TIER ENVIRONMENTAL

SUIT 513, CHADWICK HOUSE, WARRINGTON ROAD,
WARRINGTON, WA3 6AE

Groundsure Reference:	GS-4389324
Your Reference:	TE1044_Harefield_Road_Uxbridge
Report Date	23 Oct 2017
Report Delivery Method:	Email - pdf

Enviro Insight

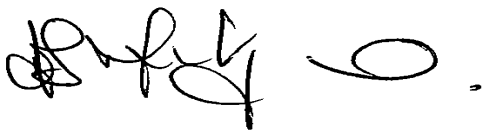
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Thank you for placing your order with Groundsure. Please find enclosed the **Groundsure Enviro Insight** as requested.

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

Yours faithfully,



Managing Director
Groundsure Limited

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Address:	**WICKES BUILDING SUPPLIES, 12, HAREFIELD ROAD, UXBRIDGE, UB8 1JS**
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NW N NE



W E

SW S SE

Aerial Photograph Capture date: 07-Jun-2015
Grid Reference: 505448,184481
Site Size: 0.92ha

Report Reference: GS-4389324
Client Reference: TE1044_Harefield_Road_Uxbridge

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Overview of Findings

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

Section 1: Historical Industrial Sites	On-site	0-50	51-250	251-500
1.1 Potentially Contaminative Uses identified from 1:10,000 scale mapping	14	0	70	136
1.2 Additional Information – Historical Tank Database	2	3	5	30
1.3 Additional Information – Historical Energy Features Database	2	0	27	60
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	4	7	3	9
1.6 Potentially Infilled Land	0	0	29	31

Section 2: Environmental Permits, Incidents and Registers	On-site	0-50m	51-250	251-500
2.1 Industrial Sites Holding Environmental Permits and/or Authorisations				
2.1.1 Records of historic IPC Authorisations	0	0	0	0
2.1.2 Records of Part A(1) and IPPC Authorised Activities	0	0	0	0
2.1.3 Records of Red List Discharge Consents	0	0	0	0
2.1.4 Records of List 1 Dangerous Substances Inventory sites	0	0	0	0
2.1.5 Records of List 2 Dangerous Substances Inventory sites	0	0	0	0
2.1.6 Records of Part A(2) and Part B Activities and Enforcements	0	0	1	1
2.1.7 Records of Category 3 or 4 Radioactive Substances Authorisations	0	0	0	0
2.1.8 Records of Licensed Discharge Consents	0	0	2	7
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	2	7
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	1
3.1.3 BGS/DoE Landfill Site Survey	0	0	0	0	0	0
3.1.4 Records of Landfills in Local Authority and Historical Mapping Records	0	0	0	0	0	0
3.2 Landfill and Other Waste Sites Findings						
3.2.1 Operational and Non-Operational Waste Treatment, Transfer and Disposal Sites	0	0	0	0	Not searched	Not searched
3.2.2 Environment Agency/Natural Resources Wales Licensed Waste Sites	0	0	0	0	0	3

Section 4: Current Land Use	On-site	0-50m	51-250	251-500
4.1 Current Industrial Sites Data	1	8	20	Not searched
4.2 Records of Petrol and Fuel Sites	0	0	0	0
4.3 National Grid Underground Electricity Cables	0	0	0	0
4.4 National Grid Gas Transmission Pipelines	0	0	0	0

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

Section 6: Hydrogeology and Hydrology	0-500m
6.1 Are there any records of Strata Classification in the Superficial Geology within 500m of the study site?	Yes
6.2 Are there any records of Strata Classification in the Bedrock Geology within 500m of the study site?	Yes

	On-site	0-50m	51-250	251-500	501-1000	1000-2000
6.3 Groundwater Abstraction Licences (within 2000m of the study site)	0	0	0	0	13	17
6.4 Surface Water Abstraction Licences (within 2000m of the study site)	0	0	0	0	0	2
6.5 Potable Water Abstraction Licences (within 2000m of the study site)	0	0	0	0	0	1
6.6 Source Protection Zones (within 500m of the study site)	0	0	0	0	Not searched	Not searched
6.7 Source Protection Zones within Confined Aquifer	0	0	0	0	Not searched	Not searched
6.8 Groundwater Vulnerability and Soil Leaching Potential (within 500m of the study site)	1	0	1	1	Not searched	Not searched

Section 6: Hydrogeology and Hydrology

	0-500m					
	On-site	0-50m	51-250	251-500	501-1000	1000-1500
6.9 Is there any Environment Agency/Natural Resources Wales information on river quality within 1500m of the study site?	No	No	No	Yes	Yes	Yes
6.10 Detailed River Network entries within 500m of the site	0	0	4	25	Not searched	Not searched
6.11 Surface water features within 250m of the study site	No	No	Yes	Not searched	Not searched	Not searched

Section 7: Flooding

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

Section 8: Designated Environmentally Sensitive Sites

	On-site	0-50m	51-250	251-500	501-1000	1000-2000
8.1 Records of Sites of Special Scientific Interest (SSSI)	0	0	0	0	0	4
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	4
8.7 Records of Local Nature Reserves (LNR)	0	0	0	0	0	5
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	1	0	0	0	0	0
8.14 Records of Green Belt land	0	0	0	2	3	9

Section 9: Natural Hazards

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

Section 10: Mining

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

Using this report

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

1. Historical Industrial Sites

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

2. Environmental Permits, Incidents and Registers

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

3. Landfills and Other Waste Sites

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

4. Current Land Uses

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

5. Geology

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

6. Hydrogeology and Hydrology

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

7. Flooding

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

8. Designated Environmentally Sensitive Sites

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

9. Natural Hazards

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

10. Mining

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

11. Contacts

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

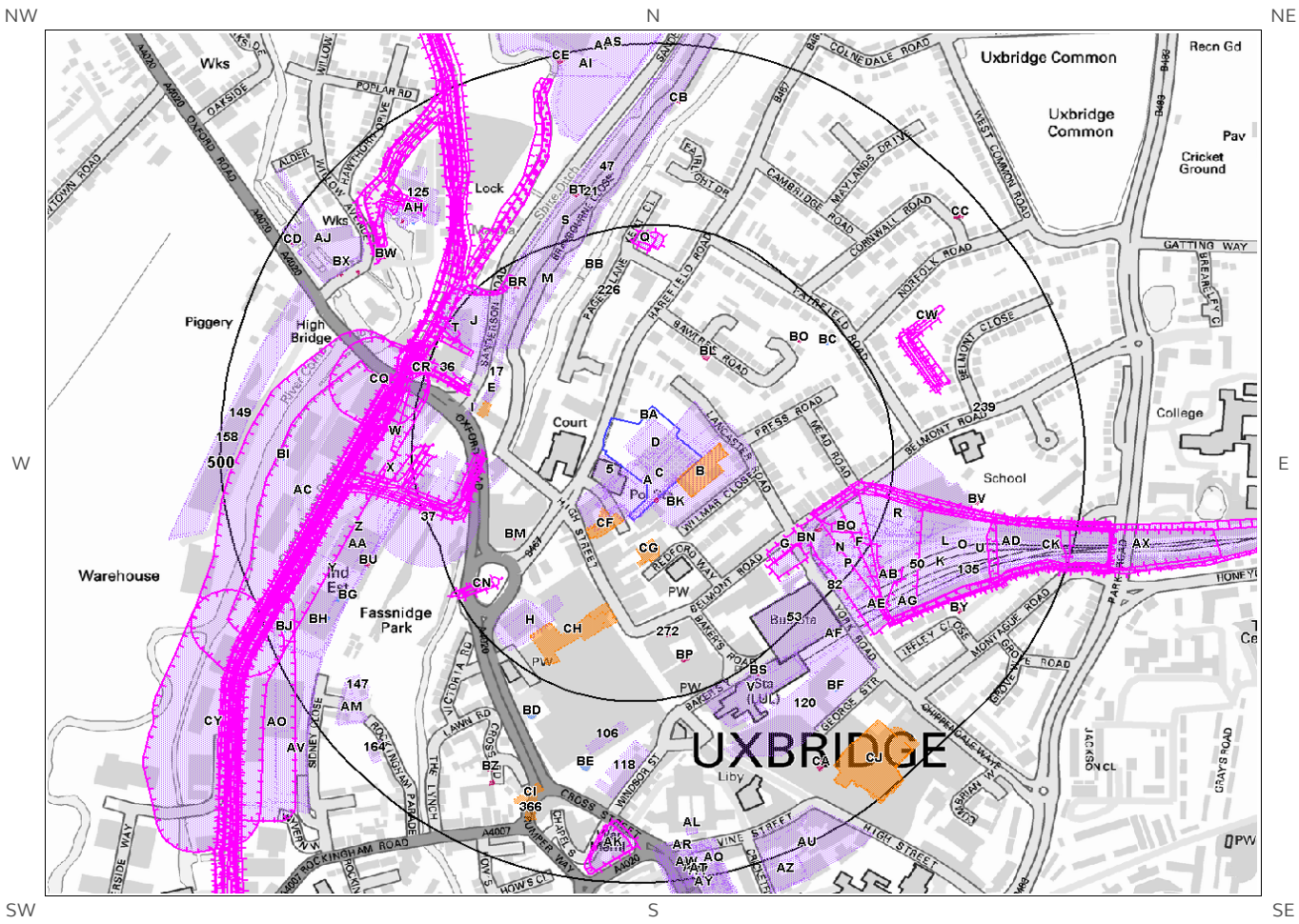
Note: Maps

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

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

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

1. Historical Land Use



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1. Historical Industrial Sites

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

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

Records of sites with a potentially contaminative past land use within 500m of the search boundary: 220

ID	Distance [m]	Direction	Use	Date
1A	0	On Site	Iron Works	1935
2A	0	On Site	Iron Works	1938
3A	0	On Site	Unspecified Works	1959
4B	0	On Site	Iron Works	1897
5	0	On Site	Police Station	1989
6A	0	On Site	Iron Works	1868
7A	0	On Site	Iron Works	1938
8A	0	On Site	Iron Works	1895
9C	0	On Site	Iron Works	1913
10D	0	On Site	Unspecified Depot	1989
11B	0	On Site	Iron Works	1932
12C	0	On Site	Iron Works	1897
13A	0	On Site	Iron Works	1913
14D	0	On Site	Unspecified Works	1970
15	127	W	Unspecified Works	1970
16H	144	SW	Telephone Exchange	1970
17	153	W	Terminus	1935
18M	154	NW	Railway Sidings	1938
19E	154	W	Terminus	1938
20G	154	SE	Burial Ground	1882
21	155	NW	Railway Sidings	1938
22E	157	W	Terminus	1938
23U	160	SE	Cuttings	1932
24AD	161	SE	Cuttings	1935
25L	164	SE	Cuttings	1938
26F	164	SE	Unspecified Commercial/Industrial	1959
27F	164	SE	Unspecified Commercial/Industrial	1938
28G	168	SE	Burial Ground	1868
29F	168	SE	Unspecified Commercial/Industrial	1938
30I	172	W	Terminus	1913
31BN	173	SE	Railway Building	1932
32S	174	NW	Railway Sidings	1959

33H	175	SW	Telephone Exchange	1989
34H	175	SW	Telephone Exchange	1975
35I	175	W	Terminus	1913
36	177	W	Basin	1882
37	179	SW	Brewery	1897
38J	180	W	Sawmills	1897
39K	181	SE	Railway Sidings	1913
40J	181	NW	Sawmills	1897
41F	185	SE	Goods Shed	1935
42F	187	SE	Unspecified Depot	1975
43F	187	SE	Unspecified Depot	1970
44K	188	SE	Railway Sidings	1932
45J	188	NW	Sawmills	1912
46J	189	NW	Sawmills	1932
47	190	NW	Railway Sidings	1932
48R	190	E	Unspecified Commercial/Industrial	1989
49L	191	E	Cuttings	1913
50	192	SE	Railway Sidings	1913
51J	194	NW	Unspecified Mills	1959
52N	194	SE	Railway Building	1932
53	195	SE	Bus Station	1989
54J	196	NW	Sawmills	1938
55J	197	NW	Sawmills	1935
56F	198	SE	Railway Building	1913
57M	199	NW	Railway Building	1938
58N	200	SE	Railway Building	1913
59O	210	E	Cuttings	1959
60O	210	E	Cuttings	1970
61P	214	SE	Railway Building	1932
62W	214	W	Sawmill	1895
63Q	214	N	Gravel Pit	1865
64T	215	NW	Basin	1882
65P	216	SE	Railway Building	1913
66Q	216	N	Gravel Pit	1882
67K	222	SE	Railway Sidings	1938
68R	228	E	Terminus	1938
69S	228	N	Railway Sidings	1935
70R	228	E	Terminus	1932
71T	231	NW	Sawmills	1938
72R	232	E	Terminus	1935
73R	232	E	Terminus	1913
74R	232	E	Terminus	1938
75L	233	SE	Railway Sidings	1938
76U	234	SE	Railway Sidings	1935
77R	234	E	Terminus	1913

78T	237	NW	Sawmills	1912
79T	237	NW	Sawmills	1895
80AC	238	W	Unspecified Wharf	1913
81CQ	241	W	Unspecified Wharf	1932
82	246	SE	Railway Building	1932
83CR	250	W	Unspecified Wharf	1970
84V	250	SE	Railway Building	1938
85V	253	SE	Terminus	1938
86X	262	W	Sawmill	1897
87W	262	W	Unspecified Wharves	1897
88X	262	W	Unspecified Mill	1897
89V	265	SE	Railway Station	1970
90V	265	SE	Railway Station	1989
91V	265	SE	Railway Station	1975
92V	266	SE	Railway Station	1959
93Y	266	W	Timber Yard	1938
94Y	267	W	Timber Yard	1935
95Z	269	W	Timber Yard	1913
96AA	269	W	Unspecified Works	1970
97Z	269	W	Timber Yard	1913
98Y	270	W	Timber Yard	1938
99BH	270	W	Unspecified Commercial/Industrial	1959
100K	273	SE	Railway Sidings	1959
101Z	273	W	Timber Yard	1932
102AF	274	SE	Railway Sidings	1938
103K	277	SE	Railway Sidings	1970
104K	277	SE	Railway Sidings	1975
105K	277	SE	Railway Sidings	1989
106	277	S	Police Station	1975
107AB	280	SE	Goods Shed	1932
108AA	281	W	Unspecified Works	1989
109AA	281	W	Unspecified Works	1975
110AB	284	SE	Goods Shed	1913
111AB	287	SE	Goods Shed	1913
112AC	290	W	Unspecified Wharf	1913
113AD	296	E	Cuttings	1913
114AE	300	SE	Railway Building	1932
115AE	302	SE	Railway Building	1935
116AF	302	SE	Railway Building	1932
117AE	302	SE	Railway Building	1913
118	304	S	Police Station	1970
119AE	306	SE	Railway Building	1913
120	307	SE	Iron Works	1897
121AG	327	SE	Railway Buildings	1932
122AG	333	SE	Railway Buildings	1913

