

4.2 Petrol and Fuel Sites

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

1

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

ID	Distance (m)	Direction	NGR	Company	Address	LPG	Status
16	407	N	529220 182952	BP	142 Hampstead Road, Regents Park, London, Inner London, NW1 2PT	No	Closed

4.3 National Grid High Voltage Underground Electricity Transmission Cables

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

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

0

Database searched and no data found.

4.4 National Grid High Pressure Gas Transmission Pipelines

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

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

0

Database searched and no data found.

5. Geology

5.1 Artificial Ground and Made Ground

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

Lex Code	Description	Rock Type
WGR-VOID	WORKED GROUND (UNDIVIDED)	VOID

5.2 Superficial Ground and Drift Geology

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

Lex Code	Description	Rock Type
LASI-XCZ	LANGLEY SILT MEMBER	CLAY AND SILT
LHGR-XSV	LYNCH HILL GRAVEL MEMBER	SAND AND GRAVEL

5.3 Bedrock and Solid Geology

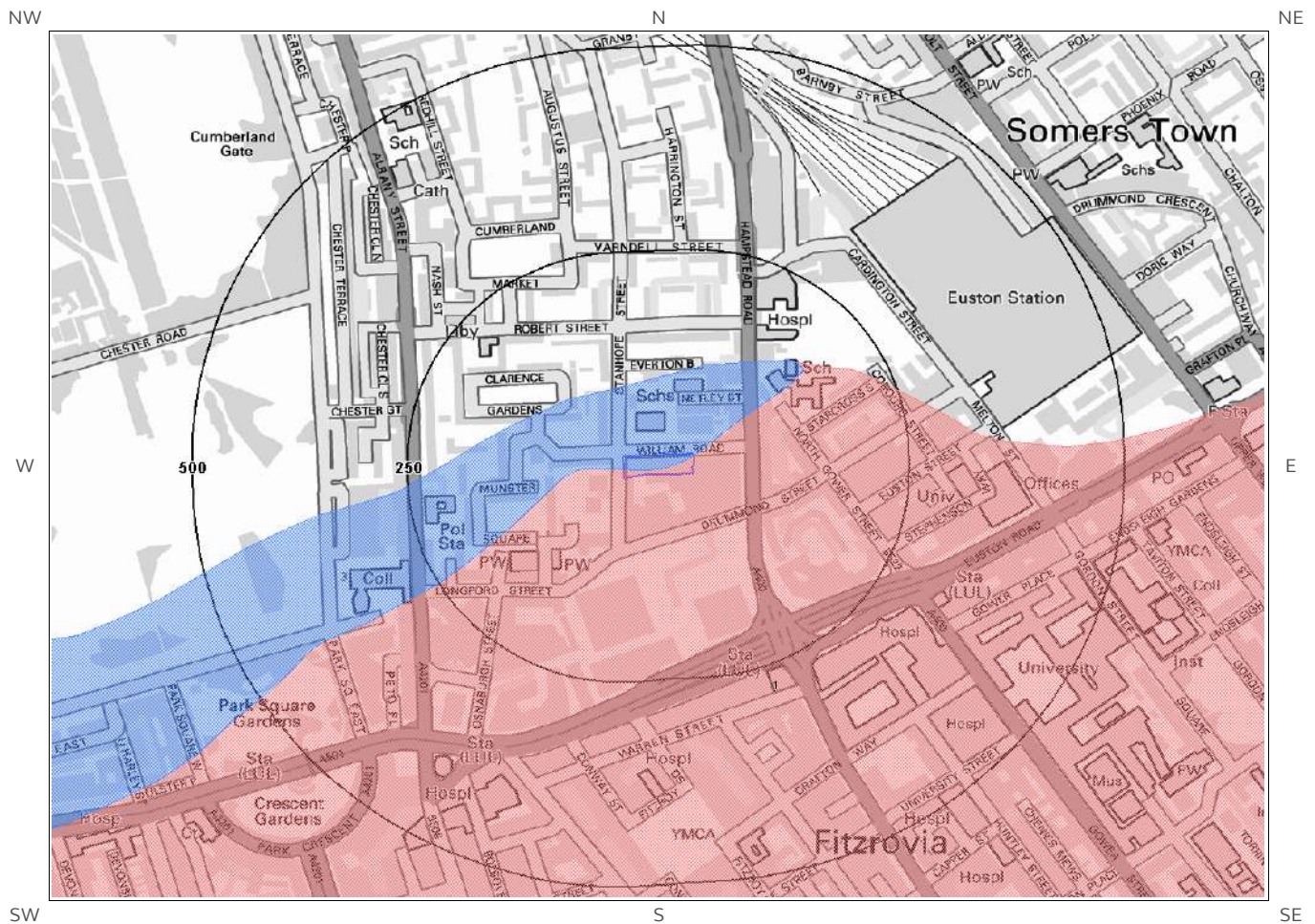
The database has been searched on site, including a 50m buffer.

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

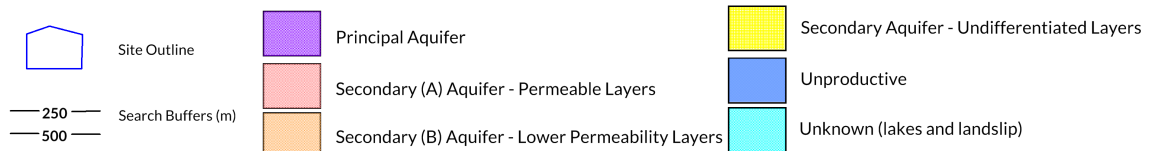
(Derived from the BGS 1:50,000 Digital Geological Map of Great Britain)

