EmapSite

Masdar House, 1 Reading Road,
Eversley, RG27 0RP

Groundsure Reference:	EMS-484046_649864
Your Reference:	EMS_484046_649864
Report Date	14 Jun 2018
Report Delivery Method:	Email - pdf

Enviro Insight

Address: Penistone Grammar School, Penistone, Sheffield ,

Dear Sir/ Madam,

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

If you would like further assistance regarding this report then please contact the emapsite customer services team on 0118 9736883 quoting the above report reference number.

Yours faithfully,

emapsite customer services team

Enc.
Groundsure Enviroinsight

Enviro Insight

Address:	**Penistone Grammar School, Penistone, Sheffield ,**
Date:	**14 Jun 2018**
Reference:	**EMS-484046_649864**
Client:	**EmapSite**

NW N NE

W E

SW S SE

Aerial Photograph Capture date:	07-Jun-2013
Grid Reference:	424341,403945
Site Size:	0.36ha

Report Reference: EMS-484046_649864
Client Reference: EMS_484046_649864

Groundsure
LOCATION INTELLIGENCE

emapsite™

Contents Page

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	3	0	9	96
1.2 Additional Information – Historical Tank Database	0	0	0	10
1.3 Additional Information – Historical Energy Features Database	0	0	8	23
1.4 Additional Information – Historical Petrol and Fuel Site Database	0	0	0	0
1.5 Additional Information – Historical Garage and Motor Vehicle Repair Database	0	0	8	4
1.6 Potentially Infilled Land	0	0	7	51

Section 2: Environmental Permits, Incidents and Registers	On-site	0-50m	51-250	251-500
2.1 Industrial Sites Holding Environmental Permits and/or Authorisations				
2.1.1 Records of historic IPC Authorisations	0	0	0	0
2.1.2 Records of Part A(1) and IPPC Authorised Activities	0	0	0	0
2.1.3 Records of Red List Discharge Consents	0	0	0	0
2.1.4 Records of List 1 Dangerous Substances Inventory sites	0	0	0	0
2.1.5 Records of List 2 Dangerous Substances Inventory sites	0	0	0	0
2.1.6 Records of Part A(2) and Part B Activities and Enforcements	0	0	1	0
2.1.7 Records of Category 3 or 4 Radioactive Substances Authorisations	0	0	0	0
2.1.8 Records of Licensed Discharge Consents	0	0	15	0
2.1.9 Records of Water Industry Referrals	0	0	0	0
2.1.10 Records of Planning Hazardous Substance Consents and Enforcements within 500m of the study site	0	0	0	0
2.2 Records of COMAH and NIHHS sites	0	0	0	0
2.3 Environment Agency/Natural Resources Wales Recorded Pollution Incidents				
2.3.1 National Incidents Recording System, List 2	0	0	5	5
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	1	2	1	2
3.1.3 BGS/DoE Landfill Site Survey	0	0	0	0	2	0
3.1.4 Records of Landfills in Local Authority and Historical Mapping Records	0	0	0	0	2	1
3.2 Landfill and Other Waste Sites Findings						
3.2.1 Operational and Non-Operational Waste Treatment, Transfer and Disposal Sites	0	0	0	1	Not searched	Not searched
3.2.2 Environment Agency/Natural Resources Wales Licensed Waste Sites	0	0	0	1	0	6

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

Section 5: Geology	
5.1 Records of Artificial Ground and Made Ground present beneath the study site	None identified
5.2 Records of Superficial Ground and Drift Geology present beneath the study site	None identified
5.3 For records of Bedrock and Solid Geology beneath the study site see the detailed findings section.	