123AH	350	NW	Unspecified Mill	1975
124AH	350	NW	Unspecified Mill	1970
125	351	NW	Unspecified Mill	1989
126AH	371	NW	Unidentified Mills	1897
127AH	372	NW	Unspecified Mills	1938
128AH	372	NW	Corn Mill	1882
129AH	374	NW	Unspecified Mills	1959
130AH	374	NW	Unspecified Mills	1938
131AH	374	NW	Corn Mills	1912
132AH	374	NW	Unspecified Mills	1895
133AH	374	NW	Unspecified Mills	1932
134AH	374	NW	Unspecified Mills	1897
135	374	SE	Railway Building	1938
136AI	375	N	Fabric Works	1938
137AH	376	NW	Unidentified Mills	1935
138AH	376	NW	Corn Mills	1912
139AC	378	W	Unspecified Mills	1970
140AI	379	N	Fabric Works	1938
141AI	383	N	Fabric Works	1935
142AD	387	E	Cuttings	1989
143BX	390	NW	Corn Mill	1882
144AJ	392	NW	Unspecified Works	1989
145AJ	392	NW	Unspecified Works	1975
146CK	393	E	Cuttings	1938
147	413	SW	Mortuary	1959
148AK	415	S	Burial Ground	1882
149	416	W	Nursery	1932
150AL	418	S	Fire Station	1959
151AK	419	S	Burial Ground	1868
152AL	425	S	Fire Station	1970
153AM	434	SW	Mortuary	1938
154AM	434	SW	Mortuary	1913
155AM	437	SW	Mortuary	1932
156AM	440	SW	Mortuary	1938
157AM	440	SW	Mortuary	1913
158	440	W	Nursery	1959
159AN	446	S	Terminus	1897
160AO	446	SW	Steel Barrel Works	1935
161AN	447	S	Terminus	1895
162AN	447	S	Railway Sidings	1895
163AO	447	SW	Steel Barrel Works	1938
164	448	SW	Unspecified Works	1970
165AT	449	S	Railway Sidings	1868
166AO	449	SW	Steel Barrel Works	1938
167AS	451	N	Fabric Works	1932
168AQ	452	S	Railway Station	1882

169AN	454	S	Railway Sidings	1932
170AR	454	S	Railway Building	1932
171AO	455	W	Unspecified Wharf	1959
172AP	455	N	Unspecified Factory	1973
173AP	455	N	Unspecified Factory	1987
174AQ	455	S	Terminus	1959
175AU	455	SE	Unspecified Works	1975
176AR	455	S	Railway Building	1932
177	455	S	Railway Sidings	1935
178AQ	456	S	Railway Station	1868
179AI	456	N	Works	1969
180AS	456	N	Unspecified Works	1959
181AQ	458	S	Terminus	1935
182AQ	458	S	Terminus	1932
183AQ	460	S	Terminus	1938
184AQ	460	S	Terminus	1913
185AT	460	S	Railway Sidings	1882
186AN	461	S	Railway Sidings	1897
187AQ	461	S	Terminus	1913
188AQ	461	S	Terminus	1938
189AR	462	S	Railway Building	1868
190AU	463	SE	Printing Works	1913
191AN	464	S	Railway Sidings	1900
192AW	465	S	Railway Building	1882
193AQ	467	S	Unspecified Works	1970
194AQ	469	S	Terminus	1900
195AQ	472	S	Railway Building	1868
196AV	474	SW	Unspecified Works	1989
197AV	474	SW	Unspecified Works	1975
198AV	474	SW	Unspecified Works	1970
199AW	476	S	Railway Building	1938
200AW	476	S	Railway Building	1913
201AW	477	S	Railway Building	1938
202AW	477	S	Railway Building	1913
203AO	480	W	Unspecified Commercial/Industrial	1987
204AO	480	W	Unspecified Works	1959
205AO	480	W	Unspecified Commercial/Industrial	1974
206CY	480	W	Unspecified Wharf	1938
207AW	483	S	Railway Building	1932
208AW	483	S	Railway Building	1900
209AN	485	S	Railway Sidings	1913
210AN	485	S	Railway Sidings	1938
211AY	488	S	Railway Sidings	1938
212AN	488	S	Railway Sidings	1913

213AX	491	E	Cuttings	1970
214AX	491	E	Cuttings	1975
215AX	491	E	Cuttings	1989
216AW	492	S	Railway Building	1868
217AX	493	E	Railway Sidings	1913
218AZ	496	S	Printing Works	1932
219AY	497	S	Railway Sidings	1959
220AZ	499	S	Printing Works	1913

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: 40

ID	Distance (m)	Direction	Use	Date
221BA	0	On Site	Unspecified Tank	1896
222BA	0	On Site	Unspecified Tank	1914
223B	17	SE	Unspecified Tank	1988
224B	17	SE	Unspecified Tank	1993
225BK	21	SE	Unspecified Tank	1914
226	163	N	Unspecified Tank	1914
227BB	203	N	Unspecified Tank	1914
228BB	203	N	Unspecified Tank	1934
229BC	225	NE	Unspecified Tank	1934
230BC	225	NE	Unspecified Tank	1914
231BD	292	SW	Unspecified Tank	1975
232BD	293	SW	Unspecified Tank	1996
233BE	338	S	Unspecified Tank	1996
234BE	338	S	Unspecified Tank	1975
235BF	348	SE	Unspecified Tank	1986
236BF	348	SE	Unspecified Tank	1988
237AH	371	NW	Unspecified Tank	1974
238AH	372	NW	Unspecified Tank	1987
239	374	E	Tank or Trough	1866
240BG	382	W	Tanks	1975
241BG	389	W	Tanks	1975
242BG	389	W	Tanks	1996
243BG	392	W	Tanks	1980
244BG	392	W	Tanks	1988
245BG	392	W	Tanks	1988
246BH	415	W	Unspecified Tank	1980
247BH	415	W	Unspecified Tank	1988

248BH	415	W	Unspecified Tank	1988
249BH	415	W	Unspecified Tank	1996
250BH	416	W	Unspecified Tank	1975
251BI	416	W	Unspecified Tank	1988
252BI	416	W	Unspecified Tank	1988
253BI	416	W	Unspecified Tank	1980
254BI	417	W	Unspecified Tank	1975
255BI	417	W	Unspecified Tank	1996
256BJ	476	W	Unspecified Tank	1996
257BJ	476	W	Unspecified Tank	1988
258BJ	476	W	Unspecified Tank	1980
259BJ	476	W	Unspecified Tank	1988
260BJ	476	W	Unspecified Tank	1975

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: 89

ID	Distance (m)	Direction	Use	Date
261BK	0	On Site	Electricity Substation	1975
262BK	0	On Site	Electricity Substation	1980
263BL	94	NE	Electricity Substation	1987
264BL	94	NE	Electricity Substation	1981
265BL	94	NE	Electricity Substation	1972
266BL	94	NE	Electricity Substation	1992
267BL	96	NE	Electricity Substation	1972
268BM	149	W	Electricity Substation	1988
269BM	149	W	Electricity Substation	1988
270BM	149	W	Electricity Substation	1980
271BM	150	W	Electricity Substation	1975
272	162	S	Electricity Substation	1975
273BN	178	SE	Electricity Substation	1986
274BN	179	SE	Electricity Substation	1975
275BN	180	SE	Electricity Substation	1980
276BO	196	NE	Electricity Substation	1981
277BO	196	NE	Electricity Substation	1987
278BO	197	NE	Electricity Substation	1972
279BO	197	NE	Electricity Substation	1972
280BO	197	NE	Electricity Substation	1992
281BP	198	S	Electricity Substation	1993
282BP	198	S	Electricity Substation	1988

283BP	198	S	Electricity Substation	1980
284BP	198	S	Electricity Substation	1980
285BQ	209	SE	Electricity Substation	1993
286BQ	209	SE	Electricity Substation	1988
287BR	216	NW	Electricity Substation	1989
288BR	217	NW	Electricity Substation	1987
289BR	217	NW	Electricity Substation	1992
290BS	264	SE	Electricity Substation	1975
291BS	265	SE	Electricity Substation	1980
292BS	265	SE	Electricity Substation	1980
293BT	306	N	Electricity Substation	1989
294BT	306	N	Electricity Substation	1987
295BT	306	N	Electricity Substation	1992
296BU	341	SW	Electricity Substation	1988
297BU	341	SW	Electricity Substation	1988
298BU	341	SW	Electricity Substation	1980
299BU	342	SW	Electricity Substation	1975
300BU	342	SW	Electricity Substation	1996
301BV	360	E	Electricity Substation	1993
302BV	360	E	Electricity Substation	1988
303BW	366	NW	Electricity Substation	1974
304BW	366	NW	Electricity Substation	1989
305BW	367	NW	Electricity Substation	1992
306BW	370	NW	Electricity Substation	1987
307AH	382	NW	Electricity Substation	1989
308AH	382	NW	Electricity Substation	1974
309AH	383	NW	Electricity Substation	1992
310AH	384	NW	Electricity Substation	1987
311BX	384	NW	Electricity Substation	1989
312BX	384	NW	Electricity Substation	1974
313BX	385	NW	Electricity Substation	1987
314BX	385	NW	Electricity Substation	1992
315BZ	390	SW	Electricity Substation	1996
316BY	392	SE	Electricity Substation	1993
317BY	393	SE	Electricity Substation	1988
318BY	394	SE	Electricity Substation	1986
319BY	394	SE	Electricity Substation	1980
320BY	394	SE	Electricity Substation	1980
321BX	402	NW	Electricity Substation	1989
322BZ	403	SW	Electricity Substation	1988
323BZ	403	SW	Electricity Substation	1988
324BZ	403	SW	Electricity Substation	1980
325BX	403	NW	Electricity Substation	1992
326BZ	404	SW	Electricity Substation	1975
327AH	406	NW	Electricity Substation	1989
328AH	406	NW	Electricity Substation	1974

329AH	407	NW	Electricity Substation	1992
330AH	407	NW	Electricity Substation	1987
331BX	407	NW	Electricity Substation	1987
332CA	411	SE	Electricity Substation	1980
333CA	411	SE	Electricity Substation	1980
334CA	411	SE	Electricity Substation	1986
335CA	415	SE	Electricity Substation	1975
336CA	416	SE	Electricity Substation	1988
337CA	416	SE	Electricity Substation	1993
338CB	419	N	Electricity Substation	1992
339CB	419	N	Electricity Substation	1987
340CB	419	N	Electricity Substation	1981
341CC	462	NE	Electricity Substation	1987
342CC	462	NE	Electricity Substation	1981
343CC	463	NE	Electricity Substation	1992
344CC	463	NE	Electricity Substation	1972
345CC	469	NE	Electricity Substation	1972
346CD	479	NW	Electricity Substation	1987
347CD	479	NW	Electricity Substation	1974
348CE	488	N	Electricity Substation	1992
349CE	488	N	Electricity Substation	1992

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: 23

ID	Distance (m)	Direction	Use	Date
350B	0	On Site	Motor Repair Works	1975
351B	0	On Site	Motor Repair Works	1986
352B	0	On Site	Motor Repair Works	1980
353B	0	On Site	Motor Repair Works	1980
354CF	9	SW	Garage	1962

355CF	9	SW	Garage	1962
356CF	21	SW	Garage	1972
357CG	34	SE	Motor Repair Works	1988
358CG	34	SE	Motor Repair Works	1988
359CG	34	SE	Motor Repair Works	1980
360CG	34	SE	Motor Repair Works	1975
361CH	119	S	Garage	1962
362CH	128	S	Garage	1962
363I	155	W	Garage	1974
364CI	383	S	Garage	1962
365CI	383	S	Garage	1962
366	410	S	Garage	1963
367CJ	419	SE	Garage	1972
368CJ	419	SE	Garage	1975
369CJ	419	SE	Garage	1962
370CJ	420	SE	Garage	1980
371CJ	420	SE	Garage	1980
372CJ	420	SE	Garage	1986

1.6 Potentially Infilled Land

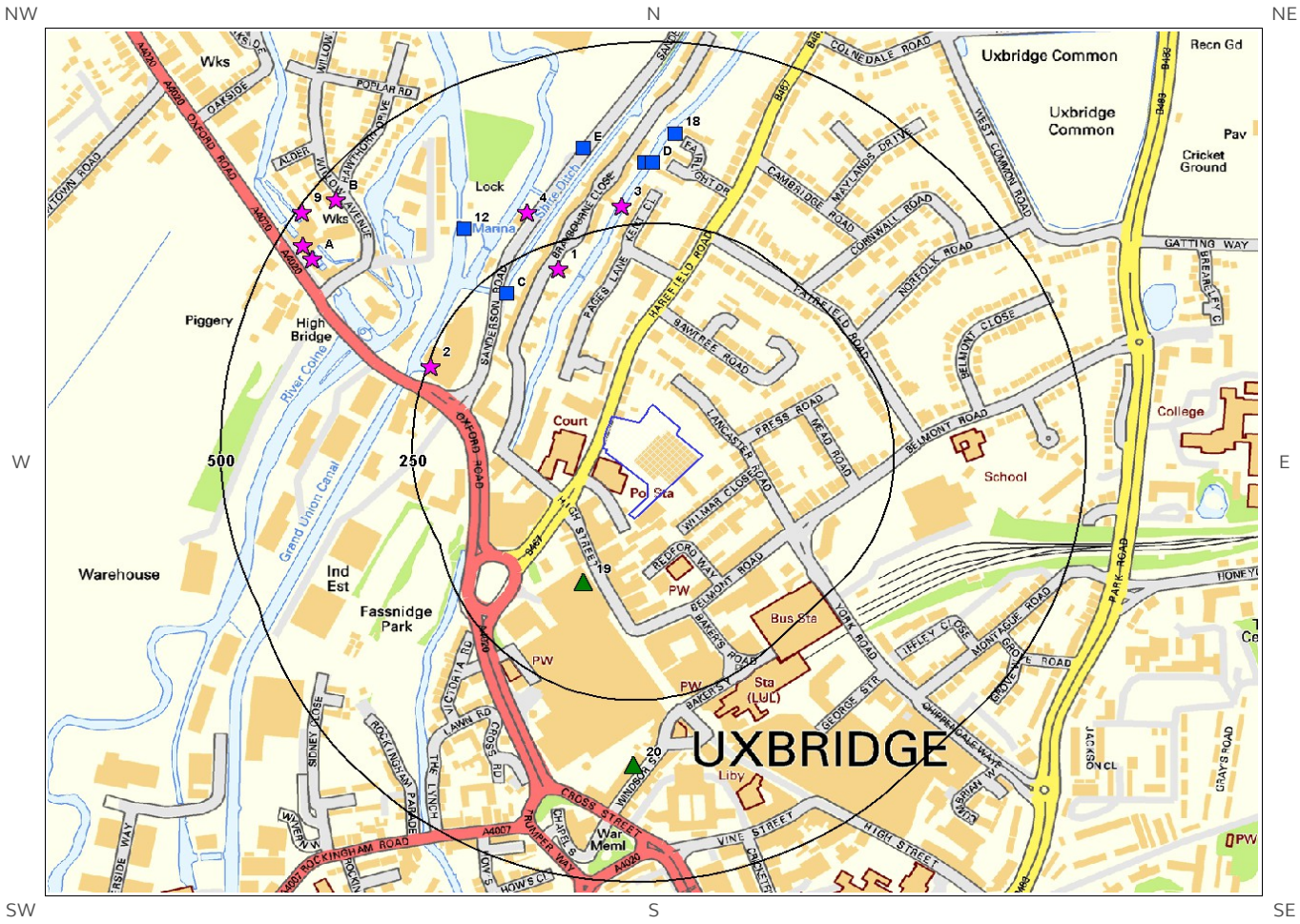
Records of Potentially Infilled Features from 1:10,000 scale mapping within 500m of the study site: 60

