
APPENDIX 02

Groundsure Report

Address: South Street, 10 South Street, Reading, RG1 4QS,

Date: 15 Oct 2018

Reference: EMS-506448_681500

Client: EmapSite

NW

N

NE

W

E



SW

S

SE

Aerial Photograph Capture date: 20-Apr-2015

Grid Reference: 471950,173081

Site Size: 0.01ha

Report Reference: EMS-506448_681500

Client Reference: EMS_506448_681500

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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	1	0	25	56
1.2 Additional Information – Historical Tank Database	0	0	22	74
1.3 Additional Information – Historical Energy Features Database	0	2	18	83
1.4 Additional Information – Historical Petrol and Fuel Site Database	0	0	0	2
1.5 Additional Information – Historical Garage and Motor Vehicle Repair Database	0	0	11	15
1.6 Historical military sites	0	0	0	0
1.7 Potentially Infilled Land	0	0	14	0
Section 2: Environmental Permits, Incidents and Registers	On-site	0-50m	51-250	251-500
2.1 Industrial Sites Holding Environmental Permits and/or Authorisations				
2.1.1 Records of historic IPC Authorisations	0	0	0	0
2.1.2 Records of Part A(1) and IPPC Authorised Activities	0	0	0	0
2.1.3 Records of Red List Discharge Consents	0	0	0	0
2.1.4 Records of List 1 Dangerous Substances Inventory sites	0	0	0	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	0	1
2.1.7 Records of Category 3 or 4 Radioactive Substances Authorisations	0	0	0	12
2.1.8 Records of Licensed Discharge Consents	0	0	0	16
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	9
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	3
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	1	2

Section 4: Current Land Use	On-site	0-50m	51-250	251-500
4.1 Current Industrial Sites Data	1	2	16	Not searched
4.2 Records of Petrol and Fuel Sites	0	0	0	1
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 Records of Artificial Ground and Made Ground present beneath the study site	None identified
5.2 Records of Superficial Ground and Drift Geology present beneath the study site	Identified
5.3 For records of Bedrock and Solid Geology beneath the study site see the detailed findings section.	

Section 6: Hydrogeology and Hydrology	0-500m					
6.1 Records of Strata Classification in the Superficial Geology within 500m of the study site	Identified					
6.2 Records of Strata Classification in the Bedrock Geology within 500m of the study site	Identified					
	On-site	0-50m	51-250	251-500	501-1000	1000-2000
6.3 Groundwater Abstraction Licences (within 2000m of the study site)	0	0	0	0	3	11
6.4 Surface Water Abstraction Licences (within 2000m of the study site)	0	0	0	2	0	4
6.5 Potable Water Abstraction Licences (within 2000m of the study site)	0	0	0	0	2	4
6.6 Source Protection Zones (within 500m of the study site)	0	0	0	1	Not searched	Not searched
6.7 Source Protection Zones within Confined Aquifer	0	0	0	0	Not searched	Not searched
6.8 Groundwater Vulnerability and Soil Leaching Potential (within 500m of the study site)	1	1	#250GWV #	#500GWV #	Not searched	Not searched

Section 6: Hydrogeology and Hydrology

0-500m

	On-site	0-50m	51-250	251-500	501-1000	1000-1500
6.9 Environment Agency/Natural Resources Wales information on river quality within 1500m of the study site	No	No	No	Yes	Yes	Yes
6.10 Ordnance Survey MasterMap Water Network entries within 500m of the site	0	0	12	32	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 Environment Agency Zone 2 floodplains within 250m of the study site	Identified					
7.2 Environment Agency/Natural Resources Wales Zone 3 floodplains within 250m of the study site	Identified					
7.3 Risk of flooding from Rivers and the Sea (RoFRaS) rating for the study site	Very Low					
7.4 Flood Defences within 250m of the study site	None identified					
7.5 Areas benefiting from Flood Defences within 250m of the study site	None identified					
7.6 Areas used for Flood Storage within 250m of the study site	None identified					
7.7 Maximum BGS Groundwater Flooding susceptibility within 50m of the study site	Potential at Surface					
7.8 BGS confidence rating for the Groundwater Flooding susceptibility areas	High					

Section 8: Designated Environmentally Sensitive Sites

	On-site	0-50m	51-250	251-500	501-1000	1000-2000
8.1 Records of Sites of Special Scientific Interest (SSSI)	0	0	0	0	0	0
8.2 Records of National Nature Reserves (NNR)	0	0	0	0	0	0
8.3 Records of Special Areas of Conservation (SAC)	0	0	0	0	0	0
8.4 Records of Special Protection Areas (SPA)	0	0	0	0	0	0
8.5 Records of Ramsar sites	0	0	0	0	0	0
8.6 Records of Ancient Woodlands	0	0	0	0	0	0
8.7 Records of Local Nature Reserves (LNR)	0	0	0	0	0	0
8.8 Records of World Heritage Sites	0	0	0	0	0	0
8.9 Records of Environmentally Sensitive Areas	0	0	0	0	0	0

Section 8: Designated Environmentally Sensitive Sites	On-site	0-50m	51-250	251-500	501-1000	1000-2000
8.10 Records of Areas of Outstanding Natural Beauty (AONB)	0	0	0	0	0	0
8.11 Records of National Parks	0	0	0	0	0	0
8.12 Records of Nitrate Sensitive Areas	0	0	0	0	0	0
8.13 Records of Nitrate Vulnerable Zones	0	0	0	0	1	2
8.14 Records of Green Belt land	0	0	0	0	0	0

Section 9: Natural Hazards	
9.1 Maximum risk of natural ground subsidence	High
9.1.1 Maximum Shrink-Swell hazard rating identified on the study site	Moderate
9.1.2 Maximum Landslides hazard rating identified on the study site	Very Low
9.1.3 Maximum Soluble Rocks hazard rating identified on the study site	High
9.1.4 Maximum Compressible Ground hazard rating identified on the study site	Negligible
9.1.5 Maximum Collapsible Rocks hazard rating identified on the study site	Very Low
9.1.6 Maximum Running Sand hazard rating identified on the study site	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 site is not in a Radon Affected Area, as less than 1% of properties are above the Action Level.
9.2.2 Is the property in an area where Radon Protection are required for new properties or extensions to existing ones as described in publication BR211 by the Building Research Establishment?	No radon protective measures are necessary.

Section 10: Mining	
10.1 Coal mining areas within 75m of the study site	None identified
10.2 Non-Coal Mining areas within 50m of the study site boundary	Identified
10.3 Brine affected areas within 75m of the study site	None identified

Using this report

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

1. Historical Industrial Sites

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

2. Environmental Permits, Incidents and Registers

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

3. Landfills and Other Waste Sites

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

4. Current Land Uses

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

5. Geology

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

6. Hydrogeology and Hydrology

Provides information on productive strata within the bedrock and superficial geological layers, abstraction licences, 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.

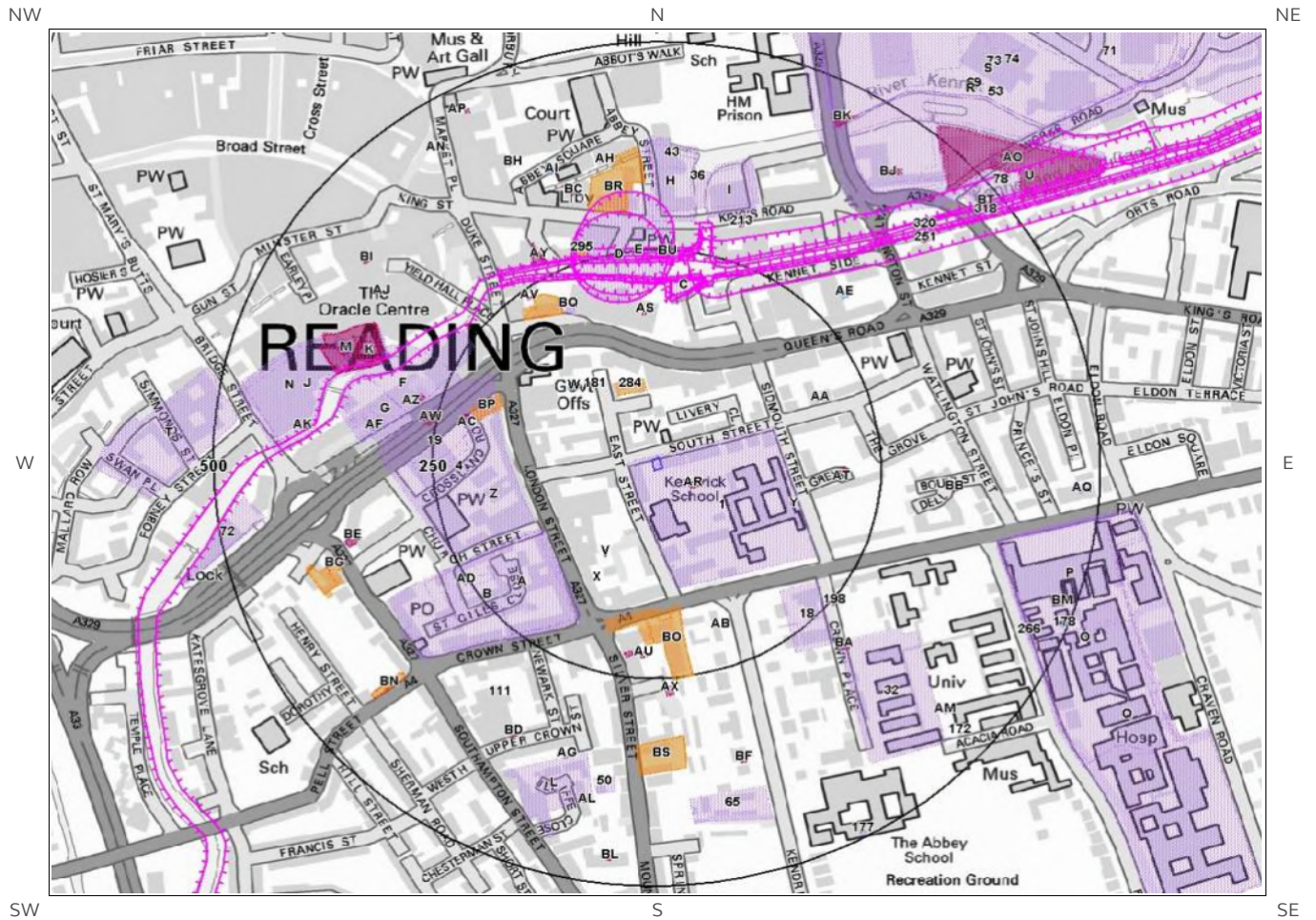
Note: Maps

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).

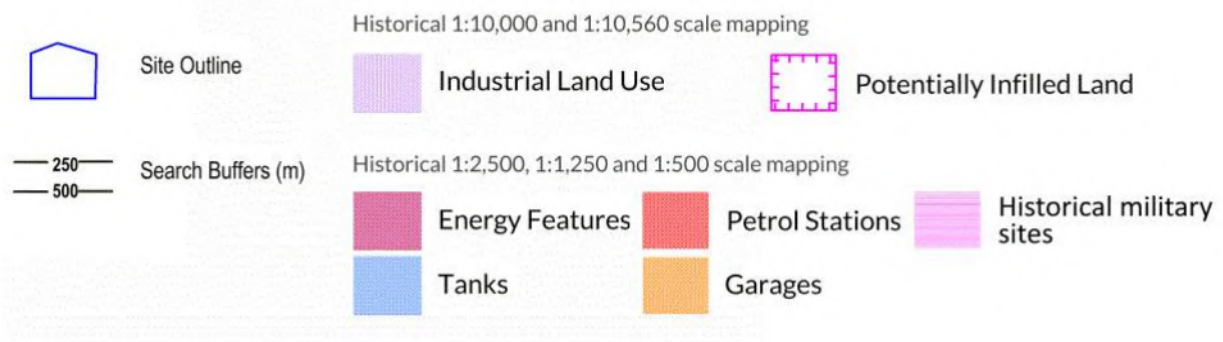
Where a feature is reported in the data tables to a distance greater than the map area, it is noted in the data table as "Not Shown".

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: 82

ID	Distance [m]	Direction	Use	Date
1	0	On Site	Biscuit Factory	1913
2A	145	SW	Tin Works	1933
3A	147	SW	Tin Works	1938
4	149	SW	Unspecified Factory	1977
5B	149	SW	Tin Works	1913
6B	149	SW	Tin Works	1938
7B	153	SW	Unspecified Commercial/Industrial	1989
8B	153	SW	Unspecified Works	1962
9B	153	SW	Unspecified Commercial/Industrial	1971
10B	153	SW	Unspecified Commercial/Industrial	1977
11C	189	N	Unspecified Wharf	1938
12D	191	N	Unspecified Wharf	1938
13C	192	N	Unspecified Disused Wharf	1933
14C	194	N	Unspecified Wharf	1938
15C	194	N	Unspecified Wharf	1938
16BQ	197	NW	Smithy	1913
17D	198	N	Unspecified Wharf	1994
18	199	SE	Nursery	1898
19	205	W	Unspecified Factory	1971
20AZ	210	W	Unspecified Mill	1898
21E	239	N	Unspecified Wharf	1938
22E	239	N	Unspecified Wharf	1938
23BU	240	N	Unspecified Wharf	1989
24F	243	NW	Unspecified Depot	1989
25F	243	NW	Unspecified Depot	1977
26F	243	NW	Unspecified Depot	1994
27G	284	W	Railway Sidings	1933
28G	284	W	Unspecified Commercial/Industrial	1933
29H	284	N	Sawmills	1938
30H	284	N	Sawmills	1913
31H	284	N	Sawmills	1898

32	289	SE	Nursery	1898
33I	294	N	Sawmills	1938
34I	294	N	Sawmills	1898
35I	294	N	Sawmills	1913
36	297	N	Sawmill	1938
37J	322	W	Brewery	1938
38J	322	W	Brewery	1913
39J	322	W	Unspecified Commercial/Industrial	1898
40J	326	NW	Brewery	1933
41K	333	W	Unspecified Tank	1913
42K	333	W	Unspecified Tank	1898
43	346	N	Sawmills	1933
44L	348	S	Unspecified Works	1989
45L	348	S	Unspecified Works	1977
46L	348	S	Unspecified Works	1994
47M	366	W	Unspecified Tank	1898
48M	368	W	Unspecified Tanks	1971
49M	368	W	Unspecified Tanks	1977
50	370	S	Smithy	1913
51N	372	W	Brewery	1977
52N	372	W	Brewery	1971
53	372	NE	Unspecified Factory	1962
54J	372	W	Brewery	1938
55R	391	NE	Biscuit Factory	1898
56Q	392	E	Hospital	1994
57O	393	E	Hospital	1962
58O	393	E	Hospital	1971
59P	393	E	Hospital	1913
60P	393	E	Hospital	1938
61P	393	E	Hospital	1898
62Q	393	E	Hospital	1977
63Q	393	E	Hospital	1989
64P	396	E	Hospital	1933
65	396	S	Nursery	1898
66O	397	E	Hospital	1938
67R	399	NE	Unspecified Factory	1977
68R	399	NE	Unspecified Factory	1971
69	405	NE	Biscuit Factory	1933
70S	441	NE	Biscuit Factory	1938
71	443	NE	Railway Sidings	1898
72	446	W	Hospitals	1898
73	447	NE	Railway Sidings	1913
74	447	NE	Railway Sidings	1938
75S	447	NE	Biscuit Factory	1913
76S	447	NE	Biscuit Factory	1938

77U	464	NE	Gas Works	1898
78	474	NE	Sawmills	1913
79T	475	W	Brewery	1977
80T	475	W	Brewery	1971
81U	477	NE	Unspecified Commercial/Industrial	1933
82U	477	NE	Unspecified Commercial/Industrial	1938

1.2 Additional Information – Historical Tank Database

The systematic analysis of data extracted from High Detailed 1:1,250 and 1:2,500 scale historical maps provides the following information.