Section 6: Hydrogeology and Hydrology	0-500m
6.1 Records of Strata Classification in the Superficial Geology within 500m of the study site	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	0	6
6.4 Surface Water Abstraction Licences (within 2000m of the study site)	0	0	0	0	0	0
6.5 Potable Water Abstraction Licences (within 2000m of the study site)	0	0	0	0	0	0
6.6 Source Protection Zones (within 500m of the study site)	0	0	0	0	Not searched	Not searched
6.7 Source Protection Zones within Confined Aquifer	0	0	0	0	Not searched	Not searched
6.8 Groundwater Vulnerability and Soil Leaching Potential (within 500m of the study site)	1	0	1	0	Not searched	Not searched

Section 6: Hydrogeology and Hydrology

	0-500m					
	On-site	0-50m	51-250	251-500	501-1000	1000-1500
6.9 Environment Agency/Natural Resources Wales information on river quality within 1500m of the study site	No	No	No	Yes	No	Yes
6.10 Ordnance Survey MasterMap Water Network entries within 500m of the site	0	0	18	46	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 Enviroment 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	Low

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	4
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	0
8.14 Records of Green Belt land	1	0	0	0	0	0

Section 9: Natural Hazards

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

Section 10: Mining

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

Using this report

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

1. Historical Industrial Sites

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

2. Environmental Permits, Incidents and Registers

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

3. Landfills and Other Waste Sites

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

4. Current Land Uses

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

5. Geology

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

6. Hydrogeology and Hydrology

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