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

ID	Distance(m)	Direction	Use	Date
373	154	W	Canal	1868
374BN	154	SE	Burial Ground	1882
375	155	W	Canal	1959
376U	160	SE	Cuttings	1932
377CL	160	W	Canal	1913
378CK	161	SE	Cuttings	1935
379CL	163	W	Canal	1895
380L	164	SE	Cuttings	1938
381G	168	SE	Burial Ground	1868
382CM	189	W	Canal	1938
383CM	189	W	Canal	1913
384K	191	E	Cuttings	1913
385CN	191	SW	Fish Pond	1882
386CN	200	SW	Fish Pond	1868
387CN	208	SW	Pond	1897
388L	210	E	Cuttings	1970
389L	210	E	Cuttings	1959
390Q	214	N	Gravel Pit	1865
391Q	216	N	Gravel Pit	1882
392CO	223	NW	Canal	1970

393CO	223	NW	Canal	1975
394CO	223	NW	Canal	1989
395CP	224	NW	Canal	1938
396CP	224	NW	Canal	1895
397CP	224	NW	Canal	1912
398AC	238	W	Unspecified Wharf	1913
399CQ	241	W	Unspecified Wharf	1932
400CR	250	W	Unspecified Wharf	1970
401	250	NW	Canal	1882
402CS	261	NW	Canal	1897
403CS	261	NW	Canal	1935
404CS	261	NW	Canal	1912
405W	262	W	Unspecified Wharves	1897
406CT	263	NW	Canal	1932
407CT	263	NW	Canal	1897
408CS	263	NW	Canal	1938
409CU	271	W	Canal	1897
410CU	272	W	Canal	1935
411CU	275	W	Canal	1938
412AC	290	W	Unspecified Wharf	1913
413U	296	E	Cuttings	1913
414CV	303	NE	Water Body	1897
415CV	303	NE	Water Body	1932
416CV	306	NE	Pond	1895
417CV	307	NE	Pond	1897
418CV	317	NE	Pond	1868
419CW	319	NE	Pond	1895
420CW	319	NE	Pond	1912
421AD	387	E	Cuttings	1989
422CK	393	E	Cuttings	1938
423AK	415	S	Burial Ground	1882
424AK	419	S	Burial Ground	1868
425AO	455	W	Unspecified Wharf	1959
426CX	469	SW	Canal	1987
427CX	469	SW	Canal	1959
428CX	469	SW	Canal	1974
429CY	480	W	Unspecified Wharf	1938
430AX	491	E	Cuttings	1975
431AX	491	E	Cuttings	1989
432AX	491	E	Cuttings	1970

2. Environmental Permits, Incidents and Registers Map



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Site Outline

250
500
Search Buffers (m)

Recorded Pollution Incident

Dangerous Substances (List 1)

Dangerous Substances (List 2)

Water Industry Referrals

Licenced Discharge Consents

Red List Discharge Consents

RAS 3 & 4 Authorisations

Part A(1) Authorised Processes and Historic IPC Authorisations

Part A(2) and Part B Authorised Processes

COMAH / NIHHS Sites

Sites Determined as Contaminated Land

Hazardous Substance Consents and Enforcements

2. Environmental Permits, Incidents and Registers

2.1 Industrial Sites Holding Licences and/or Authorisations

Searches of information provided by the Environment Agency/Natural Resources Wales and Local Authorities reveal the following information:

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

0

Database searched and no data found.

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

0

Database searched and no data found.

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

0

Database searched and no data found.

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

0

Database searched and no data found.

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

0

Database searched and no data found.

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

2

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	
19	112	SW	505401 184300	Address: Lh Jennings, High St 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
20	342	S	505467 184047	Address: Bromptons Dry Cleaners, 47 Windsor Street, Uxbridge, Middlesex, UB8 1AB Process: Dry Cleaning Status: Current 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:

0

Database searched and no data found.

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

9

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

ID	Distance (m)	Direction	NGR	Details	
10C	218	NW	505300 184700	Address: Braybourne Close (No.2) Uxbridge Braybourne Close (No.2) Uxbridge Effluent Type: SEWAGE DISCHARGES - PUMPING STATION - WATER COMPANY Permit Number: TEMP.0522 Permit Version: 2	Receiving Water: Fray's River Status: SURRENDERED UNDER EPR 2010 Issue date: 03/09/2010 Effective Date: 03-Sep-2010 Revocation Date: 19/08/2014
11C	218	NW	505300 184700	Address: Braybourne Close (No.2) Uxbridge Braybourne Close (No.2) Uxbridge Effluent Type: SEWAGE DISCHARGES - PUMPING STATION - WATER COMPANY Permit Number: TEMP.0522 Permit Version: 1	Receiving Water: FRAY'S RIVER Status: TEMPORARY CONSENTS (WATER ACT 1989, SECTION 113) Issue date: 02/11/1989 Effective Date: 02-Nov-1989 Revocation Date: 02/09/2010
12	322	NW	505245 184789	Address: THE LOCK HOUSE, WILLOW AVENUE, DENHAM, UXBRIDGE, ENGLAND, UB9 4AF Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: EPRBP3326GK Permit Version: 1	Receiving Water: GRAND UNION CANAL Status: NEW ISSUED UNDER EPR 2010 Issue date: 28/06/2010 Effective Date: 28-Jun-2010 Revocation Date: -

ID	Distance (m)	Direction	NGR	Details	
13D	333	N	505490 184880	Address: REAR OF 9-123 HAREFIELD ROAD, UXBRI, REAR OF 9-123 HAREFIELD ROAD, UX, BRIDGE, MIDDLESEX Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: CTWC.0350 Permit Version: 1	Receiving Water: FRAYS RIVER Status: REVOKED - UNSPECIFIED Issue date: 03/09/1985 Effective Date: 03-Sep-1985 Revocation Date: 30/04/1992
14D	333	N	505480 184880	Address: REAR OF HAREFIELD ROAD, UXBRIDGE, M, REAR OF HAREFIELD ROAD, UXBRIDGE, MIDDLESEX Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: CTWC.0659 Permit Version: 1	Receiving Water: RIVER FRAYS Status: REVOKED - UNSPECIFIED Issue date: 11/02/1986 Effective Date: 11-Feb-1986 Revocation Date: 30/04/1992
15D	333	N	505480 184880	Address: REAR OF HAREFIELD ROAD, UXBRIDGE, M, REAR OF HAREFIELD ROAD, UXBRIDGE, MIDDLESEX Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: CTWC.0660 Permit Version: 1	Receiving Water: RIVER FRAYS Status: REVOKED - UNSPECIFIED Issue date: 11/02/1986 Effective Date: 11-Feb-1986 Revocation Date: 30/04/1992
16E	364	N	505400 184900	Address: Braybourne Close (No.1) Uxbridge Braybourne Close (No.1) Uxbridge Effluent Type: SEWAGE DISCHARGES - PUMPING STATION - WATER COMPANY Permit Number: TEMP.0521 Permit Version: 1	Receiving Water: FRAY'S RIVER Status: TEMPORARY CONSENTS (WATER ACT 1989, SECTION 113) Issue date: 02/11/1989 Effective Date: 02-Nov-1989 Revocation Date: 02/09/2010
17E	364	N	505400 184900	Address: Braybourne Close (No.1) Uxbridge Braybourne Close (No.1) Uxbridge Effluent Type: SEWAGE DISCHARGES - PUMPING STATION - WATER COMPANY Permit Number: TEMP.0521 Permit Version: 2	Receiving Water: Fray's River Status: SURRENDERED UNDER EPR 2010 Issue date: 03/09/2010 Effective Date: 03-Sep-2010 Revocation Date: 19/08/2014
18	374	N	505520 184920	Address: REAR OF 9-123 HAREFIELD ROAD, UXBRI, REAR OF 9-123 HAREFIELD ROAD, UX, BRIDGE, MIDDLESEX Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: CTWC.0351 Permit Version: 1	Receiving Water: FRAYS RIVER Status: REVOKED - UNSPECIFIED Issue date: 03/09/1985 Effective Date: 03-Sep-1985 Revocation Date: 30/04/1992

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:

9

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	215	N	505367 184734	Incident Date: 06-Jul-2002 Incident Identification: 89699 Pollutant: Sewage Materials Pollutant Description: Grey Water	Water Impact: Category 3 (Minor) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
2	247	W	505200 184600	Incident Date: 04-Oct-2001 Incident Identification: 34602 Pollutant: Contaminated Water Pollutant Description: Other Contaminated Water	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
3	277	N	505450 184821	Incident Date: 06-Feb-2003 Incident Identification: 135245 Pollutant: Sewage Materials Pollutant Description: Crude Sewage	Water Impact: Category 3 (Minor) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
4	302	N	505326 184812	Incident Date: 05-Sep-2002 Incident Identification: 105511 Pollutant: Contaminated Water Pollutant Description: Firefighting Run-Off	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
5A	448	NW	505046 184748	Incident Date: 10-Nov-2001 Incident Identification: 42142 Pollutant: Sewage Materials Pollutant Description: Grey Water	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
6A	467	NW	505034 184766	Incident Date: 07-Feb-2003 Incident Identification: 135545 Pollutant: Sewage Materials Pollutant Description: Crude Sewage	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
7B	468	NW	505077 184829	Incident Date: 20-Dec-2002 Incident Identification: 126951 Pollutant: Contaminated Water Pollutant Description: Chemically Contaminated Run-Off	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
8B	468	NW	505077 184829	Incident Date: 20-Dec-2002 Incident Identification: 126951 Pollutant: Contaminated Water Pollutant Description: Chemically Contaminated Run-Off	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
9	494	NW	505032 184812	Incident Date: 26-Oct-2002 Incident Identification: 116834 Pollutant: Inert Materials and Wastes Pollutant Description: Soils and Clay	Water Impact: Category 2 (Significant) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)

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

0

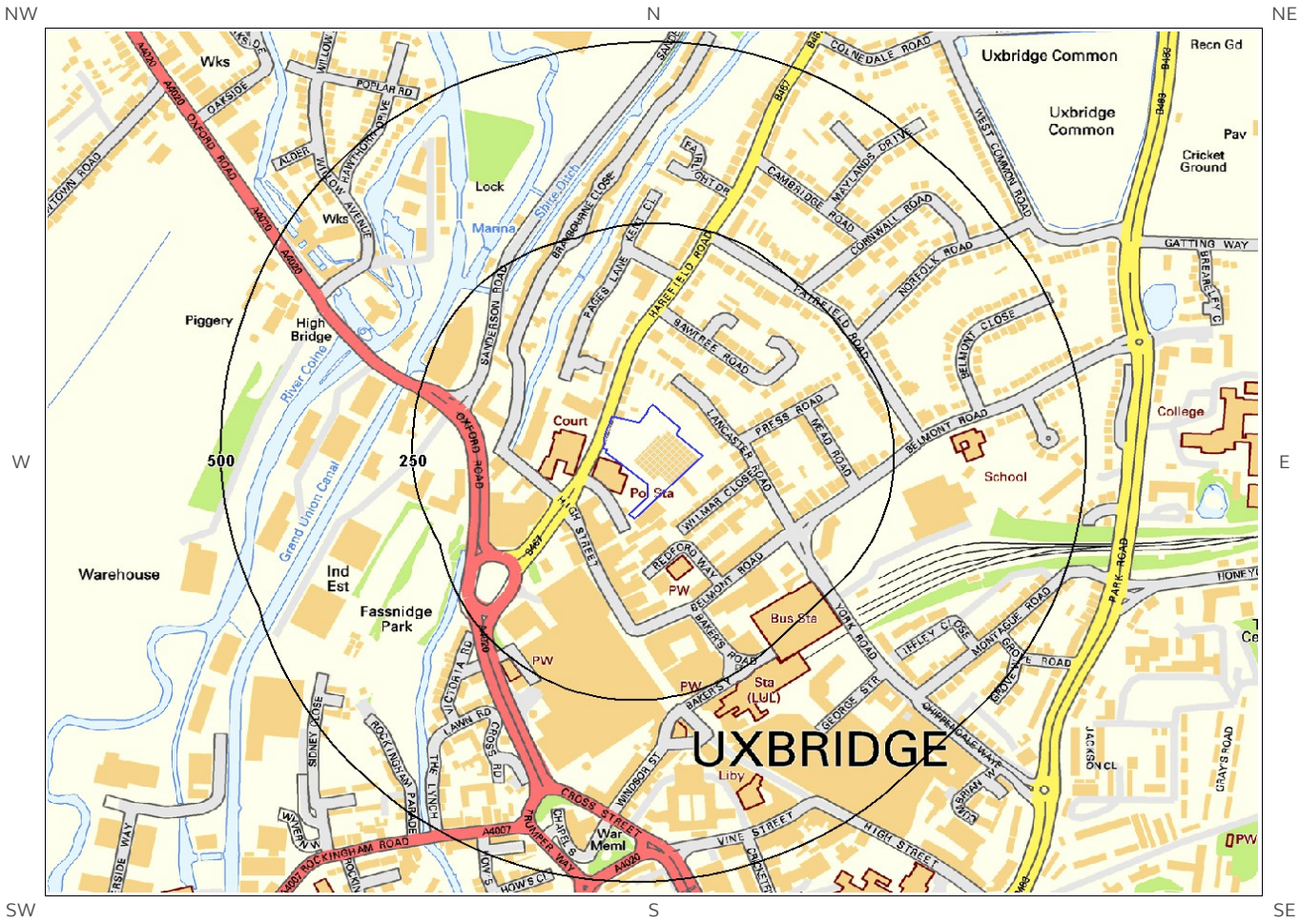
Database searched and no data found.