Records of historical tanks within 500m of the search boundary:

96

ID	Distance (m)	Direction	Use	Date
83V	113	SW	Unspecified Tank	1968
84V	113	SW	Unspecified Tank	1982
85V	113	SW	Unspecified Tank	1969
86W	119	NW	Unspecified Tank	1957
87W	119	NW	Unspecified Tank	1958
88W	119	NW	Unspecified Tank	1956
89X	146	SW	Unspecified Tank	1979
90X	146	SW	Unspecified Tank	1982
91X	146	SW	Unspecified Tank	1982
92X	146	SW	Unspecified Tank	1969
93X	147	SW	Unspecified Tank	1968
94Y	154	E	Unspecified Tank	1989
95Y	155	E	Unspecified Tank	1991
96Z	183	W	Tanks	1968
97Z	183	W	Tanks	1962
98AA	193	E	Unspecified Tank	1879
99AA	193	E	Unspecified Tank	1879
100AB	200	S	Unspecified Tank	1879
101AB	200	S	Unspecified Tank	1879
102AT	202	E	Unspecified Tank	1991
103AC	211	W	Unspecified Tank	1979
104AC	212	W	Unspecified Tank	1968
105AD	251	SW	Unspecified Tank	1900
106AD	251	SW	Unspecified Tank	1912
107AE	283	NE	Tanks	1989
108AE	284	NE	Unspecified Tank	1991
109AF	317	W	Unspecified Tank	1879

110AF	318	W	Unspecified Tank	1900
111	321	SW	Unspecified Tank	1969
112M	324	W	Gas Works	1879
113K	325	W	Tanks	1979
114M	325	W	Gas Works	1879
115M	325	W	Gas Works	1879
116M	325	W	Gas Works	1912
117M	325	W	Gas Works	1900
118K	327	W	Tanks	1968
119K	327	W	Tanks	1962
120K	333	NW	Tanks	1979
121K	334	NW	Tanks	1957
122K	334	NW	Tanks	1958
123K	334	NW	Tanks	1962
124K	334	NW	Tanks	1956
125K	334	NW	Tanks	1968
126K	335	W	Gasometer	1879
127K	336	W	Gasometer	1912
128K	336	W	Gasometer	1900
129K	337	W	Gasometer	1879
130K	337	W	Gasometer	1879
131M	355	W	Unspecified Tank	1957
132M	355	W	Unspecified Tank	1958
133M	355	W	Unspecified Tank	1956
134AG	356	S	Unspecified Tank	1968
135AG	356	S	Unspecified Tank	1979
136AG	356	S	Unspecified Tank	1982
137AG	357	S	Unspecified Tank	1969
138AG	357	S	Unspecified Tank	1982
139AH	360	N	Unspecified Tank	1979
140AH	360	N	Unspecified Tank	1988
141AH	360	N	Unspecified Tank	1968
142AH	360	N	Unspecified Tank	1988
143AI	361	N	Unspecified Tank	1988
144AH	361	N	Unspecified Tank	1997
145AI	363	N	Unspecified Tank	1997
146M	364	W	Tanks	1979
147M	365	W	Tanks	1962
148M	365	W	Tanks	1956
149M	365	W	Tanks	1968
150M	365	W	Tanks	1957
151M	365	W	Tanks	1958
152AJ	366	NW	Tanks	1879
153AJ	366	NW	Tanks	1879
154M	368	W	Gasometer	1879
155M	369	W	Gasometer	1879

156M	369	W	Gasometer	1879
157M	369	W	Gasometer	1900
158AK	400	W	Tank or Trough	1879
159AK	401	W	Tank or Trough	1879
160AK	401	W	Tank or Trough	1879
161AL	404	S	Unspecified Tank	1982
162AL	405	S	Unspecified Tank	1982
163AM	433	SE	Unspecified Tank	1900
164AM	433	SE	Unspecified Tank	1912
165AM	435	SE	Unspecified Tank	1879
166AM	435	SE	Unspecified Tank	1879
167AN	446	NW	Tank or Trough	1879
168AN	446	NW	Tank or Trough	1879
169AO	462	NE	Gas Works	1879
170AO	462	NE	Gas Works	1879
171AO	463	NE	Gas Works	1879
172	463	SE	Unspecified Tank	1912
173AP	473	NW	Pump and Tank	1879
174AP	473	NW	Pump and Tank	1879
175AQ	477	E	Unspecified Tank	1931
176AQ	477	E	Unspecified Tank	1912
177	490	SE	Unspecified Tank	1993
178	492	SE	Tanks	1968

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:

103

ID	Distance (m)	Direction	Use	Date
179AR	36	SE	Electricity Substation	1997
180AR	37	SE	Electricity Substation	1988
181	107	NW	Electricity Substation	1997
182V	113	SW	Electricity Substation	1979
183AS	173	N	Electricity Substation	1968
184AS	173	N	Electricity Substation	1988
185AS	173	N	Electricity Substation	1979
186AT	204	E	Electricity Substation	1989
187AT	205	E	Electricity Substation	1991
188AC	213	W	Electricity Substation	1988
189AC	214	W	Electricity Substation	1997
190AC	215	W	Electricity Substation	1988

191AU	218	S	Electricity Substation	1982
192AU	218	S	Electricity Substation	1968
193AU	218	S	Electricity Substation	1982
194AU	218	S	Electricity Substation	1979
195AU	218	S	Electricity Substation	1969
196AV	237	NW	Electricity Substation	1988
197AV	237	NW	Electricity Substation	1997
198	250	SE	Electricity Substation	1993
199AW	251	W	Electricity Substation	1979
200AW	252	W	Electricity Substation	1968
201AX	259	S	Electricity Substation	1968
202AX	259	S	Electricity Substation	1982
203AX	259	S	Electricity Substation	1969
204AX	260	S	Electricity Substation	1979
205AX	260	S	Electricity Substation	1982
206AY	264	NW	Electricity Substation	1997
207AY	264	NW	Electricity Substation	1988
208AY	265	NW	Electricity Substation	1988
209AZ	269	W	Electricity Substation	1979
210AZ	269	W	Electricity Substation	1988
211AZ	269	W	Electricity Substation	1997
212AZ	270	W	Electricity Substation	1988
213	292	N	Electricity Substation	1971
214BA	294	SE	Electricity Substation	1993
215BA	299	SE	Electricity Substation	1968
216M	324	W	Gas Works	1879
217M	325	W	Gas Works	1879
218M	325	W	Gas Works	1879
219M	325	W	Gas Works	1912
220M	325	W	Gas Works	1900
221BC	330	N	Electricity Substation	1979
222BB	330	E	Electricity Substation	1971
223BB	330	E	Electricity Substation	1991
224BC	331	N	Electricity Substation	1968
225K	335	W	Gasometer	1879
226K	336	W	Gasometer	1912
227K	336	W	Gasometer	1900
228K	337	W	Gasometer	1879
229K	337	W	Gasometer	1879
230BC	339	N	Electricity Substation	1988
231BC	339	N	Electricity Substation	1988
232BC	340	N	Electricity Substation	1997
233BE	343	W	Electricity Substation	1982
234BD	351	SW	Electricity Substation	1968
235BD	351	SW	Electricity Substation	1969
236BE	355	W	Electricity Substation	1982

237BF	362	S	Electricity Substation	1993
238BF	363	S	Electricity Substation	1968
239M	366	NW	Electricity Substation	1979
240M	367	NW	Electricity Substation	1968
241M	368	W	Gasometer	1879
242M	369	W	Gasometer	1879
243M	369	W	Gasometer	1879
244M	369	W	Gasometer	1900
245BG	374	W	Electricity Substation	1982
246BG	385	W	Electricity Substation	1982
247BG	385	W	Electricity Substation	1979
248BH	387	NW	Electricity Substation	1988
249BH	387	NW	Electricity Substation	1988
250BH	388	NW	Electricity Substation	1997
251	396	NE	Electricity Substation	1971
252BI	400	NW	Electricity Substation	1988
253BI	400	NW	Electricity Substation	1979
254BI	401	NW	Electricity Substation	1997
255BI	401	NW	Electricity Substation	1968
256BI	401	NW	Electricity Substation	1988
257BJ	427	NE	Electricity Substation	1989
258BJ	428	NE	Electricity Substations	1991
259BJ	428	NE	Electricity Substation	1956
260BJ	428	NE	Electricity Substation	1971
261BJ	430	NE	Electricity Substation	1956
262BK	447	NE	Electricity Substation	1989
263BK	447	NE	Electricity Substation	1971
264BK	447	NE	Electricity Substation	1956
265BK	447	NE	Electricity Substation	1956
266	461	SE	Electricity Substation	1968
267AO	462	NE	Gas Works	1879
268AO	462	NE	Gas Works	1879
269AO	463	NE	Gas Works	1879
270BL	466	S	Electricity Substation	1968
271AP	466	NW	Electricity Substation	1993
272AP	467	NW	Electricity Substation	1986
273AP	467	NW	Electricity Substation	1979
274AP	467	NW	Electricity Substation	1988
275AP	467	NW	Electricity Substation	1988
276BL	467	S	Electricity Substation	1982
277BL	467	S	Electricity Substation	1979
278BL	467	S	Electricity Substation	1969
279BL	467	S	Electricity Substation	1982
280BM	483	E	Electricity Substation	1993
281BM	483	E	Electricity Substation	1968

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:

2

ID	Distance (m)	Direction	Use	Date
282BN	376	SW	Filling Station	1968
283BN	376	SW	Filling Station	1969

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:

26

ID	Distance (m)	Direction	Use	Date
284	82	N	Garage	1988
285BO	166	S	Garage	1959
286BO	166	S	Garage	1957
287BO	168	S	Garage	1957
288BP	182	W	Police Garage	1968
289BP	182	W	Police Garage	1979
290BQ	202	NW	Garage	1957
291BQ	202	NW	Garage	1958
292BQ	202	NW	Garage	1962
293BQ	202	NW	Garage	1956
294BQ	203	NW	Garage	1968
295	257	N	Garage	1968
296BR	296	N	Garage	1956
297BR	296	N	Garage	1957
298BR	296	N	Garage	1958
299BR	299	N	Garage	1962
300BR	299	N	Garage	1968
301BS	320	S	Garage	1957
302BS	321	S	Garage	1957
303BS	321	S	Garage	1959
304BG	374	W	Garage	1959
305BG	374	W	Garage	1957
306BN	376	SW	Garage	1959

307BN	376	SW	Garage	1957
308BG	387	W	Garage	1957
309BN	389	SW	Garage	1957

1.6 Historical military sites

Certain military installations were not noted on historic mapping for security reasons. Whilst not all military land is necessarily of concern, Groundsure has researched and digitised a number of Ordnance Factories and other military industrial features (e.g. Ordnance Depots, Munitions Testing Grounds) which may be of contaminative concern. This research was drawn from a number of different sources, and should not be regarded as a definitive or exhaustive database of potentially contaminative military installations. The boundaries of sites within this database have been estimated from the best evidence available to Groundsure at the time of compilation.

Records of historical military sites within 500m of the search boundary: 0

Database searched and no data found.

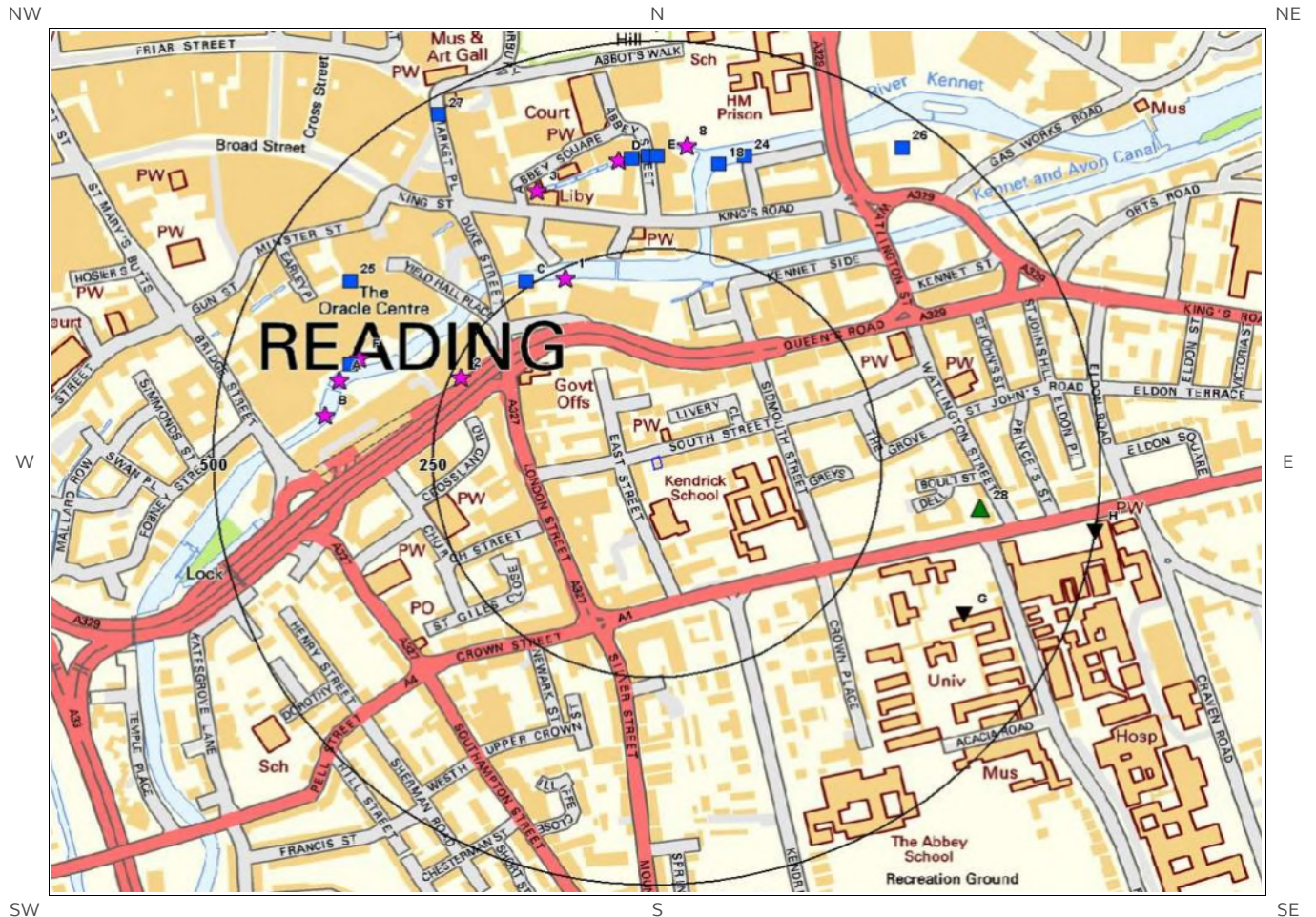
1.7 Potentially Infilled Land

Records of Potentially Infilled Features from 1:10,000 scale mapping within 500m of the study site: 14

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

ID	Distance(m)	Direction	Use	Date
310C	189	N	Unspecified Wharf	1938
311D	191	N	Unspecified Wharf	1938
312C	192	N	Unspecified Disused Wharf	1933
313C	194	N	Unspecified Wharf	1938
314C	194	N	Unspecified Wharf	1938
315D	198	N	Unspecified Wharf	1994
316BT	201	N	Canal	1994
317BT	201	N	Canal	1989
318	211	N	Canal	1938
319	214	N	Canal	1938
320	216	N	Canal	1933
321D	239	N	Unspecified Wharf	1938
322D	239	N	Unspecified Wharf	1938
323BU	240	N	Unspecified Wharf	1989