7. Flooding

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

8. Designated Environmentally Sensitive Sites

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

9. Natural Hazards

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

10. Mining

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

11. Contacts

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

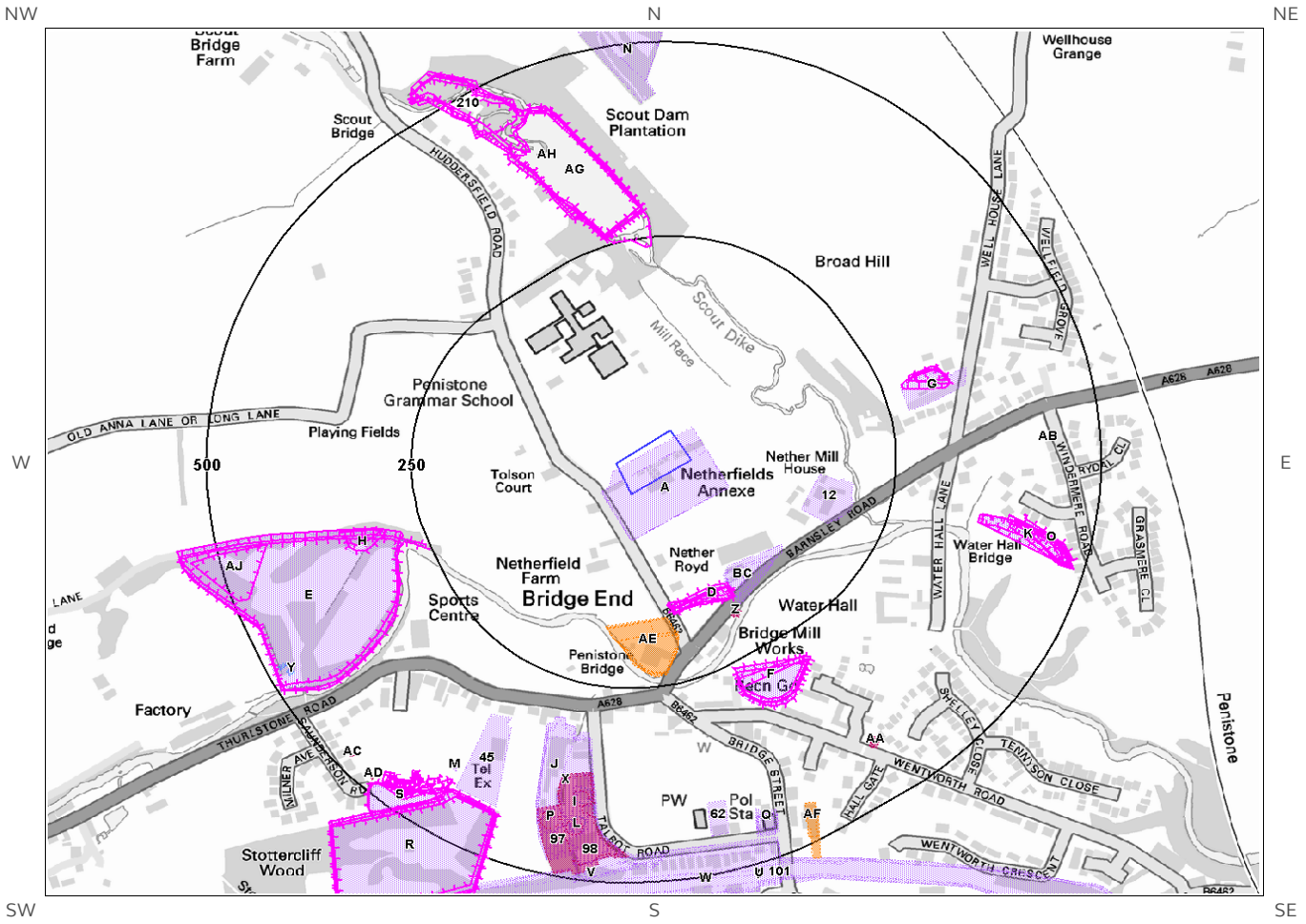
Note: Maps

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

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

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

1. Historical Land Use



Site Outline

250
500
Search Buffers (m)

Historical 1:10,000 and 1:10,560 scale mapping

Industrial Land Use

Potentially Infilled Land

Historical 1:2,500, 1:1,250 and 1:500 scale mapping

Energy Features

Petrol Stations

Tanks

Garages

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: 108

ID	Distance [m]	Direction	Use	Date
1A	0	On Site	Unspecified Workhouse	1891
2A	0	On Site	Unspecified Commercial/Industrial	1948
3A	0	On Site	Unspecified Workhouse	1903
4B	140	SE	Unspecified Mill	1951
5B	140	SE	Unspecified Mill	1967
6B	144	SE	Nether Mill	1929
7C	145	SE	Unspecified Mill	1938
8C	145	SE	Unspecified Mill	1891
9B	146	SE	Corn Mill	1850
10D	147	S	Unspecified Mill	1903
11D	147	S	Unspecified Mill	1948
12	148	SE	Nether Mill	1929
13E	255	SW	Sewage Farm	1938
14E	255	SW	Sewage Farm	1938
15F	257	SE	Unspecified Pit	1951
16F	264	SE	Unspecified Pit	1938
17F	264	SE	Unspecified Pit	1938
18F	266	SE	Unspecified Ground Workings	1929
19G	272	E	Sandstone Quarry	1850
20F	272	SE	Unspecified Pit	1948
21F	272	SE	Unspecified Pit	1903
22G	274	E	Unspecified Pit	1903
23G	274	E	Unspecified Pit	1948
24E	276	W	Sewage Farm	1951
25E	277	W	Sewage Farm	1929
26E	279	W	Sewage Farm	1903
27E	279	W	Sewage Farm	1948
28E	281	W	Unspecified Works	1967
29F	283	SE	Unspecified Pit	1987
30F	283	SE	Unspecified Pit	1967
31G	285	E	Unspecified Pit	1951
32G	288	E	Unspecified Pit	1938
33G	288	E	Unspecified Pit	1938