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

How many records of sites determined as contaminated land under Section 78R of the Environmental Protection Act 1990 are there within 500m of the study site? 0

Database searched and no data found.

3. Landfill and Other Waste Sites Map



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Site Outline

250
500
Search Buffers (m)

EA/NRW Active Landfill

EA/NRW Historic Landfill

BGS / DoE Survey Landfill

Historic and Planned Waste Sites

EA/NRW Licensed Waste Site

Local Authority/Historical Mapping Landfill Records

3. Landfill and Other Waste Sites

3.1 Landfill Sites

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

0

Database searched and no data found.

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

1

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

ID	Distance (m)	Direction	NGR	Details	
Not shown	1282	SW	504300 183300	Site Address: Slough Road B, Slough Road Waste Licence: - Site Reference: - Waste Type: - Environmental Permitting Regulations (Waste) Reference: -	Licence Issue: Licence Surrendered: Licence Holder Address: - Operator: - Licence Holder: - First Recorded: - Last Recorded: -

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

0

Database searched and no data found.

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

0

Database searched and no data found.

3.2 Other Waste Sites

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

0

Database searched and no data found.

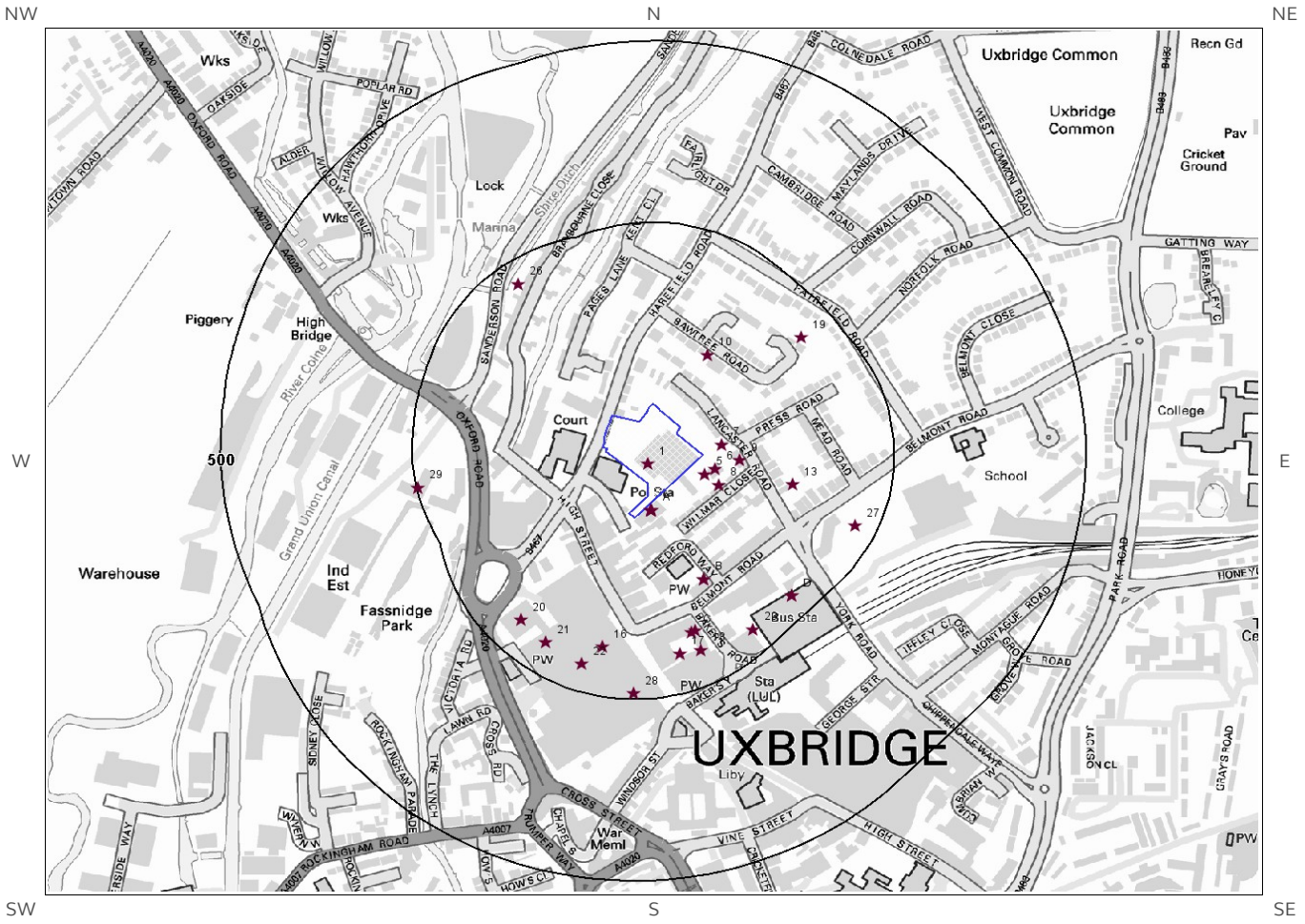
3.2.2 Records of Environment Agency/Natural Resources Wales licensed waste sites within 1500m of the study site:

3

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

ID	Distance (m)	Direction	NGR	Details	
Not shown	1258	W	504179 184651	Site Address: Denham Quarry, Denham Road, Uxbridge, Middlesex, UB9 4EH Type: Inert & Excavation WTS with treatment Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: SUM017 EPR reference: EA/EPR/ZP3198VX/A001 Operator: Summerleaze Limited Waste Management licence No: 102886 Annual Tonnage: 250000.0	Issue Date: 30/08/2011 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued Site Name: Denham Quarry Correspondence Address: -
Not shown	1318	W	504129 184723	Site Address: Land At Denham, Uxbridge, Middlesex, UB9 4HE Type: Deposit of waste to land as a recovery operation Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: SUM009 EPR reference: EA/EPR/BP3693MY/V002 Operator: Summerleaze Ltd Waste Management licence No: 100631 Annual Tonnage: 165000.0	Issue Date: 24/08/2010 Effective Date: - Modified: 06/03/2012 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified Site Name: New Denham Quarry Correspondence Address: -
Not shown	1370	W	504097 184825	Site Address: Denham Quarry, Denham Road, Uxbridge, Middlesex, UB9 4EH Type: Mining Waste Operations Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: SUM018 EPR reference: EA/EPR/BB3030AU/A001 Operator: Summerleaze Limited Waste Management licence No: 103151 Annual Tonnage: 0.0	Issue Date: 19/09/2011 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued Site Name: Denham Quarry Correspondence Address: -

4. Current Land Use Map


NW
N
NE
W
E
SW
S
500
Wks
Piggery
High Bridge
River Colne
Grand Union Canal
Warehouse
Ind Est
Fassnidge Park
Lock
Marina
Court
Pol Sta
Uxbridge Common
Recn Gd
Cricket Ground
Pav
College
School
Bus Sta
Sta (LUL)
UXBRIDGE
Liby
War Meml
PW
HIGH STREET
OXFORD ROAD
BELMONT ROAD
WILTMAR CLOSE
HAREFIELD ROAD
CROWN ROAD
CROSS STREET
VINE STREET
WINDSOR ST
BAKER ST
YORK ROAD
PARK ROAD
GEORGE STR
CORNWALL ROAD
NORFOLK ROAD
GATTING WAY
CAMBRIDGE ROAD
MAYLANDS DRIVE
WEST COMMON ROAD
COLNEDALE ROAD
BEDFORD WAY
LANCASTER ROAD
PRESS ROAD
MEAD ROAD
BELMONT CLOSE
SANDERSON ROAD
BEAUCHAMP CLOSE
PAGES LANE
LEA CL
GILL DR
BAWTREE ROAD
TAVISTOCK ROAD
ROCKINGHAM ROAD
LAWN RD
CROSS RD
THE LYNCH
SIDNEY CLOSE
TRUMPER WAY
CHAPEL ST
HOWS CL
TILLEY CLOSE
MONTAGUE ROAD
GROVE ROAD
GRAYS ROAD
ABRAHAM DR
SHEPHERDALE WAY
JUBILEE CL
BRUNEL RD
WILLOW AVENUE
HAWTHORN DRIVE
POPLAR RD
OAKSIDE
ALDER
WILLOW
ELDERSIDE WAY
A4020
A4007
A4020
A4020
A4020

4. Current Land Uses

4.1 Current Industrial Data

Records of potentially contaminative industrial sites within 250m of the study site: 29

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

ID	Distance (m)	Direction	Company	NGR	Address	Activity	Category
1	0	On Site	Halfords	505484 184465	10, Harefield Road, Uxbridge, UB8 1JS	Vehicle Parts and Accessories	Motoring
2A	6	SE	Alamo Rent A Car	505488 184401	Beasley Court 3, Warwick Place, Uxbridge, UB8 1PE	Vehicle Hire and Rental	Hire Services
3A	6	SE	S P C International	505488 184401	Beasley Court 3, Warwick Place, Uxbridge, UB8 1PE	Special Purpose Machinery and Equipment	Industrial Products
4A	6	SE	G K N Freight Services Ltd	505488 184401	Beasley Court, 3 Warwick Place, Uxbridge, UB8 1PE	Distribution and Haulage	Transport, Storage and Delivery
5	20	SE	Tank	505559 184451	UB8	Tanks (Generic)	Industrial Features
6	24	SE	Works	505572 184458	UB8	Unspecified Works Or Factories	Industrial Features
7	29	NE	Courtwood Car Services	505580 184491	17, Lancaster Road, Uxbridge, UB8 1AP	Vehicle Repair, Testing and Servicing	Repair and Servicing
8	43	SE	Hog Roast Caterer	505576 184435	8, Wilmar Close, Uxbridge, UB8 1AS	Food and Beverage Industry Machinery	Industrial Products
9	49	E	R J Repairs	505604 184469	11, Lancaster Road, Uxbridge, UB8 1AP	Vehicle Repair, Testing and Servicing	Repair and Servicing
10	98	NE	Electricity Sub Station	505562 184615	UB8	Electrical Features	Infrastructure and Facilities
11B	122	SE	Extreme Supplies Ltd	505556 184306	29, Belmont Road, Uxbridge, UB8 1QS	Electronic Equipment	Industrial Products
12B	122	SE	Fireplace & Stove Co	505556 184306	29, Belmont Road, Uxbridge, UB8 1QS	Fireplaces and Mantelpieces	Consumer Products
13	123	E	D B J Auto Electrical	505673 184436	Unit 2a, Lancaster Road, Uxbridge, UB8 1AP	Vehicle Repair, Testing and Servicing	Repair and Servicing
14C	173	SE	Ealing & Acton Gazette Classifieds Plc	505540 184233	Gazette House 28, Bakers Road, Uxbridge, UB8 1RG	Published Goods	Industrial Products
15C	173	SE	Uxbridge Gazette	505545 184235	28, Bakers Road, Uxbridge, UB8 1RG	Published Goods	Industrial Products
16	182	S	I T Europa	505424 184212	Armstrong House 38, Market Square, Uxbridge, UB8 1LH	Published Goods	Industrial Products
17	195	S	Electricity Sub Station	505526 184204	UB8	Electrical Features	Infrastructure and Facilities
18	200	SE	P Tech Security	505553 184208	Bakers House 25, Bakers Road, Uxbridge, UB8 1RG	Electronic Equipment	Industrial Products

ID	Distance (m)	Direction	Company	NGR	Address	Activity	Category
19	200	NE	Electricity Sub Station	505684 184639	UB8	Electrical Features	Infrastructure and Facilities
20	204	SW	Telephone Exchange	505319 184250	UB8	Telecommunications Features	Infrastructure and Facilities
21	207	SW	Specsavers Hearcare	505351 184219	21-22, Chequers Square, Uxbridge, UB8 1LN	Disability and Mobility Equipment	Consumer Products
22	212	S	Calendar Club	505397 184189	The Mall Pavilions, Chequers Square, Uxbridge, UB8 1LN	Published Goods	Industrial Products
23	217	SE	Electricity Sub Station	505621 184237	UB8	Electrical Features	Infrastructure and Facilities
24D	218	SE	London Buses	505671 184283	Uxbridge Bus Station, Bakers Road, Uxbridge, UB8 1RJ	Bus and Coach Stations, Depots and Companies	Public Transport, Stations and Infrastructure
25D	218	SE	Metroline Uxbridge Bus Garage	505672 184284	Bakers Road, Uxbridge, UB8 1RJ	Bus and Coach Stations, Depots and Companies	Public Transport, Stations and Infrastructure
26	220	NW	Electricity Sub Station	505315 184713	UB8	Electrical Features	Infrastructure and Facilities
27	221	SE	Electricity Sub Station	505755 184380	UB8	Electrical Features	Infrastructure and Facilities
28	241	S	Armstrong	505466 184149	Armstrong House 38, Market Square, Uxbridge, UB8 1NG	Bricks, Tiles, Clay and Ceramic Products	Industrial Products
29	249	W	Otsuka Pharmaceuticals UK Ltd	505183 184432	Hunton House Highbridge Industrial Estate, Oxford Road, Uxbridge, UB8 1LX	Medical Equipment, Supplies and Pharmaceuticals	Industrial Products

4.2 Petrol and Fuel Sites

Records of petrol or fuel sites within 500m of the study site: 0

Database searched and no data found.

4.3 National Grid High Voltage Underground Electricity Transmission Cables

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

Records of National Grid high voltage underground electricity transmission cables within 500m of the study site: 0

Database searched and no data found.

4.4 National Grid High Pressure Gas Transmission Pipelines

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

Records of National Grid high pressure gas transmission pipelines within 500m of the study site: 0

Database searched and no data found.

5. Geology

5.1 Artificial Ground and Made Ground

Database searched and no data found.

