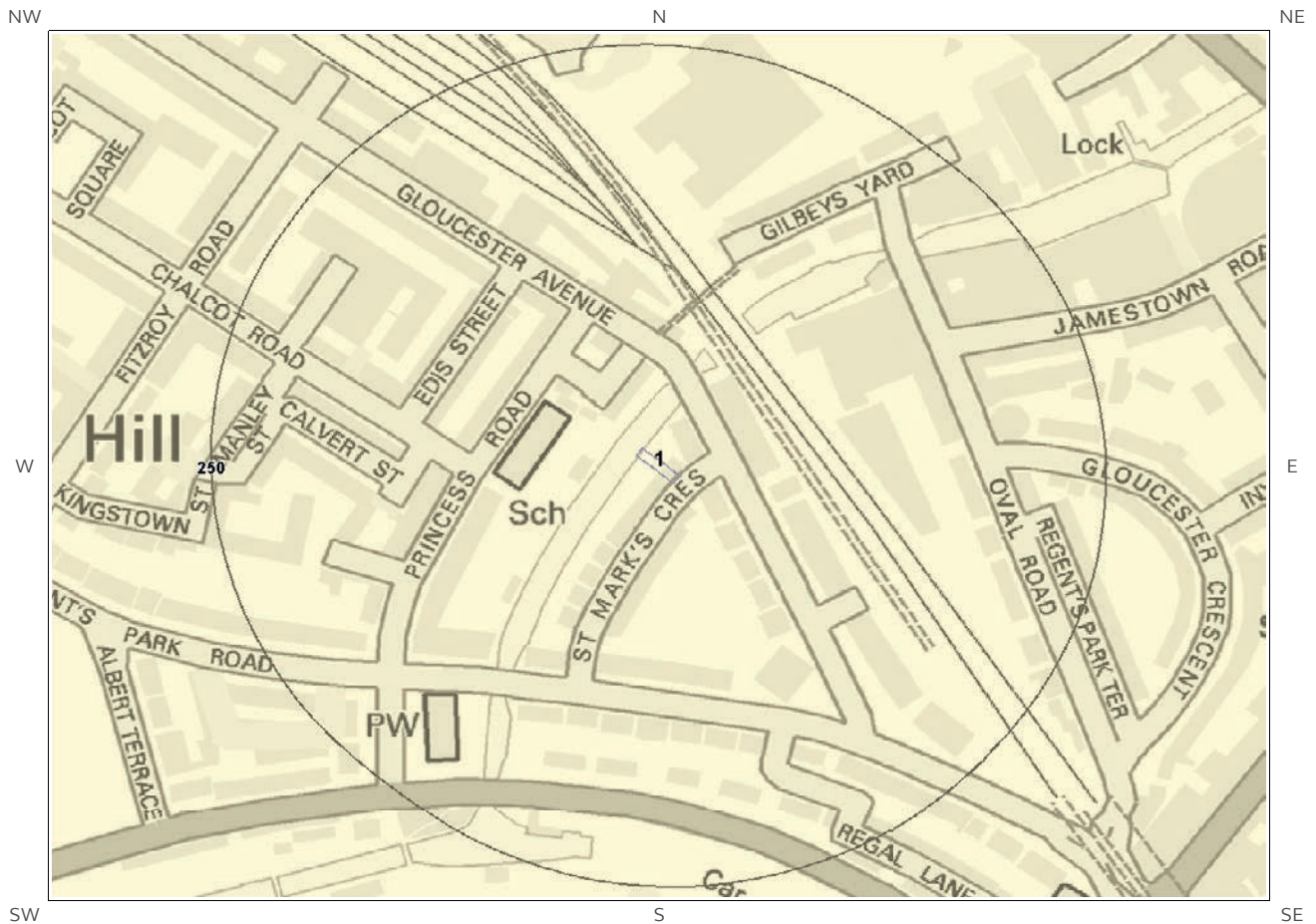


Ground Dissolution
Soluble Rocks Legend

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6.4 Compressible Deposits map

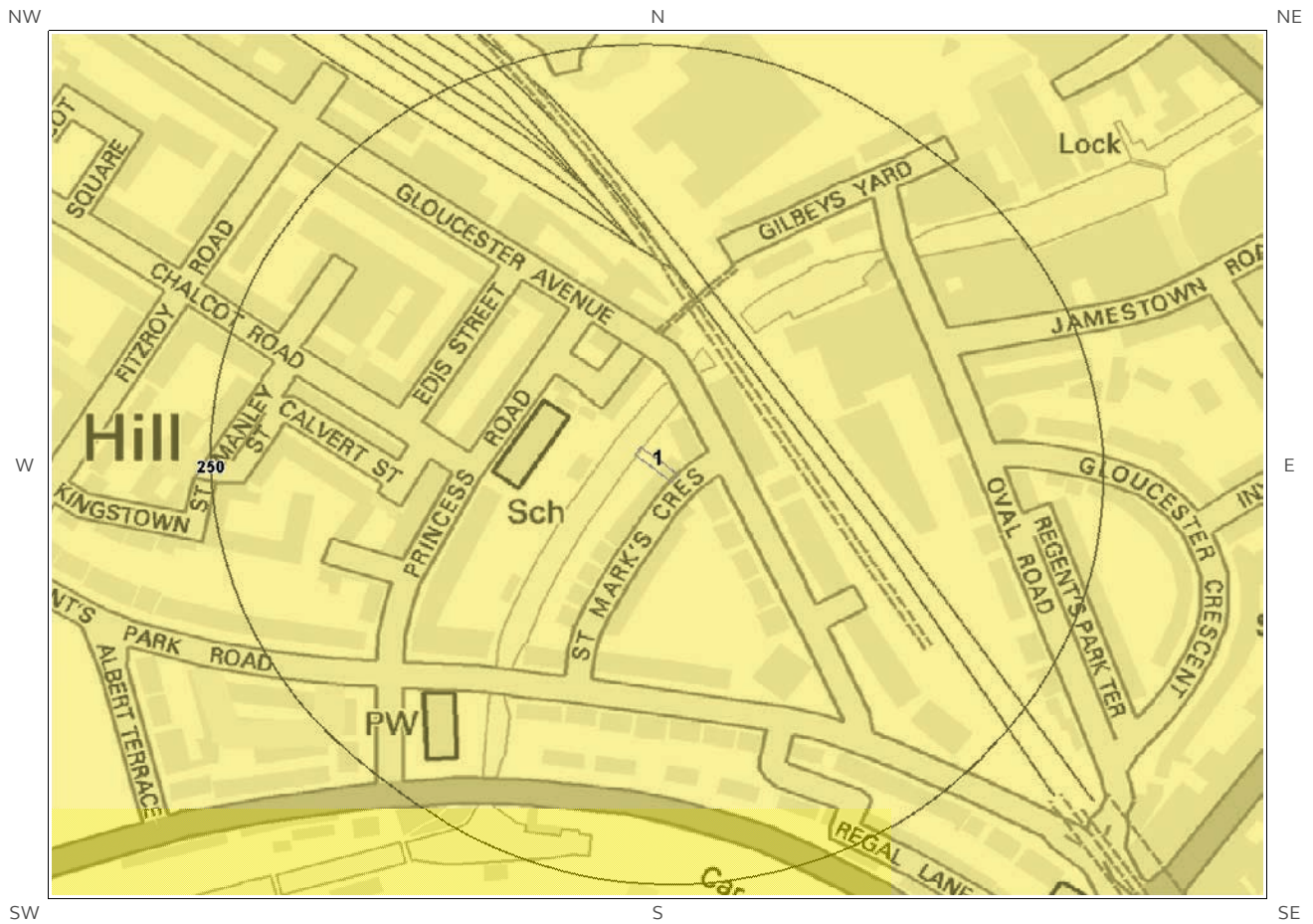


Compressible Deposits Legend

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6.5 Collapsible Deposits map

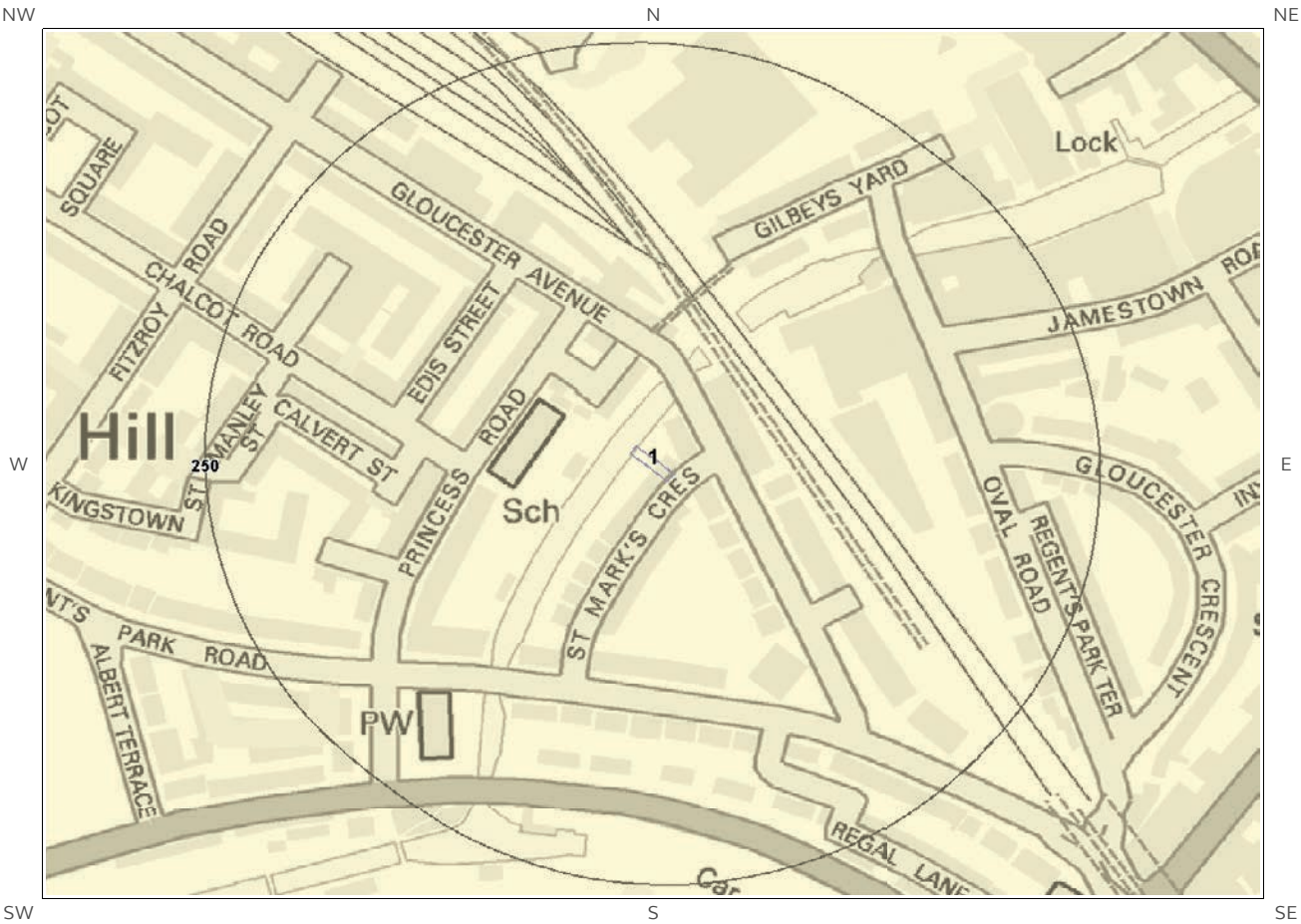


Collapsible Deposits Legend

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6.6 Running Sand map



Running Sand Legend

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6 Natural Ground Subsidence

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

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

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

6.1 Shrink-Swell Clays

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

ID	Distance (m)	Direction	Hazard Rating	Details
1	0.0	On Site	Moderate	Ground conditions predominantly high plasticity. Do not plant or remove trees or shrubs near to buildings without expert advice about their effect and management. For new build, consideration should be given to advice published by the National House Building Council (NHBC) and the Building Research Establishment (BRE). There is a probable increase in construction cost to reduce potential shrink-swell problems. For existing property, there is a probable increase in insurance risk during droughts or where vegetation with high moisture demands is present.

6.2 Landslides

The following Landslides information provided by the British Geological Survey:

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

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

6.3 Ground Dissolution of Soluble Rocks

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

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

6.4 Compressible Deposits

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

ID	Distance (m)	Direction	Hazard Rating	Details
1	0.0	On Site	Negligible	No indicators for compressible 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.

6.5 Collapsible Deposits

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

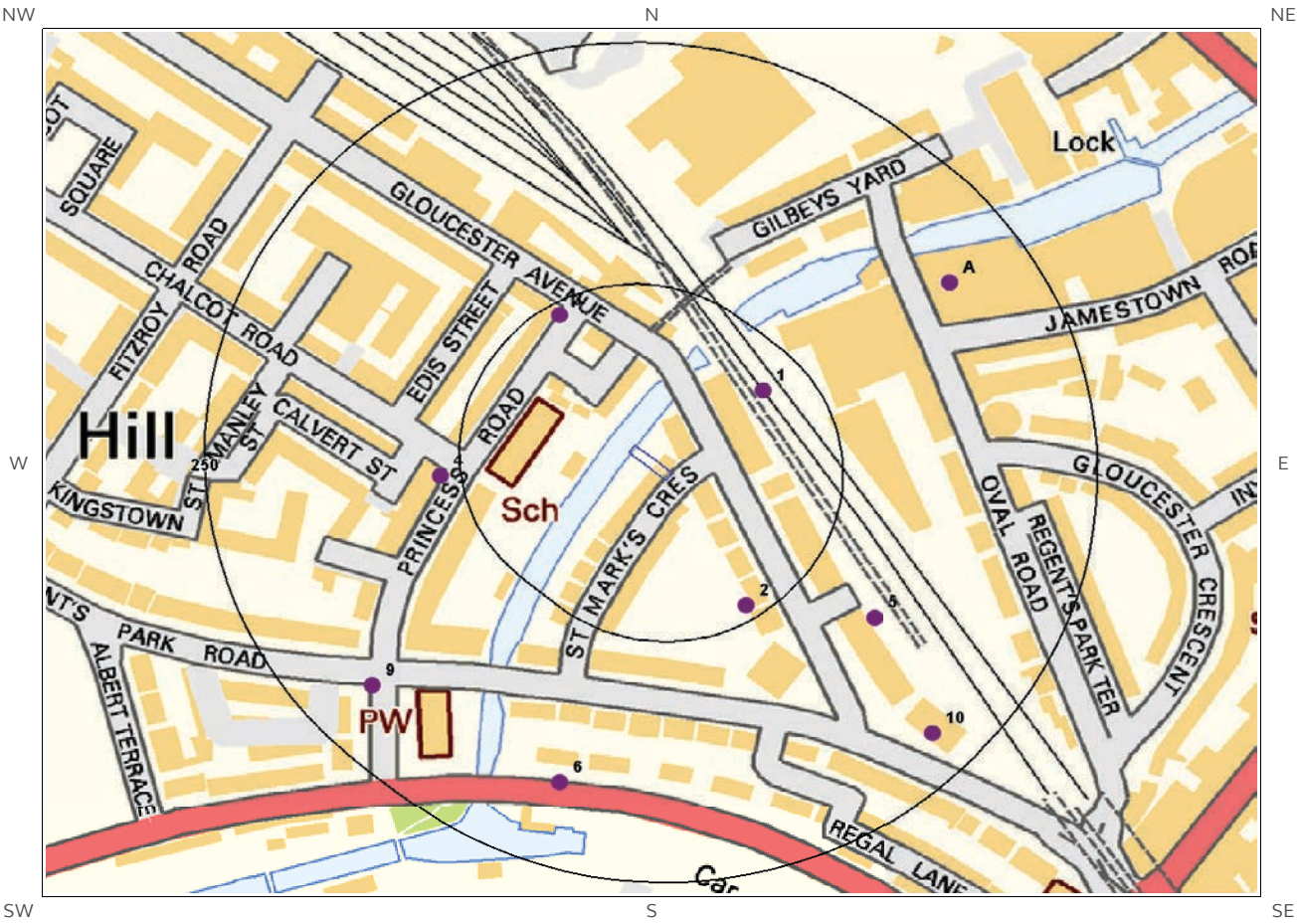
ID	Distance (m)	Direction	Hazard Rating	Details
1	0.0	On Site	Very Low	Deposits with potential to collapse when loaded and saturated are unlikely to be present. No special ground investigation required or increased construction costs or increased financial risk due to potential problems with collapsible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

6.6 Running Sands

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

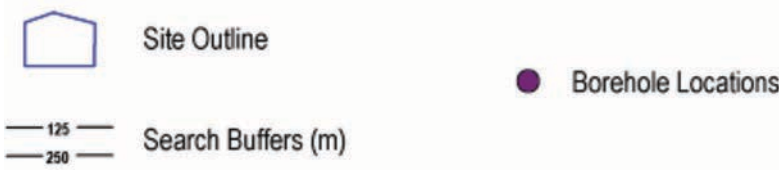
ID	Distance (m)	Direction	Hazard Rating	Details
1	0.0	On Site	Negligible	No indicators for running sand identified. No special actions required to avoid problems due to running sand. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due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

7 Borehole Records map



Borehole Records Legend

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7 Borehole Records

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

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

10

ID	Distance (m)	Direction	NGR	BGS Reference	Drilled Length	Borehole Name
1	73.0	NE	528440 183933	TQ28SE1829	3.0	CHANNEL TUNNEL RAIL LINK TP3739
2	91.0	SE	528430 183800	TQ28SE637	18.0	GLOUCESTER AVENUE NW.1 1
3	92.0	NW	528320 183980	TQ28SE1215	10.0	GLOUCESTER AVE SEWER 1
4	112.0	W	528250 183880	TQ28SE1216	15.0	GLOUCESTER AVE SEWER 2
5	149.0	SE	528506 183792	TQ28SE7	91.0	PICKFORDS CAMDEN TOWN ST PANCRAS
6	198.0	S	528320 183690	TQ28SE308	10.0	ALBERT ROAD C31 ST PANCRAS
7A	201.0	NE	528550 184000	TQ28SE686/A	3.0	GILBEY'S WAREH'SE CAMDEN.BH.1-
8A	201.0	NE	528550 184000	TQ28SE686/A-D	4.0	GILBEYS WAREHOUSE CAMDEN TOWN BH1-3
9	209.0	SW	528210 183750	TQ28SE1217	20.0	GLOUCESTER AVE SEWER 3
10	222.0	SE	528540 183720	TQ28SE309	13.0	ALBERT ROAD C32 ST PANCRAS

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

- #1: scans.bgs.ac.uk/sobi_scans/boreholes/15614879
- #2: scans.bgs.ac.uk/sobi_scans/boreholes/592204
- #3: scans.bgs.ac.uk/sobi_scans/boreholes/592796
- #4: scans.bgs.ac.uk/sobi_scans/boreholes/592797
- #5: scans.bgs.ac.uk/sobi_scans/boreholes/591491
- #6: scans.bgs.ac.uk/sobi_scans/boreholes/591827
- #7A: scans.bgs.ac.uk/sobi_scans/boreholes/592259
- #8A: scans.bgs.ac.uk/sobi_scans/boreholes/592260
- #9: scans.bgs.ac.uk/sobi_scans/boreholes/592798
- #10: scans.bgs.ac.uk/sobi_scans/boreholes/591828

8 Estimated Background Soil Chemistry

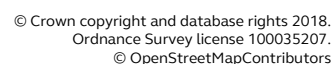
Records of background estimated soil chemistry within 250m of the study site boundary:

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

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? No

Database searched and no data found.