34H	296	W	Unspecified Ground Workings	1929
35H	297	W	Unspecified Heap	1938
36H	297	W	Unspecified Heap	1938
37H	298	W	Unspecified Heap	1951
38H	298	W	Unspecified Heap	1967
39X	298	S	Unspecified Mills	1987
40I	298	S	Unspecified Mills	1951
41I	298	S	Unspecified Mills	1967
42I	303	S	Unspecified Mills	1938
43J	309	S	Unspecified Mills	1929
44J	317	S	Unspecified Mills	1948
45	323	SW	Telecomm Exchange	1987
46K	359	E	Unspecified Ground Workings	1903
47K	362	E	Unspecified Ground Workings	1891
48L	363	S	Unspecified Commercial/Industrial	1948
49L	364	S	Gas Works	1903
50L	364	S	Gas Works	1891
51L	368	S	Unspecified Mills	1929
52K	373	E	Unspecified Ground Workings	1850
53I	378	S	Unspecified Tanks	1967
54I	378	S	Unspecified Tanks	1951
55L	380	S	Unspecified Tanks	1938
56I	384	S	Gasometer	1891
57I	385	S	Unspecified Tank	1948
58I	385	S	Gasometer	1903
59I	388	S	Unspecified Tank	1929
60K	394	E	Unspecified Ground Workings	1951
61K	398	E	Unspecified Ground Workings	1948
62	407	S	Telecomm Exchange	1967
63M	409	SW	Mortuary	1938
64M	409	SW	Mortuary	1948
65O	412	E	Unspecified Ground Workings	1967
66P	414	S	Unspecified Tank	1948
67L	421	S	Gasometer	1891
68L	423	S	Gasometer	1903
69L	423	S	Unspecified Tank	1948
70N	423	N	Unspecified Works	1987
71N	423	N	Unspecified Works	1967
72O	424	E	Unspecified Pit	1938
73O	424	E	Unspecified Pit	1938

74P	424	S	Unspecified Tank	1929
75L	424	S	Unspecified Tank	1929
76Q	432	S	Police Station	1967
77Q	432	S	Police Station	1951
78Q	432	S	Police Station	1987
79R	437	SW	Cemetery	1967
80R	437	SW	Cemetery	1987
81R	437	SW	Cemetery	1951
82S	438	SW	Unspecified Pit	1938
83S	438	SW	Unspecified Pit	1938
84Q	438	S	Police Station	1938
85AJ	439	W	Refuse Heap	1967
86R	441	SW	Cemetery	1938
87Q	441	S	Police Station	1891
88Q	441	S	Police Station	1929
89Q	442	S	Police Station	1903
90Q	442	S	Police Station	1948
91S	442	SW	Unspecified Pit	1948
92R	443	SW	Cemetery	1891
93R	444	SW	Cemetery	1948
94R	444	SW	Cemetery	1903
95R	444	SW	Cemetery	1929
96S	444	SW	Unspecified Ground Workings	1929
97	449	S	Unspecified Tanks	1951
98	450	S	Gas Valve Compound	1987
99N	451	N	Detonator Works	1903
100U	461	S	Railway Sidings	1951
101	461	S	Railway Sidings	1967
102T	464	S	Railway Sidings	1948
103T	466	S	Railway Sidings	1938
104U	468	S	Railway Sidings	1903
105V	488	S	Railway Building	1903
106V	488	S	Railway Building	1948
107W	493	S	Railway Station	1850
108W	493	S	Railway Sidings	1850

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: 10

ID	Distance (m)	Direction	Use	Date
109L	361	S	Gasholder Station	1967
110L	365	S	Gas Works	1892
111X	382	S	Unspecified Tank	1959
112I	386	S	Gasometer	1892
113P	419	S	Unspecified Tank	1959
114P	419	S	Gas Holder	1967
115L	419	S	Unspecified Tank	1959
116L	424	S	Gasometer	1892
117Y	471	SW	Tanks	1968
118Y	474	SW	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: 31

ID	Distance (m)	Direction	Use	Date
119Z	192	SE	Electricity Substation	1967
120Z	192	SE	Electricity Substation	1984
121Z	193	SE	Electricity Substation	1983
122Z	193	SE	Electricity Substation	1959
123Z	193	SE	Electricity Substation	1959
124Z	194	SE	Electricity Substation	1998
125Z	194	SE	Electricity Substation	1999
126Z	194	SE	Electricity Substation	1993
127L	361	S	Gasholder Station	1967
128L	365	S	Gas Works	1892
129I	386	S	Gasometer	1892
130P	419	S	Gas Holder	1967
131AA	419	SE	Electricity Substation	1998
132AA	419	SE	Electricity Substation	1999
133AA	419	SE	Electricity Substation	1993
134AA	420	SE	Electricity Substation	1967
135AA	420	SE	Electricity Substation	1984
136AA	421	SE	Electricity Substation	1959
137AA	421	SE	Electricity Substation	1959
138AA	421	SE	Electricity Substation	1983
139L	424	S	Gasometer	1892