2. Environmental Permits, Incidents and Registers Map



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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:

1

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
28	366	E	472318 173025	Address: St Albans Operating Company Limited, formerly Murco Petroleum Limited, Reading Service Station, 69 London Road, Reading, RG1 5BW Process: Unloading of Petrol into Storage at Service Stations Status: Current Permit Permit Type: Part B Enforcement: No Enforcements Notified Date of Enforcement: No Enforcements Notified Comment: No Enforcements Notified

2.1.7 Records of Category 3 or 4 Radioactive Substances Authorisations:

12

The following RAS Licence (3 or 4) records are represented as points on the Environmental Permits, Incidents and Registers Map:

ID	Distance (m)	Direction	NGR	Address	Operator	Type	Permission Number	Dates	Status
41G	386	SE	472300 172900	Wyeth Research (uk) Ltd, The University Of Reading, London Road, Reading, Berkshire, RG1 5AQ	Wyeth Research (uk) Ltd	Disposal Of Radioactive Waste (was Rsa60 Section 6).	AK1304	Date of Approval:1/12 /1993 Effective from:29/12/1993 Last date of update:2015-01-01	Revoked/cancelled
42G	386	SE	472300 172900	University Of Reading, London Road, Reading, Berkshire, RG6 2AF	University Of Reading	Disposal Of Radioactive Waste (was Rsa60 Section 6).	AD6897	Date of Approval:31/3 /1991 Effective from:31/3/1991 Last date of update:2015-01-01	Revoked/cancelled
43H	500	E	472450 173000	Royal Berkshire Nhs Foundation Trust, Medical Physics Dept, Royal Berkshire Hospital, London Road, Reading, Berkshire, RG1 5AN	Royal Berkshire Nhs Foundation Trust	Disposal Of Radioactive Waste (was Rsa60 Section 6).	AB4362	Date of Approval:6/9/2006 Effective from:6/9/2006 Last date of update:2015-01-01	Effective

ID	Distance (m)	Direction	NGR	Address	Operator	Type	Permission Number	Dates	Status
44H	500	E	472450 173000	Royal Berkshire Nhs Foundation Trust, Medical Physics Dept,royal Berkshire Hospital,london Road, Reading, Berkshire, RG1 5AN	Royal Berkshire Nhs Foundation Trust	Keeping And Use Of Radioactive Materials (was Rsa60 Section 1).	AJ2089	Date of Approval:12/10/2004 Effective from:12/10/2004 Last date of update:2015-01-01	Superseded By Variation
45H	500	E	472450 173000	Royal Berkshire Nhs Foundation Trust, Medical Physics Dept, Royal Berkshire Hospital, London Road, Reading, Berkshire, RG1 5AN	Royal Berkshire Nhs Foundation Trust	Disposal Of Radioactive Waste (was Rsa60 Section 6).	AB4362	Date of Approval:12/10/2004 Effective from:9/11/2004 Last date of update:2015-01-01	Superseded By Variation
46H	500	E	472450 173000	Royal Berkshire Nhs Foundation Trust, Medical Physics Dept, Royal Berkshire Hospital, London Road, Reading, Berkshire, RG1 5AN	Royal Berkshire Nhs Foundation Trust	Disposal Of Radioactive Waste (was Rsa60 Section 6).	AB4362	Date of Approval:1/7/1992 Effective from:31/7/1992 Last date of update:2015-01-01	Superseded By Variation
47H	500	E	472450 173000	Royal Berkshire Nhs Foundation Trust, Medical Physics Dept,royal Berkshire Hospital,london Road, Reading, Berkshire, RG1 5AN	Royal Berkshire Nhs Foundation Trust	Keeping And Use Of Radioactive Materials (was Rsa60 Section 1).	AJ2089	Date of Approval:24/10/2001 Effective from:25/10/2001 Last date of update:2015-01-01	Superseded By Variation
48H	500	E	472450 173000	Royal Berkshire Nhs Foundation Trust, Medical Physics Dept,royal Berkshire Hospital,london Road, Reading, Berkshire, RG1 5AN	Royal Berkshire Nhs Foundation Trust	Keeping And Use Of Radioactive Materials (was Rsa60 Section 1).	AJ2089	Date of Approval:6/9/2006 Effective from:6/9/2006 Last date of update:2015-01-01	Effective
49H	500	E	472450 173000	Royal Berkshire Nhs Foundation Trust, Medical Physics Dept, Royal Berkshire Hospital, London Road, Reading, Berkshire, RG1 5AN	Royal Berkshire Nhs Foundation Trust	Disposal Of Radioactive Waste (was Rsa60 Section 6).	AB4362	Date of Approval:16/5/2002 Effective from:11/6/2002 Last date of update:2015-01-01	Superseded By Variation
50H	500	E	472450 173000	Royal Berkshire Nhs Foundation Trust, Medical Physics Dept, Royal Berkshire Hospital, London Road, Reading, Berkshire, RG1 5AN	Royal Berkshire Nhs Foundation Trust	Disposal Of Radioactive Waste (was Rsa60 Section 6).	AB4362	Date of Approval:24/8/1995 Effective from:21/9/1995 Last date of update:2015-01-01	Superseded By Variation

ID	Distance (m)	Direction	NGR	Address	Operator	Type	Permission Number	Dates	Status
51H	500	E	472450 173000	Royal Berkshire Nhs Foundation Trust, Medical Physics Dept, Royal Berkshire Hospital, London Road, Reading, Berkshire, RG1 5AN	Royal Berkshire Nhs Foundation Trust	Disposal Of Radioactive Waste (was Rsa60 Section 6).	AB4362	Date of Approval:17/8 /1994 Effective from:14/9/1994 Last date of update:2015-01-01	Superseded By Variation
52H	500	E	472450 173000	Royal Berkshire Nhs Foundation Trust, Medical Physics Dept, Royal Berkshire Hospital, London Road, Reading, Berkshire, RG1 5AN	Royal Berkshire Nhs Foundation Trust	Disposal Of Radioactive Waste (was Rsa60 Section 6).	AB4362	Date of Approval:1/12 /2003 Effective from:1/1/2004 Last date of update:2015-01-01	Superseded By Variation

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

16

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

ID	Distance (m)	Direction	NGR	Details
12C	257	NW	471800 173300	Address: PREMISES, KINGS RD, READING, BERKS, PREMISES, KINGS RD, READING, BER, KS Effluent Type: TRADE DISCHARGES - COOLING WATER Permit Number: CTCP.0298 Permit Version: 1 Receiving Water: R KENNET Status: REVOKED - UNSPECIFIED Issue date: 12/02/1964 Effective Date: 12-Feb-1964 Revocation Date: 04/02/1986
13C	257	NW	471800 173300	Address: PREMISES, KINGS RD, READING, BERKS, PREMISES, KINGS RD, READING, BER, KS Effluent Type: TRADE DISCHARGES - COOLING WATER Permit Number: CTCP.0295 Permit Version: 1 Receiving Water: R KENNET Status: REVOKED - UNSPECIFIED Issue date: 12/02/1964 Effective Date: 12-Feb-1964 Revocation Date: 04/02/1986
14C	257	NW	471800 173300	Address: PREMISES, KINGS RD, READING, BERKS, PREMISES, KINGS RD, READING, BER, KS Effluent Type: TRADE DISCHARGES - COOLING WATER Permit Number: CTCP.0296 Permit Version: 1 Receiving Water: R KENNET Status: REVOKED - UNSPECIFIED Issue date: 12/02/1964 Effective Date: 12-Feb-1964 Revocation Date: 04/02/1986
15C	257	NW	471800 173300	Address: FACTORY AT READING, BERKS, FACTORY AT READING, BERKS Effluent Type: TRADE DISCHARGES - COOLING WATER Permit Number: CTR.0508 Permit Version: 1 Receiving Water: KENNET Status: REVOKED - UNSPECIFIED Issue date: 22/03/1962 Effective Date: 22-Mar-1962 Revocation Date: 03/04/1987
16C	257	NW	471800 173300	Address: PREMISES, KINGS RD, READING, BERKS, PREMISES, KINGS RD, READING, BER, KS Effluent Type: TRADE DISCHARGES - COOLING WATER Receiving Water: R KENNET Status: REVOKED - UNSPECIFIED Issue date: 12/02/1964 Effective Date: 12-Feb-1964 Revocation Date: 04/02/1986

ID	Distance (m)	Direction	NGR	Details	
Permit Number: CTCP.0299 Permit Version: 1					
17C	257	NW	471800 173300	Address: PREMISES, KINGS RD, READING, BERKS, PREMISES, KINGS RD, READING, BER, KS Effluent Type: TRADE DISCHARGES - COOLING WATER Permit Number: CTCP.0297 Permit Version: 1	Receiving Water: R KENNET Status: REVOKED - UNSPECIFIED Issue date: 12/02/1964 Effective Date: 12-Feb-1964 Revocation Date: 04/02/1986
18	358	N	472020 173440	Address: ABBEY GARDEN DEVELOPMENT, PHASE III, ABBEY GARDEN DEVELOPMENT, PHASE, III, READING, BERKS Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: CTWC.2738 Permit Version: 1	Receiving Water: RIVER KENNET Status: REVOKED - UNSPECIFIED Issue date: 15/08/1988 Effective Date: 15-Aug-1988 Revocation Date: 25/02/1991
19D	360	N	471920 173447	Address: DEWATERING WORKS SERV KINGS HOUSE, KINGS HOUSE, 33 KINGS ROAD, READING, BERKSHIRE, RG1 3BU Effluent Type: TRADE DISCHARGES - SITE DRAINAGE Permit Number: EPRDB3097AL Permit Version: 1	Receiving Water: HOLY BROOK Status: SURRENDERED UNDER EPR 2010 Issue date: 07/10/2015 Effective Date: 07-Oct-2015 Revocation Date: 21/02/2017
20E	361	N	471950 173450	Address: THE ABBEY GARDENS DEVELOPMENT, PHAS, THE ABBEY GARDENS DEVELOPMENT, P, HASE II, READING BERKS Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: CTWC.0564 Permit Version: 1	Receiving Water: HOLY BROOK Status: REVOKED - UNSPECIFIED Issue date: 20/01/1986 Effective Date: 20-Jan-1986 Revocation Date: 11/07/1997
21E	361	N	471950 173450	Address: THE ABBEY GARDENS DEVELOPMENT, PHAS, THE ABBEY GARDENS DEVELOPMENT, P, HASE II, READING BERKS Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: CTWC.0563 Permit Version: 1	Receiving Water: HOLY BROOK Status: REVOKED - UNSPECIFIED Issue date: 20/01/1986 Effective Date: 20-Jan-1986 Revocation Date: 05/09/1997
22E	361	N	471940 173450	Address: ABBEY GARDENS, PHASE 1, READING, BE, ABBEY GARDENS, PHASE 1, READING,, BERKS Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: CTWC.0662 Permit Version: 1	Receiving Water: THE HOLY BROOK Status: REVOKED - UNSPECIFIED Issue date: 11/02/1986 Effective Date: 11-Feb-1986 Revocation Date: 19/03/1991
23F	362	W	471600 173200	Address: THE BREWERY, READING, BERKS, THE BREWERY, READING, BERKS Effluent Type: TRADE DISCHARGES - COOLING WATER Permit Number: CTCR.0211 Permit Version: 1	Receiving Water: KENNET Status: REVOKED - UNSPECIFIED Issue date: 19/12/1955 Effective Date: 19-Dec-1955 Revocation Date: 12/06/1990
24	374	N	472050 173450	Address: BLAKES COTTAGES, READING, BLAKES COTTAGES, READING Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: CTWC.0514 Permit Version: 1	Receiving Water: RIVER KENNET Status: REVOKED - UNSPECIFIED Issue date: 19/11/1985 Effective Date: 19-Nov-1985 Revocation Date: 25/04/1991
25	404	NW	471600 173300	Address: 17/23 KING STREET, READING, BERKSHI, 17/23 KING STREET, READING, BERK, SHIRE Effluent Type: MISCELLANEOUS DISCHARGES - UNSPECIFIED Permit Number: CTWC.3315	Receiving Water: HOLY BROOK Status: REVOKED - UNSPECIFIED Issue date: 12/06/1989 Effective Date: 12-Jun-1989 Revocation Date: 27/06/1991

ID	Distance (m)	Direction	NGR	Details
Permit Version: 1				
26	463	NE	472230 173460	Address: NABISCO BRANDS LTD. KINGS ROAD READ, NABISCO BRANDS LTD. KINGS ROAD R, EADING Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: CTWC.0435 Permit Version: 1 Receiving Water: RIVER KENNET Status: REVOKED - UNSPECIFIED Issue date: 18/10/1985 Effective Date: 18-Oct-1985 Revocation Date: 08/05/1991
27	480	NW	471700 173500	Address: FACTORY PREMISES, KINGS ROAD, READI, FACTORY PREMISES, KINGS ROAD, RE, ADING, BERKS Effluent Type: TRADE DISCHARGES - COOLING WATER Permit Number: CTCP.0294 Permit Version: 1 Receiving Water: R KENNET Status: REVOKED - UNSPECIFIED Issue date: 12/02/1964 Effective Date: 12-Feb-1964 Revocation Date: 04/02/1986

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:

11

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	238	NW	471845	Incident Date: 18-Jun-2003 Water Impact: Category 3 (Minor)

ID	Distance (m)	Direction	NGR	Details	
			173303	Incident Identification: 166999 Pollutant: Sewage Materials Pollutant Description: Crude Sewage	Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
2	239	NW	471725 173184	Incident Date: 11-Oct-2003 Incident Identification: 195650 Pollutant: Sewage Materials Pollutant Description: Crude Sewage	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
3	347	N	471812 173408	Incident Date: 28-Jun-2005 Incident Identification: 324802 Pollutant: Oils and Fuel Pollutant Description: Diesel	Water Impact: Category 2 (Significant) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
4F	356	W	471609 173207	Incident Date: 19-Aug-2001 Incident Identification: 25215 Pollutant: Organic Chemicals/Products Pollutant Description: Hydrocarbons	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
5D	359	N	471905 173445	Incident Date: 15-Jul-2002 Incident Identification: 91618 Pollutant: Specific Waste Materials Pollutant Description: Other Specific Waste Material	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
6A	369	W	471587 173181	Incident Date: 04-Oct-2001 Incident Identification: 34522 Pollutant: Oils and Fuel Pollutant Description: Diesel	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
7A	369	W	471587 173181	Incident Date: 04-Oct-2001 Incident Identification: 34522 Pollutant: Oils and Fuel Pollutant Description: Diesel	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
8	375	N	471983 173463	Incident Date: 21-May-2003 Incident Identification: 159849 Pollutant: Pollutant Not Identified Pollutant Description: Not Identified	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
9B	377	W	471570 173139	Incident Date: 17-Aug-2001 Incident Identification: 24937 Pollutant: Pollutant Not Identified Pollutant Description: Not Identified	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
10B	377	W	471570 173139	Incident Date: 17-Aug-2001 Incident Identification: 24937 Pollutant: Organic Chemicals/Products Pollutant Description: Solvents	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
11B	377	W	471570 173139	Incident Date: 17-Aug-2001 Incident Identification: 24937 Pollutant: Organic Chemicals/Products:Pollutant Not Identified Pollutant Description: Solvents:Not Identified	Water Impact: Category 3 (Minor) 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