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

5.2 Superficial Ground and Drift Geology

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

Lex Code	Description	Rock Type
LHGR-XSV	LYNCH HILL GRAVEL MEMBER	SAND AND GRAVEL

5.3 Bedrock and Solid Geology

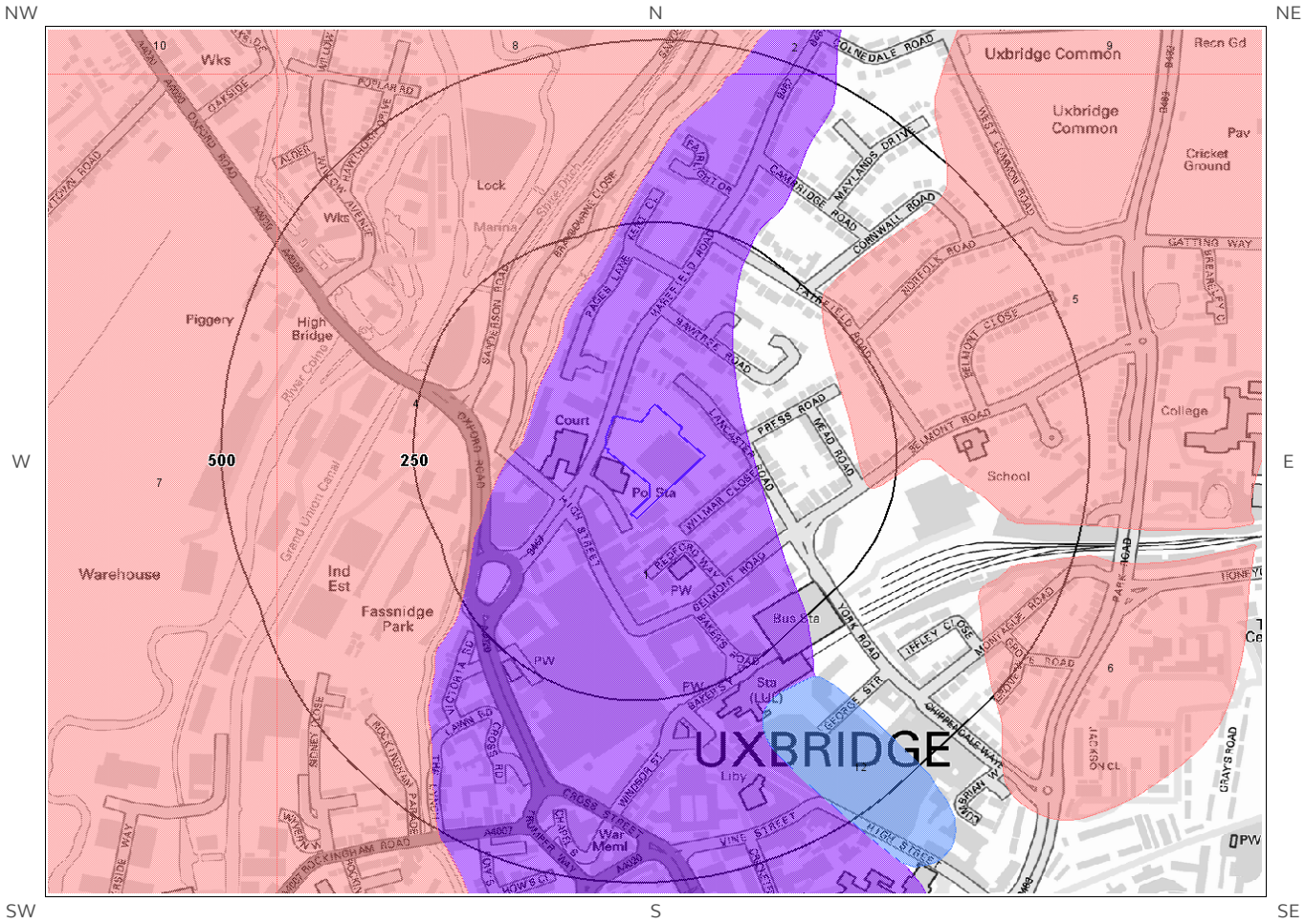
The database has been searched on site, including a 50m buffer.

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

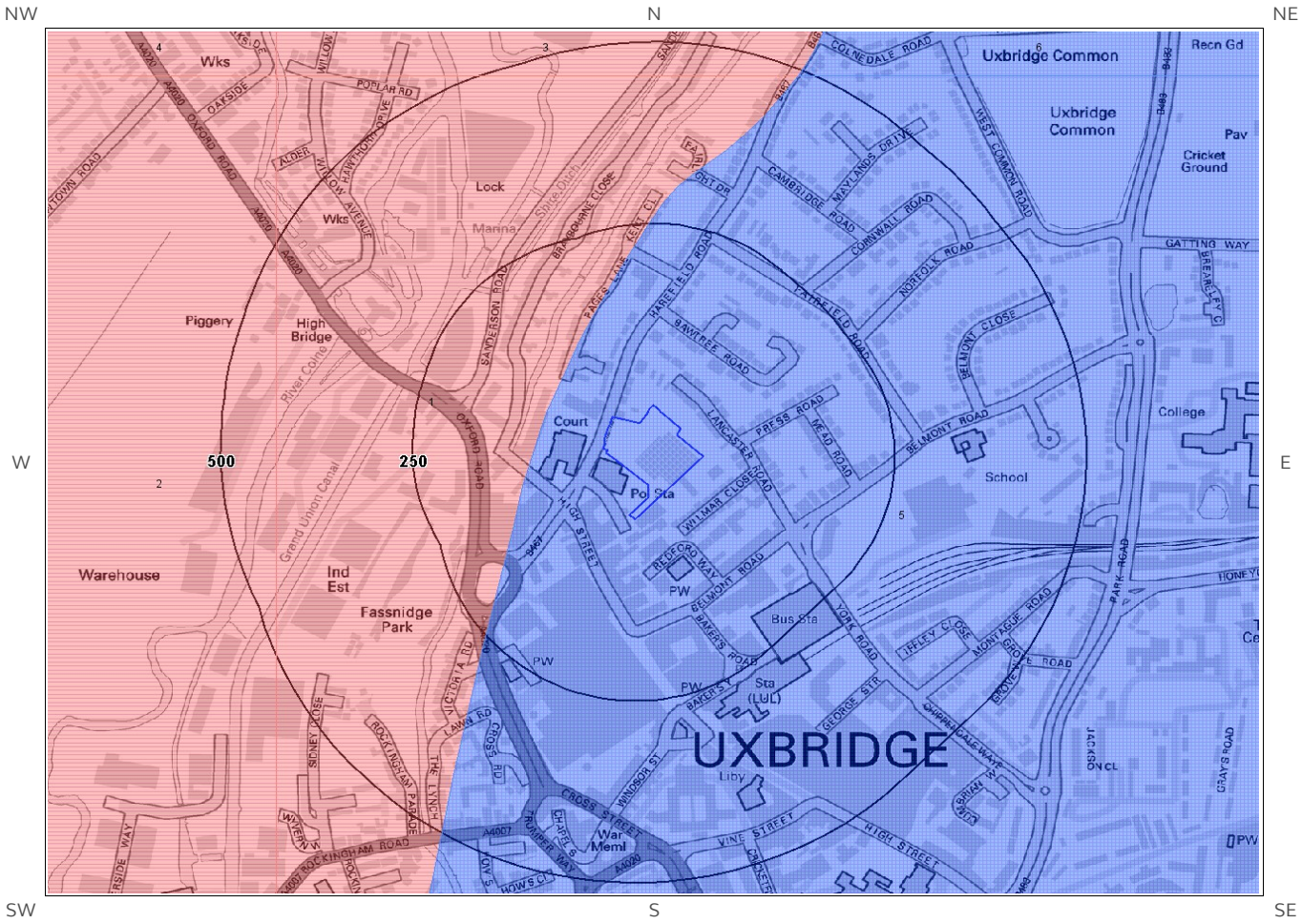
(Derived from the BGS 1:50,000 Digital Geological Map of Great Britain)

6 Hydrogeology and Hydrology

6a. Aquifer Within Superficial Geology


NW
N
NE
W
E
SW
S
SE
500
250
UXBRIDGE
Uxbridge Common
Uxbridge Common
Cricket Ground
Recn Gd
Pav
Lock
Marina
Wks
Figgery
High Bridge
River Colne
Grand Union Canal
Court
Pol Sta
College
School
Warehouse
Ind Est
Fassnidge Park
Bus Sta
Sta (LUL)
Liby
War Meml
PW
CORNWALL ROAD
CAMBRIDGE ROAD
MAYLANDS DRIVE
WEST EMMOTT ROAD
GATTING WAY
NORFOLK ROAD
BELMONT CLOSE
BELMONT ROAD
PRESS ROAD
MEAD ROAD
LANCASTER ROAD
WILMAR CLOSE
HIGH STREET
BEDFORD WAY
BAKERS ROAD
YORK ROAD
TIFFEY CLOSE
MONTAGUE ROAD
GEORGE STR
WINDSOR ST
CROSS STREET
VINE STREET
HIGH STREET
OXFORD ROAD
ROCKINGHAM ROAD
VICTORIA RD
SHIELDS ROAD
SHIRLEY CLOSE
CRAYS ROAD
PAGES LANE
WHITEFIELD ROAD
SAYNESBURY ROAD
BRIDGEMARK CLOSE
OAKSIDE
POPLAR RD
ALDER
HAWTHORN AVENUE
FLOYAN ROAD
A4020
A4007
A4020
A4020
A4020

6b. Aquifer Within Bedrock Geology and Abstraction Licenses



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Site Outline

250
500
Search Buffers (m)

Principal Aquifer

Secondary (A) Aquifer - Permeable Layers

Secondary (B) Aquifer - Lower Permeability Layers

Groundwater Abstraction Licence

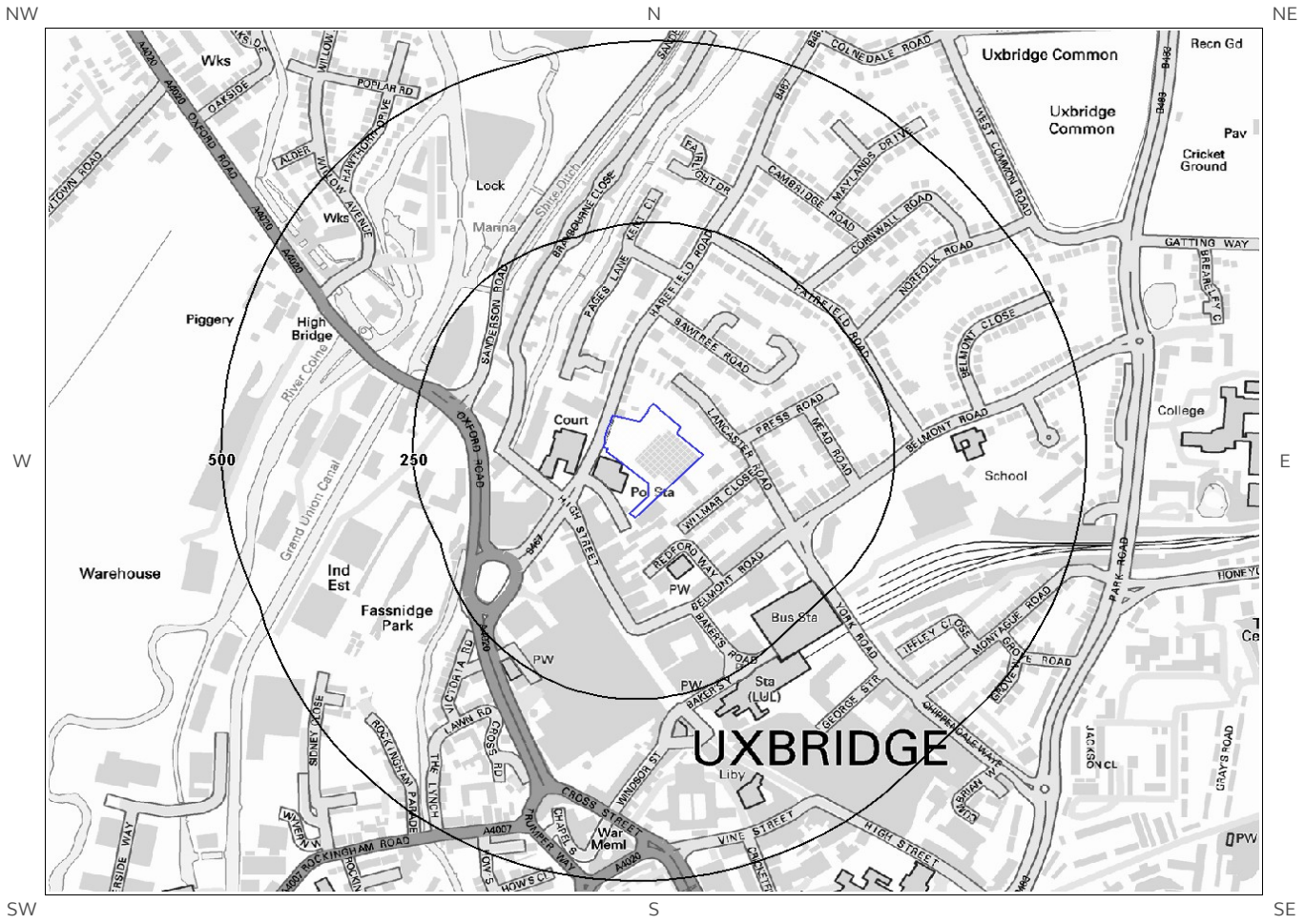
Secondary Aquifer - Undifferentiated Layers

Unproductive

Unknown (lakes and landslip)

Surface Water Abstraction Licence

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



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Site Outline

250
500
Search Buffers (m)