140AB	434	E	Electricity Substation	1999
141AB	434	E	Electricity Substation	1998
142AB	434	E	Electricity Substation	1993
143AB	435	E	Electricity Substation	1984
144AC	476	SW	Electricity Substation	1998
145AC	476	SW	Electricity Substation	1996
146AD	478	SW	Electricity Substation	1983
147AD	478	SW	Electricity Substation	1959
148AD	478	SW	Electricity Substation	1959
149AD	480	SW	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: 0

Database searched and no data found.

1.5 Additional Information – Historical Garage and Motor Vehicle Repair Database

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

Records of historical garage and motor vehicle repair sites within 500m of the search boundary: 12

ID	Distance (m)	Direction	Use	Date
150AE	163	S	Garage	1984
151AE	164	S	Garage	1993
152AE	166	S	Garage	1998
153AE	166	S	Garage	1999
154AE	183	S	Garage	1959
155AE	183	S	Garage	1983
156AE	183	S	Garage	1959
157AE	183	S	Garage	1967
158AF	449	SE	Garage	1967
159AF	459	SE	Garage	1983
160AF	459	SE	Garage	1959
161AF	459	SE	Garage	1959

1.6 Potentially Infilled Land

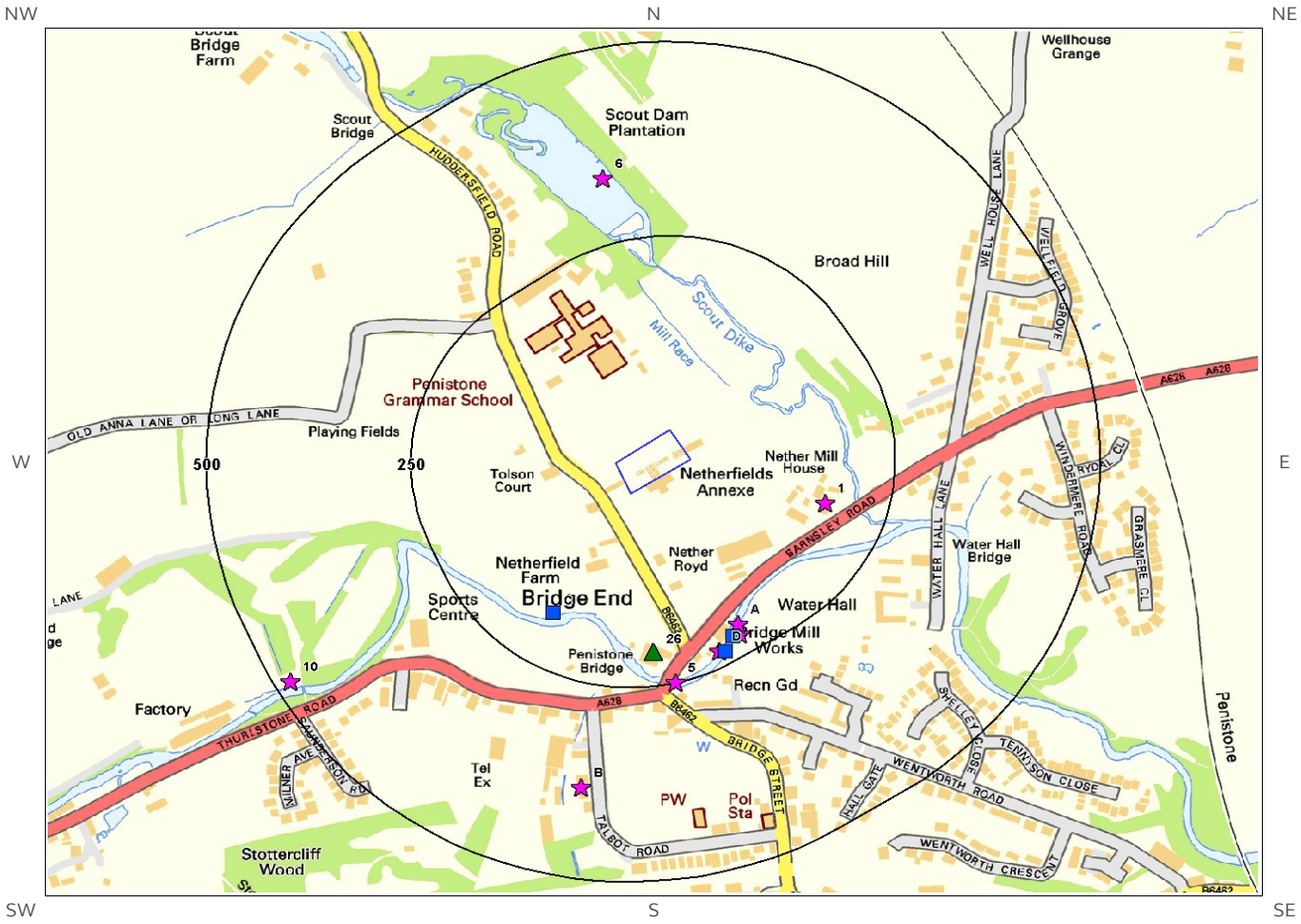
Records of Potentially Infilled Features from 1:10,000 scale mapping within 500m of the study site: 58