6 Hydrogeology and Hydrology

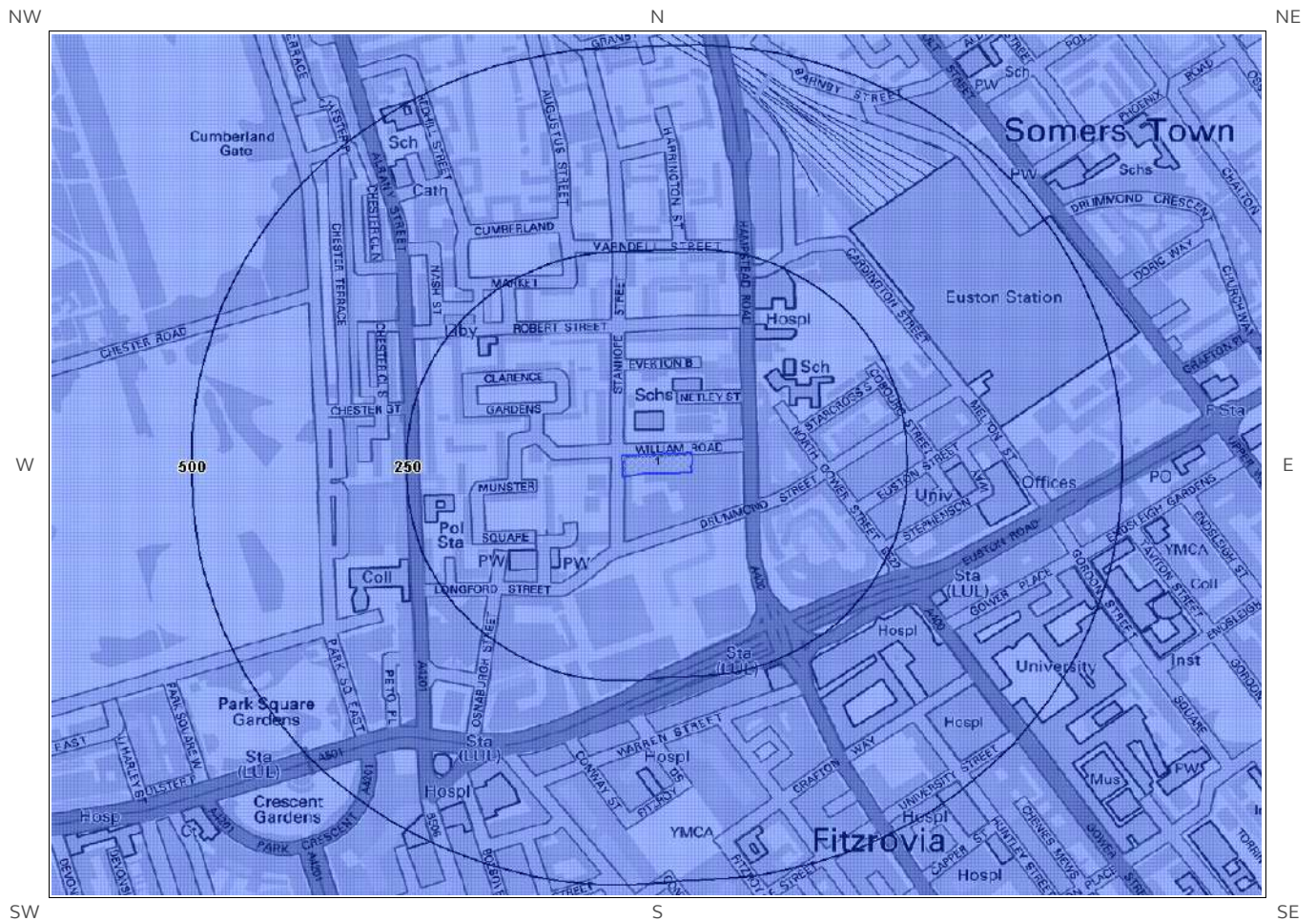
6a. Aquifer Within Superficial Geology



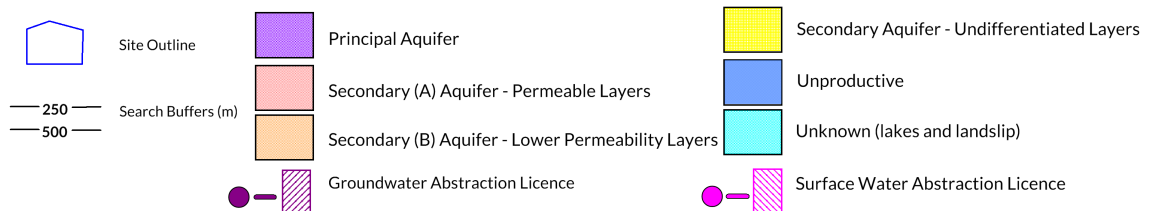
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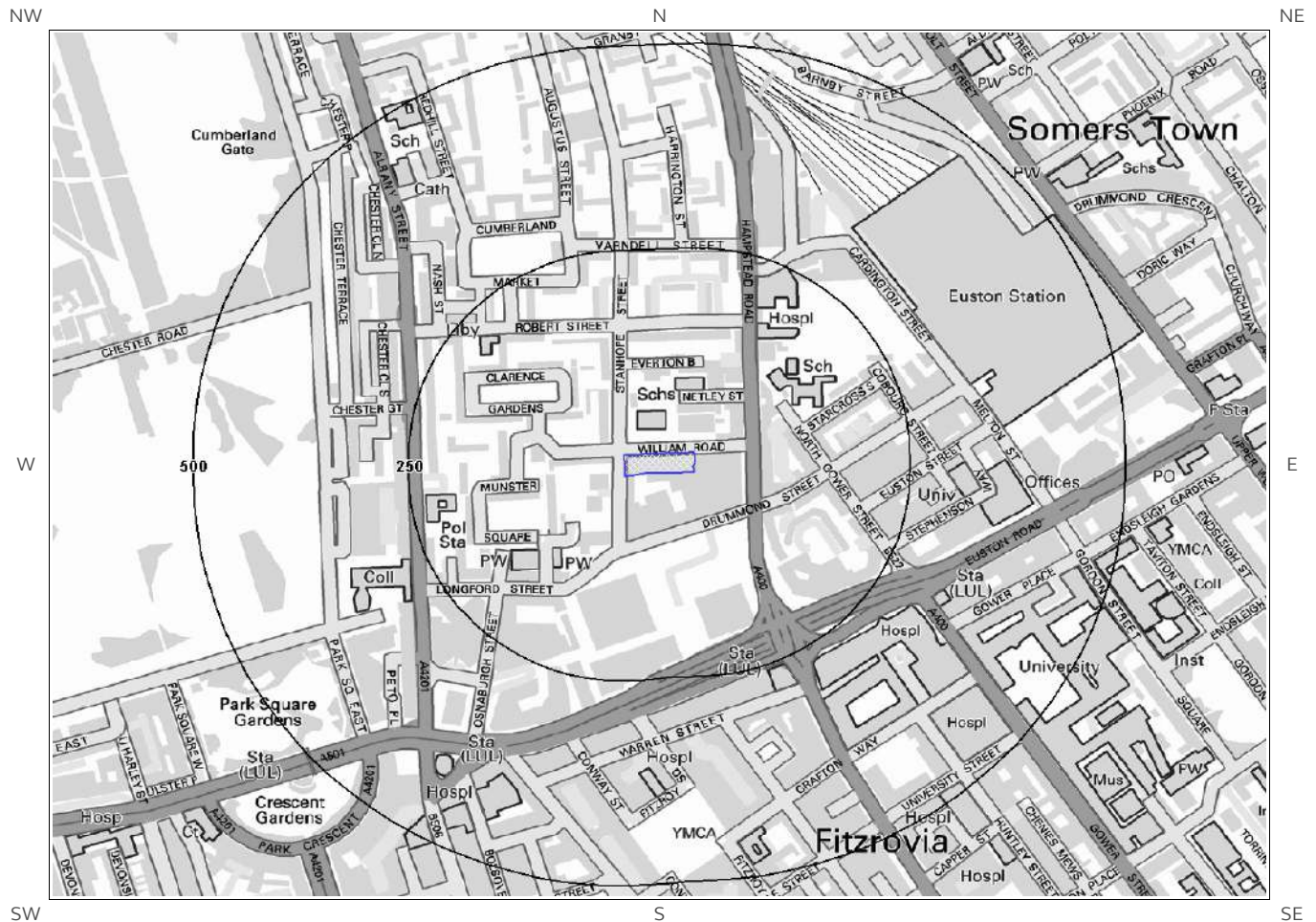
6b. Aquifer Within Bedrock Geology and Abstraction Licences



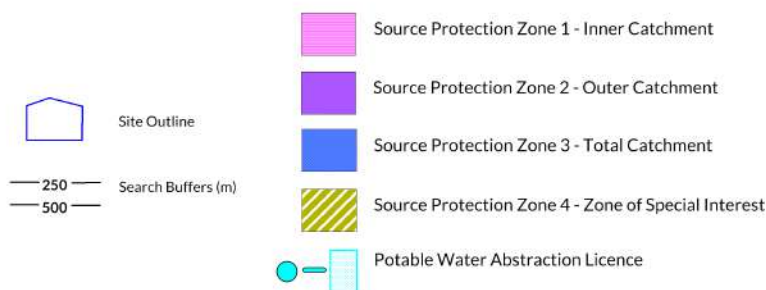
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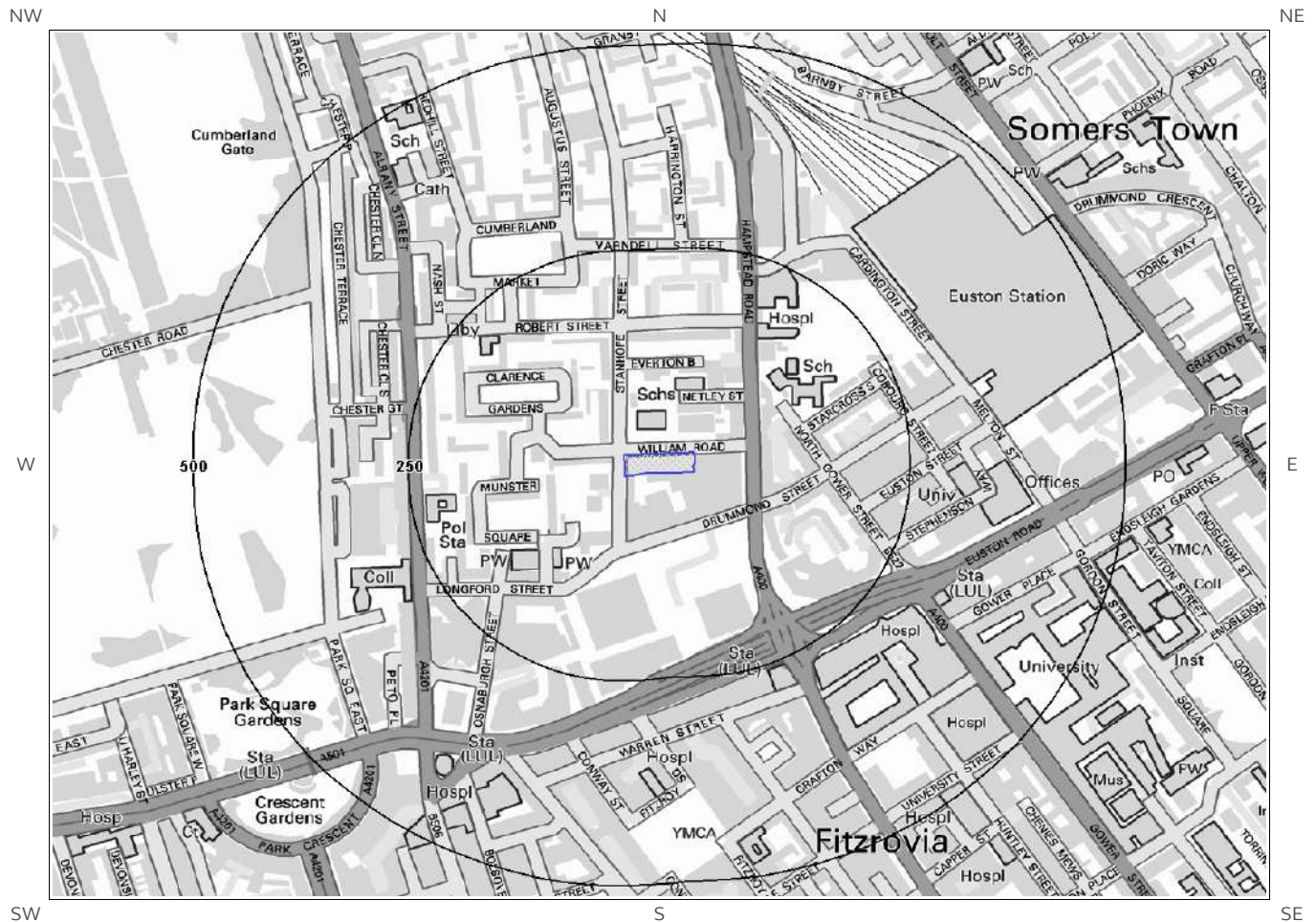
6c. Hydrogeology – Source Protection Zones and Potable Water Abstraction Licences