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? Yes

ID	Distance (m)	Direction	NGR	Details	Date
33	56	NE	n/a	Railway	1930
1	58	NE	528377 184105	Railway Sidings	1957
2	59	NE	528395 184032	Railway Sidings	1973
3	59	NE	528395 184032	Railway Sidings	1968
34L	61	NE	528381 184023	Railway Sidings	1916
12D	62	NE	528442 183911	Tunnel	1969

ID	Distance (m)	Direction	NGR	Details	Date
13E	62	NE	528460 183888	Tunnel	1968
14D	62	NE	528445 183911	Tunnel	1978
15E	62	NE	528460 183887	Tunnel	1971
16D	62	NE	528442 183913	Tunnel	1991
17D	62	NE	528442 183913	Tunnel	1987
35H	62	NE	n/a	Railways	1875
36H	62	NE	n/a	Railways	1871
37H	62	NE	n/a	Railways	1930
38I	63	NE	n/a	Railways	1916
39I	63	NE	n/a	Railways	1871
40J	63	NE	n/a	Railways	1930
41J	63	NE	n/a	Railways	1875
42J	63	NE	n/a	Railways	1897
4A	64	N	528135 184166	Railway Sidings	1882
43	65	N	n/a	Railway	1879
44K	66	NE	528396 183973	Railway Sidings	1952
45K	66	NE	528395 183973	Railway Sidings	1952
46	68	E	528477 183856	Railway Sidings	1952
47	68	E	528530 183770	Railway Sidings	1952
48	69	N	528348 184140	Railway Sidings	1875
49L	71	NE	528383 184019	Railway Sidings	1896
50	72	NE	n/a	Railway	1896
5A	85	N	528162 184160	Railway Sidings	1948
6C	86	NE	528366 184156	Railway Sidings	1894
7B	86	N	528320 184188	Railway Sidings	1920
8B	86	N	528320 184188	Railway Sidings	1938
9	90	N	528199 184182	Railway Sidings	1989
10M	91	N	528201 184135	Railway Sidings	1911
81	95	N	528256 184173	Tunnel	1989
11C	96	NE	528412 184158	Railway Sidings	1911
51M	101	N	528218 184126	Railway Sidings	1994
52M	101	N	528218 184126	Railway Sidings	1995
53M	101	N	528218 184126	Railway Sidings	1996

ID	Distance (m)	Direction	NGR	Details	Date
54	101	N	528250 184173	Railway Sidings	1965
55	101	N	528196 184140	Railway Sidings	1952
56N	101	N	528298 184181	Railway Sidings	1952
57N	101	N	528298 184181	Railway Sidings	1952
58A	101	N	528250 184174	Railway Sidings	1973
18F	102	N	528261 184167	Tunnel	1965
19F	102	N	528261 184167	Tunnel	1996
20F	102	N	528261 184167	Tunnel	1995
21F	102	N	528261 184167	Tunnel	1994
22F	102	N	528261 184167	Tunnel	1973
59O	102	N	528205 184149	Railway Sidings	1991
60O	102	N	528205 184149	Railway Sidings	1987
61O	102	N	528205 184149	Railway Sidings	1991
62	102	N	528250 184155	Railway Sidings	1982
63	102	N	528321 184174	Railway Sidings	1970
64N	102	N	528298 184181	Railway Sidings	1968
23F	103	N	528259 184167	Tunnel	1987
24F	103	N	528259 184167	Tunnel	1991
25F	103	N	528259 184167	Tunnel	1982
26F	103	N	528259 184167	Tunnel	1991
27F	103	N	528263 184167	Tunnel	1970
65	103	E	n/a	Railway	1870
28F	104	N	528261 184167	Tunnel	1968
66	105	N	n/a	Railway	1930
67	110	E	n/a	Railway	1870
68	113	NE	528368 184155	Railway Sidings	1952
69	115	N	n/a	Railway	1916
29G	124	SE	528517 183803	Tunnel	1969
30G	124	SE	528518 183803	Tunnel	1982
31G	124	SE	528518 183803	Tunnel	1991
32G	124	SE	528518 183803	Tunnel	1995

ID	Distance (m)	Direction	NGR	Details	Date
70P	125	SE	528538 183759	Railway Sidings	1952
71P	125	SE	528538 183759	Railway Sidings	1952
72Q	136	SE	528563 183757	Railway Sidings	1952
73Q	136	SE	528563 183757	Railway Sidings	1968
74	147	NW	528224 183986	Railway Sidings	1896
75	153	NW	528222 183990	Railway Sidings	1916
76	167	SE	n/a	Railway	1897
77R	170	NE	528504 184024	Railway Sidings	1952
78R	170	NE	528504 184024	Railway Sidings	1963
79S	185	NE	528501 184034	Railway Sidings	1975
80S	185	NE	528501 184034	Railway Sidings	1975

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? Yes

Distance (m)	Direction	Status
62	NE	Disused
67	NE	Abandoned
77	NE	Abandoned
180	SE	Disused

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? Yes

Distance (m)	Direction	Name	Type
64	NE	Not given	Rail
64	NE	Not given	Rail
66	NE	Down Fast	Rail
66	NE	Down Fast	Rail
68	E	Down Fast	Rail
68	E	Down Fast	Rail
69	NE	Not given	Rail
69	NE	Not given	Rail
73	NE	Euston Station Railway Bridges	Rail
73	NE	Not given	Rail
73	NE	Not given	Multi Track
73	NE	Not given	Multi Track
73	NE	Euston Station Railway Bridges	Rail
73	NE	Not given	Rail
74	NE	Not given	Rail
74	NE	Not given	Rail
76	NE	Euston Station Railway Bridges	Rail
76	NE	Euston Station Railway Bridges	Rail
78	NE	West Coast Main Line	Rail
78	NE	West Coast Main Line	Rail
82	NE	Not given	Rail
82	NE	Euston Station Railway Bridges	Rail
82	NE	Not given	Rail
82	NE	Euston Station Railway Bridges	Rail
83	NE	Not given	Rail
83	NE	Not given	Multi Track
83	NE	Not given	Multi Track
83	NE	Not given	Rail
86	NE	Down Fast	Rail
86	NE	Euston Station Railway Bridges	Rail
86	NE	Up Fast	Rail
86	NE	Down Fast	Rail
86	NE	Euston Station Railway Bridges	Rail
86	NE	Up Fast	Rail
90	E	Not given	Rail
90	NE	Not given	Rail
90	NE	Euston Station Railway Bridges	Rail
90	E	Not given	Rail
90	NE	Not given	Rail
90	NE	Euston Station Railway Bridges	Rail
94	NE	Euston Station Railway Bridges	Rail
94	NE	West Coast Main Line	Rail
94	NE	Euston Station Railway Bridges	Rail

Distance (m)	Direction	Name	Type
94	NE	West Coast Main Line	Rail
98	NE	Not given	Rail
98	NE	Not given	Rail
102	NE	Up Fast	Rail
102	NE	Up Fast	Rail
106	N	Not given	Rail
106	N	Not given	Rail
112	N	Not given	Multi Track
112	N	Not given	Multi Track
112	N	Not given	Multi Track
112	N	Not given	Multi Track
126	N	Not given	Rail
126	N	Not given	Multi Track
126	N	Not given	Multi Track
126	N	Not given	Multi Track
126	N	Not given	Multi Track
126	N	Not given	Rail
132	N	Not given	Rail
132	N	Not given	Rail
149	N	Not given	Rail
149	N	Not given	Rail
151	N	Not given	Rail
151	N	Not given	Rail
165	N	Not given	Rail
165	N	Not given	Rail
165	N	Not given	Rail
165	N	Not given	Rail
178	N	Not given	Rail
178	N	Not given	Rail
183	N	Not given	Rail
183	N	Not given	Rail
196	N	Not given	Rail
196	N	Not given	Rail

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? No

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.

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Contents Page

Contents Page	3
Overview of Findings	6
Using this report	10
1. Historical Land Use	11
1. Historical Industrial Sites	12
1.1 Potentially Contaminative Uses identified from 1:10,000 scale Mapping.....	12
1.2 Additional Information – Historical Tank Database.....	15
1.3 Additional Information – Historical Energy Features Database.....	15
1.4 Additional Information – Historical Petrol and Fuel Site Database.....	18
1.5 Additional Information – Historical Garage and Motor Vehicle Repair Database.....	18
1.6 Potentially Infilled Land.....	20
2. Environmental Permits, Incidents and Registers Map	22
2. Environmental Permits, Incidents and Registers	23
2.1 Industrial Sites Holding Licences and/or Authorisations.....	23
2.1.1 Records of historic IPC Authorisations within 500m of the study site:.....	23
2.1.2 Records of Part A(1) and IPPC Authorised Activities within 500m of the study site:.....	23
2.1.3 Records of Red List Discharge Consents (potentially harmful discharges to controlled waters) within 500m of the study site:.....	23
2.1.4 Records of List 1 Dangerous Substances Inventory Sites within 500m of the study site:.....	23
2.1.5 Records of List 2 Dangerous Substance Inventory Sites within 500m of the study site:.....	24
2.1.6 Records of Part A(2) and Part B Activities and Enforcements within 500m of the study site:	24
2.1.7 Records of Category 3 or 4 Radioactive Substances Authorisations:.....	25
2.1.8 Records of Licensed Discharge Consents within 500m of the study site:.....	26
2.1.9 Records of Water Industry Referrals (potentially harmful discharges to the public sewer) within 500m of the study site:	26
2.1.10 Records of Planning Hazardous Substance Consents and Enforcements within 500m of the study site:.....	26
2.2 Dangerous or Hazardous Sites.....	26
2.3 Environment Agency/Natural Resources Wales Recorded Pollution Incidents.....	27
2.3.1 Records of National Incidents Recording System, List 2 within 500m of the study site:.....	27
2.3.2 Records of National Incidents Recording System, List 1 within 500m of the study site:.....	27
2.4 Sites Determined as Contaminated Land under Part 2A EPA 1990.....	27
3. Landfill and Other Waste Sites Map	28
3. Landfill and Other Waste Sites	29
3.1 Landfill Sites.....	29
3.1.1 Records from Environment Agency/Natural Resources Wales landfill data within 1000m of the study site:	29
3.1.2 Records of Environment Agency/Natural Resources Wales historic landfill sites within 1500m of the study site:	29
3.1.3 Records of BGS/DoE non-operational landfill sites within 1500m of the study site:.....	29
3.1.4 Records of Landfills from Local Authority and Historical Mapping Records within 1500m of the study site:.....	29
3.2 Other Waste Sites.....	29
3.2.1 Records of waste treatment, transfer or disposal sites within 500m of the study site:	29
3.2.2 Records of Environment Agency/Natural Resources Wales licensed waste sites within 1500m of the study site:	30
4. Current Land Use Map	32
4. Current Land Uses	33
4.1 Current Industrial Data.....	33
4.2 Petrol and Fuel Sites.....	34
4.3 National Grid High Voltage Underground Electricity Transmission Cables.....	35
4.4 National Grid High Pressure Gas Transmission Pipelines.....	36

5. Geology	37
5.1 Artificial Ground and Made Ground.....	37
5.2 Superficial Ground and Drift Geology	37
5.3 Bedrock and Solid Geology	37
6 Hydrogeology and Hydrology	38
6a. Aquifer Within Superficial Geology	38
6b. Aquifer Within Bedrock Geology and Abstraction Licenses	39
6c. Hydrogeology – Source Protection Zones and Potable Water Abstraction Licenses	40
6d. Hydrogeology – Source Protection Zones within confined aquifer	41
6e. Hydrology – Watercourse Network and River Quality	42
6. Hydrogeology and Hydrology	43
6.1 Aquifer within Superficial Deposits.....	43
6.2 Aquifer within Bedrock Deposits.....	43
6.3 Groundwater Abstraction Licences.....	43
6.4 Surface Water Abstraction Licences.....	48
6.5 Potable Water Abstraction Licences.....	49
6.6 Source Protection Zones.....	50
6.7 Source Protection Zones within Confined Aquifer.....	51
6.8 Groundwater Vulnerability and Soil Leaching Potential.....	51
6.9 River Quality.....	51
6.9.1 Biological Quality:.....	51
6.9.2 Chemical Quality:.....	51
6.10 Ordnance Survey MasterMap Water Network.....	52
6.11 Surface Water Features.....	53
7a. Environment Agency/Natural Resources Wales Flood Map for Planning (from rivers and the sea)	54
7b. Environment Agency/Natural Resources Wales Risk of Flooding from Rivers and the Sea (RoFRaS)	55
Map	55
7 Flooding	56
7.1 River and Coastal Zone 2 Flooding.....	56
7.2 River and Coastal Zone 3 Flooding.....	56
7.3 Risk of Flooding from Rivers and the Sea (RoFRaS) Flood Rating.....	56
7.4 Flood Defences.....	56
7.5 Areas benefiting from Flood Defences.....	56
7.6 Areas benefiting from Flood Storage.....	57
7.7 Groundwater Flooding Susceptibility Areas.....	57
7.8 Groundwater Flooding Confidence Areas.....	57
8. Designated Environmentally Sensitive Sites Map	58
8. Designated Environmentally Sensitive Sites	59
8.1 Records of Sites of Special Scientific Interest (SSSI) within 2000m of the study site:.....	59
8.2 Records of National Nature Reserves (NNR) within 2000m of the study site:.....	59
8.3 Records of Special Areas of Conservation (SAC) within 2000m of the study site:.....	59
8.4 Records of Special Protection Areas (SPA) within 2000m of the study site:.....	59
8.5 Records of Ramsar sites within 2000m of the study site:.....	59
8.6 Records of Ancient Woodland within 2000m of the study site:	60
8.7 Records of Local Nature Reserves (LNR) within 2000m of the study site:.....	60
8.8 Records of World Heritage Sites within 2000m of the study site:.....	60
8.9 Records of Environmentally Sensitive Areas within 2000m of the study site:	60
8.10 Records of Areas of Outstanding Natural Beauty (AONB) within 2000m of the study site:	60
8.11 Records of National Parks (NP) within 2000m of the study site:	60
8.12 Records of Nitrate Sensitive Areas within 2000m of the study site:.....	61
8.13 Records of Nitrate Vulnerable Zones within 2000m of the study site:.....	61

8.14 Records of Green Belt land within 2000m of the study site:.....	61
9. Natural Hazards Findings.....	62
9.1 Detailed BGS GeoSure Data.....	62
9.1.1 Shrink Swell.....	62
9.1.2 Landslides.....	62
9.1.3 Soluble Rocks.....	62
9.1.4 Compressible Ground.....	63
9.1.5 Collapsible Rocks.....	63
9.1.6 Running Sand.....	63
9.2 Radon.....	64
9.2.1 Radon Affected Areas.....	64
9.2.2 Radon Protection.....	64
10. Mining.....	65
10.1 Coal Mining.....	65
10.2 Non-Coal Mining.....	65
10.3 Brine Affected Areas	65
Contact Details.....	66
Standard Terms and Conditions.....	68

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	48	77
1.2 Additional Information – Historical Tank Database	0	0	4	16
1.3 Additional Information – Historical Energy Features Database	0	9	18	63
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	6	80
1.6 Potentially Infilled Land	0	8	6	16
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	1	0
2.1.6 Records of Part A(2) and Part B Activities and Enforcements	0	0	2	10
2.1.7 Records of Category 3 or 4 Radioactive Substances Authorisations	0	0	0	1
2.1.8 Records of Licensed Discharge Consents	0	1	0	2
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
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	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	2	0	8

Section 4: Current Land Use	On-site	0-50m	51-250	251-500
4.1 Current Industrial Sites Data	0	1	22	Not searched
4.2 Records of Petrol and Fuel Sites	0	0	0	3
4.3 National Grid Underground Electricity Cables	0	4	8	4
4.4 National Grid Gas Transmission Pipelines	0	0	0	0

Section 5: Geology	
5.1 Records of Artificial Ground and Made Ground present beneath the study site	None identified
5.2 Records of Superficial Ground and Drift Geology present beneath the study site	None identified
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 Records of Strata Classification in the Superficial Geology within 500m of the study site				None identified		
6.2 Records of Strata Classification in the Bedrock Geology within 500m of the study site				Identified		
	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	9	19
6.4 Surface Water Abstraction Licences (within 2000m of the study site)	0	0	2	0	0	4
6.5 Potable Water Abstraction Licences (within 2000m of the study site)	0	0	0	0	5	6
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	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 Environment Agency/Natural Resources Wales information on river quality within 1500m of the study site	No	No	No	No	Yes	No
6.10 Ordnance Survey MasterMap Water Network entries within 500m of the site	0	2	0	8	Not searched	Not searched
6.11 Surface water features within 250m of the study site	Yes	No	Yes	Not searched	Not searched	Not searched

Section 7: Flooding

7.1 Environment Agency Zone 2 floodplains within 250m of the study site	None identified					
7.2 Environment Agency/Natural Resources Wales Zone 3 floodplains within 250m of the study site	None identified					
7.3 Risk of flooding from Rivers and the Sea (RoFRaS) rating for the study site	Very Low					
7.4 Flood Defences within 250m of the study site	None identified					
7.5 Areas benefiting from Flood Defences within 250m of the study site	None identified					
7.6 Areas used for Flood Storage within 250m of the study site	None identified					
7.7 Maximum BGS Groundwater Flooding susceptibility within 50m of the study site	Not Prone					
7.8 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	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	3
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 Maximum risk of natural ground subsidence	Moderate
9.1.1 Maximum Shrink-Swell hazard rating identified on the study site	Moderate
9.1.2 Maximum Landslides hazard rating identified on the study site	Very Low
9.1.3 Maximum Soluble Rocks hazard rating identified on the study site	Negligible
9.1.4 Maximum Compressible Ground hazard rating identified on the study site	Negligible
9.1.5 Maximum Collapsible Rocks hazard rating identified on the study site	Very Low
9.1.6 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 site 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 Coal mining areas within 75m of the study site	None identified
10.2 Non-Coal Mining areas within 50m of the study site boundary	None identified
10.3 Brine affected areas within 75m of the study site	None identified

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.