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

ID	Distance(m)	Direction	Use	Date
162D	146	S	Pond	1891
163D	147	S	Pond	1903
164D	147	S	Pond	1948
165D	149	SE	Pond	1951
166D	149	SE	Pond	1967
167D	153	SE	Pond	1938
168AH	237	N	Water Bodies	1948
169E	255	SW	Sewage Farm	1938
170E	255	SW	Sewage Farm	1938
171F	257	SE	Unspecified Pit	1951
172AG	259	N	Water Body	1938
173AG	259	N	Water Body	1891
174AH	260	N	Water Bodies	1903
175AH	262	N	Ponds	1967
176AH	262	N	Ponds	1987
177F	264	SE	Unspecified Pit	1938
178F	264	SE	Unspecified Pit	1938
179AH	264	N	Ponds	1951
180F	272	SE	Unspecified Pit	1903
181F	272	SE	Unspecified Pit	1948
182G	274	E	Unspecified Pit	1903
183G	274	E	Unspecified Pit	1948
184E	276	W	Sewage Farm	1951
185E	279	W	Sewage Farm	1948
186E	279	W	Sewage Farm	1903
187F	283	SE	Unspecified Pit	1987
188F	283	SE	Unspecified Pit	1967
189G	285	E	Unspecified Pit	1951
190G	288	E	Unspecified Pit	1938
191G	288	E	Unspecified Pit	1938
192H	297	W	Unspecified Heap	1938
193H	297	W	Unspecified Heap	1938
194H	298	W	Unspecified Heap	1951
195H	298	W	Unspecified Heap	1967
196K	359	E	Unspecified Ground Workings	1903
197K	362	E	Unspecified Ground Workings	1891

198K	394	E	Unspecified Ground Workings	1951
199K	398	E	Unspecified Ground Workings	1948
200O	412	E	Unspecified Ground Workings	1967
201O	424	E	Unspecified Pit	1938
202O	424	E	Unspecified Pit	1938
203AI	428	SW	Pond	1891
204AI	428	SW	Pond	1903
205R	437	SW	Cemetery	1987
206R	437	SW	Cemetery	1951
207R	437	SW	Cemetery	1967
208AI	438	SW	Unspecified Pit	1938
209AI	438	SW	Unspecified Pit	1938
210	438	NW	Ponds	1891
211AJ	439	W	Refuse Heap	1967
212R	441	SW	Cemetery	1938
213AD	442	SW	Pond	1951
214S	442	SW	Unspecified Pit	1948
215R	443	SW	Cemetery	1891
216R	444	SW	Cemetery	1903
217R	444	SW	Cemetery	1948
218AI	444	SW	Pond	1938
219AI	445	SW	Pond	1948