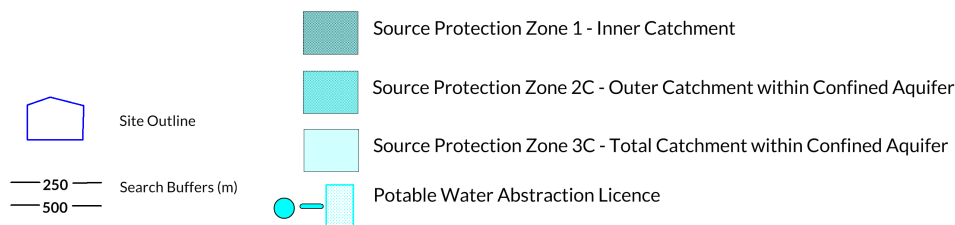
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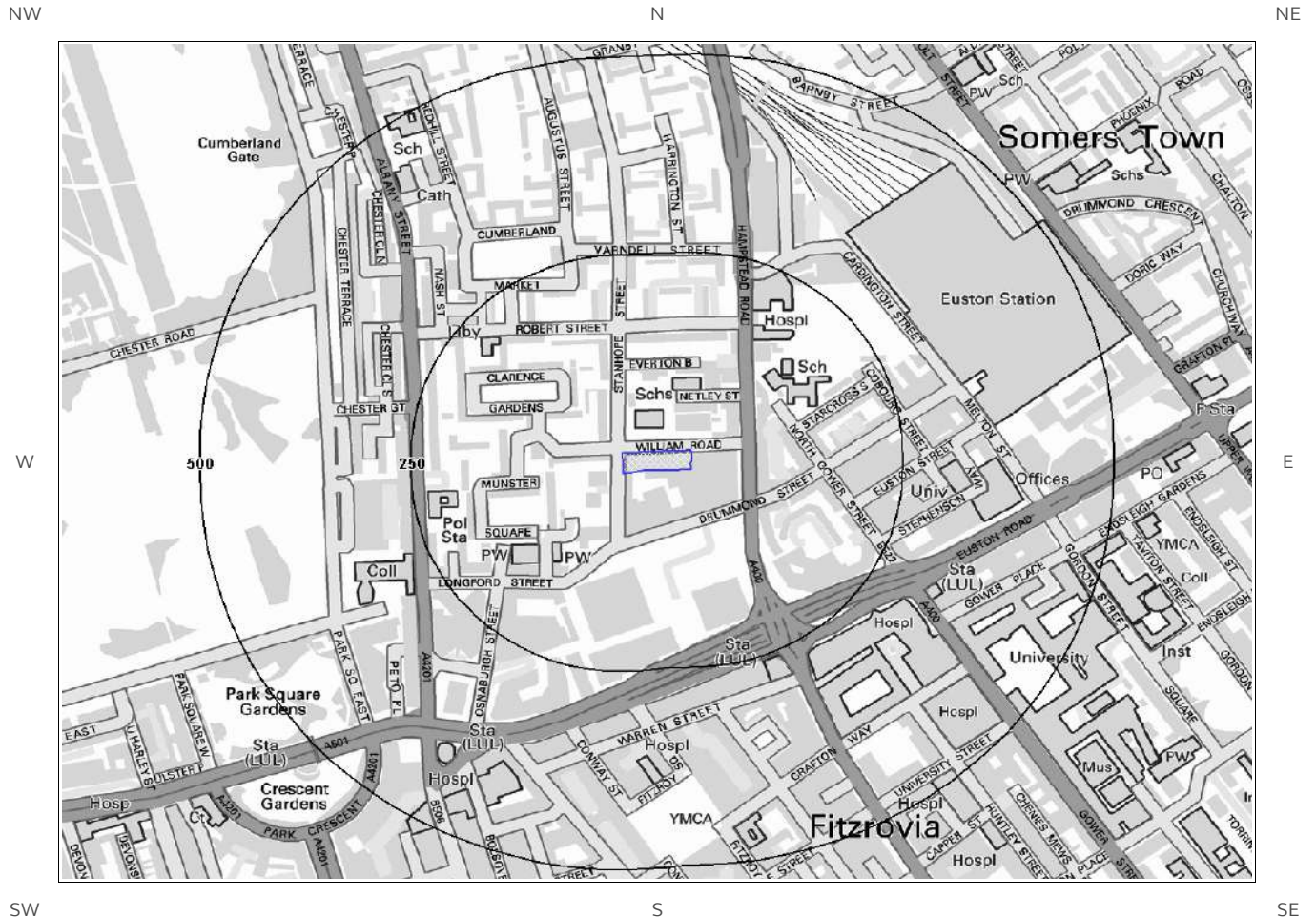
6d. Hydrogeology – Source Protection Zones within confined aquifer



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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 Yes

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

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

ID	Distance (m)	Direction	Designation	Description
1	0	On Site	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
3	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

6.2 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	
Not shown	666	S	528830 181900	Status: Historical Licence No: TH/039/0039/010 Details: Heat Pump Direct Source: THAMES GROUNDWATER Point: 10 WEYMOUTH STREET, RIDGEFORD PROPERTIES Data Type: Point Name: Ridgeford Properties Limited	Annual Volume (m³): 50000 Max Daily Volume (m³): 400 Original Application No: - Original Start Date: 13/08/2009 Expiry Date: 31/03/2013 Issue No: 1 Version Start Date: 13/08/2009 Version End Date:
Not shown	666	S	528830 181900	Status: Active Licence No: TH/039/0039/068 Details: Heat Pump Direct Source: THAMES GROUNDWATER Point: 10 WEYMOUTH STREET, RIDGEFORD PROPERTIES Data Type: Point Name: Ridgeford Properties Limited	Annual Volume (m³): 50000 Max Daily Volume (m³): 400 Original Application No: - Original Start Date: 01/04/2013 Expiry Date: 31/03/2025 Issue No: 1 Version Start Date: 01/04/2013 Version End Date:
Not shown	729	SW	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: - Original Start Date: 26/02/2010 Expiry Date: 31/03/2019 Issue No: 1 Version Start Date: 26/02/2010 Version End Date:
Not shown	729	SW	528407 182223	Status: Active Licence No: TH/039/0039/022/R01 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: - Original Start Date: 26/02/2010 Expiry Date: 31/03/2025 Issue No: 1 Version Start Date: 01/04/2019 Version End Date:
Not shown	729	SW	528407 182223	Status: Historical 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: - Original Start Date: 26/02/2010 Expiry Date: 31/03/2019 Issue No: 1 Version Start Date: 26/02/2010 Version End Date:
Not shown	837	SW	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: - Original Start Date: 24/02/2005 Expiry Date: 31/03/2013 Issue No: 1 Version Start Date: 24/02/2005 Version End Date:

ID	Distance (m)	Direction	NGR	Details	
Not shown	844	SW	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: - Original Start Date: 24/02/2005 Expiry Date: 31/03/2013 Issue No: 1 Version Start Date: 24/02/2005 Version End Date:
Not shown	851	SW	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: - Original Start Date: 24/02/2005 Expiry Date: 31/03/2013 Issue No: 1 Version Start Date: 24/02/2005 Version End Date:
Not shown	858	SW	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: - Original Start Date: 24/02/2005 Expiry Date: 31/03/2013 Issue No: 1 Version Start Date: 24/02/2005 Version End Date:
Not shown	914	E	530052 182718	Status: Historical Licence No: TH/039/0039/001 Details: Heat Pump Direct Source: THAMES GROUNDWATER Point: BIDBOROUGH HOUSE 20 MABLEDON PLACE LONDON Data Type: Point Name: LONDON BOROUGH OF CAMDEN	Annual Volume (m³): 327600 Max Daily Volume (m³): 1260 Original Application No: - Original Start Date: 09/04/2009 Expiry Date: 31/03/2013 Issue No: 1 Version Start Date: 09/04/2009 Version End Date:
Not shown	914	E	530052 182718	Status: Historical Licence No: TH/039/0039/064 Details: Heat Pump Direct Source: THAMES GROUNDWATER Point: BOREHOLE AT BIDBOROUGH HOUSE, 20 MABLEDON PLACE, LONDON Data Type: Point Name: University College London	Annual Volume (m³): 327600 Max Daily Volume (m³): 1440 Original Application No: - Original Start Date: 16/04/2013 Expiry Date: 31/03/2019 Issue No: 2 Version Start Date: 21/11/2014 Version End Date:
Not shown	914	E	530052 182718	Status: Historical Licence No: TH/039/0039/001 Details: Heat Pump Direct Source: THAMES GROUNDWATER Point: BOREHOLE AT BIDBOROUGH HOUSE 20 MABLEDON PLACE LONDON Data Type: Point Name: LONDON BOROUGH OF CAMDEN	Annual Volume (m³): 327600 Max Daily Volume (m³): 1260 Original Application No: - Original Start Date: 09/04/2009 Expiry Date: 31/03/2013 Issue No: 1 Version Start Date: 09/04/2009 Version End Date:
Not shown	966	SE	529858 181865	Status: Historical Licence No: TH/039/0039/031 Details: Heat Pump Direct Source: THAMES GROUNDWATER Point: BOREHOLE 2, KEPPEL STREET Data Type: Point Name: London School of Hygiene and Tropical Medicine	Annual Volume (m³): 203407 Max Daily Volume (m³): 558 Original Application No: - Original Start Date: 08/11/2010 Expiry Date: 31/03/2019 Issue No: 1 Version Start Date: 08/11/2010 Version End Date:

ID	Distance (m)	Direction	NGR	Details	
Not shown	966	SE	529858 181865	Status: Historical Licence No: TH/039/0039/031 Details: Heat Pump Direct Source: THAMES GROUNDWATER Point: KEPPEL STREET, BLOOMSBURY, LONDON - BOREHOLE 2 Data Type: Point Name: London School of Hygiene and Tropical Medicine	Annual Volume (m³): 203407 Max Daily Volume (m³): 558 Original Application No: - Original Start Date: 08/11/2010 Expiry Date: 31/03/2019 Issue No: 1 Version Start Date: 01/04/2011 Version End Date:
Not shown	969	SE	529860 181863	Status: Historical Licence No: TH/039/0039/031 Details: Heat Pump Direct Source: THAMES GROUNDWATER Point: KEPPEL STREET, BLOOMSBURY, LONDON - BOREHOLE 1 Data Type: Point Name: London School of Hygiene and Tropical Medicine	Annual Volume (m³): 203407 Max Daily Volume (m³): 558 Original Application No: - Original Start Date: 08/11/2010 Expiry Date: 31/03/2019 Issue No: 1 Version Start Date: 01/04/2011 Version End Date:
Not shown	969	SE	529860 181863	Status: Historical Licence No: TH/039/0039/031 Details: Heat Pump Direct Source: THAMES GROUNDWATER Point: BOREHOLE 1, KEPPEL STREET Data Type: Point Name: London School of Hygiene and Tropical Medicine	Annual Volume (m³): 203407 Max Daily Volume (m³): 558 Original Application No: - Original Start Date: 08/11/2010 Expiry Date: 31/03/2019 Issue No: 1 Version Start Date: 08/11/2010 Version End Date:
Not shown	1121	S	529100 181400	Status: Historical Licence No: 28/39/39/0138 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: THAMES GROUNDWATER Point: BOREHOLE 'B' AT WALMER HOUSE, 296 REGENT STREET, LONDON W1 Data Type: Point Name: CAPITAL AND COUNTIES PROPERTY COMPANY LIMITED	Annual Volume (m³): 9126 Max Daily Volume (m³): 25 Original Application No: - Original Start Date: 11/10/1971 Expiry Date: - Issue No: 100 Version Start Date: 26/11/1979 Version End Date:
Not shown	1121	S	529100 181400	Status: Historical Licence No: 28/39/39/0138 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: THAMES GROUNDWATER Point: WALMER HOUSE, 296 REGENT STREET, LONDON W1-BOREHOLE B Data Type: Point Name: CAPITAL AND COUNTIES PROPERTY COMPANY LIMITED	Annual Volume (m³): 9126 Max Daily Volume (m³): 25 Original Application No: - Original Start Date: 11/10/1971 Expiry Date: - Issue No: 100 Version Start Date: 26/11/1979 Version End Date:
Not shown	1172	S	529010 181350	Status: Active Licence No: 28/39/39/0138 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: THAMES GROUNDWATER Point: WALMER HOUSE, 296 REGENT STREET, LONDON, W1B - BOREHOLE 'A' Data Type: Point Name: Ponsarn Investments Limited	Annual Volume (m³): 9126 Max Daily Volume (m³): 25 Original Application No: - Original Start Date: 11/10/1971 Expiry Date: - Issue No: 102 Version Start Date: 29/11/2012 Version End Date:

ID	Distance (m)	Direction	NGR	Details
Not shown	1192	S	529010 181330	<p>Status: Active Licence No: 28/39/39/0138 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: THAMES GROUNDWATER Point: WALMER HOUSE, 296 REGENT STREET, LONDON, W1B - BOREHOLE 'B' Data Type: Point Name: Pontsarn Investments Limited</p> <p>Annual Volume (m³): 9126 Max Daily Volume (m³): 25 Original Application No: - Original Start Date: 11/10/1971 Expiry Date: - Issue No: 102 Version Start Date: 29/11/2012 Version End Date:</p>
Not shown	1223	S	529000 181300	<p>Status: Historical Licence No: 28/39/39/0138 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: THAMES GROUNDWATER Point: WALMER HOUSE, 296 REGENT STREET, LONDON W1-BOREHOLE A Data Type: Point Name: CAPITAL AND COUNTIES PROPERTY COMPANY LIMITED</p> <p>Annual Volume (m³): 9126 Max Daily Volume (m³): 25 Original Application No: - Original Start Date: 11/10/1971 Expiry Date: - Issue No: 100 Version Start Date: 26/11/1979 Version End Date:</p>
Not shown	1223	S	529000 181300	<p>Status: Historical Licence No: 28/39/39/0138 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: THAMES GROUNDWATER Point: BOREHOLE 'A' AT WALMER HOUSE, 296 REGENT STREET, LONDON W1 Data Type: Point Name: CAPITAL AND COUNTIES PROPERTY COMPANY LIMITED</p> <p>Annual Volume (m³): 9126 Max Daily Volume (m³): 25 Original Application No: - Original Start Date: 11/10/1971 Expiry Date: - Issue No: 100 Version Start Date: 26/11/1979 Version End Date:</p>
Not shown	1293	W	527850 182100	<p>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</p> <p>Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: - Original Start Date: 13/06/1966 Expiry Date: - Issue No: 102 Version Start Date: 19/12/2003 Version End Date:</p>
Not shown	1340	W	527800 182100	<p>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</p> <p>Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: - Original Start Date: 13/06/1966 Expiry Date: - Issue No: 101 Version Start Date: 02/05/2000 Version End Date:</p>
Not shown	1370	NW	528000 183400	<p>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</p> <p>Annual Volume (m³): 681.9 Max Daily Volume (m³): 59 Original Application No: - Original Start Date: 04/04/1966 Expiry Date: - Issue No: 100 Version Start Date: 04/04/1966 Version End Date:</p>

ID	Distance (m)	Direction	NGR	Details	
Not shown	1375	W	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: 10/01/1994 Version End Date:
Not shown	1375	W	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: - Original Start Date: 13/12/1965 Expiry Date: - Issue No: 103 Version Start Date: 20/11/2014 Version End Date:
Not shown	1424	NE	530368 183294	Status: Active Licence No: TH/039/0039/055 Details: Heat Pump Direct Source: THAMES GROUNDWATER Point: REGENT QUARTER - BOREHOLE A Data Type: Point Name: BNP Paribas Jersey Trust Corp Ltd and Anley Trustees Ltd	Annual Volume (m³): 323612 Max Daily Volume (m³): 2160 Original Application No: - Original Start Date: 06/02/2013 Expiry Date: 31/03/2025 Issue No: 2 Version Start Date: 25/06/2014 Version End Date:
Not shown	1510	SW	528061 181399	Status: Historical Licence No: 28/39/39/0241 Details: Heat Pump Direct Source: THAMES GROUNDWATER Point: 7-15 BAKER STREET, LONDON, W1U - BOREHOLE Data Type: Point Name: AUB (BAKER STREET) DEVELOPMENT LIMITED	Annual Volume (m³): 52560 Max Daily Volume (m³): 201.6 Original Application No: - Original Start Date: 12/12/2008 Expiry Date: 31/03/2013 Issue No: 1 Version Start Date: 12/12/2008 Version End Date:
Not shown	1510	SW	528061 181399	Status: Active Licence No: TH/039/0039/080/R01 Details: Heat Pump Direct Source: THAMES GROUNDWATER Point: 7-15 BAKER STREET, LONDON, W1U - BOREHOLE Data Type: Point Name: London Baker Street SARL	Annual Volume (m³): 40237 Max Daily Volume (m³): 202 Original Application No: - Original Start Date: 01/04/2019 Expiry Date: 31/03/2025 Issue No: 1 Version Start Date: 01/04/2019 Version End Date:
Not shown	1510	SW	528061 181399	Status: Historical Licence No: TH/039/0039/080 Details: Heat Pump Direct Source: THAMES GROUNDWATER Point: 7-15 BAKER STREET, LONDON, W1U - BOREHOLE Data Type: Point Name: London Baker Street SARL	Annual Volume (m³): 52560 Max Daily Volume (m³): 202 Original Application No: - Original Start Date: 19/07/2013 Expiry Date: 31/03/2019 Issue No: 2 Version Start Date: 08/07/2016 Version End Date:
Not shown	1654	W	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: 05/09/1966 Expiry Date: - Issue No: 101 Version Start Date: 01/06/2006 Version End Date:

ID	Distance (m)	Direction	NGR	Details
Not shown	1654	W	527420 182620	<p>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</p> <p>Annual Volume (m³): 28640 Max Daily Volume (m³): 100 Original Application No: - Original Start Date: 05/09/1966 Expiry Date: - Issue No: 100 Version Start Date: 28/11/1991 Version End Date:</p>
Not shown	1675	NE	529920 184040	<p>Status: Historical 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</p> <p>Annual Volume (m³): 33400 Max Daily Volume (m³): 200 Original Application No: - Original Start Date: 21/04/2010 Expiry Date: 31/03/2019 Issue No: 2 Version Start Date: 13/08/2012 Version End Date:</p>
Not shown	1675	NE	529920 184040	<p>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</p> <p>Annual Volume (m³): 55200 Max Daily Volume (m³): 200 Original Application No: - Original Start Date: 31/08/2006 Expiry Date: 31/03/2010 Issue No: 1 Version Start Date: 31/08/2006 Version End Date:</p>
Not shown	1724	SW	528190 181039	<p>Status: Historical Licence No: TH/039/0039/039 Details: Heat Pump Direct Source: THAMES GROUNDWATER Point: OXFORD STREET - BOREHOLE C Data Type: Point Name: Park House (Oxford St.) Ltd</p> <p>Annual Volume (m³): 1.95523 Max Daily Volume (m³): 5357 Original Application No: - Original Start Date: 01/09/2011 Expiry Date: 31/03/2019 Issue No: 2 Version Start Date: 17/09/2012 Version End Date:</p>
Not shown	1724	SW	528190 181039	<p>Status: Historical Licence No: TH/039/0039/039 Details: Heat Pump Direct Source: THAMES GROUNDWATER Point: BOREHOLE C- OXFORD STREET Data Type: Point Name: Park House (Oxford St.) Ltd</p> <p>Annual Volume (m³): 1.95523 Max Daily Volume (m³): 5357 Original Application No: - Original Start Date: 01/09/2011 Expiry Date: 31/03/2019 Issue No: 1 Version Start Date: 01/09/2011 Version End Date:</p>
Not shown	1738	SW	528197 181019	<p>Status: Historical Licence No: TH/039/0039/039 Details: Heat Pump Direct Source: THAMES GROUNDWATER Point: OXFORD STREET - BOREHOLE B Data Type: Point Name: Park House (Oxford St.) Ltd</p> <p>Annual Volume (m³): 1.95523 Max Daily Volume (m³): 5357 Original Application No: - Original Start Date: 01/09/2011 Expiry Date: 31/03/2019 Issue No: 2 Version Start Date: 17/09/2012 Version End Date:</p>
Not shown	1738	SW	528197 181019	<p>Status: Historical Licence No: TH/039/0039/039 Details: Heat Pump Direct Source: THAMES GROUNDWATER Point: BOREHOLE B- OXFORD STREET Data Type: Point Name: Park House (Oxford St.) Ltd</p> <p>Annual Volume (m³): 1.95523 Max Daily Volume (m³): 5357 Original Application No: - Original Start Date: 01/09/2011 Expiry Date: 31/03/2019 Issue No: 1 Version Start Date: 01/09/2011 Version End Date:</p>