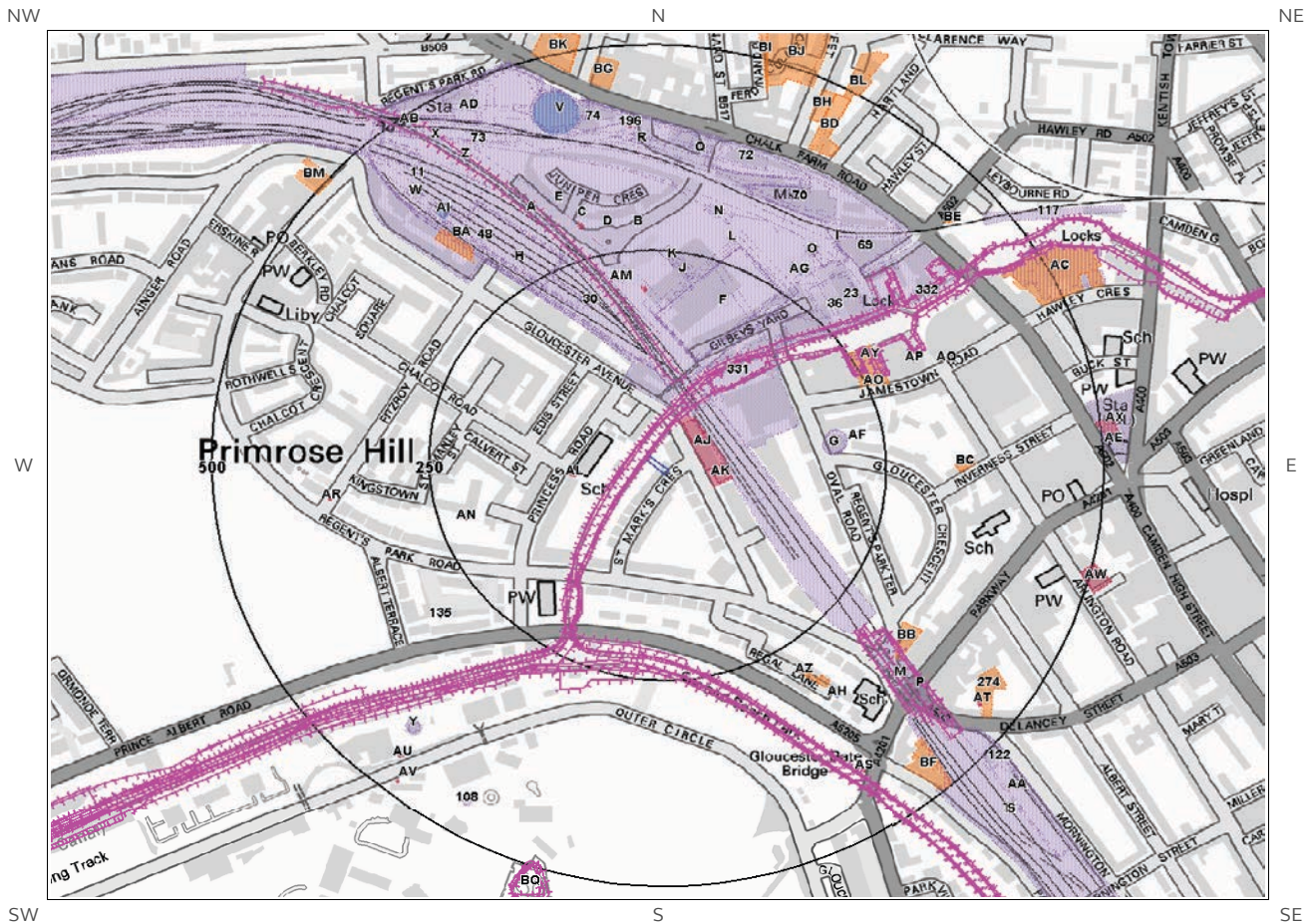
Note: Maps

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).

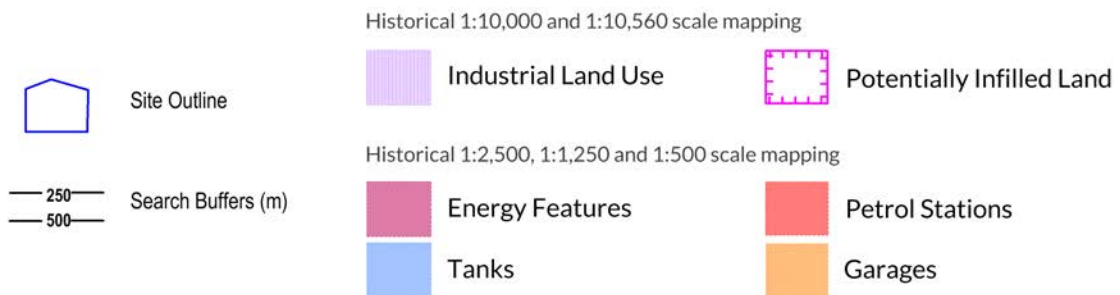
Where a feature is reported in the data tables to a distance greater than the map area, it is noted in the data table as "Not Shown".

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: 125

ID	Distance [m]	Direction	Use	Date
1A	58	NE	Railway Sidings	1957
2A	59	NE	Railway Sidings	1973
3A	59	NE	Railway Sidings	1968
4B	64	N	Goods Depot	1882
5C	64	N	Railway Sidings	1882
6B	75	NE	Railway Land	1911
7C	85	N	Railway Sidings	1948
8E	86	NE	Railway Sidings	1894
9D	86	N	Railway Sidings	1938
10D	86	N	Railway Sidings	1920
11	90	N	Railway Sidings	1989
12H	91	N	Railway Sidings	1911
13A	95	N	Tunnel	1989
14E	96	NE	Railway Sidings	1911
15F	123	NE	Goods Shed	1957
16F	124	NE	Goods Shed	1968
17F	124	NE	Goods Shed	1973
18F	124	NE	Goods Station	1911
19F	127	NE	Goods Shed	1882
20F	129	NE	Goods Station	1894
21F	130	NE	Goods Station	1920
22F	130	NE	Goods Station	1938
23	131	NE	Goods Station	1948
24G	179	E	Unspecified Tank	1920
25G	182	E	Unspecified Tank	1968
26G	182	E	Unspecified Tank	1973
27G	182	E	Unspecified Tank	1989
28G	183	E	Unspecified Tank	1948
29H	192	NW	Railway Building	1911
30	195	N	Railway Building	1948
31H	197	NW	Engine Shed	1882
32H	197	NW	Railway Building	1894
33H	199	NW	Engine Shed	1948

34I	200	NE	Unspecified Commercial/Industrial	1920
35I	200	NE	Unspecified Commercial/Industrial	1938
36	201	NE	Railway Building	1894
37H	203	NW	Engine Shed	1920
38H	203	NW	Engine Shed	1938
39AM	213	N	Railway Building	1948
40J	217	N	Railway Building	1911
41J	221	N	Railway Building	1938
42J	221	N	Railway Building	1920
43J	221	N	Railway Building	1948
44J	222	N	Railway Building	1894
45K	231	N	Railway Building	1968
46K	231	N	Goods Station	1973
47BA	240	NW	Goods Station	1957
48	242	NW	Goods Station	1968
49L	276	N	Railway Building	1894
50L	279	N	Railway Building	1948
51M	290	SE	Tunnel	1938
52M	290	SE	Tunnel	1920
53M	292	SE	Tunnel	1968
54M	292	SE	Tunnel	1957
55M	292	SE	Tunnel	1948
56N	297	N	Railway Building	1920
57M	297	SE	Tunnel	1973
58M	297	SE	Tunnel	1989
59N	301	N	Railway Building	1957
60N	301	N	Railway Building	1948
61O	302	NE	Railway Building	1973
62O	302	NE	Railway Building	1968
63O	304	NE	Railway Buildings	1894
64N	305	N	Railway Building	1894
65O	307	NE	Railway Station	1920
66O	309	NE	Railway Building	1948
67P	315	SE	Tunnel	1973
68P	315	SE	Tunnel	1989
69	329	NE	Railway Building	1894
70	339	NE	Railway Building	1894
71Q	368	N	Railway Building	1894
72	371	N	Railway Building	1894
73	372	NW	Railway Station	1882
74	373	N	Unspecified Warehouses	1948
75Q	374	N	Railway Building	1973
76Q	374	N	Railway Building	1968
77R	378	N	Railway Building	1938

78R	378	N	Railway Building	1920
79R	379	N	Railway Building	1894
80S	401	SE	Railway Sidings	1989
81S	401	SE	Railway Sidings	1973
82T	405	SE	Railway Sidings	1938
83T	405	SE	Railway Sidings	1920
84Z	405	NW	Railway Buildings	1948
85X	406	N	Railway Station	1911
86V	406	N	Railway Building	1894
87U	406	SE	Railway Sidings	1968
88U	406	SE	Railway Sidings	1957
89U	406	SE	Railway Sidings	1948
90V	407	N	Unspecified Warehouse	1920
91V	407	N	Unspecified Warehouse	1938
92W	408	NW	Railway Building	1973
93W	408	NW	Railway Building	1989
94V	408	N	Unspecified Tank	1882
95X	411	N	Railway Station	1894
96Y	411	SW	Unspecified Tank	1968
97Y	411	SW	Unspecified Tank	1989
98X	412	NW	Railway Station	1948
99V	412	N	Railway Building	1973
100V	412	N	Railway Building	1968
101Y	413	SW	Unspecified Tank	1973
102Z	413	NW	Railway Building	1957
103X	416	NW	Railway Station	1920
104X	416	NW	Railway Station	1938
105AA	442	SE	Carriage Shed	1948
106AA	442	SE	Railway Building	1957
107AA	442	SE	Carriage Shed	1968
108	451	SW	Unspecified Tank	1948
109AB	457	NW	Railway Station	1957
110AC	459	NE	Brewery	1948
111AB	460	NW	Railway Station	1989
112AB	460	NW	Railway Station	1973
113AB	460	NW	Railway Station	1968
114AD	465	NW	Railway Building	1894
115AC	470	NE	Brewery	1920
116AC	470	NE	Brewery	1938
117	470	NE	Railway Station	1894
118AX	485	E	Electricity Railway Station	1948
119AA	489	SE	Carriage Shed	1938
120AA	489	SE	Carriage Shed	1920
121AD	491	NW	Railway Building	1894
122	496	SE	Railway Buildings	1989
123AA	496	SE	Carriage Shed	1973

124AE	498	E	Electricity Railway Station	1920
125AE	498	E	Electricity Railway Station	1938

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:

20

ID	Distance (m)	Direction	Use	Date
126AF	217	E	Unspecified Tank	1952
127AF	217	E	Unspecified Tank	1952
128AF	222	E	Unspecified Tank	1952
129AF	224	E	Unspecified Tank	1916
130AY	266	NE	Unspecified Tank	1896
131AG	280	NE	Unspecified Tank	1992
132AG	281	NE	Unspecified Tank	1991
133AG	281	NE	Unspecified Tank	1991
134AG	281	NE	Unspecified Tank	1986
135	302	SW	Unspecified Tank	1875
136AP	311	NE	Unspecified Tank	1916
137AH	330	SE	Unspecified Tank	1968
138AH	330	SE	Unspecified Tank	1969
139AI	373	NW	Unspecified Tank	1952
140AI	374	NW	Unspecified Tank	1952
141AI	374	NW	Unspecified Tank	1952
142V	405	N	Unspecified Tank	1896
143Z	420	NW	Unspecified Tank	1952
144Z	421	NW	Unspecified Tank	1952
145Z	421	NW	Unspecified Tank	1952

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:

90

ID	Distance (m)	Direction	Use	Date
146AJ	38	NE	Electricity Substation	1952
147AJ	40	NE	Electricity Substation	1952

148AK	42	E	Electricity Substation	1968
149AJ	44	NE	Electricity Substation	1991
150AJ	44	NE	Electricity Substation	1987
151AJ	44	NE	Electricity Substation	1969
152AJ	44	NE	Electricity Substation	1968
153AJ	44	NE	Electricity Substation	1971
154AJ	44	NE	Electricity Substation	1969
155AK	52	E	Electricity Substation	1971
156AK	52	E	Electricity Substation	1991
157AK	53	E	Electricity Substation	1987
158AK	53	E	Electricity Substation	1971
159AK	53	E	Electricity Substation	1952
160AL	82	W	Electricity Substation	1968
161AL	83	W	Electricity Substation	1969
162AL	83	W	Electricity Substation	1952
163AL	83	W	Electricity Substation	1991
164AL	83	W	Electricity Substation	1987
165AL	83	W	Electricity Substation	1995
166AL	84	W	Electricity Substation	1996
167AL	84	W	Electricity Substation	1991
168AM	199	N	Electricity Substation	1987
169AM	202	N	Electricity Substation	1952
170AN	217	W	Electricity Substation	1969
171AN	218	W	Electricity Substation	1952
172AN	218	W	Electricity Substation	1971
173AO	256	NE	Electricity Substation	1995
174AO	256	NE	Electricity Substation	1952
175AO	256	NE	Electricity Substation	1968
176AO	257	NE	Electricity Substation	1991
177AO	257	NE	Electricity Substation	1982
178AO	257	NE	Electricity Substation	1996
179AO	257	NE	Electricity Substation	1996
180AO	258	NE	Electricity Substation	1975
181AO	258	NE	Electricity Substation	1975
182C	285	N	Electricity Substation	1991
183AP	343	NE	Electricity Substation	1986
184AQ	343	NE	Electricity Substation	1992
185AQ	343	NE	Electricity Substation	1991
186AQ	344	NE	Electricity Substation	1952
187AQ	344	NE	Electricity Substation	1952
188AQ	344	NE	Electricity Substation	1991
189AQ	344	NE	Electricity Substation	1952
190AR	364	W	Electricity Substation	1969
191AR	364	W	Electricity Substation	1995
192AR	364	W	Electricity Substation	1996
193AR	365	W	Electricity Substation	1971

194AR	365	W	Electricity Substation	1968
195R	399	N	Electricity Substation	1995
196	401	N	Electricity Substation	1969
197AS	420	SE	Electricity Substation	1991
198AS	421	SE	Electricity Substation	1982
199AS	421	SE	Electricity Substation	1982
200AS	421	SE	Electricity Substation	1991
201AS	422	SE	Electricity Substation	1995
202AS	422	SE	Electricity Substation	1971
203AT	450	SE	Electricity Substation	1969
204AT	450	SE	Electricity Substation	1968
205AT	451	SE	Electricity Substation	1971
206AT	451	SE	Electricity Substation	1991
207AT	451	SE	Electricity Substation	1987
208AT	452	SE	Electricity Substation	1968
209AU	453	SW	Electricity Substation	1952
210AU	454	SW	Electricity Substation	1969
211AU	454	SW	Electricity Substation	1952
212AU	455	SW	Electricity Substation	1991
213AU	455	SW	Electricity Substation	1987
214AU	455	SW	Electricity Substation	1969
215AU	455	SW	Electricity Substation	1952
216AU	455	SW	Electricity Substation	1971
217AV	469	SW	Electricity Substation	1952
218AV	469	SW	Electricity Substation	1968
219AV	469	SW	Electricity Substation	1952
220AV	469	SW	Electricity Substation	1969
221AV	480	SW	Electricity Substation	1952
222AV	482	SW	Electricity Substation	1991
223AV	482	SW	Electricity Substation	1982
224AV	482	SW	Electricity Substation	1952
225AW	489	E	Electricity Substation	1968
226AW	489	E	Electricity Substation	1971
227AW	489	E	Electricity Substation	1952
228AW	489	E	Electricity Substation	1952
229AW	489	E	Electricity Substation	1952
230AW	489	E	Electricity Substation	
231AW	489	E	Electricity Substation	
232AW	489	E	Electricity Substation	
233AX	493	E	Electricity Substation	
234AX	493	E	Electricity Substation	
235AX	494	E	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: 86