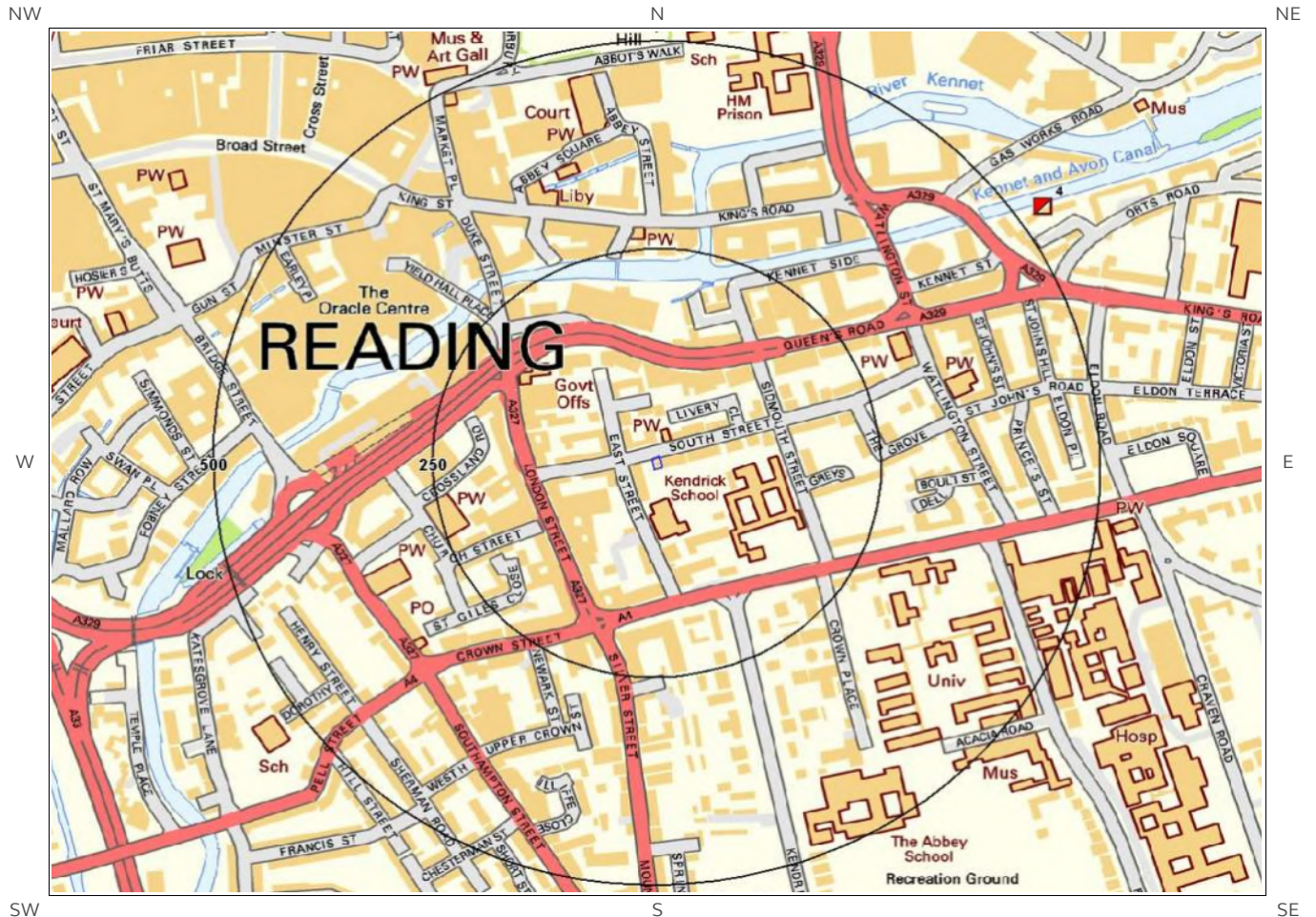
Database searched and no data found.

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

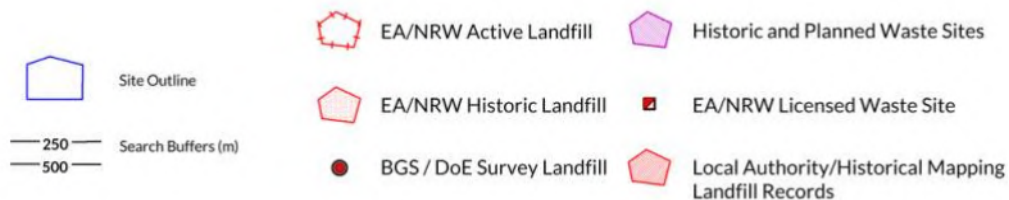
Records of sites determined as contaminated land under Section 78R of the Environmental Protection Act 1990 are there within 500m of the study site 0

Database searched and no data found.

3. Landfill and Other Waste Sites Map



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3. Landfill and Other Waste Sites

3.1 Landfill Sites

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

0

Database searched and no data found.

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

3

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	1075	NE		Site Address: Napier Road, Reading, Berkshire Waste Licence: - Site Reference: TP0266, RDG3 Waste Type: Inert, Industrial Environmental Permitting Regulations (Waste) Reference: - Licence Issue: Licence Surrendered: Licence Holder Address: - Operator: - Licence Holder: - First Recorded: - Last Recorded: -
Not shown	1083	SW		Site Address: Waterloo Meadows, Reading, Berkshire Waste Licence: - Site Reference: TP0154, RDG8 Waste Type: Inert, Industrial Environmental Permitting Regulations (Waste) Reference: - Licence Issue: Licence Surrendered: Licence Holder Address: - Operator: - Licence Holder: - First Recorded: - Last Recorded: -
Not shown	1415	NE		Site Address: Deans Farm, Redlands Pit, Reading, Caversham, Berkshire Waste Licence: Yes Site Reference: - Waste Type: - Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 01-Jun-1992 Licence Surrendered: 13-Apr-2010 Licence Holder Address: Howbery Park, Wallingford, Oxfordshire Operator: Deans Farm Licence Holder: Deans Farm 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:

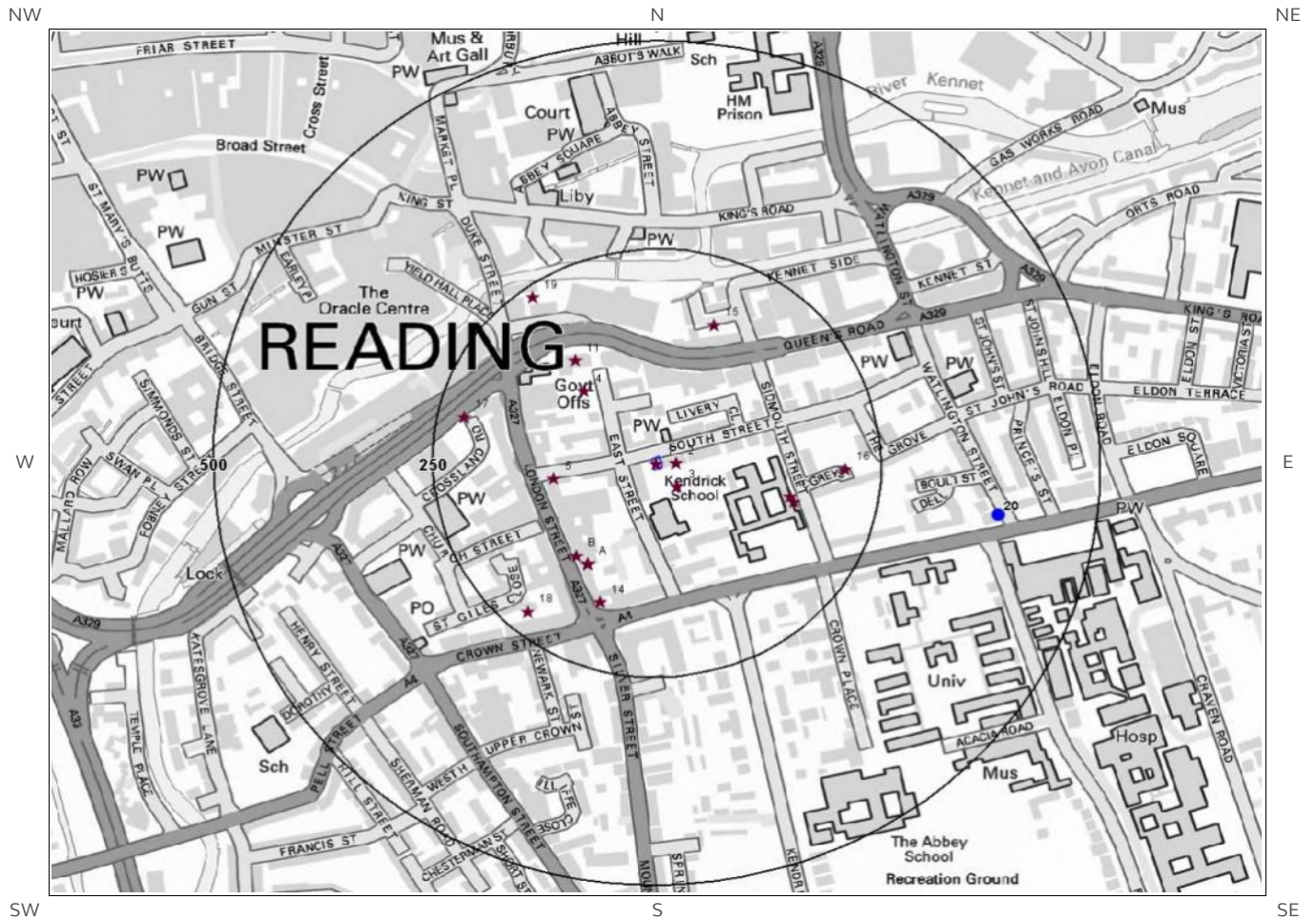
3

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
4	531	NE	472390 173390	Site Address: Omega Park, Alton, Hampshire, GU34 2QE Type: Household, Commercial & Industrial Waste T Stn Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: HOP003 EPR reference: - Operator: Hopkins Recycling Ltd Waste Management licence No: 83406 Annual Tonnage: 4910.0 Issue Date: 15/10/2002 Effective Date: - Modified: 17/12/2004 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified Site Name: Alton House Waste Recycling Centre Correspondence Address: Hopkins Recycling Limited, Unit 10, Bridge Farm, Curbridge, Botley, Southampton, Hampshire, SO30 2HB
Not shown	1341	NE	472833 174100	Site Address: Environment Agency West Area_____, Deans Farm, Redlands Pit, Caversham, Reading, Berks, RG4 5JZ Type: Landfill taking other wastes Size: >= 25000 tonnes < 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: EAW001 EPR reference: - Operator: Environment Agency Waste Management licence No: 86148 Annual Tonnage: 400.0 Issue Date: 01/06/1992 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Closure Site Name: Deans Farm Correspondence Address: Environment Agency, Isis House, Howbery Park, Wallingford, Oxon, OX10 8BD

ID	Distance (m)	Direction	NGR	Details
Not shown	1341	NE	472833 174100	Site Address: Environment Agency West Area_____, Deans Farm, Redlands Pit, Caversham, Reading, Berkshire, RG4 5JZ Type: Landfill taking other wastes Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: EAW001 EPR reference: EA/EPR/CP3494LR/S001 Operator: Environment Agency Waste Management licence No: 86148 Annual Tonnage: 0.0 Issue Date: 01/06/1992 Effective Date: - Modified: - Surrendered Date: 13/04/2010 Expiry Date: - Cancelled Date: - Status: Surrendered Site Name: Deans Farm Correspondence Address: -

4. Current Land Use Map



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Site Outline

★ Current Industrial Sites

— Electricity Transmission Cables

— 250 — Search Buffers (m)
— 500 —

● Petrol & Fuel Sites

— Gas Transmission Pipelines

4. Current Land Uses

4.1 Current Industrial Data

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

19

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	Specialised Steelwork Ltd	471949 173081	10 Southern Court, South Street, Reading, RG1 4QS	Metalworkers Including Blacksmiths	Construction Services
2	17	E	Garnet Publishing & Education	471971 173081	8 Southern Court, South Street, Reading, RG1 4QS	Published Goods	Industrial Products
3	28	SE	Electricity Sub Station	471972 173053	RG1	Electrical Features	Infrastructure and Facilities
4	112	NW	Electricity Sub Station	471866 173168	RG1	Electrical Features	Infrastructure and Facilities
5	114	W	printing.com	471832 173063	67, London Street, Reading, RG1 4QA	Published Goods	Industrial Products
6A	136	SW	My River Cruising Ltd	471871 172960	105, London Street, Reading, RG1 4QD	Boat Hiring Services	Hire Services
7A	136	SW	R D Refrigeration	471871 172960	105, London Street, Reading, RG1 4QD	Construction Completion Services	Construction Services
8A	136	SW	Cablecom	471871 172960	105, London Street, Reading, RG1 4QD	Cable, Wire and Fibre Optics	Industrial Products
9B	136	SW	Vaponics Ltd	471858 172970	99, London Street, Reading, RG1 4QA	Air and Water Filtration	Industrial Products
10B	136	SW	Mail Boxes Etc (UK) Ltd	471871 172960	105, London Street, Reading, RG1 4QD	Published Goods	Industrial Products
11	147	NW	Capita Medical Reporting	471857 173205	1 New Century Place, East Street, Reading, RG1 4ET	Medical Equipment, Supplies and Pharmaceuticals	Industrial Products
12C	150	E	Chimney	472102 173041	RG1	Chimneys	Industrial Features
13C	155	E	Tank	472106 173035	RG1	Tanks (Generic)	Industrial Features
14	171	S	Miraj Computers	471884 172914	123, London Street, Reading, RG1 4QA	Electrical Equipment Repair and Servicing	Repair and Servicing
15	171	N	Electricity Sub Station	472015 173248	RG1	Electrical Features	Infrastructure and Facilities
16	208	E	Electricity Sub Station	472164 173074	RG1	Electrical Features	Infrastructure and Facilities
17	219	W	Electricity Sub Station	471730 173137	RG1	Electrical Features	Infrastructure and Facilities
18	224	SW	Electricity Sub Station	471802 172903	RG1	Electrical Features	Infrastructure and Facilities
19	237	NW	Electricity	471808	RG1	Electrical Features	Infrastructure and

ID	Distance (m)	Direction	Company	NGR	Address	Activity	Category
			Sub Station	173281			Facilities

4.2 Petrol and Fuel Sites

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

1

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

ID	Distance (m)	Direction	NGR	Company	Address	LPG	Status
20	387	E	472339 173018	BP	69, London Road, Watlington Street, Reading, Reading, RG1 5BW	No	Open