ID	Distance (m)	Direction	NGR	Details	
Not shown	1743	S	528765 180766	Status: Historical Licence No: TH/039/0039/036 Details: Heat Pump Direct Source: THAMES GROUNDWATER Point: 40-54 GROSVENOR HILL LONDON Data Type: Line Name: Grosvenor West End Properties Limited	Annual Volume (m³): 438000 Max Daily Volume (m³): 1200 Original Application No: - Original Start Date: 28/02/2011 Expiry Date: 31/03/2019 Issue No: 2 Version Start Date: 11/11/2011 Version End Date:
Not shown	1743	S	528793 180800	Status: Historical Licence No: TH/039/0039/036 Details: Heat Pump Direct Source: THAMES GROUNDWATER Point: 40-54 GROSVENOR HILL LONDON Data Type: Point Name: Grosvenor Properties	Annual Volume (m³): 438000 Max Daily Volume (m³): 1200 Original Application No: - Original Start Date: 28/02/2011 Expiry Date: 31/03/2019 Issue No: 3 Version Start Date: 14/10/2014 Version End Date:
Not shown	1781	S	528765 180766	Status: Historical Licence No: TH/039/0039/036 Details: Heat Pump Direct Source: THAMES GROUNDWATER Point: BOREHOLE AT 70 GROSVENOR STREET LONDON Data Type: Point Name: Grosvenor West End Properties Limited	Annual Volume (m³): 473040 Max Daily Volume (m³): 1296 Original Application No: - Original Start Date: 28/02/2011 Expiry Date: 31/03/2019 Issue No: 1 Version Start Date: 28/02/2011 Version End Date:
Not shown	1781	S	528765 180766	Status: Historical Licence No: TH/039/0039/036 Details: Heat Pump Direct Source: THAMES GROUNDWATER Point: 40-54 GROSVENOR HILL LONDON Data Type: Point Name: Grosvenor Properties	Annual Volume (m³): 438000 Max Daily Volume (m³): 1200 Original Application No: - Original Start Date: 28/02/2011 Expiry Date: 31/03/2019 Issue No: 3 Version Start Date: 14/10/2014 Version End Date:
Not shown	1788	SW	528135 180998	Status: Historical Licence No: TH/039/0039/039 Details: Heat Pump Direct Source: THAMES GROUNDWATER Point: BOREHOLE A - OXFORD STREET Data Type: Point Name: Park House (Oxford St.) Ltd	Annual Volume (m³): 1.95523 Max Daily Volume (m³): 5357 Original Application No: - Original Start Date: 01/09/2011 Expiry Date: 31/03/2019 Issue No: 1 Version Start Date: 01/09/2011 Version End Date:
Not shown	1788	SW	528135 180998	Status: Historical Licence No: TH/039/0039/039 Details: Heat Pump Direct Source: THAMES GROUNDWATER Point: OXFORD STREET - BOREHOLE A Data Type: Point Name: Park House (Oxford St.) Ltd	Annual Volume (m³): 1.95523 Max Daily Volume (m³): 5357 Original Application No: - Original Start Date: 01/09/2011 Expiry Date: 31/03/2019 Issue No: 2 Version Start Date: 17/09/2012 Version End Date:
Not shown	1833	NW	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: - Original Start Date: 26/09/2002 Expiry Date: 31/03/2007 Issue No: 1 Version Start Date: 26/09/2002 Version End Date:
Not shown	1833	NW	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: - Original Start Date: 01/04/2007 Expiry Date: 31/03/2013 Issue No: 1 Version Start Date: 01/04/2007 Version End Date:

ID	Distance (m)	Direction	NGR	Details
Not shown	1840	NW	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: - Original Start Date: 01/04/2013 Expiry Date: 31/03/2025 Issue No: 1 Version Start Date: 01/04/2013 Version End Date:
Not shown	1933	S	528532 180665	Status: Active Licence No: TH/039/0039/106 Details: Heat Pump Direct Source: THAMES GROUNDWATER Point: BOREHOLE AT 6 CARLOS PLACE, LONDON Data Type: Point Name: Kering International Limited Annual Volume (m³): 23511 Max Daily Volume (m³): 100 Original Application No: - Original Start Date: 11/03/2015 Expiry Date: 31/03/2025 Issue No: 1 Version Start Date: 11/03/2015 Version End Date:
Not shown	1979	S	529113 180542	Status: Historical Licence No: TH/039/0039/042 Details: Heat Pump Direct Source: THAMES GROUNDWATER Point: BOREHOLE AT OLD BOND STREET, LONDON Data Type: Point Name: Prada Retail UK Ltd Annual Volume (m³): 74043 Max Daily Volume (m³): 354 Original Application No: - Original Start Date: 24/10/2012 Expiry Date: 31/03/2019 Issue No: 1 Version Start Date: 24/10/2012 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
Not shown	1207	NE	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: 18/09/1991 Expiry Date: - Issue No: 100 Version Start Date: 18/09/1991 Version End Date:
Not shown	1207	NE	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: 18/09/1991 Version End Date:
Not shown	1510	NE	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): 7.01 Max Daily Volume (m³): 19520 Application No: - Original Start Date: 18/07/1980 Expiry Date: - Issue No: 101 Version Start Date: 17/12/2007 Version End Date:

ID	Distance (m)	Direction	NGR	Details
Not shown	1581	N	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): 7.01 Max Daily Volume (m³): 19520 Application No: - Original Start Date: 18/07/1980 Expiry Date: - Issue No: 101 Version Start Date: 17/12/2007 Version End Date:
Not shown	1584	N	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: 08/12/1994 Expiry Date: - Issue No: 100 Version Start Date: 08/12/1994 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	1121	S	529100 181400	Status: Historical Licence No: 28/39/39/0138 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: THAMES GROUNDWATER Point: BOREHOLE 'B' AT WALMER HOUSE, 296 REGENT STREET, LONDON W1 Data Type: Point Name: CAPITAL AND COUNTIES PROPERTY COMPANY LIMITED Annual Volume (m³): 9126 Max Daily Volume (m³): 25 Original Application No: - Original Start Date: 11/10/1971 Expiry Date: - Issue No: 100 Version Start Date: Version End Date:
Not shown	1121	S	529100 181400	Status: Historical Licence No: 28/39/39/0138 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: THAMES GROUNDWATER Point: WALMER HOUSE, 296 REGENT STREET, LONDON W1-BOREHOLE B Data Type: Point Name: CAPITAL AND COUNTIES PROPERTY COMPANY LIMITED Annual Volume (m³): 9126 Max Daily Volume (m³): 25 Original Application No: - Original Start Date: 11/10/1971 Expiry Date: - Issue No: 100 Version Start Date: Version End Date:
Not shown	1172	S	529010 181350	Status: Active Licence No: 28/39/39/0138 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: THAMES GROUNDWATER Point: WALMER HOUSE, 296 REGENT STREET, LONDON, W1B - BOREHOLE 'A' Data Type: Point Name: Pontsarn Investments Limited Annual Volume (m³): 9126 Max Daily Volume (m³): 25 Original Application No: - Original Start Date: 11/10/1971 Expiry Date: - Issue No: 102 Version Start Date: Version End Date:
Not	1192	S	529010	Status: Active Annual Volume (m³): 9126

ID	Distance (m)	Direction	NGR	Details
shown			181330	<p>Licence No: 28/39/39/0138 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: THAMES GROUNDWATER Point: WALMER HOUSE, 296 REGENT STREET, LONDON, W1B - BOREHOLE 'B' Data Type: Point Name: Ponsarn Investments Limited</p> <p>Max Daily Volume (m³): 25 Original Application No: - Original Start Date: 11/10/1971 Expiry Date: - Issue No: 102 Version Start Date: Version End Date:</p>
Not shown	1223	S	529000 181300	<p>Status: Historical Licence No: 28/39/39/0138 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: THAMES GROUNDWATER Point: BOREHOLE 'A' AT WALMER HOUSE, 296 REGENT STREET, LONDON W1 Data Type: Point Name: CAPITAL AND COUNTIES PROPERTY COMPANY LIMITED</p> <p>Annual Volume (m³): 9126 Max Daily Volume (m³): 25 Original Application No: - Original Start Date: 11/10/1971 Expiry Date: - Issue No: 100 Version Start Date: Version End Date:</p>
Not shown	1223	S	529000 181300	<p>Status: Historical Licence No: 28/39/39/0138 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: THAMES GROUNDWATER Point: WALMER HOUSE, 296 REGENT STREET, LONDON W1-BOREHOLE A Data Type: Point Name: CAPITAL AND COUNTIES PROPERTY COMPANY LIMITED</p> <p>Annual Volume (m³): 9126 Max Daily Volume (m³): 25 Original Application No: - Original Start Date: 11/10/1971 Expiry Date: - Issue No: 100 Version Start Date: Version End Date:</p>
Not shown	1293	W	527850 182100	<p>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</p> <p>Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: - Original Start Date: 13/06/1966 Expiry Date: - Issue No: 102 Version Start Date: Version End Date:</p>
Not shown	1340	W	527800 182100	<p>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</p> <p>Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: - Original Start Date: 13/06/1966 Expiry Date: - Issue No: 101 Version Start Date: Version End Date:</p>
Not shown	1375	W	527800 182000	<p>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</p> <p>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:</p>
Not shown	1375	W	527800 182000	<p>Status: Active Licence No: 28/39/39/0021 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Household Direct Source: THAMES GROUNDWATER</p> <p>Annual Volume (m³): 56370 Max Daily Volume (m³): 318 Original Application No: - Original Start Date: 13/12/1965 Expiry Date: -</p>

ID	Distance (m)	Direction	NGR	Details
				Point: DORSET HOUSE, LONDON- 2 BOREHOLES Data Type: Point Name: Dorset House Residential Limited Issue No: 103 Version Start Date: Version End Date:
Not shown	1654	W	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: 05/09/1966 Expiry Date: - Issue No: 100 Version Start Date: Version End Date:
Not shown	1654	W	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: 05/09/1966 Expiry Date: - Issue No: 101 Version Start Date: Version End Date:
Not shown	1833	NW	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: - Original Start Date: 26/09/2002 Expiry Date: 31/03/2007 Issue No: 1 Version Start Date: Version End Date:
Not shown	1833	NW	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: - Original Start Date: 01/04/2007 Expiry Date: 31/03/2013 Issue No: 1 Version Start Date: Version End Date:
Not shown	1840	NW	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: - Original Start Date: 01/04/2013 Expiry Date: 31/03/2025 Issue No: 1 Version Start Date: Version End Date:

6.6 Source Protection Zones

Source Protection Zones within 500m of the study site

None identified

Database searched and no data found.

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 Identified

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

6.9 River Quality

Environment Agency/Natural Resources Wales information on river quality within 1500m of the study site None identified

6.9.1 Biological Quality:

Database searched and no data found.

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

Database searched and no data found.