ID	Distance (m)	Direction	Use	Date
236AY	243	NE	Garages	1952
237AY	243	NE	Garage	1952
238AO	243	NE	Garages	1971
239AY	244	NE	Garage	1952
240AO	248	NE	Garages	1952
241AO	248	NE	Garages	1968
242AO	256	NE	Garages	1969
243AO	256	NE	Garages	1952
244AO	256	NE	Garages	1952
245AZ	281	SE	Garage	1952
246AZ	281	SE	Garage	1952
247AZ	281	SE	Garage	1952
248AZ	293	SE	Garages	1952
249AZ	293	SE	Garages	1952
250AZ	293	SE	Garages	1952
251AH	303	SE	Garages	1952
252AH	303	SE	Garages	1952
253AH	303	SE	Garages	1952
254BA	311	NW	Garage	1952
255BA	315	NW	Garage	1952
256BA	315	NW	Garage	1952
257BB	325	SE	Garages	1952
258BB	325	SE	Garages	1952
259BB	325	SE	Garages	1952
260BC	329	E	Vehicle Testing Station	1971
261BC	330	E	Vehicle Testing Station	1969
262BC	330	E	Vehicle Testing Station	1968

263BC	330	E	Vehicle Testing Station	1982
264BC	330	E	Vehicle Testing Station	1991
265BD	416	NE	Garage	1991
266BD	416	NE	Garage	1991
267BD	416	NE	Garage	1992
268BD	416	NE	Garage	1986
269BD	416	NE	Garage	1996
270BD	416	NE	Garage	1975
271BD	416	NE	Garage	1975
272BD	417	NE	Motor Body Works	1952
273BF	433	SE	Garages	1952
274	434	SE	Garages	1952
275AT	435	SE	Garages	1952
276AT	435	SE	Garages	1952
277BE	435	NE	Garage	1952
278BE	436	NE	Garage	1952
279BE	436	NE	Garage	1952
280BF	440	SE	Garages	1952
281BF	440	SE	Garages	1952
282BG	448	N	Garage	1991
283BG	448	N	Garage	1991
284BG	448	N	Garage	1982
285BG	448	N	Garage	1987
286BH	449	NE	Garage	1952
287BH	449	NE	Garage	1952
288BH	449	NE	Garage	1952
289AC	450	NE	Motor Engineering Works	1952
290AC	451	NE	Motor Engineering Works	1952
291AC	451	NE	Motor Engineering Works	1952
292BH	451	NE	Motor Body Works	1952
293BH	451	NE	Motor Body Works	1952
294BI	459	N	London Transport Garage	1995
295BI	459	N	London Transport Garage	1994
296BI	462	N	Garage	1965
297BI	462	N	London Transport Garage	1987
298BI	462	N	London Transport Garage	1991
299BI	462	N	London Transport Garage	1991
300BJ	470	N	London Transport Garage	1991
301BJ	470	N	London Transport Garage	1991
302BJ	470	N	London Transport Garage	1986
303BJ	470	N	London Transport Garage	1992
304BJ	470	N	London Transport Garage	1975
305BJ	470	N	London Transport Garage	1975
306BJ	470	N	London Transport Executive Garage	1963

307BJ	470	N	London Transport Executive Garage	1970
308BJ	470	N	Garage	1968
309BK	473	N	Garage	1970
310BK	474	N	Garage	1968
311BK	475	N	Garage	1991
312BK	475	N	Garage	1987
313BK	475	N	Garage	1991
314BK	475	N	Garage	1982
315BK	475	N	Garage	1965
316BL	491	NE	Motor Body Works	1952
317BL	491	NE	Motor Body Works	1952
318BL	491	NE	Motor Body Works	1952
319BM	496	NW	Garage	1963
320BM	496	NW	Garage	1972
321BM	496	NW	Garages	1952

1.6 Potentially Infilled Land

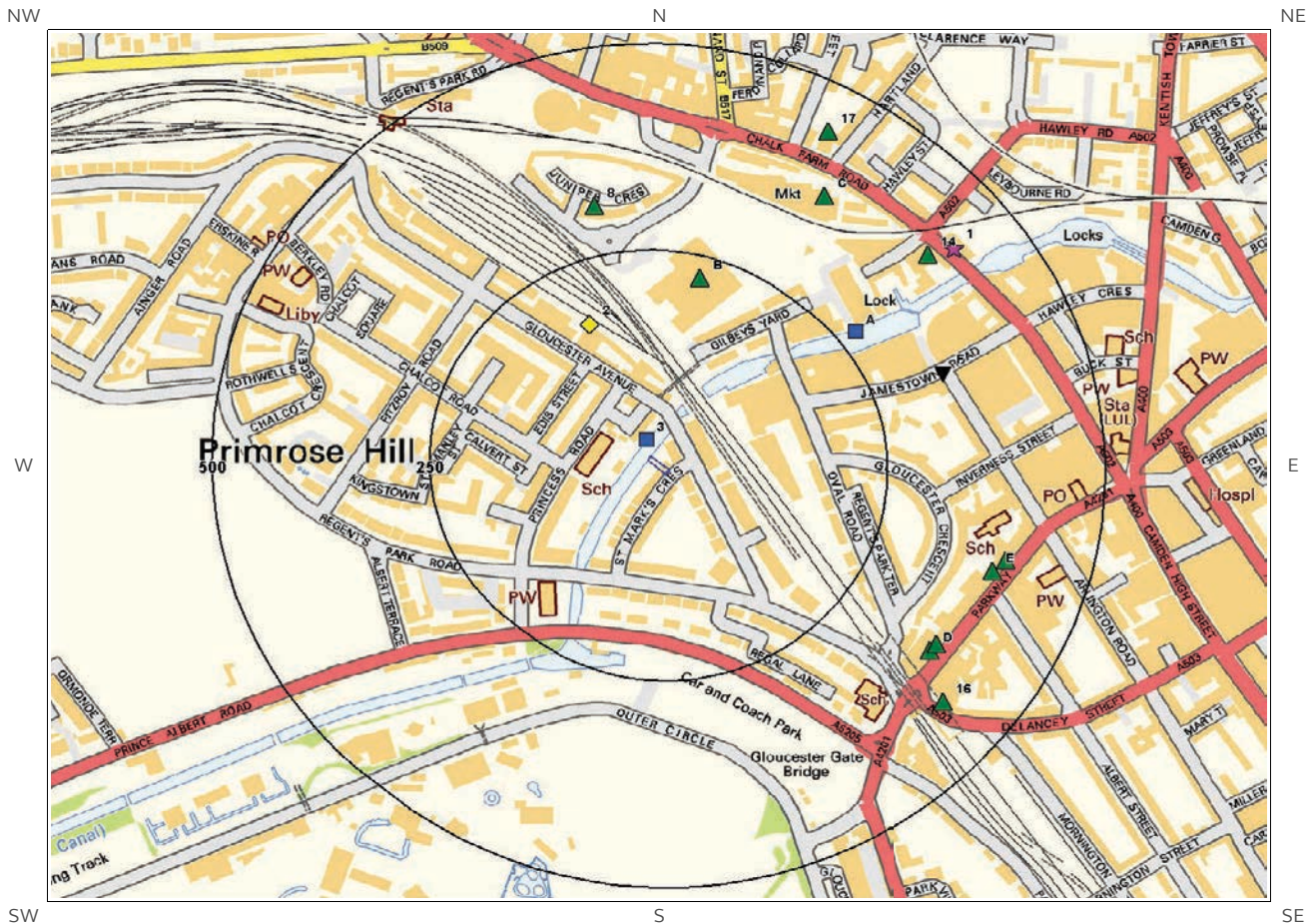
Records of Potentially Infilled Features from 1:10,000 scale mapping within 500m of the study site: 30

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















ID	Distance(m)	Direction	Use	Date
322	1	NW	Canal	1894
323BN	2	NW	Canal	1973
324BN	2	NW	Canal	1968
325BN	2	NW	Canal	1989
326BN	2	NW	Canal	1957
327	4	NW	Canal	1882
328BO	4	NW	Canal	1920
329BO	4	NW	Canal	1938
330A	95	N	Tunnel	1989
331	108	NE	Canal	1882
332	193	NE	Canal	1882
333BP	216	SW	Canal	1911
334	218	SW	Canal	1948
335BP	224	S	Canal	1882
336P	290	SE	Tunnel	1920
337P	290	SE	Tunnel	1938
338M	292	SE	Tunnel	1968
339M	292	SE	Tunnel	1957
340M	292	SE	Tunnel	1948
341M	297	SE	Tunnel	1973
342M	297	SE	Tunnel	1989
343P	315	SE	Tunnel	1989

344P	315	SE	Tunnel	1973
345BQ	494	S	Pond	1882
346BQ	495	S	Pond	1973
347BQ	495	S	Pond	1968
348BQ	495	S	Pond	1989
349BQ	495	S	Pond	1957
350BQ	496	S	Ponds	1894
351BQ	499	S	Ponds	1920

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:

1

The following List 2 Dangerous Substance Inventory Site records are represented as points on the Environmental Permits, Incidents and Registers Map:

ID	Distance (m)	Direction	NGR	Details
2	174	NW	528295 184059	Name: Todd-ao Uk, 13 Hawley Crescent, London Status: Not Active Receiving Water: - Authorised Substances: Silver

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

12

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
6B	221	N	528422 184112	Address: Wm Morrisons Supermarkets Plc, Chalk Farm Road, NW1 8AA Process: Dry Cleaning Status: Historical Permit Permit Type: Part B Enforcement: No Enforcement Notified Date of Enforcement: No Enforcement Notified Comment: No Enforcement Notified
7B	221	N	528422 184112	Address: Wm Morrisons Supermarkets plc, Chalk Farm Road, NW1 8AA Process: Dry Cleaning Status: Current Permit Permit Type: Part B Enforcement: No Enforcement Notified Date of Enforcement: No Enforcement Notified Comment: No Enforcement Notified
8	308	N	528301 184199	Address: Lex Volvo-regents Pk Bodyshop, Dumpton Place, Gloucester Ave, NW1 8JD Process: Respraying of Road Vehicles Status: Historical Permit Permit Type: Part B Enforcement: No Enforcement Notified Date of Enforcement: No Enforcement Notified Comment: No Enforcement Notified
9D	370	SE	528685 183662	Address: Smart Dry Cleaners, 104 Parkway, NW1 7AN Process: Dry Cleaning Status: Current Permit Permit Type: Part B Enforcement: No Enforcement Notified Date of Enforcement: No Enforcement Notified Comment: No Enforcement Notified
10C	371	NE	528564 184212	Address: Esso Chalk Farm Service Station, 29 Chalk Farm Road, London, NW1 8AG Process: Unloading of Petrol into Storage at Service Stations Status: Historical Permit Permit Type: Part B Enforcement: No Enforcement Notified Date of Enforcement: No Enforcement Notified Comment: No Enforcement Notified
11C	371	NE	528564 184212	Address: Wm Morrisons Esso, 29 Chalk Farm Road, London, NW1 8AG 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

ID	Distance (m)	Direction	NGR	Details	
12D	372	SE	528693 183670	Address: Smart Dry Cleaners, 104 Parkway, NW1 7AN Process: Dry Cleaning Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of Enforcement: No Enforcement Notified Comment: No Enforcement Notified
13E	390	E	528756 183757	Address: Paradise Cleaners Ltd, 58 Parkway, NW1 7AH Process: Dry Cleaning Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of Enforcement: No Enforcement Notified Comment: No Enforcement Notified
14	393	NE	528683 184141	Address: Safeways, Chalk Farm Road, London, NW1 8AA Process: Unloading of Petrol into Storage at Service Stations Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of Enforcement: No Enforcement Notified Comment: No Enforcement Notified
15E	400	E	528772 183772	Address: Paradise Cleaners Ltd, 58 Parkway, NW1 7AH Process: Dry Cleaning Status: Current Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of Enforcement: No Enforcement Notified Comment: No Enforcement Notified
16	421	SE	528701 183599	Address: Jet Parkway, NW1 7NY Process: Petrol Vapour Recovery Process Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of Enforcement: No Enforcement Notified Comment: No Enforcement Notified
17	441	NE	528567 184291	Address: Esso 29, Chalk Farm Road, London, NW1 8AG Process: Unloading of Petrol into Storage at Service Stations 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:

1

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
19F	334	E	528700 184000	Omnilabs (uk) Ltd, Bewlay House, 32 Jamestown Road, London, NW1 7BY	Omnilabs (uk) Ltd	Disposal Of Radioactive Waste (was Rsa60 Section 6).	AE8755	Date of Approval: 31/3/1991 Effective from: 31/3/1991 Last date of update: 2015-01-01	Revoked/cancelled

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

3

The following Licensed Discharge Consents records are represented as points on the Environmental Permits, Incidents and Registers Map:

ID	Distance (m)	Direction	NGR	Details
3	21	N	528360 183920	Address: FITZROY BRIDGE OUTLET, PRIMROSE HIL, FITZROY BRIDGE OUTLET, PRIMROSE, HILL, CAMDEN, LONDON Effluent Type: TRADE DISCHARGES - COOLING WATER Permit Number: CTMR.0387 Permit Version: 1 Receiving Water: GRAND UNIONCANAL Status: TRANSFERRED FROM R(PP)A 1951-1961 Issue date: 28/03/1980 Effective Date: 28-Mar-1980 Revocation Date: -
4A	271	NE	528600 184050	Address: 30 OVAL ROAD, CAMDEN TOWN, LONDON, 30 OVAL ROAD, CAMDEN TOWN, LONDON, N, NW1 7DE Effluent Type: TRADE DISCHARGES - COOLING WATER Permit Number: CNTM.1566 Permit Version: 1 Receiving Water: GUC - PADDINGTON ARM Status: LAPSED UNDER SCHEDULE 23 ENVIRONMENT ACT 1995 Issue date: 01/09/1994 Effective Date: 01-Sep-1994 Revocation Date: 01/10/1996
5A	271	NE	528600 184050	Address: 30 OVAL ROAD, CAMDEN TOWN, LONDON, 30 OVAL ROAD, CAMDEN TOWN, LONDON, N, NW1 7DE Effluent Type: TRADE DISCHARGES - COOLING WATER Permit Number: CATM.2853 Permit Version: 1 Receiving Water: GUC - PADDINGTON ARM Status: REVOKED (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV Issue date: 01/04/1997 Effective Date: 01-Apr-1997 Revocation Date: 30/09/2005

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	422	NE	528712 184151	Incident Date: 09-Feb-2008 Incident Identification: 562771 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Smoke Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 2 (Significant)

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

0

Database searched and no data found.

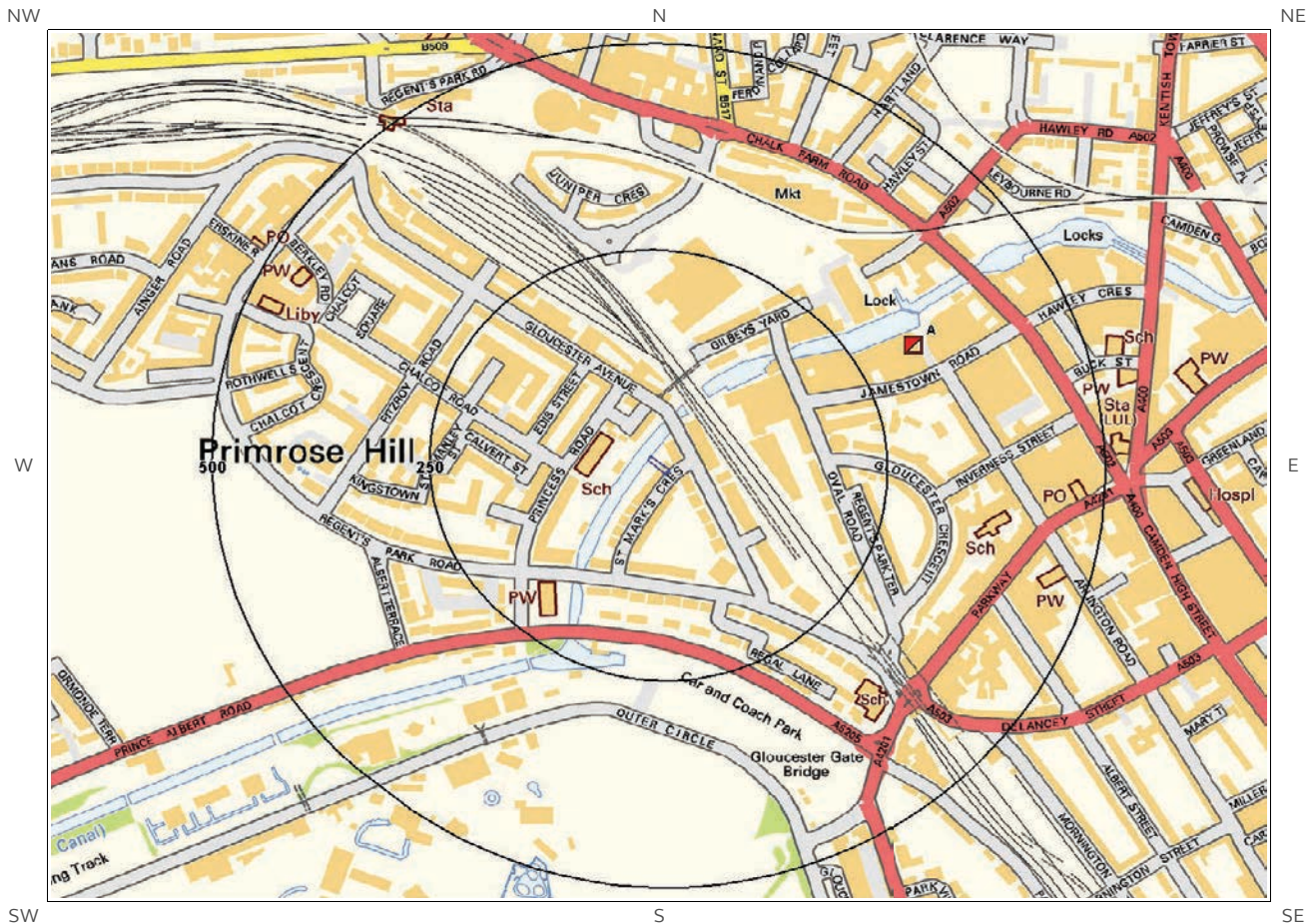
2.4 Sites Determined as Contaminated Land under Part 2A EPA 1990

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

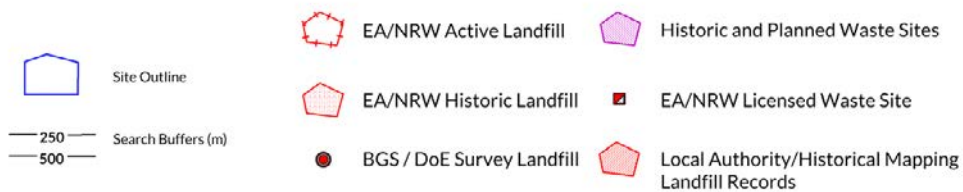
0

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:

0

Database searched and no data found.