4.3 National Grid High Voltage Underground Electricity Transmission Cables

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

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

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
TPGR-XSV	TAPLOW GRAVEL MEMBER	SAND AND GRAVEL

5.3 Bedrock and Solid Geology

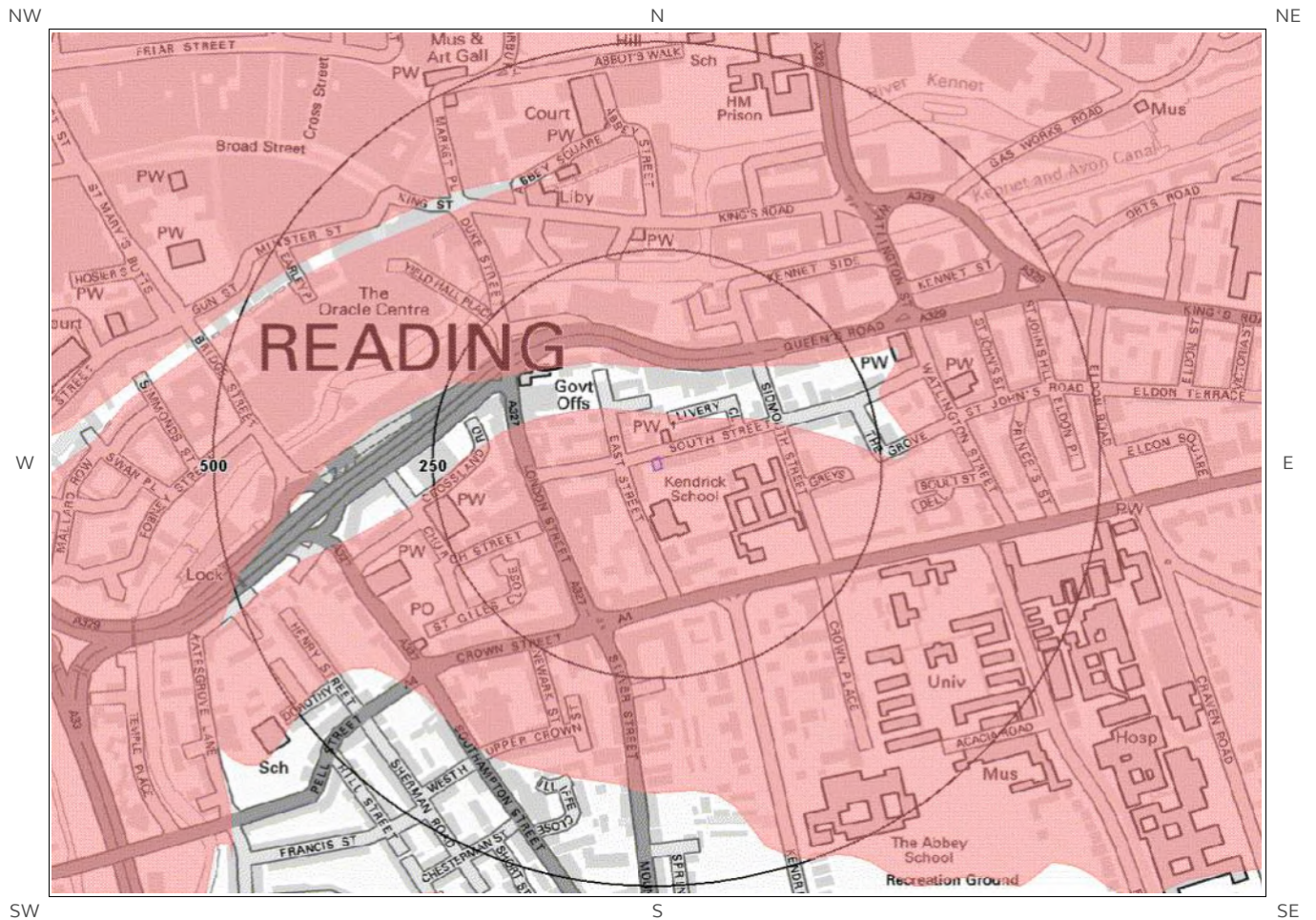
The database has been searched on site, including a 50m buffer.

Lex Code	Description	Rock Type
SNCK-CHLK	SEAFORD CHALK FORMATION AND NEWHAVEN CHALK FORMATION (UNDIFFERENTIATED)	CHALK
LMBE-XCZS	LAMBETH GROUP	CLAY, SILT AND SAND

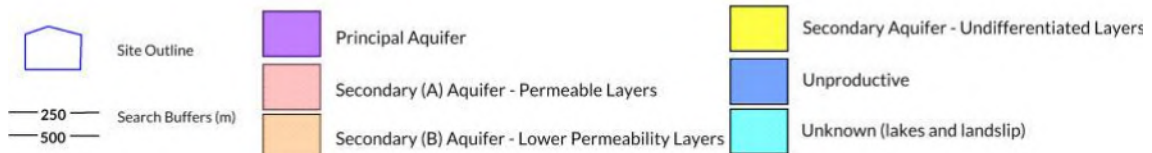
(Derived from the BGS 1:50,000 Digital Geological Map of Great Britain)

6 Hydrogeology and Hydrology

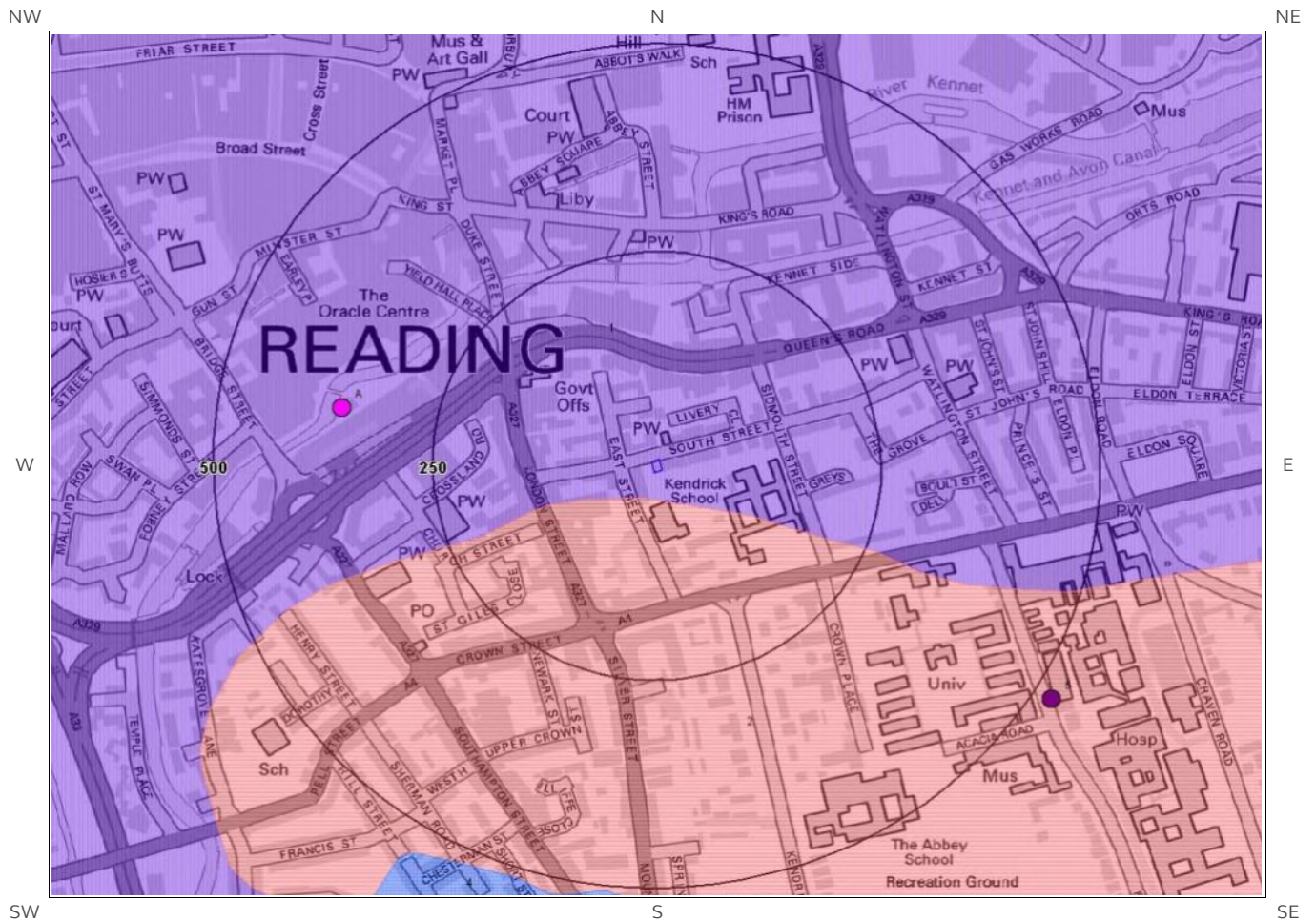
6a. Aquifer Within Superficial Geology



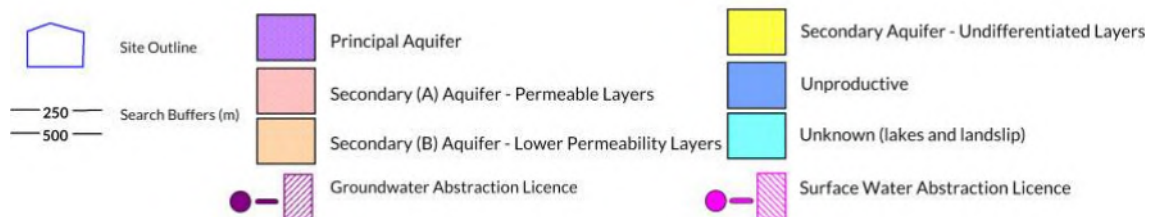
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6b. Aquifer Within Bedrock Geology and Abstraction Licences

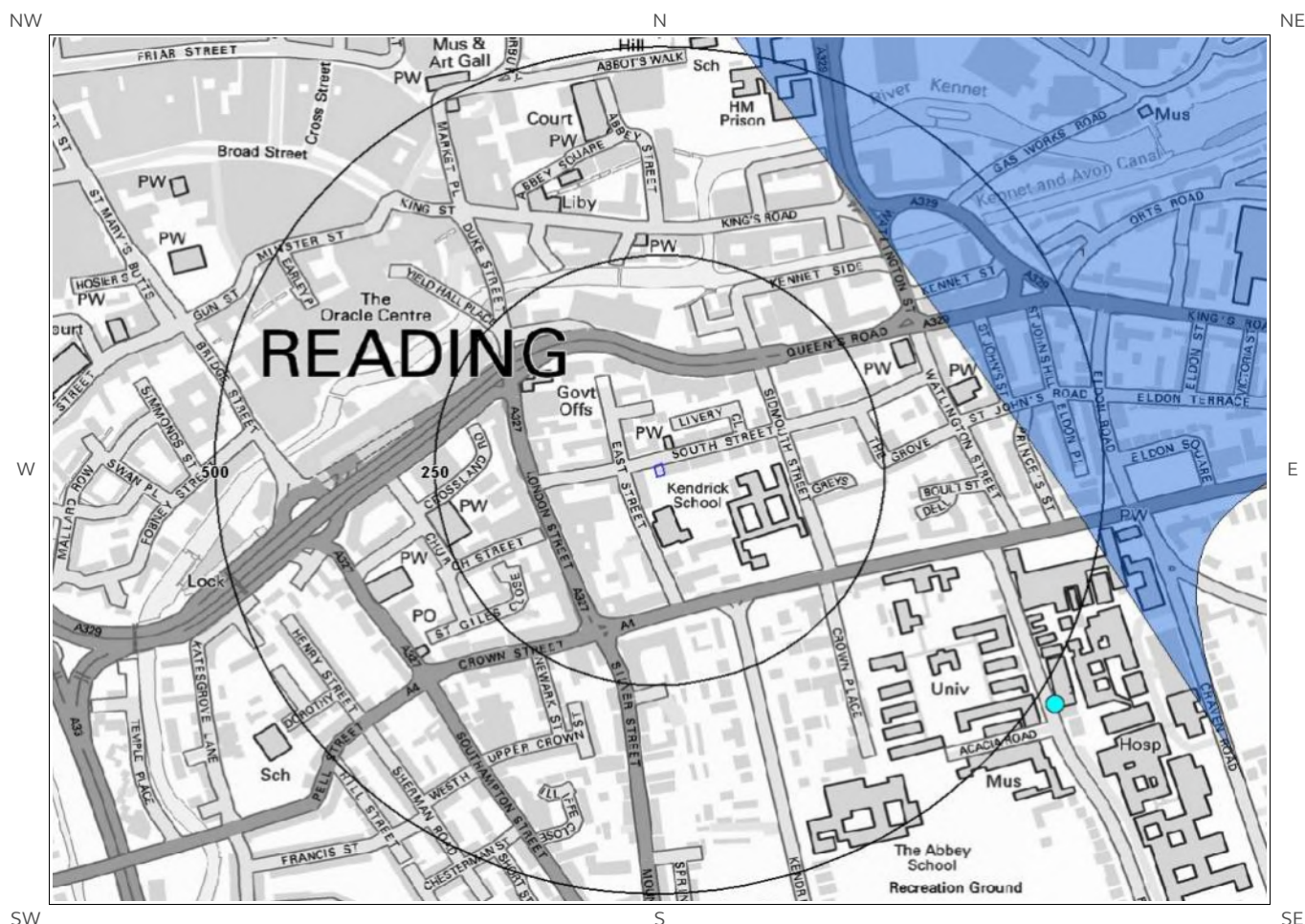


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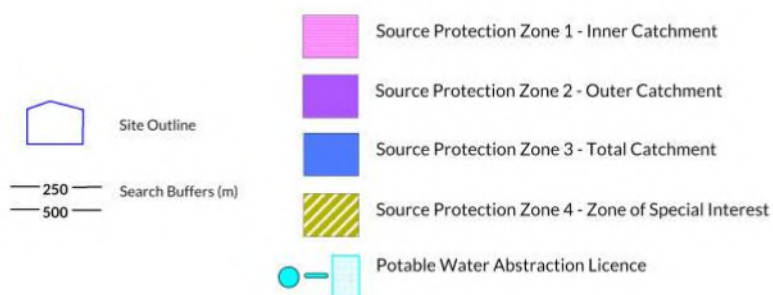




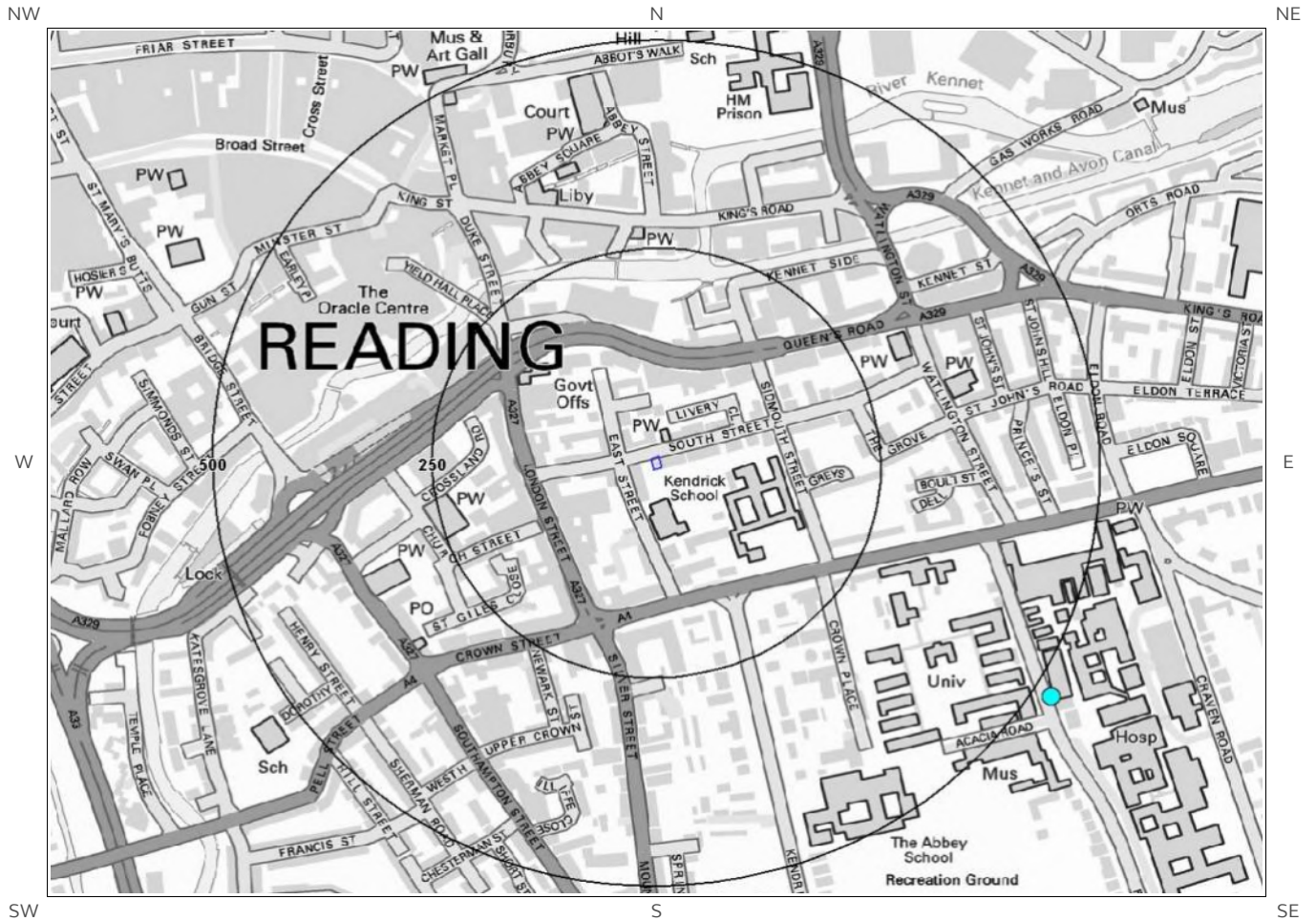
6c. Hydrogeology – Source Protection Zones and Potable Water Abstraction Licences