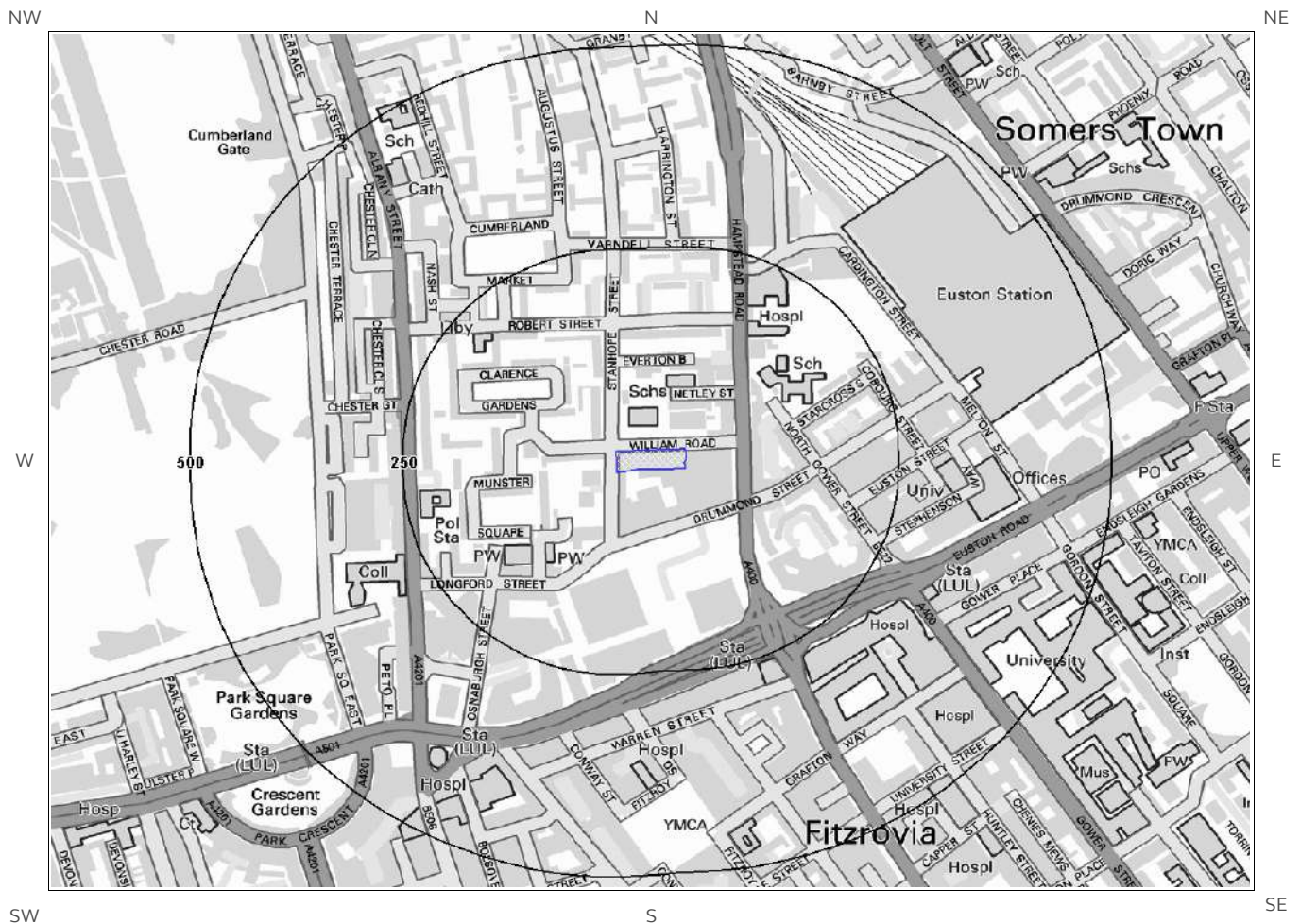
6.11 Surface Water Features

Surface water features within 250m of the study site

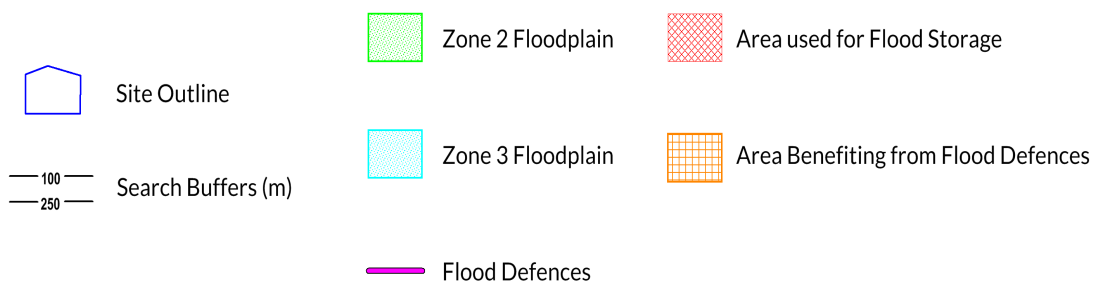
None identified

Database searched and no data found.

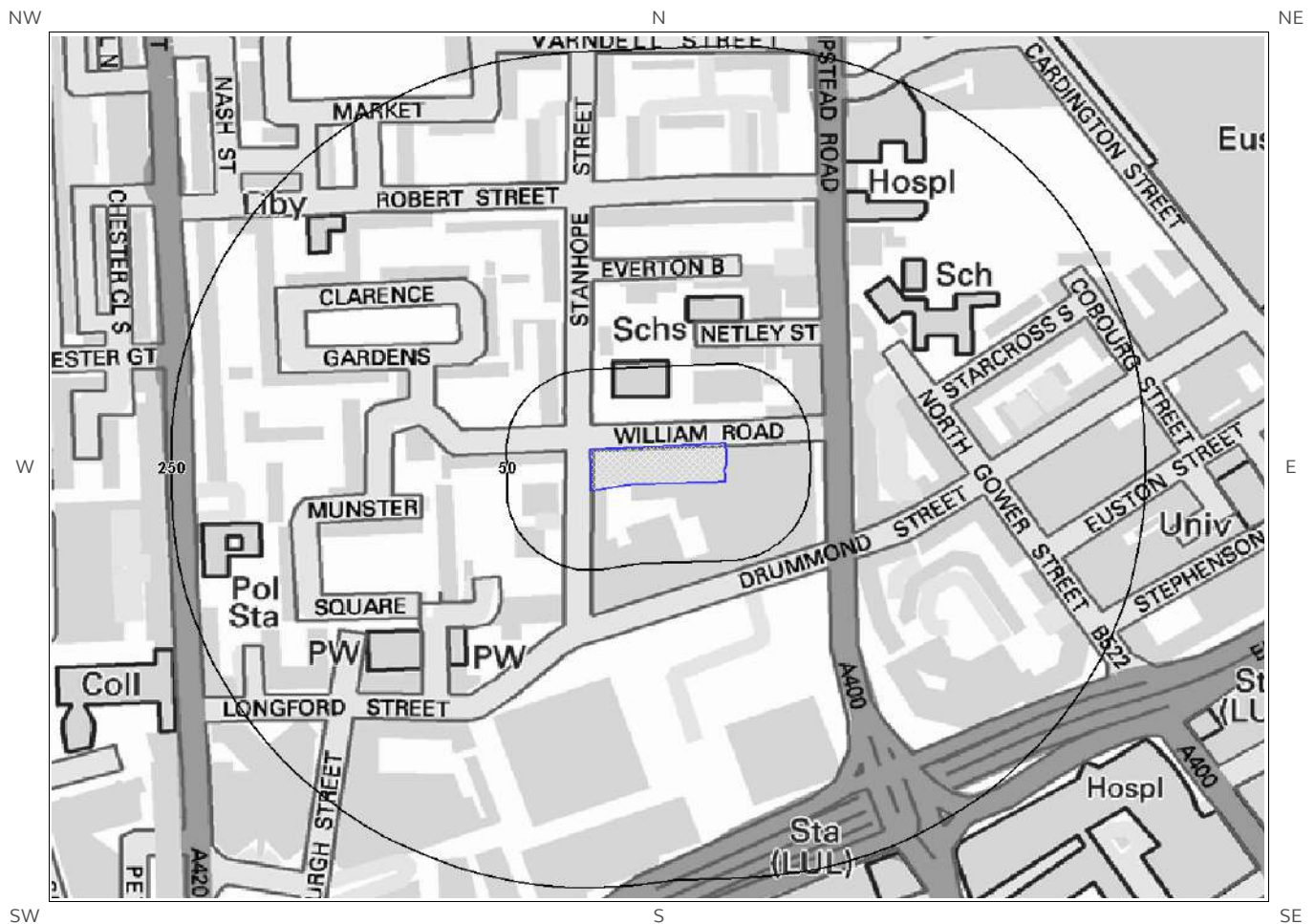
7a. Environment Agency/Natural Resources Wales Flood Map for Planning (from rivers and the sea)



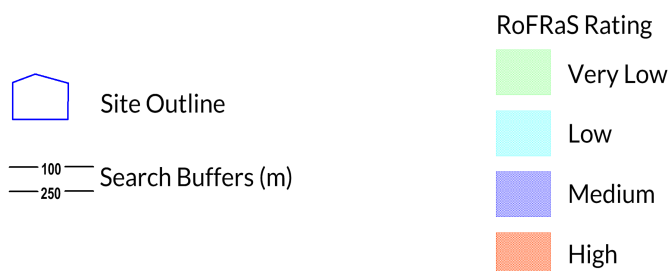
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7b. Environment Agency/Natural Resources Wales Risk of Flooding from Rivers and the Sea (RoFRaS) Map



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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