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

0

Database searched and no data found.

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

0

Database searched and no data found.

3.2 Other Waste Sites

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

0

Database searched and no data found.

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

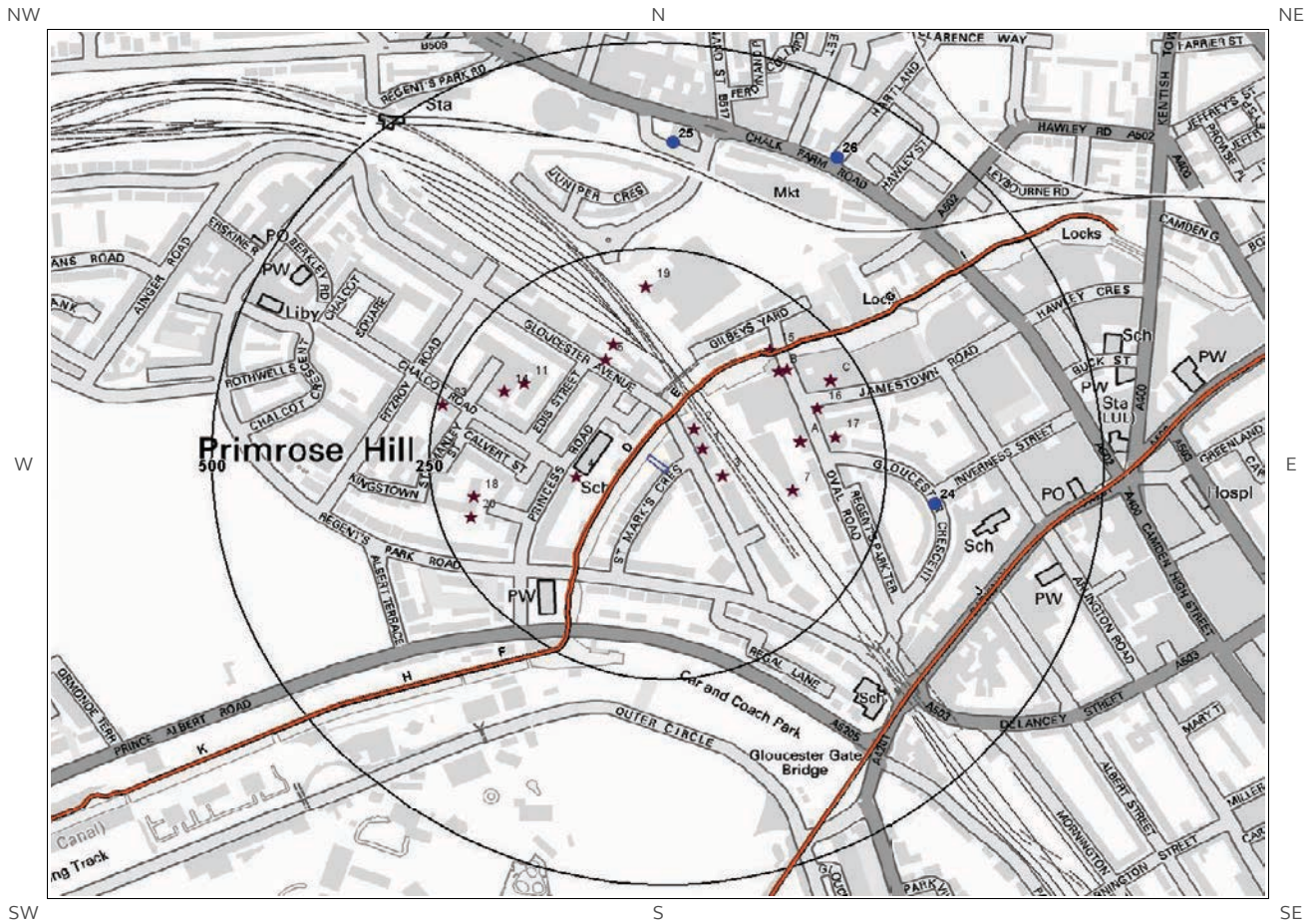
10

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	319	NE	528667 184035	Site Address: - Type: Household Waste Amenity Site Size: Unknown Environmental Permitting Regulations (Waste) Licence Number: CAM003 EPR reference: - Operator: Camden London Borough Council Waste Management licence No: 80482 Annual Tonnage: 0.0 Issue Date: 15/10/1994 Effective Date: - Modified: - Surrendered Date: 25/07/1997 Expiry Date: - Cancelled Date: - Status: Surrendered Site Name: Jamestown Road Ca Site Correspondence Address: Camden LB Council, Town Hall Extension, Argyle Street, London, WC1H 8EQ
2A	319	NE	528667 184035	Site Address: - Type: Household Waste Amenity Site Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: CAM003 EPR reference: EA/EPR/UP3697NB/S002 Operator: Camden London Borough Council Waste Management licence No: 80482 Annual Tonnage: 20000.0 Issue Date: 15/10/1994 Effective Date: - Modified: - Surrendered Date: 25/07/1997 Expiry Date: - Cancelled Date: - Status: Surrendered Site Name: Jamestown Road CA Site Correspondence Address: -
Not shown	1128	SW	527538 183124	Site Address: Regents Park Office, The Store Yard, Inner Circle, Regents Park, London, NW1 4NR Type: Composting Facility Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: ROY003 EPR reference: EA/EPR/CB3106XV/A001 Operator: The Royal Parks Waste Management licence No: 401853 Annual Tonnage: 575.0 Issue Date: 24/02/2015 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued Site Name: Regents Park Leaf Yard Correspondence Address: -
Not shown	1238	E	529589 183586	Site Address: - Type: Metal Recycling Site (mixed MRS's) Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: ARB001 EPR reference: EA/EPR/EP3491NW/A001 Operator: Arbuckle William David Waste Management licence No: 80302 Annual Tonnage: 1014.0 Issue Date: 05/06/1997 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued Site Name: Arbuckle, St Pancras Way Correspondence Address: -
Not shown	1294	N	528740 185138	Site Address: Camden London Borough Council, Recycling Centre, Regis Road, Kentish Town, London, NW5 3EP Type: Household Waste Amenity Site Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: LWL001 EPR reference: EA/EPR/GB3230DW/T001 Operator: Londonwaste Limited Waste Management licence No: 80349 Annual Tonnage: 7793.0 Issue Date: 10/12/1996 Effective Date: 11/05/2012 Modified: 25/01/2002 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred Site Name: Regis Road Recycling Centre Correspondence Address: -

ID	Distance (m)	Direction	NGR	Details
Not shown	1294	N	528740 185138	<p>Site Address: Camden London Borough Council, Recycling Centre, Regis Road, Kentish Town, London, NW5 3EP</p> <p>Type: Household Waste Amenity Site</p> <p>Size: < 25000 tonnes</p> <p>Environmental Permitting Regulations (Waste) Licence Number: CAM001</p> <p>EPR reference: EA/EPR/DP3091NK/V003</p> <p>Operator: Camden London Borough Council</p> <p>Waste Management licence No: 80349</p> <p>Annual Tonnage: 7793.0</p> <p>Issue Date: 10/12/1996</p> <p>Effective Date: -</p> <p>Modified: 25/01/2002</p> <p>Surrendered Date: -</p> <p>Expiry Date: -</p> <p>Cancelled Date: -</p> <p>Status: Modified</p> <p>Site Name: Regis Road Recycling Centre</p> <p>Correspondence Address: -</p>
Not shown	1332	N	528726 185181	<p>Site Address: Camden London Borough Council, Recycling Centre, Regis Road, Kentish Town, London, NW5 3EW</p> <p>Type: Household Waste Amenity Site</p> <p>Size: < 25000 tonnes</p> <p>Environmental Permitting Regulations (Waste) Licence Number: LWL001</p> <p>EPR reference: EA/EPR/GB3230DW/V002</p> <p>Operator: Londonenergy Ltd</p> <p>Waste Management licence No: 80349</p> <p>Annual Tonnage: 7793.0</p> <p>Issue Date: 10/12/1996</p> <p>Effective Date: 11/05/2012</p> <p>Modified: 28/09/2017</p> <p>Surrendered Date: -</p> <p>Expiry Date: -</p> <p>Cancelled Date: -</p> <p>Status: Modified</p> <p>Site Name: Regis Road Recycling Centre</p> <p>Correspondence Address: -</p>
Not shown	1332	N	528726 185181	<p>Site Address: Camden London Borough Council, Recycling Centre, Regis Road, Kentish Town, London, NW5 3EP</p> <p>Type: Household Waste Amenity Site</p> <p>Size: < 25000 tonnes</p> <p>Environmental Permitting Regulations (Waste) Licence Number: LWL001</p> <p>EPR reference: EA/EPR/GB3230DW/T001</p> <p>Operator: LondonWaste Ltd</p> <p>Waste Management licence No: 80349</p> <p>Annual Tonnage: 7793.0</p> <p>Issue Date: 10/12/1996</p> <p>Effective Date: 11/05/2012</p> <p>Modified: 25/01/2002</p> <p>Surrendered Date: -</p> <p>Expiry Date: -</p> <p>Cancelled Date: -</p> <p>Status: Transferred</p> <p>Site Name: Regis Road Recycling Centre</p> <p>Correspondence Address: -</p>
Not shown	1457	E	529843 183948	<p>Site Address: Murphy Ltd, British Rail Goods Yard, off York Way, Kings Cross, London, NW1</p> <p>Type: Household, Commercial & Industrial Waste T Stn</p> <p>Size: < 25000 tonnes</p> <p>Environmental Permitting Regulations (Waste) Licence Number: MUR002</p> <p>EPR reference: -</p> <p>Operator: Murphy Limited</p> <p>Waste Management licence No: 80310</p> <p>Annual Tonnage: 0.0</p> <p>Issue Date: 04/09/1995</p> <p>Effective Date: -</p> <p>Modified: -</p> <p>Surrendered Date: 06/08/2002</p> <p>Expiry Date: -</p> <p>Cancelled Date: -</p> <p>Status: Surrendered</p> <p>Site Name: "Murphy, Goods Way, Kings Cross"</p> <p>Correspondence Address: Murphy Limited, 2 Ashley House, Ashley Road, London, N17 9LZ</p>
Not shown	1457	E	529843 183948	<p>Site Address: Murphy Ltd, British Rail Goods Yard, off, York Way, Kings Cross, London, NW1</p> <p>Type: Household, Commercial & Industrial Waste T Stn</p> <p>Size: < 25000 tonnes</p> <p>Environmental Permitting Regulations (Waste) Licence Number: MUR002</p> <p>EPR reference: EA/EPR/VP3591NC/S002</p> <p>Operator: Murphy Ltd</p> <p>Waste Management licence No: 80310</p> <p>Annual Tonnage: 7592.0</p> <p>Issue Date: 04/09/1995</p> <p>Effective Date: -</p> <p>Modified: -</p> <p>Surrendered Date: 06/08/2002</p> <p>Expiry Date: -</p> <p>Cancelled Date: -</p> <p>Status: Surrendered</p> <p>Site Name: Murphy, Goods Way, Kings Cross</p> <p>Correspondence Address: -</p>

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:

23

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

ID	Distance (m)	Direction	Company	NGR	Address	Activity	Category
1	46	NE	Beacon Scaffolding	528426 183907	36, Gloucester Avenue, London, NW1 7BB	Construction and Tool Hire	Hire Services
2	57	NE	Electricity Sub Station	528416 183932	NW1	Electrical Features	Infrastructure and Facilities
3	62	E	Electricity Sub Station	528449 183875	NW1	Electrical Features	Infrastructure and Facilities
4	84	W	Electricity Sub Station	528280 183874	NW1	Electrical Features	Infrastructure and Facilities
5	126	NW	Warehouse	528314 184015	NW1	Container and Storage	Transport, Storage and Delivery
6	141	N	Warehouse	528323 184034	NW1	Container and Storage	Transport, Storage and Delivery
7	144	E	Speedy Hire Plc	528528 183857	1 Centric Close, Oval Road, London, NW1 7EP	Construction and Tool Hire	Hire Services
8A	155	E	A Concept	528538 183916	31, Oval Road, London, NW1 7EA	Published Goods	Industrial Products
9A	155	E	H U M	528538 183916	31, Oval Road, London, NW1 7EA	Recording Studios and Record Companies	IT, Advertising, Marketing and Media Services
10A	155	E	Ing Ealtoir	528538 183916	31, Oval Road, London, NW1 7EA	Structural Engineers	Engineering Services
11	168	NW	D Sound Recording	528221 183987	Unit 3 Utopia Village 7, Chalcot Road, London, NW1 8LH	Recording Studios and Record Companies	IT, Advertising, Marketing and Media Services
12B	173	NE	Electricity Sub Station	528513 184001	NW1	Electrical Features	Infrastructure and Facilities
13B	182	NE	Electricity Sub Station	528523 184003	NW1	Electrical Features	Infrastructure and Facilities
14	183	NW	Utopia Records Ltd	528198 183977	Utopia Village Chalcot Road, London, NW1 8LH	Recording Studios and Record Companies	IT, Advertising, Marketing and Media Services
15	186	NE	Pumping Station	528503 184027	NW1	Water Pumping Stations	Industrial Features
16	186	NE	London Labels Ltd	528557 183956	20, Oval Road, London, NW1 7DJ	Stationery, Stamps, Tags and Labels	Industrial Products
17	195	E	Max Fordham LLP	528578 183921	42-43, Gloucester Crescent, London, NW1 7PE	Civil Engineers	Engineering Services
18	204	W	Tom Thumb	528162 183849	52, Auden Place, London, NW1 8ND	Carpets, Flooring, Rugs and Soft Furnishings	Consumer Products
19	205	N	Electricity Sub Station	528360 184104	NW1	Electrical Features	Infrastructure and Facilities

ID	Distance (m)	Direction	Company	NGR	Address	Activity	Category
20	214	W	Electricity Sub Station	528159 183825	NW1	Electrical Features	Infrastructure and Facilities
21C	215	NE	That's Life Magazine	528572 183990	Academic House 24-28, Oval Road, London, NW1 7DT	Published Goods	Industrial Products
22C	215	NE	T V Choice	528572 183990	Academic House 24-28, Oval Road, London, NW1 7DT	Published Goods	Industrial Products
23	244	W	Sew Much Fun	528126 183960	46, Chalcot Road, London, NW1 8LS	Textiles, Fabrics, Silk and Machinery	Industrial Products

4.2 Petrol and Fuel Sites

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

3

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
24	309	E	528693 183840	Obsolete	Parkway Filling Station, 120, Parkway, Parkway, Camden Town, London, Inner London, NW1 7AN	Not Applicable	Obsolete
25	380	N	528392 184278	Morrisons	Morrisons Camden, Chalk Farm Road, Chalk Farm Road, Chalk Farm, London, Inner London, NW1 8AA	No	Open
26	420	NE	528580 184260	Esso	Chalk Farm Service Station, 29-33, Chalk Farm Road, Chalk Farm Road, Chalk Farm, London, Inner London, NW1 8AJ	Not Applicable	Obsolete

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: 16

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

ID	Distance (m)	Direction	Details	
27D	15	NW	Cable Set: - Cable Route: - Cable Make: -	Cable Type: PILOT Operating Voltage (kV): - Year of installation: - Cable in tunnel: -
28D	15	NW	Cable Set: CITR4 - SJOW4 2 CABLE SECT 06 Cable Route: CITY ROAD - ST JOHNS WOOD 2 Cable Make: BICC OIL FILLE	Cable Type: A/C Operating Voltage (kV): 400 Year of installation: 1982 Cable in tunnel: -
29E	16	NW	Cable Set: - Cable Route: - Cable Make: -	Cable Type: PILOT Operating Voltage (kV): - Year of installation: - Cable in tunnel: -
30E	16	NW	Cable Set: CITR4 - SJOW4 1 CABLE SECT 06 Cable Route: CITY ROAD - ST JOHNS WOOD 1 Cable Make: BICC OIL FILLE	Cable Type: A/C Operating Voltage (kV): 400 Year of installation: 1982 Cable in tunnel: -
31F	116	SW	Cable Set: - Cable Route: - Cable Make: -	Cable Type: PILOT Operating Voltage (kV): - Year of installation: - Cable in tunnel: -
32F	126	SW	Cable Set: CITR4 - SJOW4 1 CABLE SECT 05 Cable Route: CITY ROAD - ST JOHNS WOOD 1 Cable Make: BICC OIL FILLE	Cable Type: A/C Operating Voltage (kV): 400 Year of installation: 1982 Cable in tunnel: -
33G	166	NE	Cable Set: CITR4 - SJOW4 2 CABLE SECT 07 Cable Route: CITY ROAD - ST JOHNS WOOD 2 Cable Make: BICC OIL FILLE	Cable Type: A/C Operating Voltage (kV): 400 Year of installation: 1982 Cable in tunnel: -
34G	176	NE	Cable Set: - Cable Route: - Cable Make: -	Cable Type: PILOT Operating Voltage (kV): - Year of installation: - Cable in tunnel: -
35H	184	SW	Cable Set: - Cable Route: - Cable Make: -	Cable Type: PILOT Operating Voltage (kV): - Year of installation: - Cable in tunnel: -
36H	192	SW	Cable Set: CITR4 - SJOW4 2 CABLE SECT 05 Cable Route: CITY ROAD - ST JOHNS WOOD 2 Cable Make: BICC OIL FILLE	Cable Type: A/C Operating Voltage (kV): 400 Year of installation: 1982 Cable in tunnel: -
37I	237	NE	Cable Set: CITR4 - SJOW4 1 CABLE SECT 07 Cable Route: CITY ROAD - ST JOHNS WOOD 1 Cable Make: BICC OIL FILLE	Cable Type: A/C Operating Voltage (kV): 400 Year of installation: 1982 Cable in tunnel: -