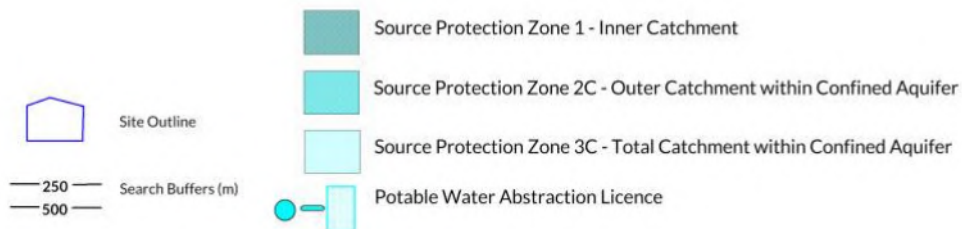
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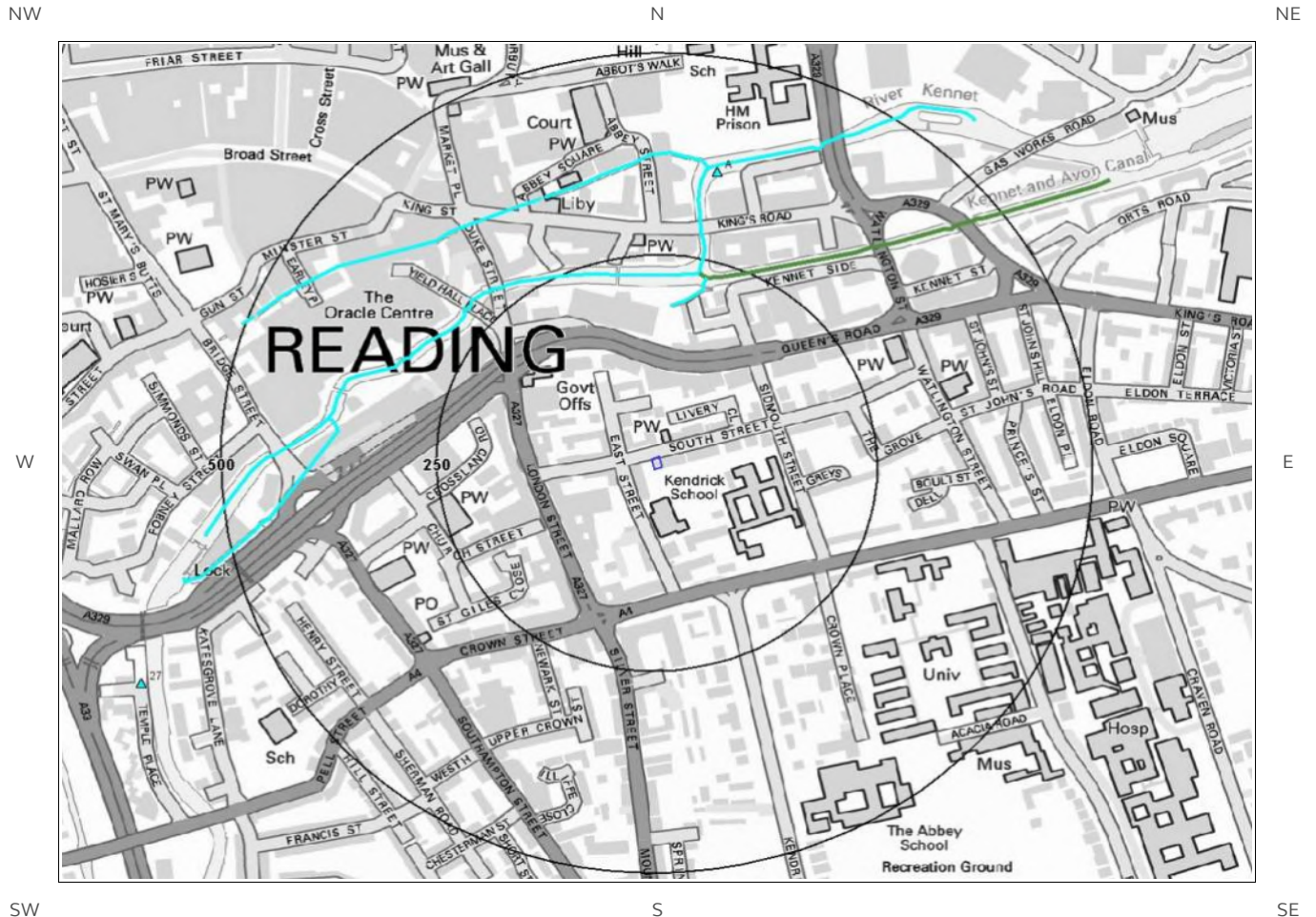
6d. Hydrogeology – Source Protection Zones within confined aquifer



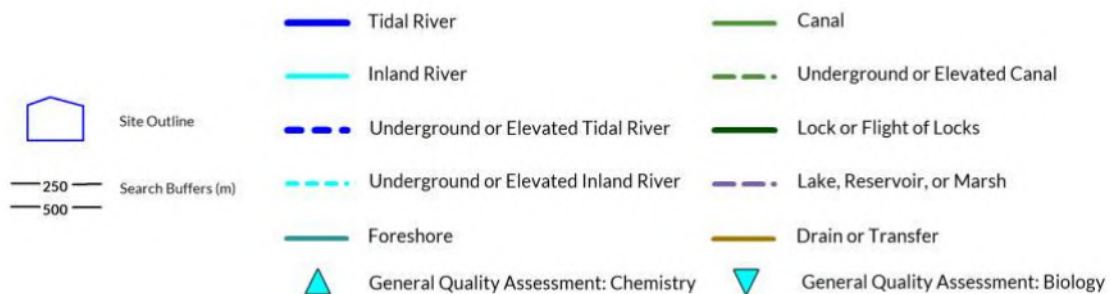
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6e. Hydrology – Watercourse Network and River Quality



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6. Hydrogeology and Hydrology

6.1 Aquifer within Superficial Deposits

Records of strata classification within the superficial geology at or in proximity to the property Yes

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

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

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

6.2 Aquifer within Bedrock Deposits

Records of strata classification within the bedrock geology at or in proximity to the property Yes

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

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

ID	Distance (m)	Direction	Designation	Description
1	0	On Site	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
2	33	S	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers

6.3 Groundwater Abstraction Licences

Groundwater Abstraction Licences within 2000m of the study site

Identified

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

ID	Distance (m)	Direction	NGR	Details
5	523	SE	472400 172800	Status: Active Licence No: 28/39/22/0521 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: THAMES GROUNDWATER Point: ROYAL BERKSHIRE HOSPITAL Data Type: Point Name: ROYAL BERKSHIRE HOSPITAL Annual Volume (m³): 127750 Max Daily Volume (m³): 350 Original Application No: - Original Start Date: 17/01/1992 Expiry Date: - Issue No: 100 Version Start Date: 17/01/1992 Version End Date:
Not shown	851	NW	471200 173500	Status: Active Licence No: 28/39/23/0042 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: THAMES GROUNDWATER Point: CHEAPSIDE, READING, BERKSHIRE Data Type: Point Name: PRIMARK STORES LIMITED Annual Volume (m³): 14933 Max Daily Volume (m³): 40.91 Original Application No: - Original Start Date: 11/07/1966 Expiry Date: - Issue No: 101 Version Start Date: 01/04/2008 Version End Date:
Not shown	906	NE	472700 173600	Status: Historical Licence No: 28/39/22/0600 Details: Pollution Remediation Direct Source: THAMES GROUNDWATER Point: FORMER GASWORKS, KENAVON DRIVE, READING (5 BOREHOLES) Data Type: Point Name: M J GLEESON GROUP PLC Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: - Original Start Date: 31/07/2000 Expiry Date: 31/08/2001 Issue No: 1 Version Start Date: 31/07/2000 Version End Date:
Not shown	1312	N	471900 174400	Status: Active Licence No: 28/39/23/0020 Details: Laundry Use Direct Source: THAMES GROUNDWATER Point: 72 GEORGE STREET, CAVERSHAM, - BOREHOLE 'A' Data Type: Point Name: Berendsen UK Limited Annual Volume (m³): 68190 Max Daily Volume (m³): 300.04 Original Application No: - Original Start Date: 09/05/1966 Expiry Date: - Issue No: 102 Version Start Date: 12/01/2016 Version End Date:
Not shown	1455	NW	470900 174100	Status: Active Licence No: 28/39/23/0167 Details: Non-Evaporative Cooling Direct Source: THAMES GROUNDWATER Point: MEADOW ROAD, READING, BERKSHIRE Data Type: Point Name: MANROSE MANUFACTURING LTD Annual Volume (m³): 90920 Max Daily Volume (m³): 727.4 Original Application No: - Original Start Date: 23/01/1990 Expiry Date: - Issue No: 101 Version Start Date: 30/06/2006 Version End Date:
Not shown	1455	NW	470900 174100	Status: Historical Licence No: 28/39/23/0041 Details: Non-Evaporative Cooling Direct Source: THAMES GROUNDWATER Point: CARDIFF ROAD, READING, BERKSHIRE Data Type: Point Name: COX & WYMAN LTD Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: - Original Start Date: 11/07/1966 Expiry Date: - Issue No: 100 Version Start Date: 11/07/1966 Version End Date:

ID	Distance (m)	Direction	NGR	Details	
Not shown	1455	NW	470900 174100	Status: Active Licence No: 28/39/23/0167 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: THAMES GROUNDWATER Point: MEADOW ROAD, READING, BERKSHIRE Data Type: Point Name: MANROSE MANUFACTURING LTD	Annual Volume (m³): 90920 Max Daily Volume (m³): 727.4 Original Application No: - Original Start Date: 23/01/1990 Expiry Date: - Issue No: 101 Version Start Date: 30/06/2006 Version End Date:
Not shown	1455	NW	470900 174100	Status: Historical Licence No: 28/39/23/0041 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: THAMES GROUNDWATER Point: CARDIFF ROAD, READING, BERKSHIRE Data Type: Point Name: COX & WYMAN LTD	Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: - Original Start Date: 11/07/1966 Expiry Date: - Issue No: 100 Version Start Date: 11/07/1966 Version End Date:
Not shown	1625	NW	470600 174000	Status: Active Licence No: 28/39/23/0128 Details: Process Water Direct Source: THAMES GROUNDWATER Point: CARDIFF ROAD, READING POINT B Data Type: Point Name: HILLIER GROUP OF COMPANIES	Annual Volume (m³): 6682 Max Daily Volume (m³): 27.28 Original Application No: - Original Start Date: 22/01/1975 Expiry Date: - Issue No: 100 Version Start Date: 01/04/2008 Version End Date:
Not shown	1727	SE	473000 171700	Status: Historical Licence No: 28/39/22/0077 Details: General use relating to Secondary Category (Medium Loss) Direct Source: THAMES GROUNDWATER Point: WHITEKNIGHTS PARK, READING Data Type: Point Name: UNIVERSITY OF READING	Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: - Original Start Date: 14/03/1966 Expiry Date: - Issue No: 100 Version Start Date: 26/04/1993 Version End Date:
Not shown	1747	NE	473500 173900	Status: Historical Licence No: 28/39/23/0016 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: THAMES GROUNDWATER Point: READING UNIVERSITY RESEARCH SITE, READING, - WELL 'A' Data Type: Point Name: UNIVERSITY OF READING	Annual Volume (m³): 1136 Max Daily Volume (m³): 22.73 Original Application No: - Original Start Date: 14/03/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/04/2008 Version End Date:
Not shown	1751	SE	473040 171700	Status: Historical Licence No: 28/39/22/0077 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: THAMES GROUNDWATER Point: WHITEKNIGHTS PARK - READING - BOREHOLE Data Type: Point Name: UNIVERSITY OF READING	Annual Volume (m³): 240000 Max Daily Volume (m³): 1032 Original Application No: - Original Start Date: 14/03/1966 Expiry Date: - Issue No: 103 Version Start Date: 01/04/2011 Version End Date:
Not shown	1819	NE	473560 173940	Status: Active Licence No: 28/39/23/0191 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: THAMES GROUNDWATER Point: BOREHOLE AT WATERSIDE CENTRE, THAMES VALLEY PARK ROAD Data Type: Point Name: WOKINGHAM WATERSIDE CENTRE LTD	Annual Volume (m³): 2600 Max Daily Volume (m³): 25 Original Application No: - Original Start Date: 21/12/2000 Expiry Date: - Issue No: 3 Version Start Date: 01/04/2008 Version End Date:

ID	Distance (m)	Direction	NGR	Details	
Not shown	1847	NW	470400 174100	Status: Active Licence No: 28/39/23/0128 Details: Process Water Direct Source: THAMES GROUNDWATER Point: CARDIFF ROAD, READING POINT A Data Type: Point Name: HILLIER GROUP OF COMPANIES	Annual Volume (m³): 6682 Max Daily Volume (m³): 27.28 Original Application No: - Original Start Date: 22/01/1975 Expiry Date: - Issue No: 100 Version Start Date: 01/04/2008 Version End Date:

6.4 Surface Water Abstraction Licences

Surface Water Abstraction Licences within 2000m of the study site

Identified

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

ID	Distance (m)	Direction	NGR	Details	
19A	359	W	471590 173150	Status: Historical Licence No: 28/39/22/0594 Details: Lake & Pond Throughflow Direct Source: THAMES SURFACE WATER - NON TIDAL Point: THE ORACLE CENTRE, READING Data Type: Point Name: ORACLE SHOPPING CENTRE LTD	Annual Volume (m³): - Max Daily Volume (m³): - Application No: - Original Start Date: 16/02/2000 Expiry Date: - Issue No: 1 Version Start Date: 16/02/2000 Version End Date:
20A	359	W	471590 173150	Status: Active Licence No: 28/39/22/0594 Details: Lake & Pond Throughflow Direct Source: THAMES SURFACE WATER - NON TIDAL Point: ST.GILES STREAM AT THE ORACLE CENTRE, READING Data Type: Point Name: ORACLE SHOPPING CENTRE LTD	Annual Volume (m³): 737856 Max Daily Volume (m³): 2016 Application No: - Original Start Date: 16/02/2000 Expiry Date: - Issue No: 1 Version Start Date: 16/02/2000 Version End Date:
Not shown	1103	N	472072 174185	Status: Active Licence No: TH/039/0023/022 Details: Transfer Between Sources (Post Water Act 2003) Direct Source: THAMES SURFACE WATER - NON TIDAL Point: RIVER THAMES AT CAVERSHAM WEIR Data Type: Point Name: The Reading Sustainability Centre CIC	Annual Volume (m³): - Max Daily Volume (m³): - Application No: - Original Start Date: 19/02/2016 Expiry Date: 31/03/2028 Issue No: 1 Version Start Date: 19/02/2016 Version End Date:
Not shown	1454	N	471440 174450	Status: Historical Licence No: 28/39/23/0199/TR Details: Transfer Between Sources (Post Water Act 2003) Direct Source: THAMES SURFACE WATER - NON TIDAL Point: RIVER THAMES - CHRISTCHURCH MEADOWS Data Type: Point Name: READING BOROUGH COUNCIL	Annual Volume (m³): 1.752e+006 Max Daily Volume (m³): 4800 Application No: - Original Start Date: 10/09/2008 Expiry Date: 31/03/2016 Issue No: 1 Version Start Date: 10/09/2008 Version End Date:
Not shown	1454	N	471440 174450	Status: Historical Licence No: 28/39/23/0196 Details: Transfer between sources Direct Source: THAMES SURFACE WATER - NON TIDAL Point: THAMES AT CHRISTCHURCH MEADOW Data Type: Point	Annual Volume (m³): - Max Daily Volume (m³): - Application No: - Original Start Date: 12/05/2003 Expiry Date: 31/03/2016 Issue No: 1 Version Start Date: 12/05/2003

ID	Distance (m)	Direction	NGR	Details
Not shown	1454	N	471440 174450	Name: READING BOROUGH COUNCIL
				Status: Historical
				Licence No: 28/39/23/0196
				Details: Lake & Pond Throughflow
				Direct Source: THAMES SURFACE WATER - NON TIDAL
				Point: THAMES AT CHRISTCHURCH MEADOW
				Data Type: Point
				Name: READING BOROUGH COUNCIL
				Version End Date:
				Annual Volume (m³): 31536
				Max Daily Volume (m³): 86.4
				Application No: -
				Original Start Date: 12/05/2003
				Expiry Date: 31/03/2016
				Issue No: 1
				Version Start Date: 01/04/2006
				Version End Date:

6.5 Potable Water Abstraction Licences

Potable Water Abstraction Licences within 2000m of the study site

Identified

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

ID	Distance (m)	Direction	NGR	Details
2	523	SE	472400 172800	Status: Active
				Licence No: 28/39/22/0521
				Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services
				Direct Source: THAMES GROUNDWATER
				Point: ROYAL BERKSHIRE HOSPITAL
				Data Type: Point
				Name: ROYAL BERKSHIRE HOSPITAL
				Annual Volume (m³): 127750
				Max Daily Volume (m³): 350
				Original Application No: -
				Original Start Date: 17/01/1992
				Expiry Date: -
				Issue No: 100
				Version Start Date:
				Version End Date:
Not shown	851	NW	471200 173500	Status: Active
				Licence No: 28/39/23/0042
				Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services
				Direct Source: THAMES GROUNDWATER
				Point: CHEAPSIDE, READING, BERKSHIRE
				Data Type: Point
				Name: PRIMARK STORES LIMITED
				Annual Volume (m³): 14933
				Max Daily Volume (m³): 40.91
				Original Application No: -
				Original Start Date: 11/07/1966
				Expiry Date: -
				Issue No: 101
				Version Start Date:
				Version End Date:
Not shown	1455	NW	470900 174100	Status: Historical
				Licence No: 28/39/23/0041
				Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services
				Direct Source: THAMES GROUNDWATER
				Point: CARDIFF ROAD, READING, BERKSHIRE
				Data Type: Point
				Name: COX & WYMAN LTD
				Annual Volume (m³): -
				Max Daily Volume (m³): -
				Original Application No: -
				Original Start Date: 11/07/1966
				Expiry Date: -
				Issue No: 100
				Version Start Date:
				Version End Date:
Not shown	1455	NW	470900 174100	Status: Active
				Licence No: 28/39/23/0167
				Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services
				Direct Source: THAMES GROUNDWATER
				Point: MEADOW ROAD, READING, BERKSHIRE
				Data Type: Point
				Name: MANROSE MANUFACTURING LTD
				Annual Volume (m³): 90920
				Max Daily Volume (m³): 727.4
				Original Application No: -
				Original Start Date: 23/01/1990
				Expiry Date: -
				Issue No: 101
				Version Start Date:
				Version End Date:
Not shown	1751	SE	473040 171700	Status: Historical
				Licence No: 28/39/22/0077
				Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services
				Annual Volume (m³): 240000
				Max Daily Volume (m³): 1032
				Original Application No: -
				Original Start Date: 14/03/1966
				Expiry Date: -

ID	Distance (m)	Direction	NGR	Details
Not shown	1819	NE	473560 173940	Direct Source: THAMES GROUNDWATER Point: WHITEKNIGHTS PARK - READING - BOREHOLE Data Type: Point Name: UNIVERSITY OF READING Issue No: 103 Version Start Date: Version End Date:
				Status: Active Licence No: 28/39/23/0191 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: THAMES GROUNDWATER Point: BOREHOLE AT WATERSIDE CENTRE, THAMES VALLEY PARK ROAD Data Type: Point Name: WOKINGHAM WATERSIDE CENTRE LTD Annual Volume (m³): 2600 Max Daily Volume (m³): 25 Original Application No: - Original Start Date: 21/12/2000 Expiry Date: - Issue No: 3 Version Start Date: Version End Date:

6.6 Source Protection Zones

Source Protection Zones within 500m of the study site

Identified

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

ID	Distance (m)	Direction	Zone	Description
1	363	NE	3	Total catchment

6.7 Source Protection Zones within Confined Aquifer

Source Protection Zones within the Confined Aquifer within 500m of the study site

None identified

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

Database searched and no data found.

6.8 Groundwater Vulnerability and Soil Leaching Potential

Environment Agency/Natural Resources Wales information on groundwater vulnerability and soil leaching potential within 500m of the study site Identified

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

6.9 River Quality

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

6.9.1 Biological Quality:

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

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

ID	Distance (m)	Direction	NGR	River Quality Grade	Biological Quality Grade				
					2005	2006	2007	2008	2009
Not shown	1394	NE	473100 173880	River Name: Thames (w Area) Reach: Whitchurch Stw - Kennet End/Start of Stretch: End of Stretch NGR	A	A	A	A	A
Not shown	1394	NE	473100 173880	River Name: Thames (w Area) Reach: Kennet - Loddon End/Start of Stretch: Start of Stretch NGR	B	B	B	A	A

Chemical quality data is based on the General Quality Assessment Headline Indicators scheme (GQAH). 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):

ID	Distance (m)	Direction	NGR	River Quality Grade	Chemical Quality Grade				
					2005	2006	2007	2008	2009
25A	358	N	472020 173440	River Name: Kennet Reach: Holy Brook - Thames End/Start of Stretch: Start of Stretch NGR	B	A	A	A	A
26A	358	N	472020 173440	River Name: Kennet Reach: Foudry Brook - Holy Brook End/Start of Stretch: End of Stretch NGR	B	A	A	A	A
27	653	SW	471351 172807	River Name: Kennet Reach: Foudry Brook - Holy Brook End/Start of Stretch: Sample Point NGR	B	A	A	A	A
Not shown	981	N	472135 174053	River Name: Thames Reach: Whitchurch Stw - Kennet End/Start of Stretch: Sample Point NGR	A	A	A	A	A
Not shown	1227	NE	473015 173702	River Name: Kennet Reach: Holy Brook - Thames End/Start of Stretch: Sample Point NGR	B	A	A	A	A
Not shown	1394	NE	473100 173880	River Name: Kennet Reach: Holy Brook - Thames End/Start of Stretch: End of Stretch NGR	B	A	A	A	A
Not shown	1394	NE	473100 173880	River Name: Thames Reach: Kennet - Loddon End/Start of Stretch: Start of Stretch NGR	A	A	A	A	A
Not shown	1394	NE	473100 173880	River Name: Thames Reach: Whitchurch Stw - Kennet End/Start of Stretch: End of Stretch NGR	A	A	A	A	A

6.10 Ordnance Survey MasterMap Water Network

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

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

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

ID	Distance/ Direction	Name	Type of Watercourse	Additional Details
1	188 N	Gunter's Brook	Inland river not influenced by normal tidal action.	Catchment Area: Thames Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 2.2
26	188 N	Gunter's Brook	Inland river not influenced by normal tidal action.	Catchment Area: Thames Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 2.2
2	214 N	Gunter's Brook	Inland river not influenced by normal tidal action.	Catchment Area: Thames Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 4.1
27	214 N	Gunter's Brook	Inland river not influenced by normal tidal action.	Catchment Area: Thames Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 4.1
3	224 N	Kennet and Avon Canal	Inland river not influenced by normal tidal action.	Catchment Area: Avon Hampshire Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 13.9
28	224 N	Kennet and Avon Canal	Inland river not influenced by normal tidal action.	Catchment Area: Avon Hampshire Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 13.9
4	229 N	Kennet and Avon Canal	Canal. A manmade watercourse for inland navigation.	Catchment Area: Avon Hampshire Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 14.0
5	229 N	Kennet and Avon Canal	Canal. A manmade watercourse for inland navigation.	Catchment Area: Avon Hampshire Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 16.1
29	229 N	Kennet and Avon Canal	Canal. A manmade watercourse for inland navigation.	Catchment Area: Avon Hampshire Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 14.0
30	229 N	Kennet and Avon Canal	Canal. A manmade watercourse for inland navigation.	Catchment Area: Avon Hampshire Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 16.1
6	232 N	River Kennet	Inland river not influenced by normal tidal action.	Catchment Area: Thames Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 17.3
31	232 N	River Kennet	Inland river not influenced by normal tidal action.	Catchment Area: Thames Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions)

ID	Distance/ Direction	Name	Type of Watercourse	Additional Details
				Average Width in Watercourse Section (m): 17.3
7	346 N	Holy Brook	Inland river not influenced by normal tidal action.	Catchment Area: Thames Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 3.8
8	346 N	Holy Brook	Inland river not influenced by normal tidal action.	Catchment Area: Thames Relationship to Ground Level: Underground Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): Not Provided
Not shown	346 N	Holy Brook	Inland river not influenced by normal tidal action.	Catchment Area: Thames Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 3.8
Not shown	346 N	Holy Brook	Inland river not influenced by normal tidal action.	Catchment Area: Thames Relationship to Ground Level: Underground Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): Not Provided
9	347 NW	Holy Brook	Inland river not influenced by normal tidal action.	Catchment Area: Thames Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 1.4
10	347 NW	Holy Brook	Inland river not influenced by normal tidal action.	Catchment Area: Thames Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): Not Provided
Not shown	347 NW	Holy Brook	Inland river not influenced by normal tidal action.	Catchment Area: Thames Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 1.4
Not shown	347 NW	Holy Brook	Inland river not influenced by normal tidal action.	Catchment Area: Thames Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): Not Provided
11	362 N	River Kennet	Inland river not influenced by normal tidal action.	Catchment Area: Thames Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 19.7
12	362 N	Holy Brook	Inland river not influenced by normal tidal action.	Catchment Area: Thames Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 2.8
Not shown	362 N	River Kennet	Inland river not influenced by normal tidal action.	Catchment Area: Thames Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 19.7
Not shown	362 N	Holy Brook	Inland river not influenced by normal tidal action.	Catchment Area: Thames Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 2.8

ID	Distance/ Direction	Name	Type of Watercourse	Additional Details
13	364 NW	Holy Brook	Inland river not influenced by normal tidal action.	Catchment Area: Thames Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 2.6
Not shown	364 NW	Holy Brook	Inland river not influenced by normal tidal action.	Catchment Area: Thames Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 2.6
14	366 W	Not specified	Inland river not influenced by normal tidal action.	Catchment Area: Thames Relationship to Ground Level: Not provided Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): Not Provided
Not shown	366 W	Not specified	Inland river not influenced by normal tidal action.	Catchment Area: Thames Relationship to Ground Level: Not provided Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): Not Provided
15	367 NW	Holy Brook	Inland river not influenced by normal tidal action.	Catchment Area: Thames Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): Not Provided
16	367 N	Holy Brook	Inland river not influenced by normal tidal action.	Catchment Area: Thames Relationship to Ground Level: Underground Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): Not Provided
40	367 NW	Holy Brook	Inland river not influenced by normal tidal action.	Catchment Area: Thames Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): Not Provided
Not shown	367 N	Holy Brook	Inland river not influenced by normal tidal action.	Catchment Area: Thames Relationship to Ground Level: Underground Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): Not Provided
17	378 W	Kennet and Avon Canal	Inland river not influenced by normal tidal action.	Catchment Area: Avon Hampshire Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 16.0
Not shown	378 W	Kennet and Avon Canal	Inland river not influenced by normal tidal action.	Catchment Area: Avon Hampshire Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 16.0
18	449 W	Not specified	Inland river not influenced by normal tidal action.	Catchment Area: Thames Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 6.9
Not shown	449 W	Not specified	Inland river not influenced by normal tidal action.	Catchment Area: Thames Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 6.9
19	468	Holy Brook	Inland river not influenced by normal tidal action.	Catchment Area: Thames Relationship to Ground Level: On ground surface

ID	Distance/ Direction	Name	Type of Watercourse	Additional Details
	NW			Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 2.3
Not shown	468 NW	Holy Brook	Inland river not influenced by normal tidal action.	Catchment Area: Thames Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 2.3
20	475 NW	Holy Brook	Inland river not influenced by normal tidal action.	Catchment Area: Thames Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): Not Provided
Not shown	475 NW	Holy Brook	Inland river not influenced by normal tidal action.	Catchment Area: Thames Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): Not Provided
21	477 NW	Holy Brook	Inland river not influenced by normal tidal action.	Catchment Area: Thames Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 3.3
Not shown	477 NW	Holy Brook	Inland river not influenced by normal tidal action.	Catchment Area: Thames Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 3.3
22	491 W	Holy Brook	Inland river not influenced by normal tidal action.	Catchment Area: Thames Relationship to Ground Level: Underground Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): Not Provided
Not shown	491 W	Holy Brook	Inland river not influenced by normal tidal action.	Catchment Area: Thames Relationship to Ground Level: Underground Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): Not Provided