Identified

Clearwater Flooding or Superficial Deposits Flooding

Superficial Deposits Flooding

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

7.7.2 Highest susceptibility to groundwater flooding in the search area based on the underlying geological conditions

Potential at Surface

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

7.8 Groundwater Flooding Confidence Areas

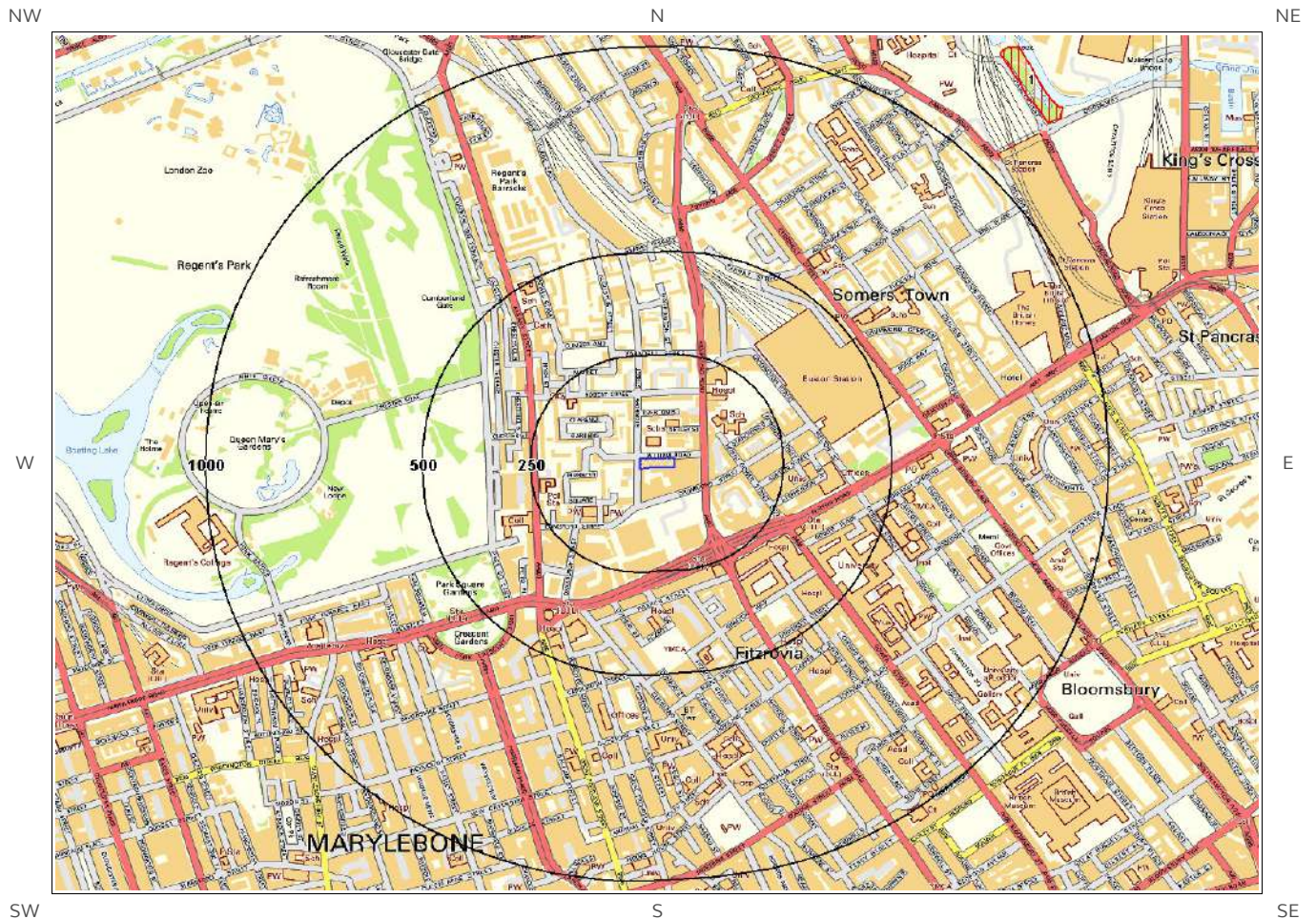
British Geological Survey confidence rating in this result

Moderate

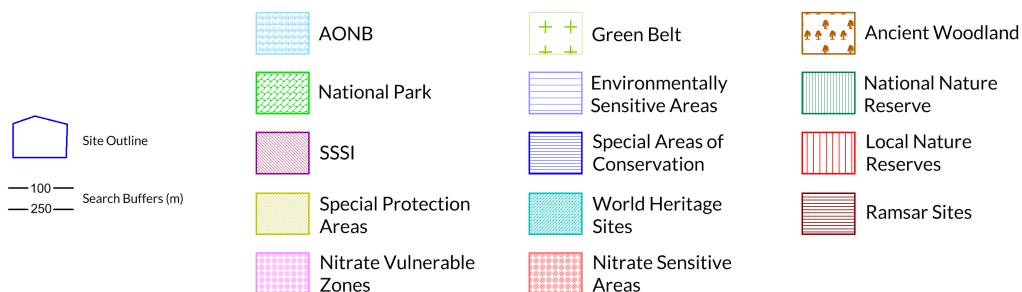
Notes: Groundwater flooding is defined as the emergence of groundwater at the ground surface or the rising of groundwater into man-made ground under conditions where the normal range of groundwater levels is exceeded.

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

8. Designated Environmentally Sensitive Sites Map



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8. Designated Environmentally Sensitive Sites

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

2

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

ID	Distance (m)	Direction	LNR Name	Data Source
1	1184	NE	Camley Street Nature Park	Natural England
Not shown	1932	W	St John's Wood Church Grounds	Natural England

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

0

Database searched and no data found.

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

0

Database searched and no data found.

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

0

Database searched and no data found.

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

0

Database searched and no data found.

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

Low

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

Hazard
Slight possibility for collapsible deposit problems after major changes in loading or groundwater conditions. Normal maintenance to avoid large amounts of water entering the ground through pipe leakage or soak-aways should reduce the likelihood of problems due to collapsible deposits. For new build, assess the possibility of collapsible (loessic) deposits in ground investigation. For existing property, no significant increase in insurance risk from collapsible deposits is likely.

9.1.6 Running Sand

Maximum Running Sand** hazard rating identified on the study site

Very Low

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

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

* 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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enquiries@bgs.ac.uk



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DX 716176 Mansfield 5
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Ordnance Survey
Adanac Drive, Southampton
SO16 0AS
Tel: 08456 050505



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

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Virginia Villas, High Street, Hartley Witney,
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Acknowledgements: Site of Special Scientific Interest, National Nature Reserve, Ramsar Site, Special Protection Area, Special Area of Conservation data is provided by, and used with the permission of, Natural England/Natural Resources Wales who retain the Copyright and Intellectual Property Rights for the data.

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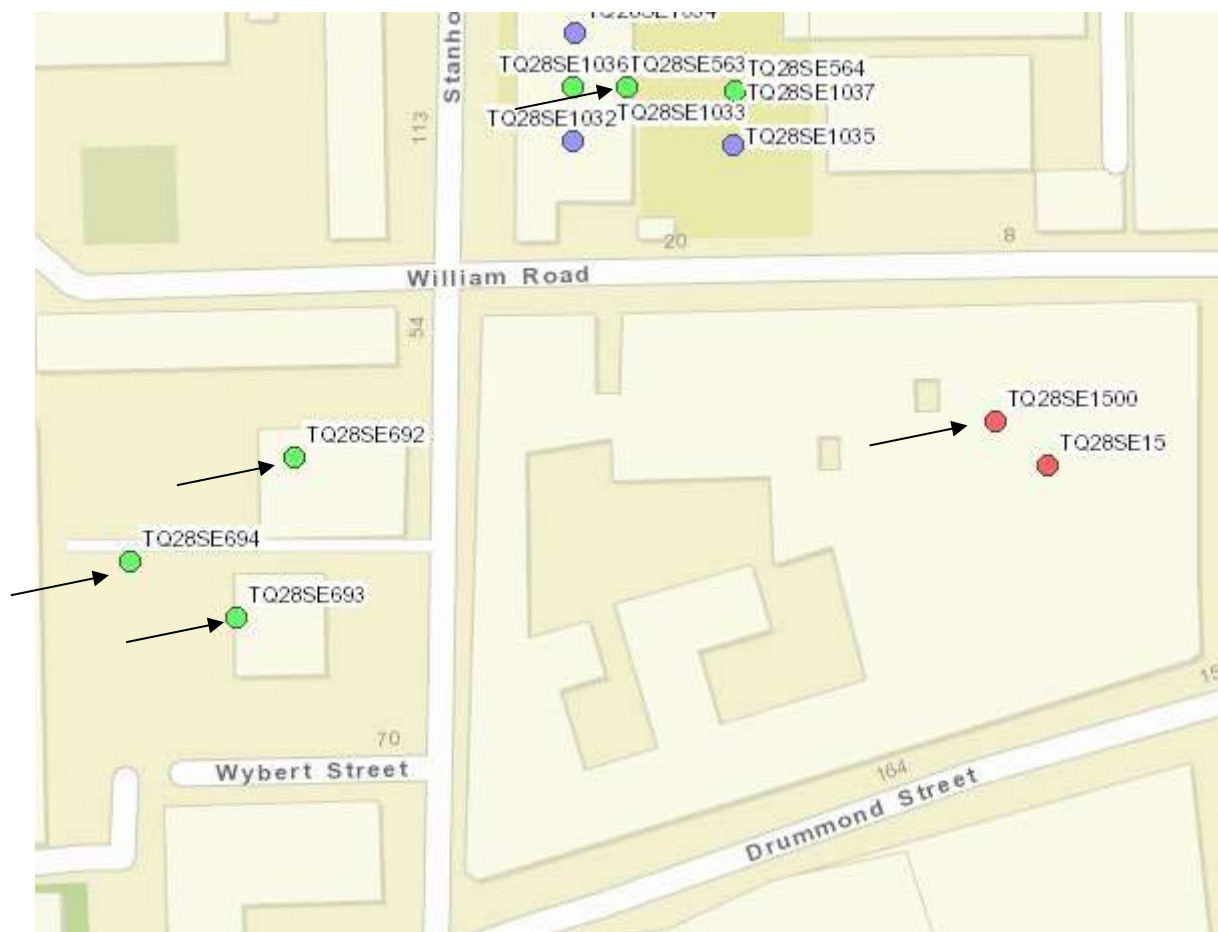
Standard Terms and Conditions


Groundsure's Terms and Conditions can be viewed online at this link:

<https://www.groundsure.com/terms-and-conditions-feb11-2019>

APPENDIX F

BGS Borehole Location Plan and Borehole Records



Client	Project	Job No
Euston One Limited	Euston One, 17-37 William Road, London	CG/38100
	Title	Appendix F
	BGS Borehole Location Plan and Borehole Records	

ATION ENGINEERING

Ltd.

BOREHOLE LOG

TQ 28SE / 692
N.G.R. 2904.8252
British Geological Survey

LOCATION : STANHOPE ST.

BOREHOLE No. : 1 Sheet 1 of 2

BOREHOLE DIA. : 8"

GROUND LEVEL : 86.8' O.D.

DATE (Start) : 23 . 9 . 65

WATER LEVEL :

British Geological Survey

British Geological Survey

Slight seepage of water at 15' - 0"

Description	Thickness	Depth	Sample	Remarks
		0' - 0"		
MADE GROUND - brick, clay & rubble	10' - 0"		1	
Very compact yellow gravelly coarse SAND	5' - 0"	10' - 0"	2	90 blows / ft
Compact yellow, slightly gravelly SAND	1' - 0"	15' - 0"	3	38 blows / ft
		16' - 0"	4	48 blows to drive 1' - 0"
			5	57 blows to drive 1' - 0"
			6	70 blows to drive 1' - 0"
Stiff becoming very stiff blue-grey laminated silty CLAY	45' - 0"		7	52 blows to drive 1' - 0"
			8	52 blows to drive 1' - 0"
			9	58 blows to drive 1' - 0"
			10	50 blows to drive 1' - 0"

TQ28SE692

BOREHOLE LOG

TQ 28SE / 692

LOCATION : STANHOPE ST. BOREHOLE No. : 1 Sheet 2 of 2

BOREHOLE DIA. : GROUND LEVEL :

DATE (Start) : WATER LEVEL :

Description	Thickness	Depth	Sample	Remarks
		5' 0"-0'		
			11	72 blows to drive 1'-0"
Stiff, becoming very stiff blue grey laminated + silty CLAY	45'-0"			
			12	72 blows to drive 1'-0"
		61'-0"	13	54 blows to drive 1'-0"
				BOREHOLE COMPLETE

BOREHOLE LOG

TQ 28SE / 693
N.G.R. 2903. 8249

British Geological Survey

LOCATION : STANHOPE ST.