ID	Distance (m)	Direction	Details	
38I	247	NE	Cable Set: - Cable Route: - Cable Make: -	Cable Type: PILOT Operating Voltage (kV): - Year of installation: - Cable in tunnel: -
39J	383	SE	Cable Set: - Cable Route: - Cable Make: -	Cable Type: A/C Operating Voltage (kV): 400 Year of installation: - Cable in tunnel: -
40J	384	SE	Cable Set: - Cable Route: - Cable Make: -	Cable Type: A/C Operating Voltage (kV): 400 Year of installation: - Cable in tunnel: -
41K	451	SW	Cable Set: - Cable Route: - Cable Make: -	Cable Type: PILOT Operating Voltage (kV): - Year of installation: - Cable in tunnel: -
42K	461	SW	Cable Set: CITR4 - SJOW4 1 CABLE SECT 04 Cable Route: CITY ROAD - ST JOHNS WOOD 1 Cable Make: BICC OIL FILLE	Cable Type: A/C Operating Voltage (kV): 400 Year of installation: 1982 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

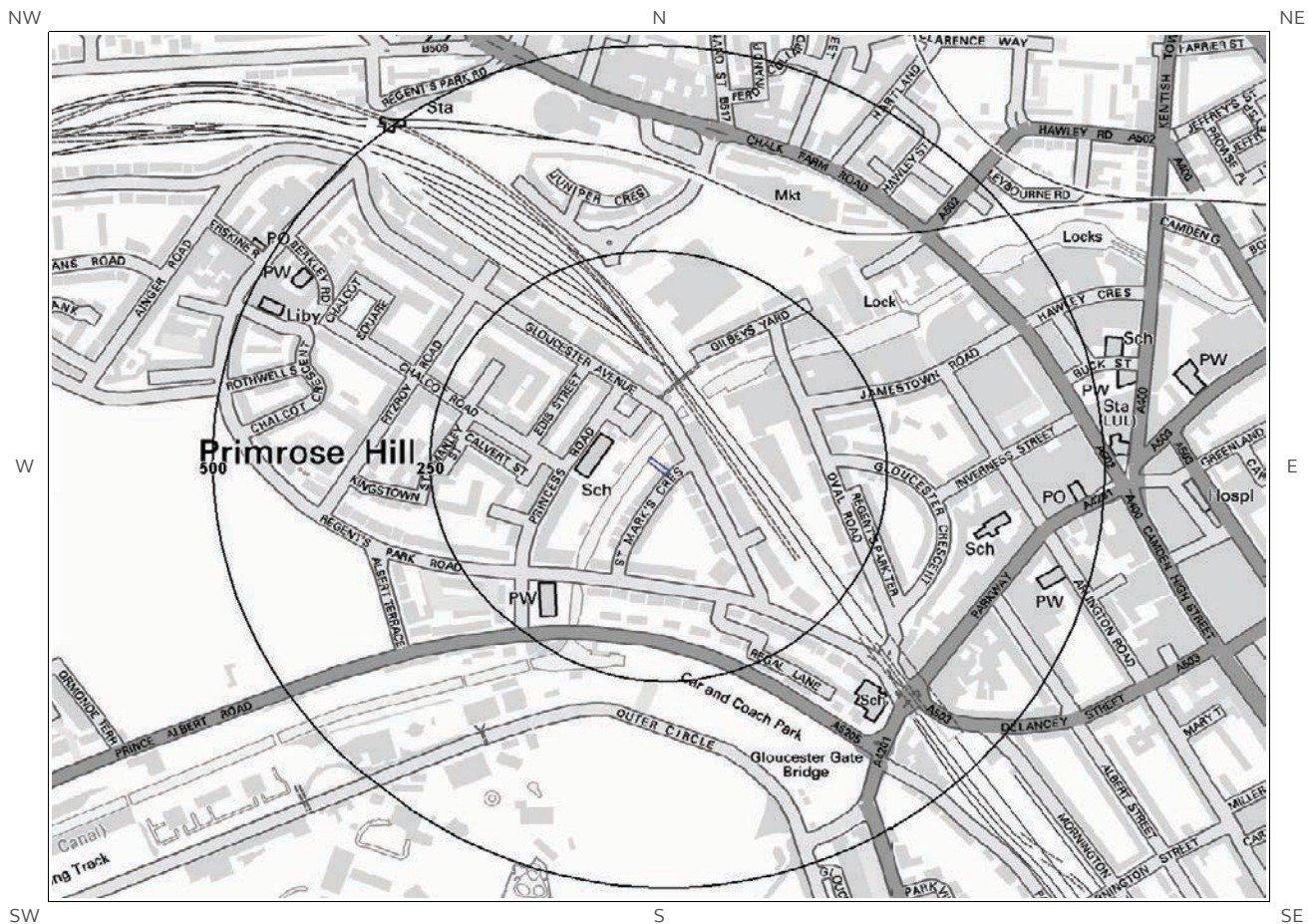
The database has been searched on site, including a 50m buffer.

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

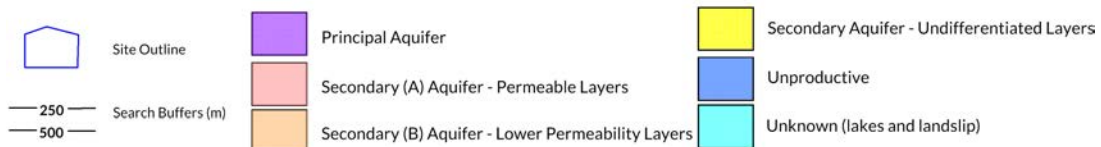
(Derived from the BGS 1:50,000 Digital Geological Map of Great Britain)

6 Hydrogeology and Hydrology

6a. Aquifer Within Superficial Geology



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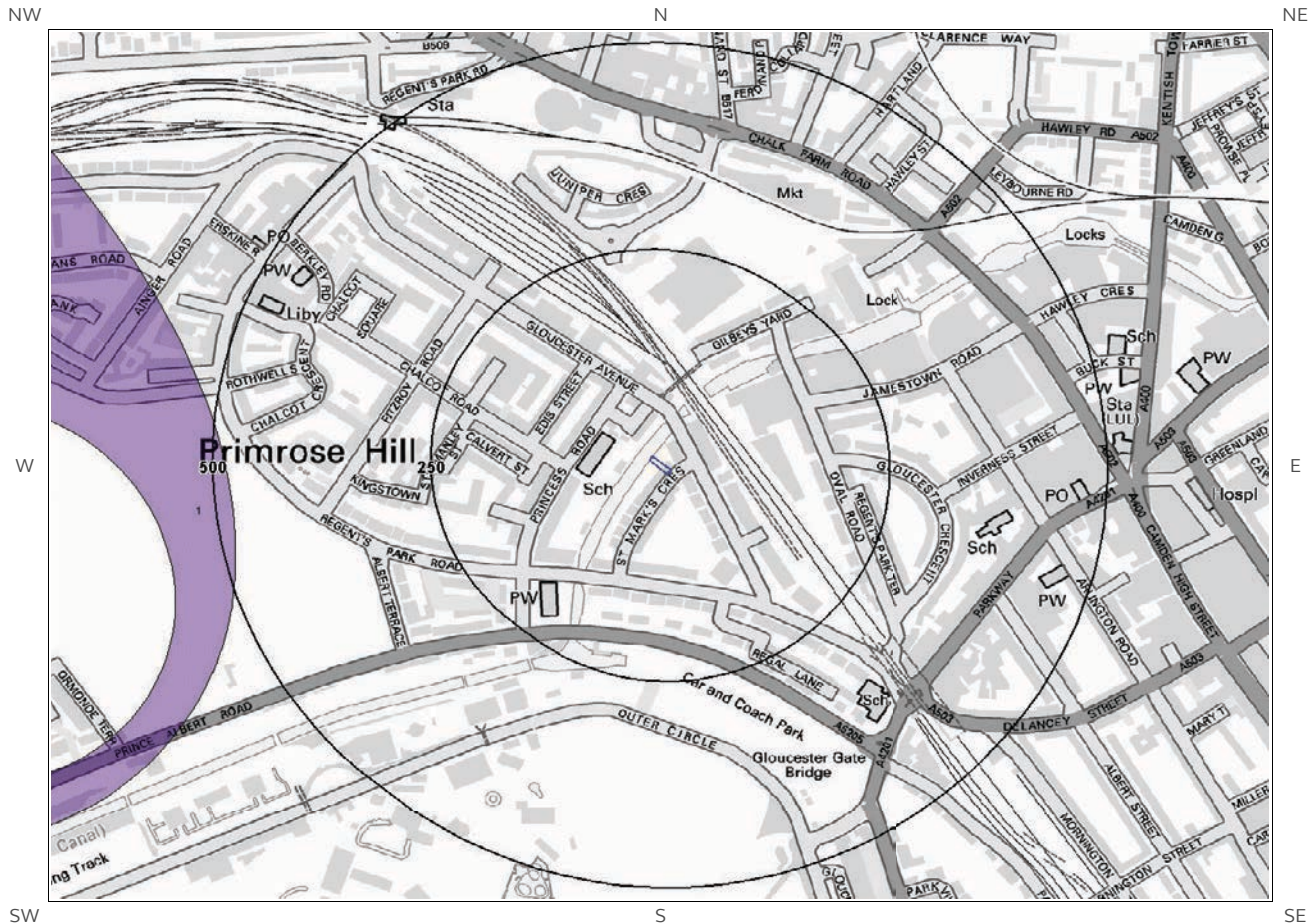
6b. Aquifer Within Bedrock Geology and Abstraction Licenses



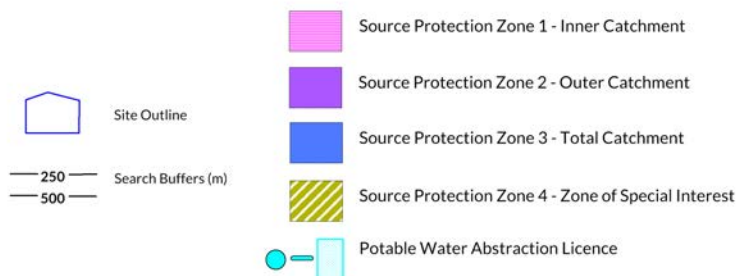
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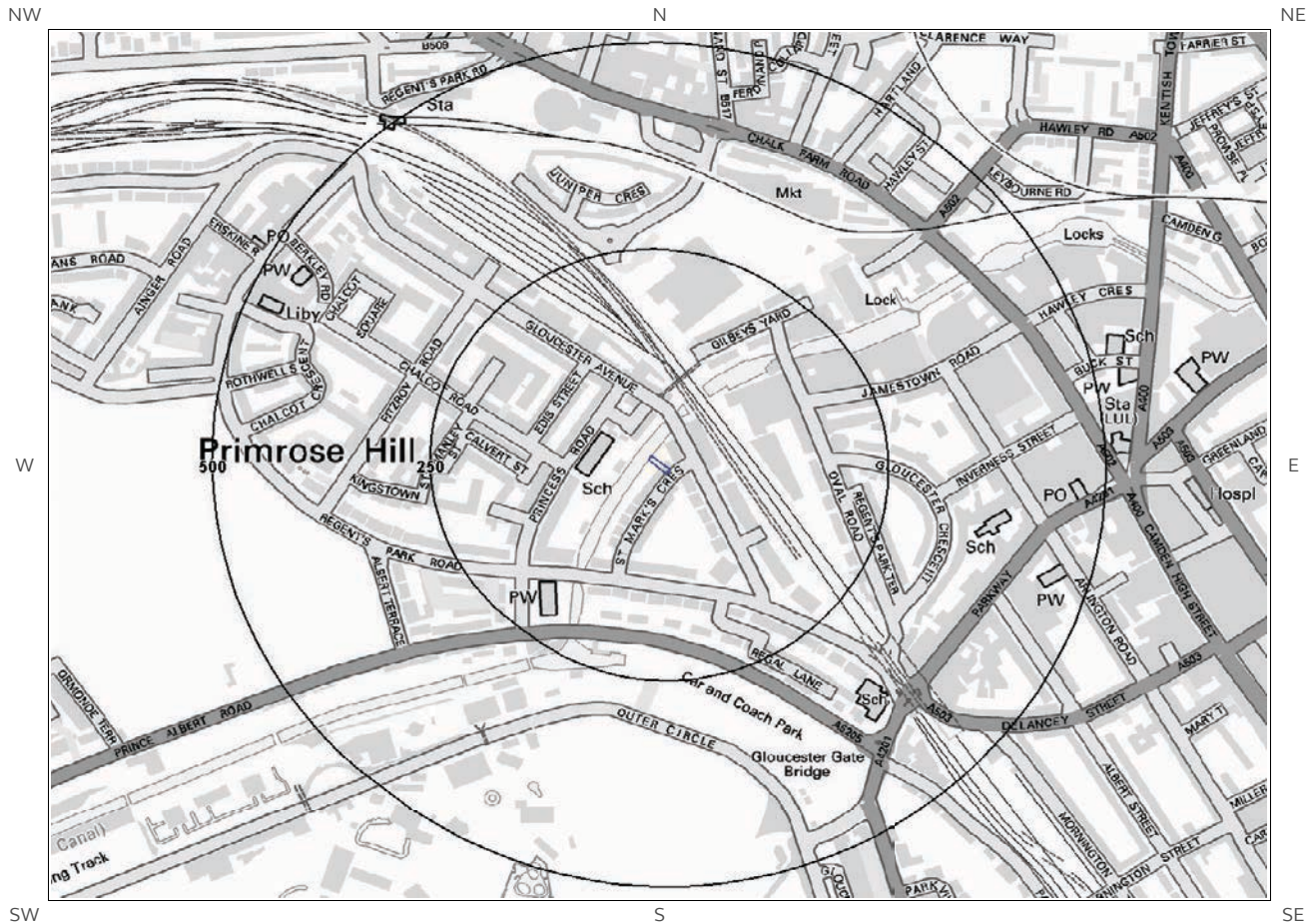
6c. Hydrogeology – Source Protection Zones and Potable Water Abstraction Licenses



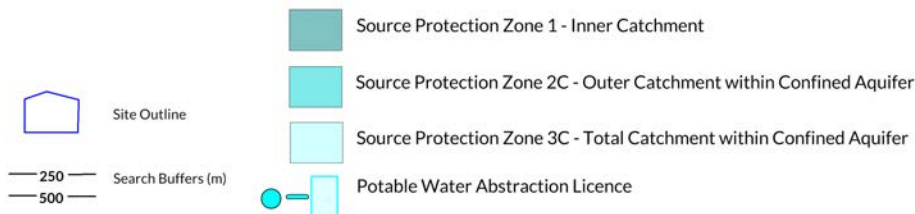
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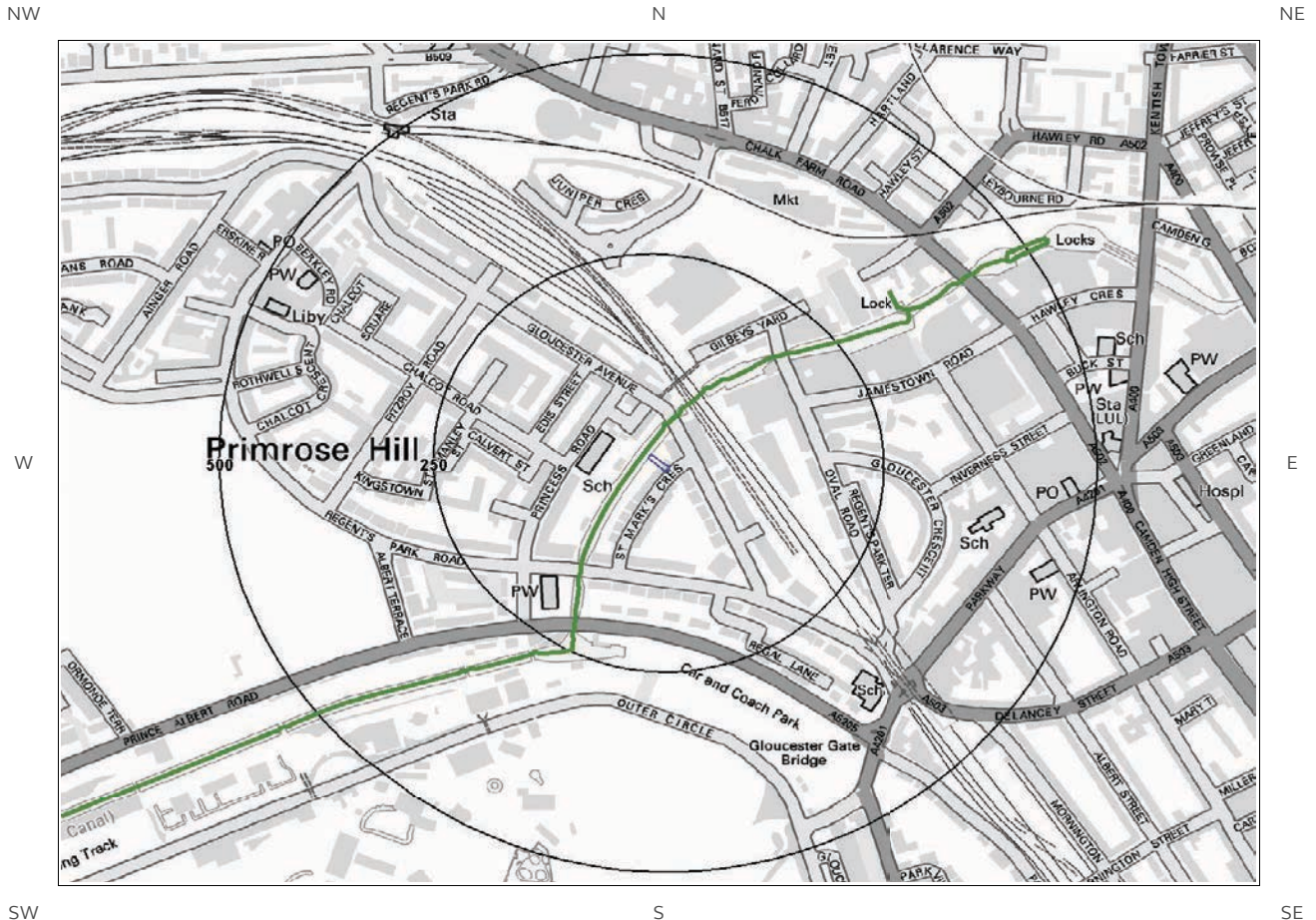
6d. Hydrogeology – Source Protection Zones within confined aquifer