Source Protection Zone 1 - Inner Catchment

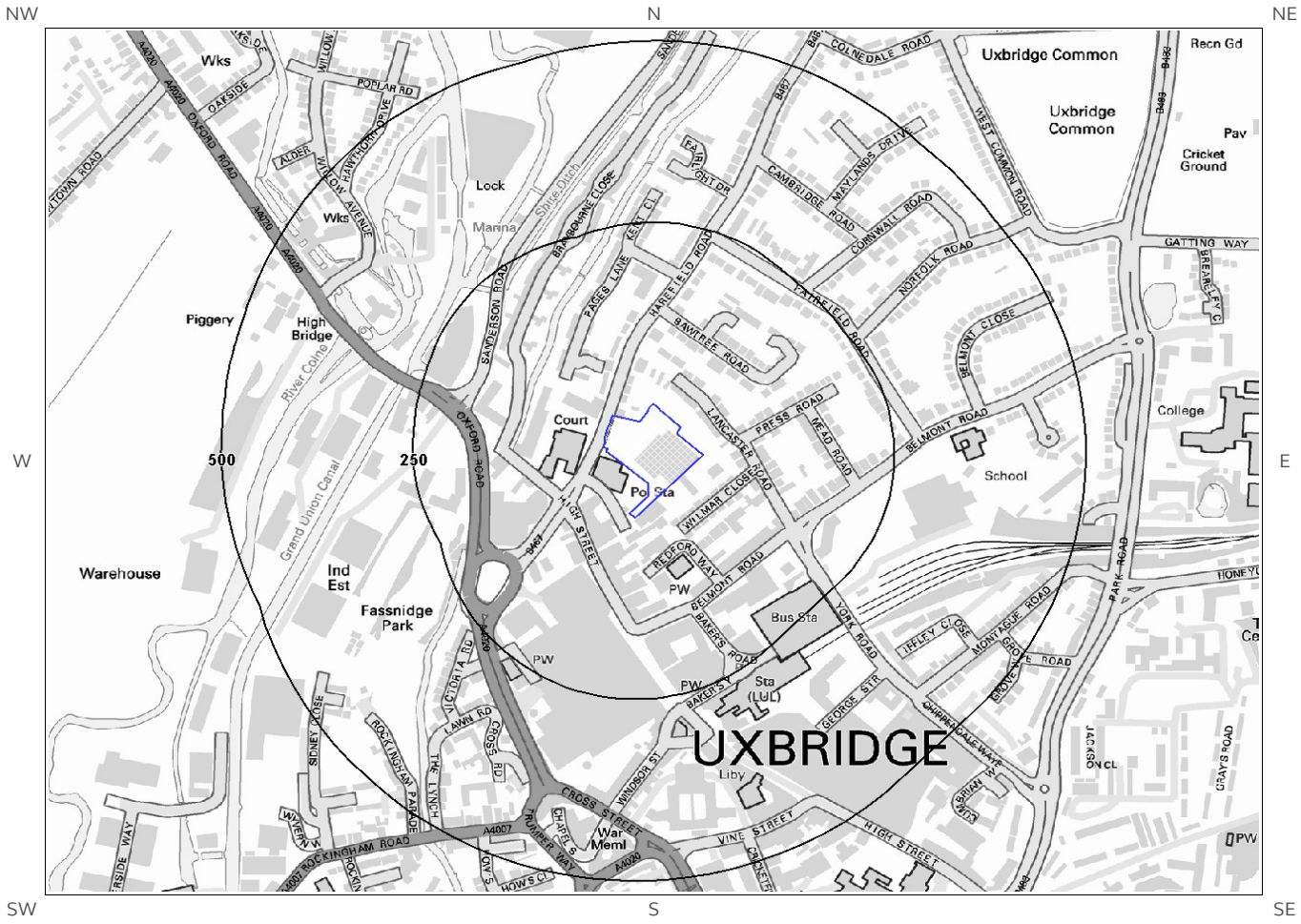
Source Protection Zone 2 - Outer Catchment

Source Protection Zone 3 - Total Catchment

Source Protection Zone 4 - Zone of Special Interest

Potable Water Abstraction Licence

6d. Hydrogeology – Source Protection Zones within confined aquifer



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Source Protection Zone 1 - Inner Catchment

Source Protection Zone 2C - Outer Catchment within Confined Aquifer

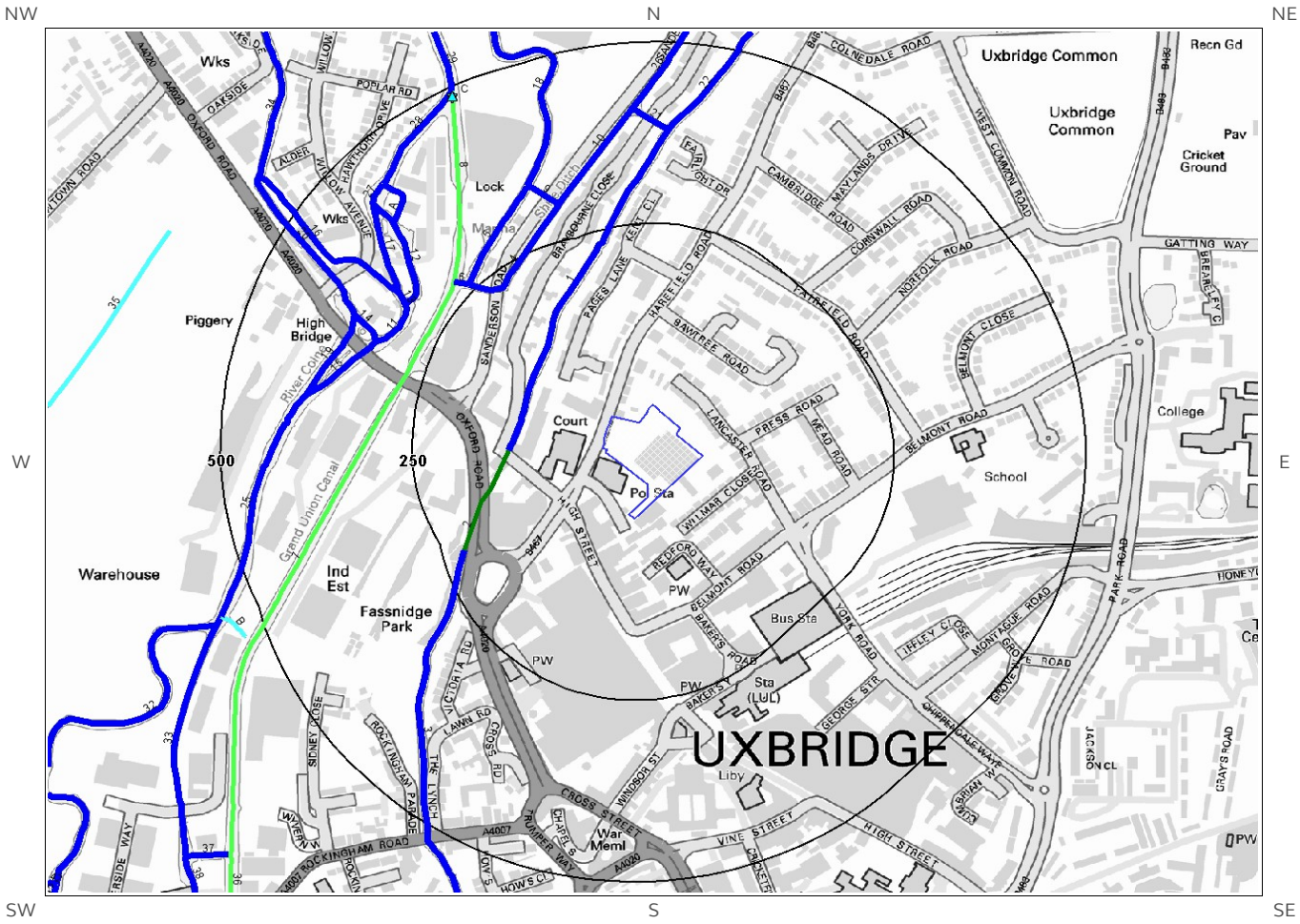
Source Protection Zone 3C - Total Catchment within Confined Aquifer

Potable Water Abstraction Licence

Site Outline

250
500
Search Buffers (m)

6e. Hydrology – Detailed River Network and River Quality



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Site Outline

250
500
Search Buffers (m)

Primary River
Secondary River
Tertiary River
Lake/Reservoir
Underground River (inferred)
General Quality Assessment: Biology
General Quality Assessment: Chemistry

Canal
Canal Tunnel
Culvert
Multiple Channel Culvert
Underground River (Potential Sewer)
Underground River (local knowledge)

6.Hydrogeology and Hydrology

6.1 Aquifer within Superficial Deposits

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

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

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

ID	Distance (m)	Direction	Designation	Description
1	0	On Site	Principal	Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers
4	104	W	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
5	194	E	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
12	303	SE	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow
6	403	SE	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
7	427	W	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
8	453	N	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
2	464	N	Principal	Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers

6.2 Aquifer within Bedrock Deposits

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

From 1 April 2010, the Environment Agency/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
5	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
1	82	W	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
2	427	W	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
3	453	N	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
6	491	NE	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow

6.3 Groundwater Abstraction Licences

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

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

ID	Distance (m)	Direction	NGR	Details	
Not shown	542	N	505350 185070	Status: Historical Licence No: 28/39/28/0010 Details: General Washing/Process Washing Direct Source: Thames Groundwater Point: 100 Acres, Denham, Bucks- Borehole A Data Type: Point Name: ARLINGTON BUSINESS PARKS GP LTD	Annual Volume (m^3): 454600 Max Daily Volume (m^3): 1637 Original Application No: - Original Start Date: 8/11/1965 Expiry Date: - Issue No: 102 Version Start Date: 8/9/2003 Version End Date:
Not shown	542	N	505350 185070	Status: Historical Licence No: 28/39/28/0010 Details: General Washing/Process Washing Direct Source: Thames Groundwater Point: Borehole A At 100 Acres, Denham, Bucks. Data Type: Point Name: HARBOUR PROPERTIES LIMITED	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 8/11/1965 Expiry Date: - Issue No: 101 Version Start Date: 1/1/2002 Version End Date:

ID	Distance (m)	Direction	NGR	Details	
Not shown	560	N	505400 185100	Status: Historical Licence No: 28/39/28/0010 Details: General Washing/Process Washing Direct Source: Thames Groundwater Point: Borehole C At 100 Acres Data Type: Point Name: A SANDERSON AND SONS LIMITED	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 8/11/1965 Expiry Date: - Issue No: 100 Version Start Date: 8/11/1965 Version End Date:
Not shown	560	N	505400 185100	Status: Historical Licence No: 28/39/28/0010 Details: General Washing/Process Washing Direct Source: Thames Groundwater Point: Borehole A At 100 Acres Data Type: Point Name: A SANDERSON AND SONS LIMITED	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 8/11/1965 Expiry Date: - Issue No: 100 Version Start Date: 8/11/1965 Version End Date:
Not shown	560	N	505400 185100	Status: Historical Licence No: 28/39/28/0010 Details: General Washing/Process Washing Direct Source: Thames Groundwater Point: Borehole B At 100acres Data Type: Point Name: A SANDERSON AND SONS LIMITED	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 8/11/1965 Expiry Date: - Issue No: 100 Version Start Date: 8/11/1965 Version End Date:
Not shown	617	N	505360 185150	Status: Historical Licence No: 28/39/28/0010 Details: General Washing/Process Washing Direct Source: Thames Groundwater Point: 100 Acres, Denham, Bucks- Borehole C Data Type: Point Name: ARLINGTON BUSINESS PARKS GP LTD	Annual Volume (m^3): 454600 Max Daily Volume (m^3): 1637 Original Application No: - Original Start Date: 8/11/1965 Expiry Date: - Issue No: 102 Version Start Date: 8/9/2003 Version End Date:
Not shown	617	N	505360 185150	Status: Historical Licence No: 28/39/28/0010 Details: General Washing/Process Washing Direct Source: Thames Groundwater Point: Borehole C At 100 Acres, Denham, Bucks. Data Type: Point Name: HARBOUR PROPERTIES LIMITED	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 8/11/1965 Expiry Date: - Issue No: 101 Version Start Date: 1/1/2002 Version End Date:
Not shown	638	N	505410 185180	Status: Historical Licence No: 28/39/28/0010 Details: General Washing/Process Washing Direct Source: Thames Groundwater Point: 100 Acres, Denham, Bucks- Borehole B Data Type: Point Name: ARLINGTON BUSINESS PARKS GP LTD	Annual Volume (m^3): 454600 Max Daily Volume (m^3): 1637 Original Application No: - Original Start Date: 8/11/1965 Expiry Date: - Issue No: 102 Version Start Date: 8/9/2003 Version End Date:
Not shown	638	N	505410 185180	Status: Historical Licence No: 28/39/28/0010 Details: General Washing/Process Washing Direct Source: Thames Groundwater Point: Borehole B At 100 Acres, Denham, Bucks Data Type: Point Name: HARBOUR PROPERTIES LIMITED	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 8/11/1965 Expiry Date: - Issue No: 101 Version Start Date: 1/1/2002 Version End Date:
Not shown	932	NW	504700 185100	Status: Historical Licence No: 28/39/28/0132 Details: Spray Irrigation - Direct Direct Source: Thames Groundwater Point: Well 'a' At New Denham Data Type: Point Name: B T SMITH & SON	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 5/9/1966 Expiry Date: - Issue No: 100 Version Start Date: 10/12/1993 Version End Date:

ID	Distance (m)	Direction	NGR	Details	
Not shown	932	NW	504700 185100	Status: Historical Licence No: 28/39/28/0132 Details: Spray Irrigation - Spray Irrigation Definition Order Direct Source: Thames Groundwater Point: Well 'a' At New Denham Data Type: Point Name: B T SMITH & SON	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 5/9/1966 Expiry Date: - Issue No: 100 Version Start Date: 10/12/1993 Version End Date:
Not shown	948	NW	504720 185150	Status: Active Licence No: 28/39/28/0132 Details: Spray Irrigation - Spray Irrigation Definition Order Direct Source: Thames Groundwater Point: Smiths Nurseries, Denham- Well A Data Type: Point Name: SMITHS NURSERIES LIMITED	Annual Volume (m^3): 9819 Max Daily Volume (m^3): 54.6 Original Application No: - Original Start Date: 5/9/1966 Expiry Date: - Issue No: 101 Version Start Date: 1/4/2008 Version End Date:
Not shown	948	NW	504720 185150	Status: Active Licence No: 28/39/28/0132 Details: Spray Irrigation - Direct Direct Source: Thames Groundwater Point: Smiths Nurseries, Denham- Well A Data Type: Point Name: SMITHS NURSERIES LIMITED	Annual Volume (m^3): 9819 Max Daily Volume (m^3): 54.6 Original Application No: - Original Start Date: 5/9/1966 Expiry Date: - Issue No: 101 Version Start Date: 1/4/2008 Version End Date:
Not shown	1049	W	504460 184910	Status: Active Licence No: 28/39/28/0132 Details: Spray Irrigation - Spray Irrigation Definition Order Direct Source: Thames Groundwater Point: Smiths Nurseries, Denham- Well C Data Type: Point Name: SMITHS NURSERIES LIMITED	Annual Volume (m^3): 9819 Max Daily Volume (m^3): 54.6 Original Application No: - Original Start Date: 5/9/1966 Expiry Date: - Issue No: 101 Version Start Date: 1/4/2008 Version End Date:
Not shown	1049	W	504460 184910	Status: Active Licence No: 28/39/28/0132 Details: Spray Irrigation - Direct Direct Source: Thames Groundwater Point: Smiths Nurseries, Denham- Well C Data Type: Point Name: SMITHS NURSERIES LIMITED	Annual Volume (m^3): 9819 Max Daily Volume (m^3): 54.6 Original Application No: - Original Start Date: 5/9/1966 Expiry Date: - Issue No: 101 Version Start Date: 1/4/2008 Version End Date:
Not shown	1091	NW	504520 185120	Status: Active Licence No: 28/39/28/0132 Details: Spray Irrigation - Direct Direct Source: Thames Groundwater Point: Smiths Nurseries, Denham- Well B Data Type: Point Name: SMITHS NURSERIES LIMITED	Annual Volume (m^3): 9819 Max Daily Volume (m^3): 54.6 Original Application No: - Original Start Date: 5/9/1966 Expiry Date: - Issue No: 101 Version Start Date: 1/4/2008 Version End Date:
Not shown	1091	NW	504520 185120	Status: Active Licence No: 28/39/28/0132 Details: Spray Irrigation - Spray Irrigation Definition Order Direct Source: Thames Groundwater Point: Smiths Nurseries, Denham- Well B Data Type: Point Name: SMITHS NURSERIES LIMITED	Annual Volume (m^3): 9819 Max Daily Volume (m^3): 54.6 Original Application No: - Original Start Date: 5/9/1966 Expiry Date: - Issue No: 101 Version Start Date: 1/4/2008 Version End Date:
Not shown	1097	NW	504500 185100	Status: Historical Licence No: 28/39/28/0132 Details: Spray Irrigation - Direct Direct Source: Thames Groundwater Point: Well 'b' At New Denham Data Type: Point Name: B T SMITH & SON	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 5/9/1966 Expiry Date: - Issue No: 100 Version Start Date: 10/12/1993 Version End Date:

ID	Distance (m)	Direction	NGR	Details	
Not shown	1097	NW	504500 185100	Status: Historical Licence No: 28/39/28/0132 Details: Spray Irrigation - Spray Irrigation Definition Order Direct Source: Thames Groundwater Point: Well 'b' At New Denham Data Type: Point Name: B T SMITH & SON	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 5/9/1966 Expiry Date: - Issue No: 100 Version Start Date: 10/12/1993 Version End Date:
Not shown	1102	W	504400 184900	Status: Historical Licence No: 28/39/28/0132 Details: Spray Irrigation - Direct Direct Source: Thames Groundwater Point: Well 'c' At New Denham Data Type: Point Name: B T SMITH & SON	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 5/9/1966 Expiry Date: - Issue No: 100 Version Start Date: 10/12/1993 Version End Date:
Not shown	1102	W	504400 184900	Status: Historical Licence No: 28/39/28/0132 Details: Spray Irrigation - Spray Irrigation Definition Order Direct Source: Thames Groundwater Point: Well 'c' At New Denham Data Type: Point Name: B T SMITH & SON	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 5/9/1966 Expiry Date: - Issue No: 100 Version Start Date: 10/12/1993 Version End Date:
Not shown	1182	W	504263 184702	Status: Active Licence No: TH/039/0028/035 Details: Mineral Washing Direct Source: Thames Groundwater Point: Lagoon At New Denham Quarry, Buckinghamshire Data Type: Point Name: SUMMERLEAZE LIMITED	Annual Volume (m^3): 742500 Max Daily Volume (m^3): 2600 Original Application No: NPS/WR/012708 Original Start Date: 1/4/2014 Expiry Date: 31/3/2026 Issue No: 1 Version Start Date: 1/4/2014 Version End Date:
Not shown	1192	W	504250 184680	Status: Historical Licence No: 28/39/28/0610 Details: Mineral Washing Direct Source: Thames Groundwater Point: Summerleaze New Denham Quarry, Buckinghamshire Data Type: Point Name: SUMMERLEAZE LIMITED	Annual Volume (m^3): 742500 Max Daily Volume (m^3): 2600 Original Application No: GEN/28/252 Original Start Date: 26/10/2007 Expiry Date: 31/3/2014 Issue No: 1 Version Start Date: 26/10/2007 Version End Date:
Not shown	1601	N	505100 186100	Status: Historical Licence No: 28/39/28/0230 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: Well At The Lea, Western Avenue, Denham Data Type: Point Name: ANOOPAM MISSION LTD	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 12/12/1966 Expiry Date: - Issue No: 100 Version Start Date: 20/6/1979 Version End Date:
Not shown	1817	S	504800 182700	Status: Historical Licence No: 28/39/28/0444 Details: Process water Direct Source: Thames Groundwater Point: Borehole A & B At Iver Lane, Uxbridge Data Type: Point Name: CAPE BUILDING PRODUCTS LIMITED	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 9/5/1979 Expiry Date: - Issue No: 100 Version Start Date: 17/5/1989 Version End Date:

ID	Distance (m)	Direction	NGR	Details	
Not shown	1883	W	503658 185145	Status: Active Licence No: 28/39/28/0593/R01 Details: Spray Irrigation - Direct Direct Source: Thames Groundwater Point: Kingcup Farm, Denham-borehole Data Type: Point Name: Mr Intisar Hussain and Mrs Attiya Hussain	Annual Volume (m^3): 7500 Max Daily Volume (m^3): 200 Original Application No: NPS/WR/009972 Original Start Date: 1/4/2014 Expiry Date: 31/3/2026 Issue No: 2 Version Start Date: 16/10/2014 Version End Date:
Not shown	1886	W	503660 185160	Status: Historical Licence No: 28/39/28/0533 Details: Spray Irrigation - Direct Direct Source: Thames Groundwater Point: Borehole At Kingcup Farm, Denham Data Type: Point Name: CLARKE	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: WRA/6359 Original Start Date: 10/2/1997 Expiry Date: 31/12/2004 Issue No: 100 Version Start Date: 10/2/1997 Version End Date:
Not shown	1892	W	503650 185150	Status: Historical Licence No: 28/39/28/0593 Details: Spray Irrigation - Direct Direct Source: Thames Groundwater Point: Kingcup Farm, Denham-borehole Data Type: Point Name: Mr Intisar Hussain and Mrs Attiya Hussain	Annual Volume (m^3): 7500 Max Daily Volume (m^3): 200 Original Application No: NPS/WR/009461 Original Start Date: 14/2/2005 Expiry Date: 31/3/2014 Issue No: 3 Version Start Date: 25/2/2012 Version End Date:
Not shown	1947	SW	504500 182700	Status: Historical Licence No: 28/39/28/0444 Details: Process water Direct Source: Thames Groundwater Point: Wet Gravel Pit At Iver Lane, Uxbridge Data Type: Point Name: CAPE BUILDING PRODUCTS LIMITED	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 9/5/1979 Expiry Date: - Issue No: 100 Version Start Date: 17/5/1989 Version End Date:
Not shown	1975	SW	503700 183500	Status: Historical Licence No: 28/39/28/0080 Details: General Farming & Domestic Direct Source: Thames Groundwater Point: Well At Iver Heath, Slough Data Type: Point Name: JONES	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 4/4/1966 Expiry Date: - Issue No: 100 Version Start Date: 25/6/1986 Version End Date:

6.4 Surface Water Abstraction Licences

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

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

ID	Distance (m)	Direction	NGR	Details	
Not shown	1286	W	504000 184200	Status: Active Licence No: 28/39/28/0079 Details: Spray Irrigation - Direct Direct Source: Thames Surface Water - Non Tidal Point: Reach A-b On River Alderbourne At Mansfield Farm, Iver Heath Data Type: Line Name: JONES	Annual Volume (m^3): 6819 Max Daily Volume (m^3): 205 Application No: - Original Start Date: 4/4/1966 Expiry Date: - Issue No: 100 Version Start Date: 25/6/1986 Version End Date:

ID	Distance (m)	Direction	NGR	Details	
Not shown	1629	SW	504100 183500	Status: Active Licence No: 28/39/28/0079 Details: Spray Irrigation - Direct Direct Source: Thames Surface Water - Non Tidal Point: Reach C-d On River Alderbourne At Mansfield Farm, Iver Heath Data Type: Line Name: JONES	Annual Volume (m^3): 6819 Max Daily Volume (m^3): 205 Application No: - Original Start Date: 4/4/1966 Expiry Date: - Issue No: 100 Version Start Date: 25/6/1986 Version End Date:

6.5 Potable Water Abstraction Licences

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

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

ID	Distance (m)	Direction	NGR	Details	
Not shown	1601	N	505100 186100	Status: Historical Licence No: 28/39/28/0230 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: Well At The Lea, Western Avenue, Denham Data Type: Point Name: ANOOPAM MISSION LTD	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 12/12/1966 Expiry Date: - Issue No: 100 Version Start Date: Version End Date:

6.6 Source Protection Zones

Are there any Source Protection Zones within 500m of the study site? No

Database searched and no data found.

6.7 Source Protection Zones within Confined Aquifer

Are there any Source Protection Zones within the Confined Aquifer within 500m of the study site? No

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

Database searched and no data found.

6.8 Groundwater Vulnerability and Soil Leaching Potential

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

Distance (m)	Direction	Classification	Soil Vulnerability Category	Description
0	On Site	Major 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.
248	E	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.
280	NW	Major Aquifer/High Leaching Potential	H1	Soils which readily transmit liquid discharges because they are shallow or susceptible to rapid flow directly to rock, gravel or groundwater.

6.9 River Quality

Is there any Environment Agency/Natural Resources Wales information on river quality within 1500m of the study site? Yes

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
57C	486	NW	505230 184970	River Name: Grand Union Canal (cowley Reach) Reach: Source - Iron Bridge End/Start of Stretch: Start of Stretch NGR	C	C	C	E	E
Not shown	978	N	505270 185500	River Name: Grand Union Canal (denham Reach) Reach: Source - New Denham Stream End/Start of Stretch: End of Stretch NGR	C	C	C	C	B
Not shown	1314	SW	504500 183500	River Name: Colne Reach: Misbourne - Uxbridge End/Start of Stretch: Start of Stretch NGR	B	B	B	B	B

6.9.2 Chemical Quality:

Chemical quality data is based on the General Quality Assessment Headline Indicators scheme (GQAHI). In England, each chemical sample is measured for ammonia and dissolved oxygen. In Wales, the samples are measured for biological oxygen demand (BOD), ammonia and dissolved oxygen. The results are graded from A ('Very Good') to F ('Bad').

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

					Chemical Quality Grade				
ID	Distance (m)	Direction	NGR	River Quality Grade	2005	2006	2007	2008	2009
60C	486	NW	505230 184970	River Name: Guc (cowley Reach) Reach: Source - Iron Bridge End/Start of Stretch: Start of Stretch NGR	C	C	D	D	D
Not shown	1235	SW	504580 183530	River Name: Colne Brook Reach: Uxbridge Moor - Thames End/Start of Stretch: Start of Stretch NGR	A	A	A	A	A

6.10 Detailed River Network

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

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

ID	Distance (m)	Direction	Details	
1	111	W	River Name: Fray's River Welsh River Name: - Alternative Name: -	River Type: Primary River Main River Status: Currently Undefined
2	124	W	River Name: Fray's River Welsh River Name: - Alternative Name: -	River Type: Culvert Main River Status: Currently Undefined
3	220	W	River Name: Fray's River Welsh River Name: - Alternative Name: -	River Type: Primary River Main River Status: Currently Undefined
4	228	NW	River Name: - Welsh River Name: - Alternative Name: -	River Type: Primary River Main River Status: Currently Undefined
5	261	NW	River Name: - Welsh River Name: - Alternative Name: -	River Type: Primary River Main River Status: Currently Undefined
6	261	NW	River Name: - Welsh River Name: - Alternative Name: -	River Type: Primary River Main River Status: Currently Undefined
7	265	NW	River Name: Grand Union Canal Regent's Canal Welsh River Name: - Alternative Name: -	River Type: Canal Main River Status: Currently Undefined
8	277	NW	River Name: Grand Union Canal Regent's Canal Welsh River Name: - Alternative Name: -	River Type: Canal Main River Status: Currently Undefined
9	300	N	River Name: - Welsh River Name: - Alternative Name: -	River Type: Primary River Main River Status: Currently Undefined

ID	Distance (m)	Direction	Details	
10	300	N	River Name: Shire Ditch Welsh River Name: - Alternative Name: -	River Type: Primary River Main River Status: Currently Undefined
11	303	NW	River Name: River Colne Welsh River Name: - Alternative Name: -	River Type: Primary River Main River Status: Currently Undefined
12	306	NW	River Name: River Colne Welsh River Name: - Alternative Name: -	River Type: Primary River Main River Status: Currently Undefined
13	311	NW	River Name: River Colne Welsh River Name: - Alternative Name: -	River Type: Primary River Main River Status: Currently Undefined
14	326	W	River Name: River Colne Welsh River Name: - Alternative Name: -	River Type: Primary River Main River Status: Currently Undefined
15	326	W	River Name: River Colne Welsh River Name: - Alternative Name: -	River Type: Primary River Main River Status: Currently Undefined
16	328	NW	River Name: River Colne Welsh River Name: - Alternative Name: -	River Type: Primary River Main River Status: Currently Undefined
17	328	NW	River Name: River Colne Welsh River Name: - Alternative Name: -	River Type: Primary River Main River Status: Currently Undefined
18	336	N	River Name: - Welsh River Name: - Alternative Name: -	River Type: Primary River Main River Status: Currently Undefined
19	360	W	River Name: River Colne Welsh River Name: - Alternative Name: -	River Type: Primary River Main River Status: Currently Undefined
20	363	W	River Name: River Colne Welsh River Name: - Alternative Name: -	River Type: Primary River Main River Status: Currently Undefined
21	379	N	River Name: - Welsh River Name: - Alternative Name: -	River Type: Primary River Main River Status: Currently Undefined
22	379	N	River Name: Fray's River Welsh River Name: - Alternative Name: -	River Type: Primary River Main River Status: Currently Undefined
23A	390	NW	River Name: - Welsh River Name: - Alternative Name: -	River Type: Primary River Main River Status: Currently Undefined
24A	390	NW	River Name: River Colne Welsh River Name: - Alternative Name: -	River Type: Primary River Main River Status: Currently Undefined
25	394	W	River Name: River Colne Welsh River Name: - Alternative Name: -	River Type: Primary River Main River Status: Currently Undefined
26	410	N	River Name: Shire Ditch Welsh River Name: - Alternative Name: -	River Type: Primary River Main River Status: Currently Undefined
27	427	NW	River Name: River Colne Welsh River Name: - Alternative Name: -	River Type: Primary River Main River Status: Currently Undefined
28	437	NW	River Name: River Colne Welsh River Name: - Alternative Name: -	River Type: Primary River Main River Status: Currently Undefined