BOREHOLE No. : 2

BOREHOLE DIA. : 8"

GROUND LEVEL : 87.2' O.D.

DATE (Start) : 25. 9. 65

WATER LEVEL :

Slight seepage of water
at 17'-6"

Description	Thickness	Depth	Sample	Remarks
		0'-0"		
MADE GROUND - brick clay & gravel	8'-0"		1	
		8'-0"	2	87 blows / ft
Very compact yellow gravelly coarse SAND	10'-0"		3	84 blows / ft
		18'-0"	4	44 blows to drive 1'-0"
			5	57 blows to drive 1'-0"
			6	55 blows to drive 1'-0"
Stiff blue-grey laminated silty CLAY	32'-0"		7	72 blows to drive 1'-0"
			8	98 blows to drive 1'-0"
			9	74 blows to drive 1'-0"
BOREHOLE COMPLETE		50'-0"	10	56 blows to drive 1'-0"

TQ28SE693

BOREHOLE LOG

TQ 28SE / 694
2901. 8250
British Geological Survey

LOCATION : STANHOPE ST. BOREHOLE No. : 3
BOREHOLE DIA. : 8" GROUND LEVEL : 90.8' O.D.
DATE (Start) : 26.9.65 WATER LEVEL :
British Geological Survey British Geological Survey

Slight seepage of water at 21'-0"

Description	Thickness	Depth	Sample	Remarks
		0'-0"		
Stiff sandy CLAY	7'-0"		1	
		7'-0"	2	36 blows / ft
Compact yellow gravelly coarse SAND	13'-0"		3	39 blows / ft
			4	42 blows / ft
Stiff brown silty CLAY	2'-0"	20'-0"	5	51 blows to drive 1'-0"
		22'-0"	6	58 blows to drive 1'-0"
			7	54 blows to drive 1'-0"
Firm becoming stiff blue-gray laminated silty CLAY (claystone at 42'-0")	29'-6"		8	56 blows to drive 1'-0"
			9	52 blows to drive 1'-0"
BOREHOLE COMPLETE			10	61 blows to drive 1'-0"
		51'-6"	11	64 blows to drive

TQ28SE694

TQ 28SE / 563

Cementation Ground Engineering		soil mechanics department N.G.R. 2910. 8259		BOREHOLE No. A	
CONTRACT Netley Primary School.				REPORT No. 8349/IRW	
Client The Greater London Council.				Ground Level 25.64 m. O.D.	
Site Address Netley Primary School, Netley St., Camden.				Boring Commenced 1.12.70 Boring Completed 2.12.70	
Type and Dia. of Boring Shell and Auger 0.2 m. diameter.					
Water Strikes		Water Levels Recorded During Boring			
1. 2.15	Hole Depth	3.05	12.20		
2.	Casing Depth	3.05	3.95		
	Water Level	2.15	1.50		
Remarks					
Description		Scale 20mm = 1 m.		Samples	
		Depth	Legend	Ref. No.	Type
Concrete.		0.30			
Made ground (brick and concrete fragments, gravel, sand, silt, clay, etc.).				6001	D
		1.80		6002	J
Soft brown and blue mottled clay.		2.15			
Yellow sand and gravel with bands of clay.				6004	D
		3.35		6005	J
Firm brown fissured clay.		3.65			
Firm to stiff blue fissured clay.				6006	U
				6007	J
				6008	U
				6009	J
				6010	U
				6011	J
				6012	U

TQ28SE563

TQ 28SE / 563

Cementation Ground Engineering		soil mechanics department N.L.R. 2910, 8259		BOREHOLE No. A Continuation Sheet No. 1	
CONTRACT Netley Primary School.				REPORT No. 8349/IRW	
Description	Scale 20mm = 1 m		Samples		S.P.T. N blows/ft
	Depth	Legend	Ref.No.	Type	
Firm to stiff blue fissured clay. (contd.)			6013	J	9.75
			6014	U	10.20-10.65
			6015	J	11.30
			6016	U	11.75-12.20
			6003	W	(2.15)

TQ28SE563

B.

HAMPSTEAD ROAD. Eagle Brewery, No. 47.

Communicated by MESSRS. GREEN & Co. (Memoirs, vol. iv.)

Shaft 138 feet, the rest bored.

Water generally about 147 feet down. 3,000,000 gallons a year used.

To Chalk	-	146 or 138	} 232 feet.
In „	-	86 or 94	

In DR. J. MITCHELL's MSS., vol. 3, opp. p. 13, is the following account of this well.

British Geological Survey

British

	THICKNESS.	DEPTH.
Earth [made ground etc.] - - -	7	7
Gravel - - -	15	22
Blue [London] clay - - -	100	122
[Reading Beds] { Coloured [mottled] clay -	12	134
Pebbles and sand -	20	154
[Thanet] sand - - -	30	184
To flints that come above the Chalk, 180 [184].		

TQ28SE1500

APPENDIX G

Risk Assessment Methodology

CGL Risk Assessment Methodology

The following risk Assessment methodology is based on CIRIA C552 (2001) Contaminated Land Risk Assessment – A Guide to Good Practice¹, in order to quantify potential risk via risk estimation and risk evaluation, which can be adopted at the Phase I stage. This will then determine an overall risk category which can be used to identify likely actions. This methodology uses qualitative descriptors and therefore is a qualitative approach and is undertaken for each potential pollution linkage (source-pathway-receptor) identified for the site in accordance with Contaminated Land Reports 6² and 11³.

The methodology requires the classification of:

- The magnitude of the consequence (severity) of a risk occurring, and
- The magnitude of the probability (likelihood) of a risk occurring.

The potential consequences of contamination risks occurring at this site are classified in accordance with Table 1 below, which is adapted from the CIRIA guidance¹.

Table 1. Classifications of Consequence ratings

Classification	Definition of Consequence	Examples
Severe	Short-term (acute) risks to human health. Short-term (acute) risk of pollution of sensitive water resource or ecosystem. Catastrophic damage to crops/buildings/property/infrastructure, including off-site soils.	High concentration of cyanide on the surface of an informal recreation area Major spillage of contaminants from site into controlled waters Explosion causing building collapse
Medium	Long-term (chronic) risks to human health Long-term (chronic) pollution of sensitive water resource Significant change in an ecosystem/contamination of off-site soils	Concentrations of a contaminant from site exceeding the generic or site specific assessment criteria Leaching of contaminants from a site into a major or minor aquifer Death of a species within a designated nature reserve
Mild	Pollution of non-sensitive water resource Significant damage to crops/ buildings/property/infrastructure Damage to an ecosystem or sensitive buildings/structures/services	Pollution of a non-classified groundwater Damage to a building rendering it unsafe to occupy (e.g. foundation damage resulting in instability)
Minor	Easily preventable non-permanent health effects Harm, although not necessarily significant harm, which may result in financial loss or expenditure to resolve Easily repairable effects of damage to buildings/structures/services	Presence of contamination at concentrations which require the use of personal protective equipment during site work Loss of plants in a landscaping scheme/dischouration of concrete

¹ CIRIA, (2001). *Contaminated Land Risk Assessment. A Guide to Good Practice*. CIRIA C552.

² M.J. Carter Associates, (1995). *Prioritisation and Categorisation Procedure for Sites Which May Be Contaminated*. Contaminated Land Report 6. Department of the Environment. C

³ Environment Agency, (2004). *Model Procedures for the Management of Land Contamination*. Contaminated Land Report 11.

The potential probability of the risks being realised are classified in accordance with the ratings set out in Table 2 which are adapted from the CIRIA guidance¹. It should be noted that where a pollutant linkage has not been identified the likelihood is considered to be zero.

Table 2. Classifications of probability ratings

Classification	Definition
High likelihood	There is a pollution linkage and an event that either appears very likely in the short term and almost inevitable in the long term, or there is evidence at the receptor that an event has occurred
Likely	There is a pollution linkage and all the elements are present and in the right place which means that it is probable that an event will occur. Circumstances are such that an event is not inevitable, but possible in the short term and likely over the long term
Low likelihood	There is a pollution linkage and circumstances are possible under which an event could occur. However, it is by no means certain that even over a longer period such an event would take place and is less likely in the short term.
Unlikely	There is a pollutant linkage but circumstances are such that it is improbable that an event would occur even in the very long term

In accordance with C552 the risk classification for each pollution linkage are classified in accordance with the matrix for consequence and probability set out in Table 3. The definitions for the risk classifications are presented in Table 4.

Table 3. Risk classification matrix

		Consequence			
		Severe	Medium	Mild	Minor
Probability	High likelihood	Very High	High	Moderate	Moderate / Low
	Likely	High	Moderate	Moderate / Low	Low
	Low likelihood	Moderate	Moderate / Low	Low	Very Low
	Unlikely	Moderate / Low	Low	Very Low	Very Low

Table 4. Risk classification definitions

Classification	Definition
Very High	There is a high probability that severe harm could arise to a designated receptor from the identified hazard or there is evidence that severe harm is currently happening. This risk, if realised, is likely to result in substantial liability. Urgent investigation (if not already undertaken) and remediation are likely to be required.
High	Harm is likely to arise to a designated receptor from the identified hazard. Realisation of the risk is likely to result in substantial liability. Urgent investigation (if not already undertaken) and remediation are likely to be required.
Moderate	It is possible that harm could arise to a designated receptor from the identified hazard. However, it is either relatively unlikely that such harm would be severe or if any harm were to occur it is more likely that the harm would be relatively mild. Urgent investigation (if not already undertaken) is normally required to clarify the potential risk and to determine the potential liability. Some remedial works may be required in the longer term.
Low	It is possible that harm could arise to a designated receptor from the identified hazard, but it is considered likely that this harm, if realised, would at worst normally be mild.
Very Low	There is a low possibility that harm could arise to a designated receptor from the identified hazard. In the event of such harm being realised it is not likely to be severe.