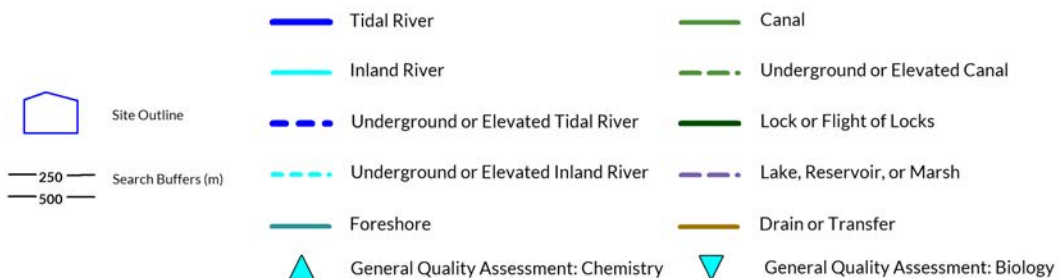
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6e. Hydrology – Watercourse Network and River Quality



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6. Hydrogeology and Hydrology

6.1 Aquifer within Superficial Deposits

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

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
1	0	On Site	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow

6.3 Groundwater Abstraction Licences

Groundwater Abstraction Licences within 2000m of the study site Identified

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
2	612	SW	528000 183400	<div> <div> Status: Historical Licence No: 28/39/39/0035 Details: Animal Watering & 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 </div> <div> 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: </div> </div>

ID	Distance (m)	Direction	NGR	Details
Not shown	750	W	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: 26/9/2002 Version End Date:
Not shown	750	W	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: 1/4/2007 Version End Date:
Not shown	752	W	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: 1/4/2013 Version End Date:
Not shown	911	NE	528800 184700	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 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:
Not shown	911	NE	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 (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:
Not shown	911	NE	528800 184700	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 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:
Not shown	911	NE	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 (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:

ID	Distance (m)	Direction	NGR	Details
Not shown	911	NE	528800 184700	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 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:
Not shown	1541	E	529920 184040	Status: Active Licence No: TH/039/0039/027 Details: General Use Relating To Secondary Category (High Loss) Direct Source: Thames Groundwater Point: Kings Cross Concrete Plant-borehole Data Type: Point Name: HANSON QUARRY PRODUCTS EUROPE LTD Annual Volume (m³): 33400 Max Daily Volume (m³): 200 Original Application No: NPS/WR/011609 Original Start Date: 21/4/2010 Expiry Date: 31/3/2019 Issue No: 2 Version Start Date: 13/8/2012 Version End Date:
Not shown	1541	E	529920 184040	Status: Historical Licence No: 28/39/39/0222 Details: General Use Relating To Secondary Category (High Loss) Direct Source: Thames Groundwater Point: Kings Cross Concrete Plant-borehole Data Type: Point Name: HANSON QUARRY PRODUCTS EUROPE LTD Annual Volume (m³): 55200 Max Daily Volume (m³): 200 Original Application No: GEN/39/ Original Start Date: 31/8/2006 Expiry Date: 31/3/2010 Issue No: 1 Version Start Date: 31/8/2006 Version End Date:
Not shown	1584	SW	527420 182620	Status: Active Licence No: 28/39/39/0115 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Household Direct Source: Thames Groundwater Point: Abbey Lodge, Park Road, London Nw8-two Boreholes Data Type: Point Name: ABBEY LODGE RTM COMPANY LIMITED Annual Volume (m³): 28640 Max Daily Volume (m³): 100 Original Application No: - Original Start Date: 5/9/1966 Expiry Date: - Issue No: 101 Version Start Date: 1/6/2006 Version End Date:
Not shown	1584	SW	527420 182620	Status: Historical Licence No: 28/39/39/0115 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Household Direct Source: Thames Groundwater Point: Two Boreholes At Abbey Lodge, Park Road, London Nw8 Data Type: Point Name: WOOD MANAGEMENT TRUSTEES LTD Annual Volume (m³): 28640 Max Daily Volume (m³): 100 Original Application No: - Original Start Date: 5/9/1966 Expiry Date: - Issue No: 100 Version Start Date: 28/11/1991 Version End Date:
Not shown	1608	W	526800 184280	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 Annual Volume (m³): 10512 Max Daily Volume (m³): 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:
Not shown	1653	W	526750 184261	Status: Active Licence No: TH/039/0039/087 Details: Lake & Pond Throughflow Direct Source: Thames Groundwater Point: Swiss Cottage Open Space- Borehole Data Type: Point Name: LONDON BOROUGH OF CAMDEN Annual Volume (m³): 10512 Max Daily Volume (m³): 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:

ID	Distance (m)	Direction	NGR	Details
Not shown	1653	W	526750 184261	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 Annual Volume (m³): 10512 Max Daily Volume (m³): 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:
Not shown	1653	W	526750 184261	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 Annual Volume (m³): 10512 Max Daily Volume (m³): 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:
Not shown	1655	S	528407 182223	Status: Historical Licence No: TH/039/0039/022 Details: Heat Pump Direct Source: Thames Groundwater Point: Confined Chalk, Doric Villa, York Terrace East, London Data Type: Point Name: Ritblat Annual Volume (m³): 118260 Max Daily Volume (m³): 324 Original Application No: NPS/WR/002585 Original Start Date: 26/2/2010 Expiry Date: 31/3/2019 Issue No: 1 Version Start Date: 26/2/2010 Version End Date:
Not shown	1655	S	528407 182223	Status: Active Licence No: TH/039/0039/022 Details: Heat Pump Direct Source: Thames Groundwater Point: Doric Villa, York Terrace East, London Data Type: Point Name: Ritblat Annual Volume (m³): 118260 Max Daily Volume (m³): 324 Original Application No: NPS/WR/002585 Original Start Date: 26/2/2010 Expiry Date: 31/3/2019 Issue No: 1 Version Start Date: 26/2/2010 Version End Date:
Not shown	1782	SW	526902 182872	Status: Active Licence No: TH/039/0039/116 Details: Heat Pump Direct Source: Thames Groundwater Point: Lords Cricket Ground, London. Data Type: Point Name: MARYLEBONE CRICKET CLUB Annual Volume (m³): 30000 Max Daily Volume (m³): 300 Original Application No: NPS/WR/022969 Original Start Date: 17/5/2017 Expiry Date: 31/3/2025 Issue No: 1 Version Start Date: 17/5/2017 Version End Date:
Not shown	1856	S	527850 182100	Status: Historical Licence No: 28/39/39/0070 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: Abbey House, Baker Street- Borehole Data Type: Point Name: BASKERVILLE ESTATES (GP) LIMITED Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: - Original Start Date: 13/6/1966 Expiry Date: - Issue No: 102 Version Start Date: 19/12/2003 Version End Date:
Not shown	1871	S	527800 182100	Status: Historical Licence No: 28/39/39/0070 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: Borehole At Abbey House, Baker Street, London Nw1 Data Type: Point Name: ABBEY NATIONAL PLC Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: - Original Start Date: 13/6/1966 Expiry Date: - Issue No: 101 Version Start Date: 2/5/2000 Version End Date:

ID	Distance (m)	Direction	NGR	Details	
Not shown	1949	S	528460 181930	Status: Historical Licence No: 28/39/39/0215 Details: Non-Evaporative Cooling Direct Source: Thames Groundwater Point: 3-5 Devonshire Place-borehole B Data Type: Point Name: TRUSTEES OF THE LONDON CLINIC LIMITED	Annual Volume (m³): 122400 Max Daily Volume (m³): 511 Original Application No: WRA/N/1383 Original Start Date: 24/2/2005 Expiry Date: 31/3/2013 Issue No: 1 Version Start Date: 24/2/2005 Version End Date:
Not shown	1950	S	528480 181930	Status: Historical Licence No: 28/39/39/0215 Details: Non-Evaporative Cooling Direct Source: Thames Groundwater Point: 3-5 Devonshire Place-borehole A Data Type: Point Name: TRUSTEES OF THE LONDON CLINIC LIMITED	Annual Volume (m³): 122400 Max Daily Volume (m³): 511 Original Application No: WRA/N/1383 Original Start Date: 24/2/2005 Expiry Date: 31/3/2013 Issue No: 1 Version Start Date: 24/2/2005 Version End Date:
Not shown	1960	S	528480 181920	Status: Historical Licence No: 28/39/39/0215 Details: Non-Evaporative Cooling Direct Source: Thames Groundwater Point: 20 Devonshire Place, London-borehole A Data Type: Point Name: TRUSTEES OF THE LONDON CLINIC LIMITED	Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: WRA/N/1383 Original Start Date: 24/2/2005 Expiry Date: 31/3/2013 Issue No: 1 Version Start Date: 24/2/2005 Version End Date:
Not shown	1966	S	527800 182000	Status: Active Licence No: 28/39/39/0021 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Household Direct Source: Thames Groundwater Point: Dorset House, London- 2 Boreholes Data Type: Point Name: Dorset House Residential Limited	Annual Volume (m³): 56370 Max Daily Volume (m³): 318 Original Application No: NPS/WR/017647 Original Start Date: 13/12/1965 Expiry Date: - Issue No: 103 Version Start Date: 20/11/2014 Version End Date:
Not shown	1966	S	527800 182000	Status: Historical Licence No: 28/39/39/0021 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Household Direct Source: Thames Groundwater Point: Two Boreholes At Dorset House, Gloucester Place, London. W1 Data Type: Point Name: BELLNORTH LIMITED	Annual Volume (m³): 56370 Max Daily Volume (m³): 318 Original Application No: - Original Start Date: 13/12/1965 Expiry Date: - Issue No: 101 Version Start Date: 10/1/1994 Version End Date:
Not shown	1969	S	528470 181910	Status: Historical Licence No: 28/39/39/0215 Details: Non-Evaporative Cooling Direct Source: Thames Groundwater Point: 20 Devonshire Place, London-borehole B Data Type: Point Name: TRUSTEES OF THE LONDON CLINIC LIMITED	Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: WRA/N/1383 Original Start Date: 24/2/2005 Expiry Date: 31/3/2013 Issue No: 1 Version Start Date: 24/2/2005 Version End Date:

6.4 Surface Water Abstraction Licences

Surface Water Abstraction Licences within 2000m of the study site

Identified

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
30A	172	NE	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:
31A	178	NE	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:
Not shown	1392	E	529750 183600	Status: Historical Licence No: 28/39/39/0172 Details: Make-Up or Top Up Water Direct Source: Thames Surface Water - Non Tidal Point: Grand Union Canal At Camley Street Nature Park, London Data Type: Point Name: BRITISH WATERWAYS BOARD Annual Volume (m³): - Max Daily Volume (m³): - Application No: - Original Start Date: 18/9/1991 Expiry Date: - Issue No: 100 Version Start Date: 18/9/1991 Version End Date:
Not shown	1392	E	529750 183600	Status: Historical Licence No: 28/39/39/0172 Details: Make-Up or Top Up Water Direct Source: Thames Surface Water - Non Tidal Point: Camley Street Nature Park, London Data Type: Point Name: BRITISH WATERWAYS BOARD Annual Volume (m³): - Max Daily Volume (m³): - Application No: - Original Start Date: - Expiry Date: - Issue No: 100 Version Start Date: 18/9/1991 Version End Date:
Not shown	1944	SW	527050 182460	Status: Active Licence No: 28/39/39/0164 Details: Non-Evaporative Cooling Direct Source: Thames Surface Water - Non Tidal Point: St John's Wood, London - 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	1957	E	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

Potable Water Abstraction Licences within 2000m of the study site

Identified

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	750	W	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	750	W	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:
Not shown	752	W	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	911	NE	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 (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: Version End Date:
Not shown	911	NE	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 (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: Version End Date:
Not shown	1584	SW	527420 182620	Status: Active Licence No: 28/39/39/0115 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Household Direct Source: Thames Groundwater Point: Abbey Lodge, Park Road, London Nw8-two Boreholes Data Type: Point Name: ABBEY LODGE RTM COMPANY LIMITED Annual Volume (m³): 28640 Max Daily Volume (m³): 100 Original Application No: - Original Start Date: 5/9/1966 Expiry Date: - Issue No: 101 Version Start Date: Version End Date:

ID	Distance (m)	Direction	NGR	Details
Not shown	1584	SW	527420 182620	Status: Historical Licence No: 28/39/39/0115 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Household Direct Source: Thames Groundwater Point: Two Boreholes At Abbey Lodge, Park Road, London Nw8 Data Type: Point Name: WOOD MANAGEMENT TRUSTEES LTD Annual Volume (m³): 28640 Max Daily Volume (m³): 100 Original Application No: - Original Start Date: 5/9/1966 Expiry Date: - Issue No: 100 Version Start Date: - Version End Date: -
Not shown	1856	S	527850 182100	Status: Historical Licence No: 28/39/39/0070 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: Abbey House, Baker Street- Borehole Data Type: Point Name: BASKERVILLE ESTATES (GP) LIMITED Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: - Original Start Date: 13/6/1966 Expiry Date: - Issue No: 102 Version Start Date: - Version End Date: -
Not shown	1871	S	527800 182100	Status: Historical Licence No: 28/39/39/0070 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: Borehole At Abbey House, Baker Street, London Nw1 Data Type: Point Name: ABBEY NATIONAL PLC 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	1966	S	527800 182000	Status: Historical Licence No: 28/39/39/0021 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Household Direct Source: Thames Groundwater Point: Two Boreholes At Dorset House, Gloucester Place, London. W1 Data Type: Point Name: BELLNORTH LIMITED Annual Volume (m³): 56370 Max Daily Volume (m³): 318 Original Application No: - Original Start Date: 13/12/1965 Expiry Date: - Issue No: 101 Version Start Date: - Version End Date: -
Not shown	1966	S	527800 182000	Status: Active Licence No: 28/39/39/0021 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Household Direct Source: Thames Groundwater Point: Dorset House, London- 2 Boreholes Data Type: Point Name: Dorset House Residential Limited Annual Volume (m³): 56370 Max Daily Volume (m³): 318 Original Application No: NPS/WR/017647 Original Start Date: 13/12/1965 Expiry Date: - Issue No: 103 Version Start Date: - Version End Date: -

6.6 Source Protection Zones

Source Protection Zones within 500m of the study site

Identified

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

ID	Distance (m)	Direction	Zone	Description
1	480	W	2	Outer catchment

6.7 Source Protection Zones within Confined Aquifer

Source Protection Zones within the Confined Aquifer within 500m of the study site None identified

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

Environment Agency/Natural Resources Wales information on groundwater vulnerability and soil leaching potential within 500m of the study site None identified

Database searched and no data found.

6.9 River Quality

Environment Agency/Natural Resources Wales information on river quality within 1500m of the study site Identified

6.9.1 Biological Quality:

Biological Quality data describes water quality in terms of 83 groups of macroinvertebrates, some of which are pollution sensitive. The results are graded from A ('Very Good') to F ('Bad').

The following Biological Quality records are shown on the Hydrology Map (6e):

ID	Distance (m)	Direction	NGR	River Quality Grade	Biological Quality Grade				
					2005	2006	2007	2008	2009
Not shown	793	E	529150 184100	River Name: Grand Union Canal (paddington Arm) Reach: Canal Feeder - Camden Road End/Start of Stretch: End of Stretch NGR	F	F	F	F	E

6.9.2 Chemical Quality:

Database searched and no data found.

6.10 Ordnance Survey MasterMap Water Network

Ordnance Survey MasterMap Water Network entries within 500m of the study site

This watercourse information is provided by Ordnance Survey MasterMap Water Network. The data provides a detailed centre line following the curve of the waterway precisely, so all distances provided in the report should be understood as measurements to the centreline rather than a measurement to the nearest point of the watercourse. Underground watercourses are inferred from entry and exit points so caution is advised in using these to indicate precise locations of underground watercourses when planning site investigation and development.