6.11 Surface Water Features

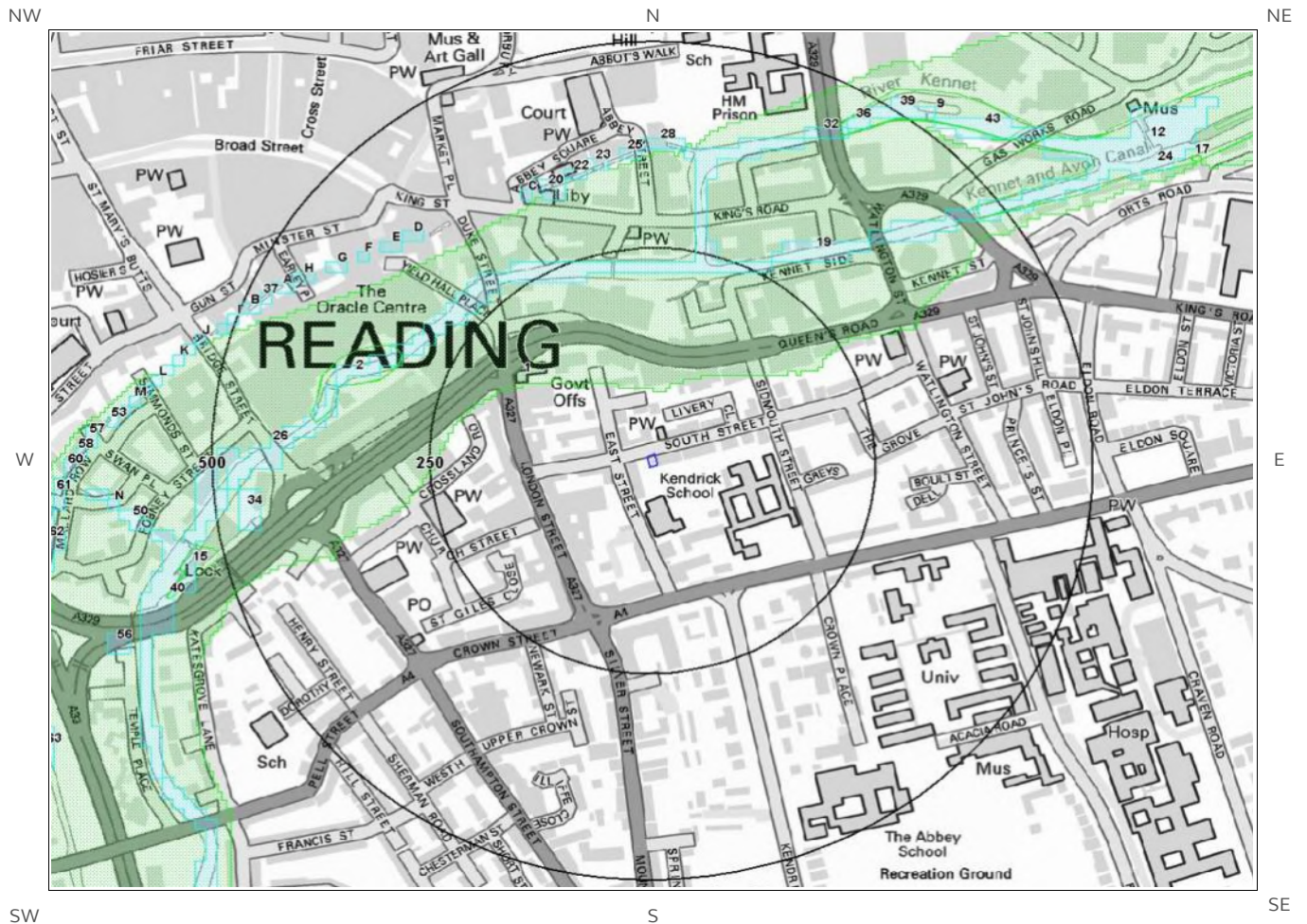
Surface water features within 250m of the study site

Identified

The following surface water records are not represented on mapping:

Distance (m)	Direction
187	N

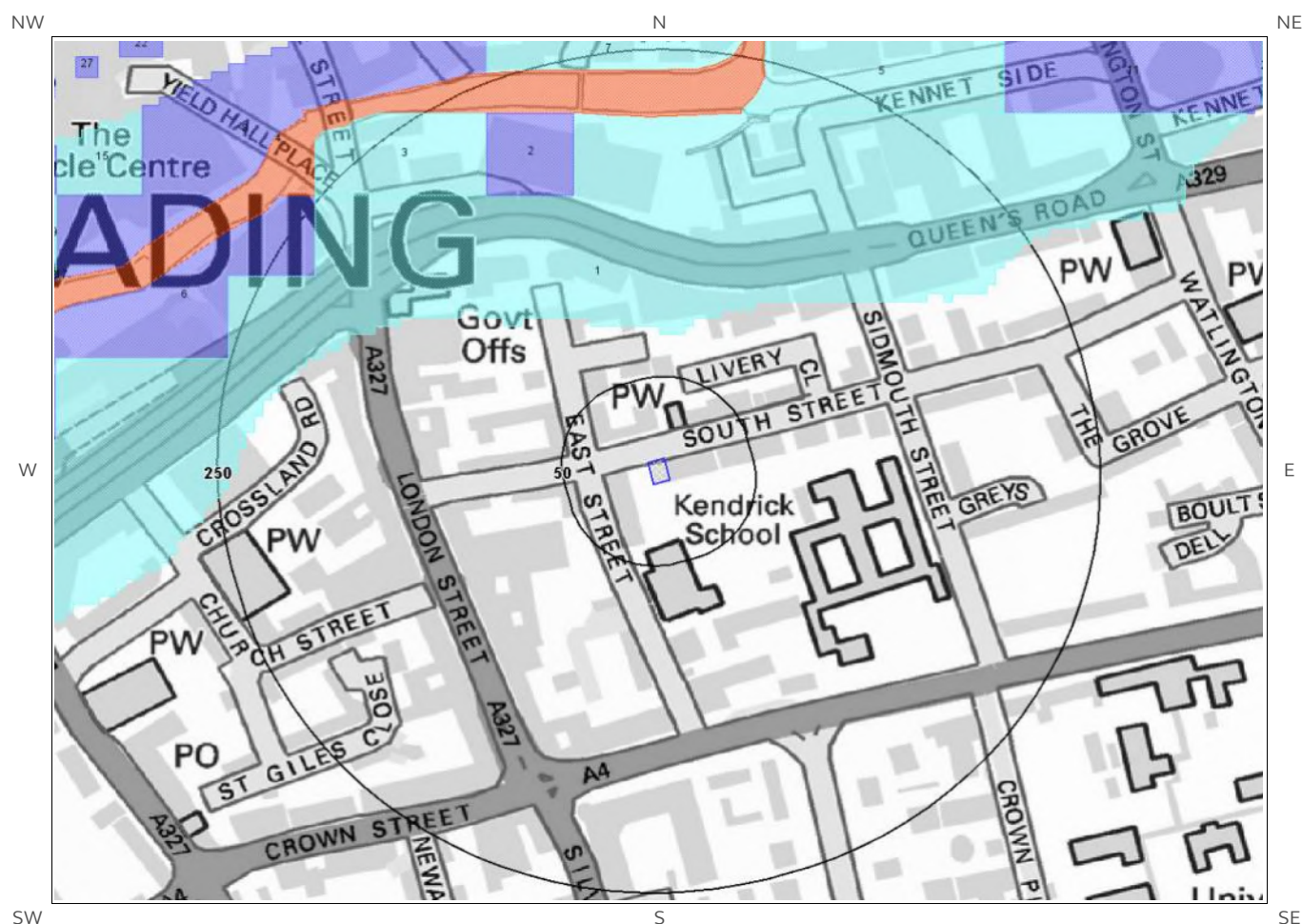
7a. Environment Agency/Natural Resources Wales Flood Map for Planning (from rivers and the sea)



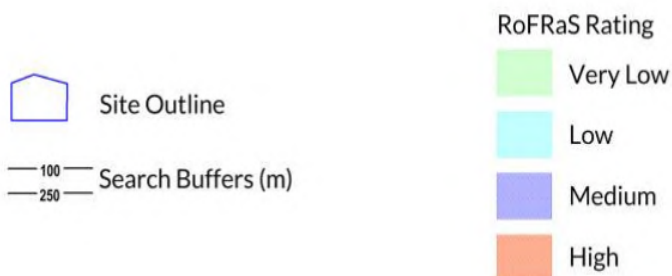
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7b. Environment Agency/Natural Resources Wales Risk of Flooding from Rivers and the Sea (RoFRaS) Map



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7 Flooding

7.1 River and Coastal Zone 2 Flooding

Environment Agency/Natural Resources Wales Zone 2 floodplain within 250m

Identified

Environment Agency/Natural Resources Wales Zone 2 floodplains estimate the annual probability of flooding as between 1 in 1000 (0.1%) and 1 in 100 (1%) from rivers and between 1 in 1000 (0.1%) and 1 in 200 (0.5%) from the sea. Any relevant data is represented on Map 7a – Flood Map for Planning:

ID	Distance (m)	Direction	Update	Type
1	76	N	15-Oct-2018	Zone 2 - (Fluvial /Tidal Models)

7.2 River and Coastal Zone 3 Flooding

Environment Agency/Natural Resources Wales Zone 3 floodplain within 250m

Identified

Zone 3 shows the extent of a river flood with a 1 in 100 (1%) or greater chance of occurring in any year or a sea flood with a 1 in 200 (0.5%) or greater chance of occurring in any year. Any relevant data is represented on Map 7a – Flood Map for Planning.

ID	Distance (m)	Direction	Update	Type
1	221	N	15-Oct-2018	Zone 3 - (Fluvial Models)

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

Highest risk of flooding onsite

Very Low

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

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

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

7.5 Areas benefiting from Flood Defences

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

7.6 Areas benefiting from Flood Storage

Areas used for Flood Storage within 250m of the study site	None identified
--	-----------------

7.7 Groundwater Flooding Susceptibility Areas

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

Clearwater Flooding or Superficial Deposits Flooding	Clearwater Flooding
--	---------------------

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

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

Potential at Surface

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

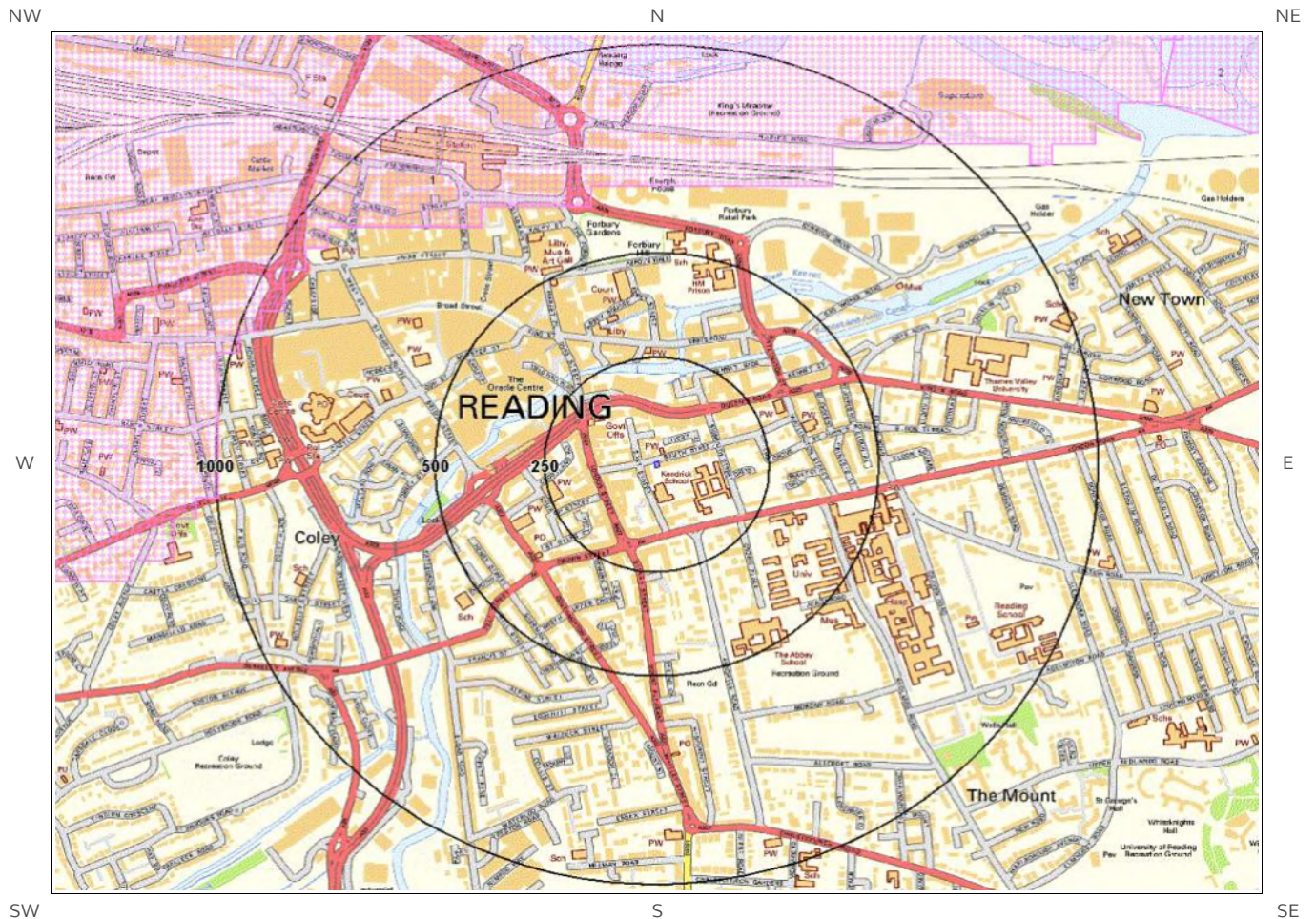
7.8 Groundwater Flooding Confidence Areas

British Geological Survey confidence rating in this result	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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8. Designated Environmentally Sensitive Sites

Designated Environmentally Sensitive Sites within 2000m of the study site

Identified

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

0

Database searched and no data found.

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

0

Database searched and no data found.

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

0

Database searched and no data found.

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

0

Database searched and no data found.

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

0

Database searched and no data found.

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

Database searched and no data found.

0

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

Database searched and no data found.

0

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

Database searched and no data found.

0

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

Database searched and no data found.

0

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

Database searched and no data found.

0

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

Database searched and no data found.

0

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

Database searched and no data found.

0

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

3

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
1	630	N	Existing	DEFRA
2	1435	NE	Existing	DEFRA
Not shown	1943	W	Existing	DEFRA

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

0

Database searched and no data found.

9. Natural Hazards Findings

9.1 Detailed BGS GeoSure Data

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

9.1.1 Shrink Swell

Maximum Shrink-Swell** hazard rating identified on the study site Moderate

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

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

9.1.2 Landslides

Maximum Landslide* hazard rating identified on the study site Very Low

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

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

9.1.3 Soluble Rocks

Maximum Soluble Rocks* hazard rating identified on the study site High

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

Hazard
Very significant soluble rocks are present, with a high possibility of localised subsidence occurring naturally or in adverse conditions such as high surface or subsurface water flow. Obtain specialist advice to advise on need for stabilisation work and/or land management plan to maintain stability. Do not dispose of drainage into the ground. For new build a specialist land stability assessment is necessary. Investigation, remediation and/or mitigation works may be necessary to stabilise the area. Construction work may cause subsidence. Surface drainage must not affect the karst system or groundwater. Increased construction costs are likely. For existing property increase

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

Hazard

in insurance risk due to potential soluble rocks hazards. Potential of groundwater pollution.

9.1.4 Compressible Ground

Maximum Compressible Ground* hazard rating identified on the study site

Negligible

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

Hazard

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

9.1.5 Collapsible Rocks

Maximum Collapsible Rocks* hazard rating identified on the study site

Very Low

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

Hazard

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

9.1.6 Running Sand

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

Very Low

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

Hazard

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

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

9.2.1 Radon Affected Areas

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

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

9.2.2 Radon Protection

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

10. Mining

10.1 Coal Mining

Coal mining areas within 75m of the study site

None identified

Database searched and no data found.

10.2 Non-Coal Mining

Non-Coal Mining areas within 50m of the study site boundary

Identified

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

Distance (m)	Direction	Name	Commodity	Assessment of likelihood
23.0	S	Not available	Chalk	Localised small scale underground mining may have occurred. Potential for difficult ground conditions are unlikely or localised and are at a level where they need not be considered
33.0	S	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

Brine affected areas within 75m of the study site

None identified

Guidance: No Guidance Required.

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