ID	Distance (m)	Direction	Details	
29	495	NW	River Name: Grand Union Canal Regent's Canal Welsh River Name: - Alternative Name: -	River Type: Primary River Main River Status: Currently Undefined

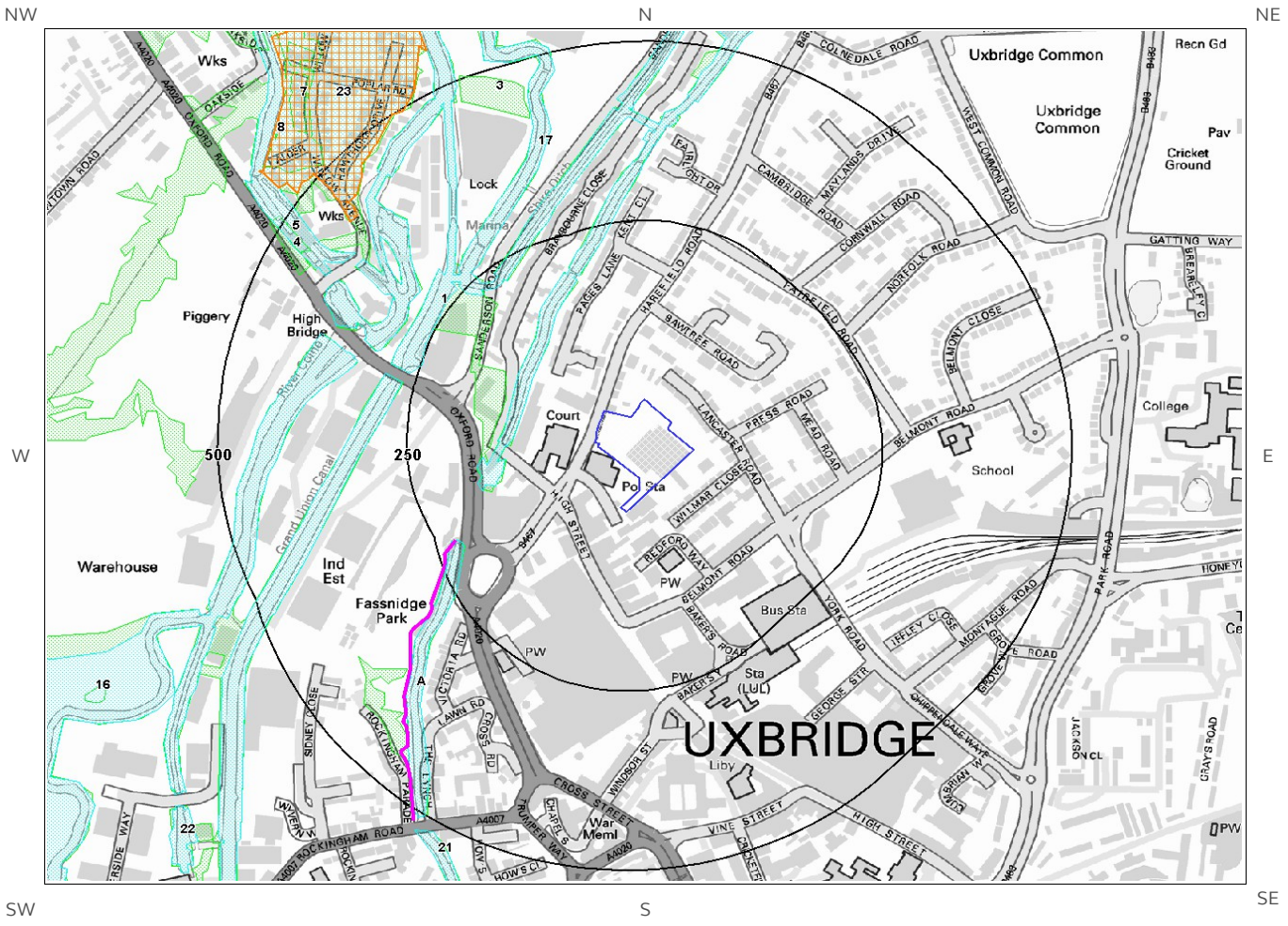
6.11 Surface Water Features

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

The following surface water records are not represented on mapping:

Distance (m)	Direction
108	W
218	W
222	NW
231	NW

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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Site Outline

100 250 Search Buffers (m)

RoFRaS Rating

- Very Low
- Low
- Medium
- High

7 Flooding

7.1 River and Coastal Zone 2 Flooding

Is the site within 250m of an Environment Agency/Natural Resources Wales Zone 2 floodplain? Yes

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:

ID	Distance (m)	Direction	Update	Type
1	102	W	17-Aug-2017	Zone 2 - (Fluvial /Tidal Models)
2A	214	W	17-Aug-2017	Zone 2 - (Fluvial /Tidal Models)

7.2 River and Coastal Zone 3 Flooding

Is the site within 250m of an Environment Agency/Natural Resources Wales Zone 3 floodplain? Yes

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.

ID	Distance (m)	Direction	Update	Type
1	102	W	22-Aug-2017	Zone 3 - (Fluvial Models)
2A	214	W	22-Aug-2017	Zone 3 - (Fluvial Models)

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

What is the highest risk of flooding onsite? Very Low

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

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

7.4 Flood Defences

Are there any Flood Defences within 250m of the study site? Yes

The following flood defence records are represented as lines on the Flood Map:

ID	Distance (m)	Direction	Update
25	224	W	14-Aug-2017

7.5 Areas benefiting from Flood Defences

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

7.6 Areas benefiting from Flood Storage

Are there any areas used for Flood Storage within 250m of the study site? No

7.7 Groundwater Flooding Susceptibility Areas

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

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

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

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

Potential below Surface

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

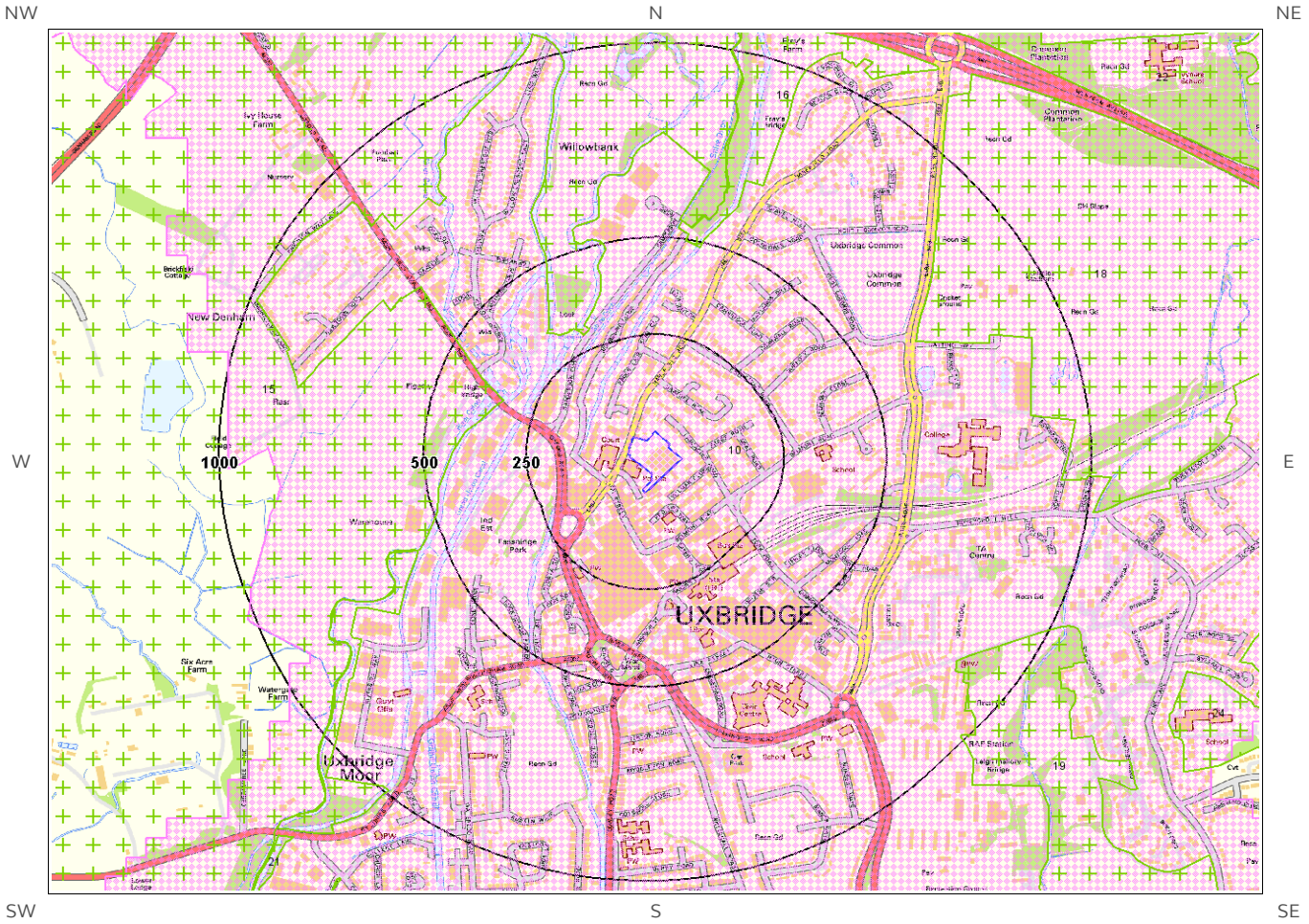
7.8 Groundwater Flooding Confidence Areas

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

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

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

8. Designated Environmentally Sensitive Sites Map



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Site Outline

100
250
Search Buffers (m)

AONB

National Park

SSSI

Special Protection Areas

Nitrate Vulnerable Zones

Green Belt

Environmentally Sensitive Areas

Special Areas of Conservation

World Heritage Sites

Nitrate Sensitive Areas

Ancient Woodland

National Nature Reserve

Local Nature Reserves

Ramsar Sites

8. Designated Environmentally Sensitive Sites

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

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

4

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

ID	Distance (m)	Direction	SSSI Name	Data Source
Not shown	1120	N	Fray's Farm Meadows	Natural England
Not shown	1179	N	Fray's Farm Meadows	Natural England
Not shown	1579	N	Denham Lock Wood	Natural England
Not shown	1826	W	Kingcup Meadows and Oldhouse Wood	Natural England

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

0

Database searched and no data found.

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

0

Database searched and no data found.

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

0

Database searched and no data found.

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

0

Database searched and no data found.

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

4

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

ID	Distance (m)	Direction	Ancient Woodland Name	Data Source
Not shown	1800	N	UNKNOWN	Ancient and Semi-Natural Woodland
Not shown	1908	SW	UNKNOWN	Ancient and Semi-Natural Woodland
Not shown	1938	SW	UNKNOWN	Ancient and Semi-Natural Woodland
Not shown	1974	W	UNKNOWN	Ancient and Semi-Natural Woodland

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

5

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

ID	Distance (m)	Direction	LNR Name	Data Source
Not shown	1109	N	Frays Valley	Natural England
Not shown	1113	N	Frays Valley	Natural England
Not shown	1525	N	Denham Country Park	Natural England
Not shown	1537	N	Denham Quarry Park	Natural England
Not shown	1933	N	Denham Quarry Park	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:

1

The following Nitrate Vulnerable Zone records produced by DEFRA are represented as polygons on the Designated Environmentally Sensitive Sites Map:

ID	Distance (m)	Direction	NVZ Name	Data Source
10	0	On Site	Existing	DEFRA

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

14

Green Belt data contains Ordnance Survey data © Crown copyright and database right [2015].

ID	Distance	Direction	Green Belt Name	Local Authority Name
15	290	NW	London Area Greenbelt	South Bucks District
16	486	N	London Area Greenbelt	Hillingdon London Borough
17	571	W	London Area Greenbelt	Hillingdon London Borough
18	648	NE	London Area Greenbelt	Hillingdon London Borough
19	849	SE	London Area Greenbelt	Hillingdon London Borough
Not shown	1109	N	London Area Greenbelt	Hillingdon London Borough
21	1235	SW	London Area Greenbelt	Hillingdon London Borough
22	1263	NE	London Area Greenbelt	Hillingdon London Borough
Not shown	1308	S	London Area Greenbelt	Hillingdon London Borough
24	1350	SE	London Area Greenbelt	Hillingdon London Borough
Not shown	1407	N	London Area Greenbelt	Hillingdon London Borough
Not shown	1658	NE	London Area Greenbelt	Hillingdon London Borough
Not shown	1735	SE	London Area Greenbelt	Hillingdon London Borough
Not shown	1899	NE	London Area Greenbelt	Hillingdon London Borough

9. Natural Hazards Findings

9.1 Detailed BGS GeoSure Data

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

9.1.1 Shrink Swell

What is the maximum Shrink-Swell*[*] hazard rating identified on the study site? Low

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

Hazard
Ground conditions predominantly medium plasticity. Do not plant trees with high soil moisture demands near to buildings. 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 possible increase in construction cost to reduce potential shrink-swell problems. For existing property, there is a possible increase in insurance risk, especially during droughts or where vegetation with high moisture demands is present.

9.1.2 Landslides

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

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

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

9.1.3 Soluble Rocks

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

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

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

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

9.1.4 Compressible Ground

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

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

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

9.1.5 Collapsible Rocks

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

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

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

9.1.6 Running Sand

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

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

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

9.2 Radon

9.2.1 Radon Affected Areas

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

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

9.2.2 Radon Protection

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

10. Mining

10.1 Coal Mining

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

Database searched and no data found.

10.2 Non-Coal Mining

Are there any Non-Coal Mining areas within 50m of the study site boundary? Yes

The following non-coal mining information is provided by the BGS:

Distance (m)	Direction	Name	Commodity	Assessment of likelihood
0.0	On Site	Not available	Chalk	Small scale underground mining may have occurred; mine adits, shafts and tunnels may be present. Potential for localised difficult ground conditions are at a level where they should be considered

Past underground mine workings are unlikely. The rock types present in these areas are such that mineral veins may be present on which it is possible that mining has been undertaken and/or it is possible that small scale underground extraction of other materials may have occurred. All such occurrences are likely to be of localised extent and infrequent. It should be noted, however, that there is always the possibility of the existence of other sub-surface excavations, such as wells, cess pits, follies, air raid shelters/bunkers and other military structures etc. that could affect surface ground stability but which are outside the scope of this dataset. However, if in a coalfield area you should still consider a Coal Authority mining search for the area of interest.

10.3 Brine Affected Areas

Are there any brine affected areas within 75m of the study site? No
Guidance: No Guidance Required.

Contact Details

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