The following Ordnance Survey MasterMap Water Network records are represented on the Hydrology Map (6e):

ID	Distance/ Direction	Name	Type of Watercourse	Additional Details
1	8 NW	Grand Union Canal Alternative Name: -	Canal. A manmade watercourse for inland navigation.	Catchment Area: Thames Relationship to Ground Level: On ground surface Permanence: Unclassified. Average Width in Watercourse Section (m): 12.8
26	8 NW	Grand Union Canal Alternative Name: -	Canal. A manmade watercourse for inland navigation.	Catchment Area: Thames Relationship to Ground Level: On ground surface Permanence: Unclassified. Average Width in Watercourse Section (m): 12.8
2	335 NE	- Alternative Name: -	Canal. A manmade watercourse for inland navigation.	Catchment Area: Thames Relationship to Ground Level: On ground surface Permanence: Unclassified. Average Width in Watercourse Section (m): 7.1
27	335 NE	- Alternative Name: -	Canal. A manmade watercourse for inland navigation.	Catchment Area: Thames Relationship to Ground Level: On ground surface Permanence: Unclassified. Average Width in Watercourse Section (m): 7.1
3	343 NE	Grand Union Canal Alternative Name: -	Canal. A manmade watercourse for inland navigation.	Catchment Area: Thames Relationship to Ground Level: On ground surface Permanence: Unclassified. Average Width in Watercourse Section (m): 12.4
28	343 NE	Grand Union Canal Alternative Name: -	Canal. A manmade watercourse for inland navigation.	Catchment Area: Thames Relationship to Ground Level: On ground surface Permanence: Unclassified. Average Width in Watercourse Section (m): 12.4
4	472 NE	Grand Union Canal Alternative Name: -	Canal. A manmade watercourse for inland navigation.	Catchment Area: Thames Relationship to Ground Level: On ground surface Permanence: Unclassified. Average Width in Watercourse Section (m): 14.8
5	472 NE	Grand Union Canal Alternative Name: -	Canal. A manmade watercourse for inland navigation.	Catchment Area: Thames Relationship to Ground Level: On ground surface Permanence: Unclassified. Average Width in Watercourse Section (m): 15.6
Not shown	472 NE	Grand Union Canal Alternative Name: -	Canal. A manmade watercourse for inland navigation.	Catchment Area: Thames Relationship to Ground Level: On ground surface Permanence: Unclassified. Average Width in Watercourse Section (m): 14.8
Not shown	472 NE	Grand Union Canal Alternative Name: -	Canal. A manmade watercourse for inland navigation.	Catchment Area: Thames Relationship to Ground Level: On ground surface Permanence: Unclassified. Average Width in Watercourse Section (m): 15.6

6.11 Surface Water Features

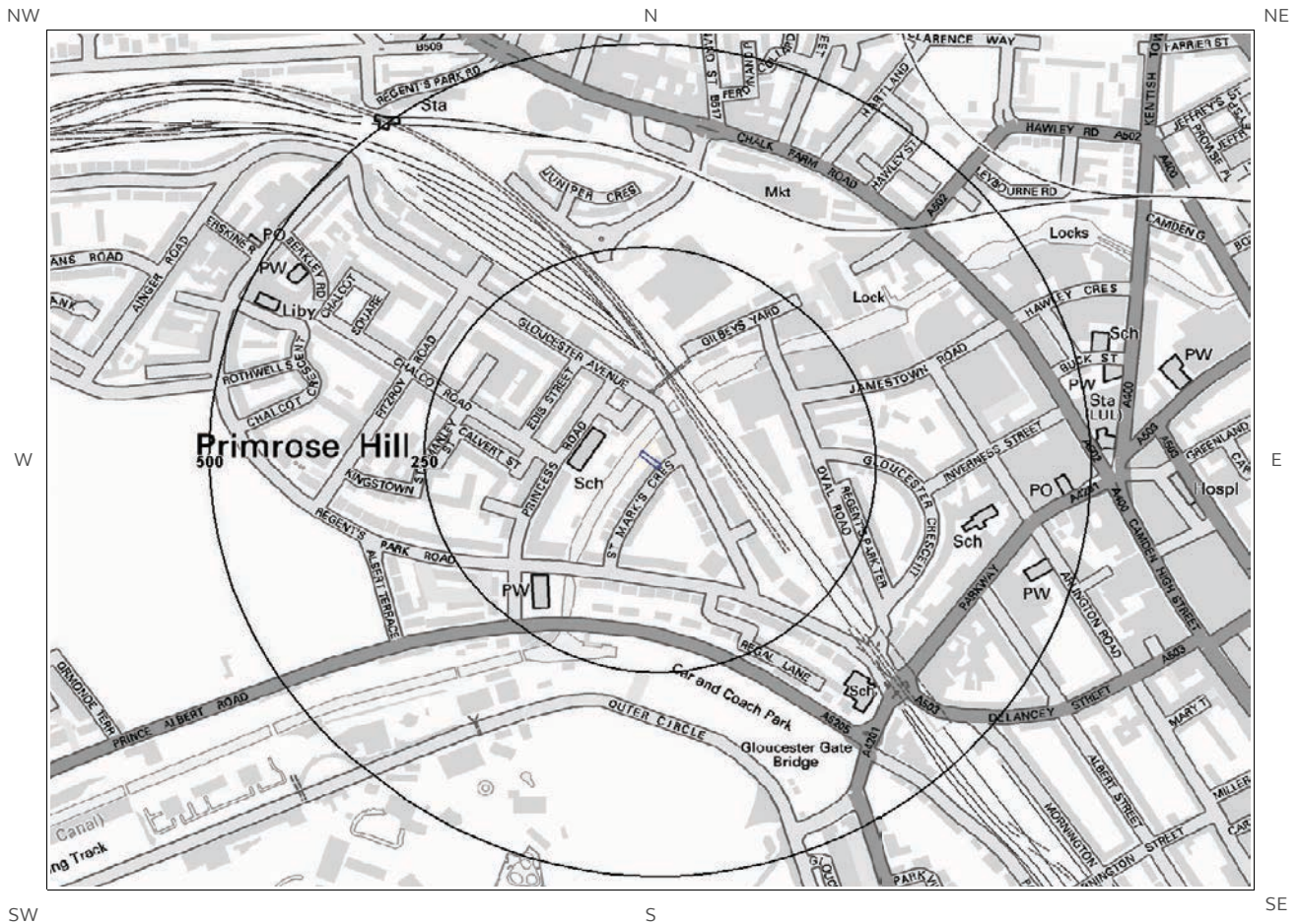
Surface water features within 250m of the study site

Identified

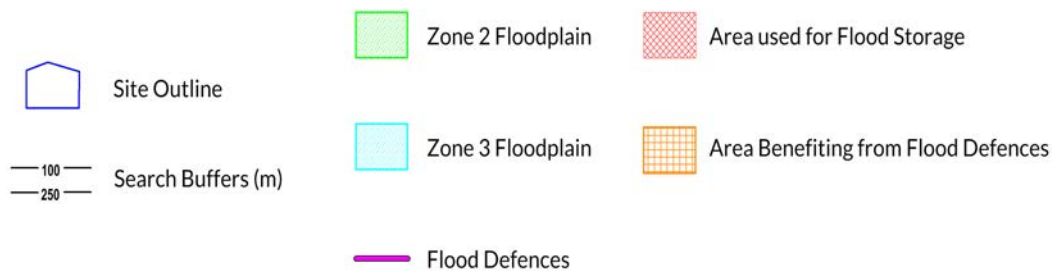
The following surface water records are not represented on mapping:

Distance (m)	Direction
0	On Site
56	NE
98	NE
160	SW
195	NE
222	S

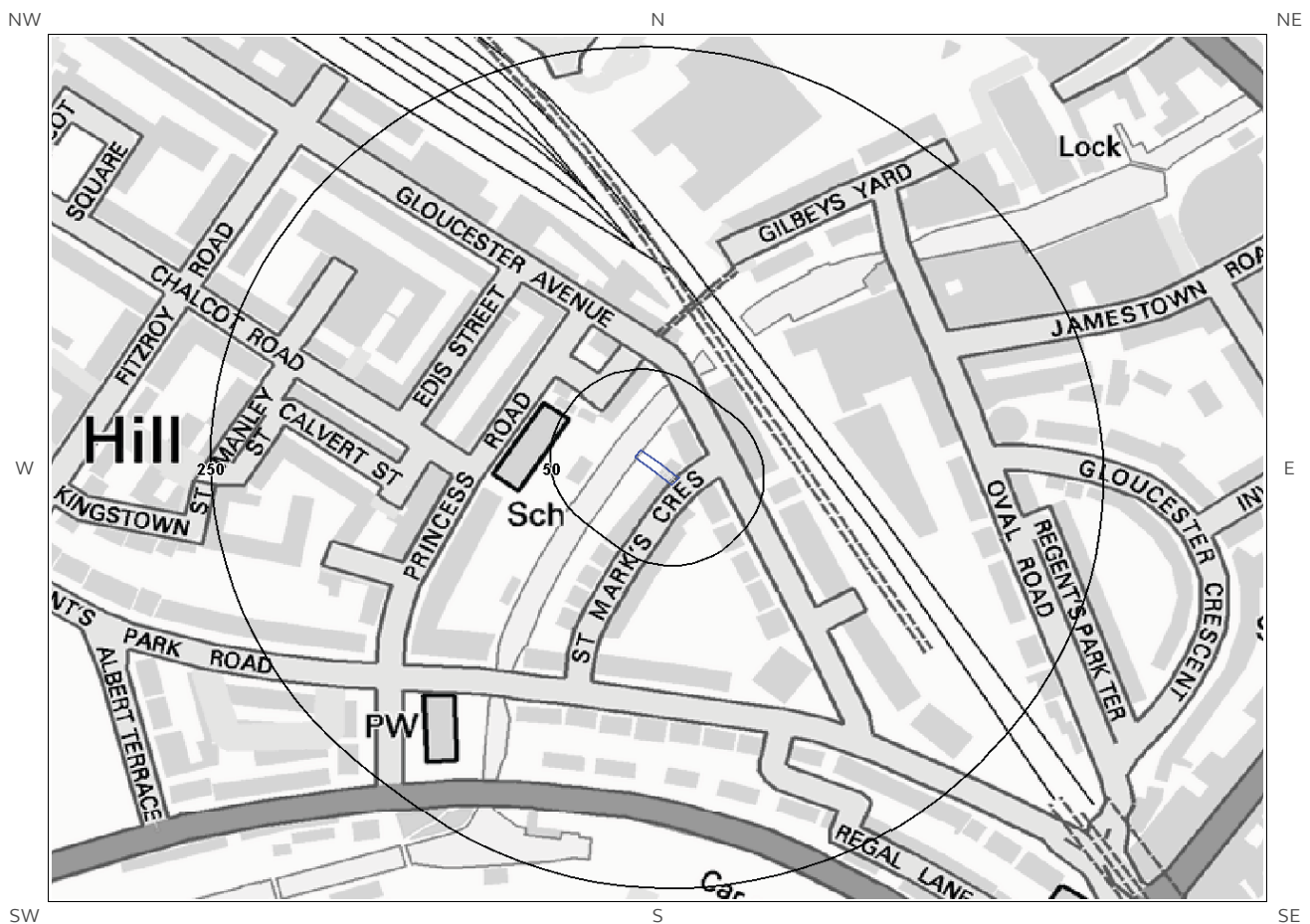
7a. Environment Agency/Natural Resources Wales Flood Map for Planning (from rivers and the sea)



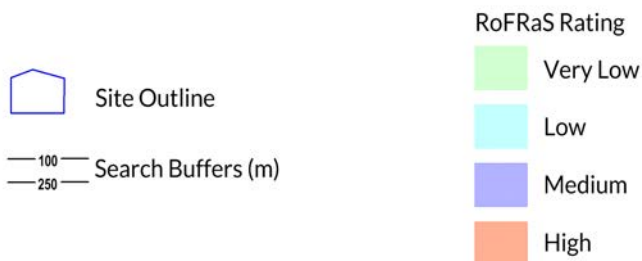
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7b. Environment Agency/Natural Resources Wales Risk of Flooding from Rivers and the Sea (RoFRaS) Map



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7 Flooding

7.1 River and Coastal Zone 2 Flooding

Environment Agency/Natural Resources Wales Zone 2 floodplain within 250m None identified

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

Environment Agency/Natural Resources Wales Zone 3 floodplain within 250m None identified

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

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

Flood Defences within 250m of the study site None identified
Database searched and no data found.

7.5 Areas benefiting from Flood Defences

Areas benefiting from Flood Defences within 250m of the study site None identified

7.6 Areas benefiting from Flood Storage

Areas used for Flood Storage within 250m of the study site

None identified

7.7 Groundwater Flooding Susceptibility Areas

7.7.1 British Geological Survey groundwater flooding susceptibility areas within 50m of the boundary of the study site

None identified

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 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

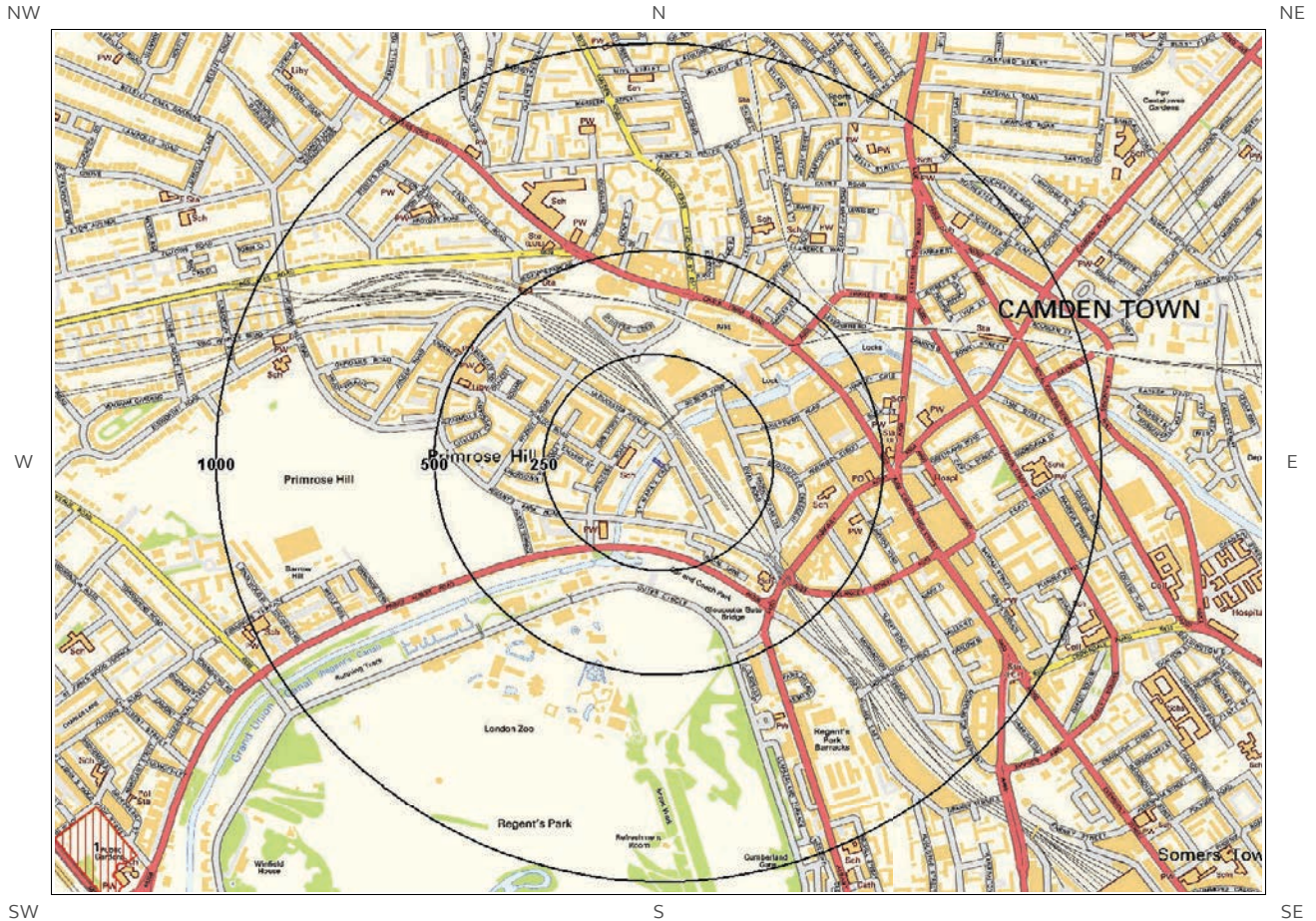
British Geological Survey confidence rating in this result

Not Applicable

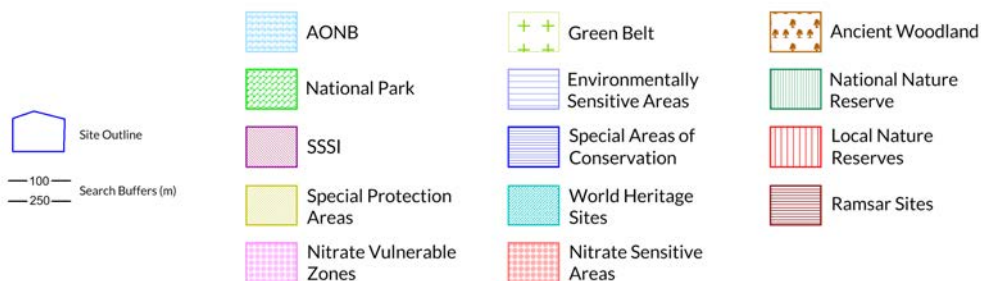
Notes: Groundwater flooding is defined as the emergence of groundwater at the ground surface or the rising of groundwater into man-made ground under conditions where the normal range of groundwater levels is exceeded.

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

Designated Environmentally Sensitive Sites within 2000m of the study site Identified

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

0

Database searched and no data found.

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

0

Database searched and no data found.

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

0

Database searched and no data found.

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

0

Database searched and no data found.

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

0

Database searched and no data found.

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

0

Database searched and no data found.

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

3

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
1	1518	SW	St John's Wood Church Grounds	Natural England
Not shown	1558	E	Camley Street Nature Park	Natural England
Not shown	1572	NW	Belsize Wood	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.

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

0

Database searched and no data found.

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

0

Database searched and no data found.

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

0

Database searched and no data found.

9. Natural Hazards Findings

9.1 Detailed BGS GeoSure Data

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

9.1.1 Shrink Swell

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

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

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

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

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

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.

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

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 site is not in a Radon Affected Area, as less than 1% of properties are above the Action Level.

The radon data in this report is supplied by the BGS/Public Health England and is the definitive map of Radon Affected Areas in Great Britain and Northern Ireland. The dataset was created using long-term radon measurements in over 479,000 homes across Great Britain and 23,000 homes across Northern Ireland, combined with geological data. The dataset is considered accurate to 50m to allow for the margin of error in geological lines, and the findings of this report supercede any answer given in the less accurate Indicative Atlas of Radon in Great Britain, which simplifies the data to give the highest risk within any given 1km grid square. As such, the radon atlas is considered indicative, whereas the data given in this report is considered definitive.

9.2.2 Radon Protection

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

10. Mining

10.1 Coal Mining

Coal mining areas within 75m of the study site	None identified
Database searched and no data found.	

10.2 Non-Coal Mining

Non-Coal Mining areas within 50m of the study site boundary	None identified
Database searched and no data found.	

10.3 Brine Affected Areas

Brine affected areas within 75m of the study site	None identified
Guidance: No Guidance Required.	

Contact Details

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