2. Environmental Permits, Incidents and Registers Map



- Site Outline
- Search Buffers (m) (250, 500)
- Recorded Pollution Incident
- Dangerous Substances (List 1)
- Dangerous Substances (List 2)
- Water Industry Referrals
- Licenced Discharge Consents
- Red List Discharge Consents
- RAS 3 & 4 Authorisations
- Part A(1) Authorised Processes and Historic IPC Authorisations
- Part A(2) and Part B Authorised Processes
- COMAH / NIHHS Sites
- Sites Determined as Contaminated Land
- Hazardous Substance Consents and Enforcements

2. Environmental Permits, Incidents and Registers

2.1 Industrial Sites Holding Licences and/or Authorisations

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

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

0

Database searched and no data found.

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

0

Database searched and no data found.

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

0

Database searched and no data found.

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

0

Database searched and no data found.

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

0

Database searched and no data found.

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

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	
26	207	S	424343 403698	Address: Bridge End Garage, Barnsley Road, Penistone, Sheffield, S36 8AF Process: Unloading of Petrol into Storage at Service Stations Status: Current Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of Enforcement: No Enforcement Notified Comment: No Enforcement Notified

2.1.7 Records of Category 3 or 4 Radioactive Substances Authorisations:

0

Database searched and no data found.

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

15

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

ID	Distance (m)	Direction	NGR	Details	
11C	181	SW	424220 403750	Address: INGBIRCHWORTH STW, HUDDERSFIELD ROAD, PENISTONE, BARNSLEY, SOUTH YORKSHIRE Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: WRA7365 Permit Version: 2	Receiving Water: RIVER DON & INGBIRCHWORTH DYKE Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 09/09/1998 Effective Date: 09-Sep-1998 Revocation Date: 10/09/2003
12C	181	SW	424220 403750	Address: INGBIRCHWORTH STW, HUDDERSFIELD ROAD, PENISTONE, BARNSLEY, SOUTH YORKSHIRE Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: WRA7365 Permit Version: 4	Receiving Water: RIVER DON & INGBIRCHWORTH DYKE Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 11/09/2003 Effective Date: 01-Jan-2004 Revocation Date: 31/03/2009
13C	181	SW	424220 403750	Address: INGBIRCHWORTH STW, HUDDERSFIELD ROAD, PENISTONE, BARNSLEY, SOUTH YORKSHIRE Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: WRA7365 Permit Version: 2	Receiving Water: RIVER DON & INGBIRCHWORTH DYKE Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 09/09/1998 Effective Date: 09-Sep-1998 Revocation Date: 10/09/2003

ID	Distance (m)	Direction	NGR	Details	
14C	181	SW	424220 403750	Address: INGBIRCHWORTH STW, HUDDERSFIELD ROAD, PENISTONE, BARNSLEY, SOUTH YORKSHIRE Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: WRA7365 Permit Version: 4	Receiving Water: RIVER DON & INGBIRCHWORTH DYKE Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 11/09/2003 Effective Date: 01-Jan-2004 Revocation Date: 31/03/2009
15C	181	SW	424220 403750	Address: INGBIRCHWORTH STW, HUDDERSFIELD ROAD, PENISTONE, BARNSLEY, SOUTH YORKSHIRE Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: WRA7365 Permit Version: 6	Receiving Water: RIVER DON & INGBIRCHWORTH DYKE Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 01/04/2010 Effective Date: 01-Apr-2010 Revocation Date: 16/04/2012
16C	181	SW	424220 403750	Address: INGBIRCHWORTH STW, HUDDERSFIELD ROAD, PENISTONE, BARNSLEY, SOUTH YORKSHIRE Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: WRA7365 Permit Version: 6	Receiving Water: RIVER DON & INGBIRCHWORTH DYKE Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 01/04/2010 Effective Date: 01-Apr-2010 Revocation Date: 16/04/2012
17C	181	SW	424220 403750	Address: INGBIRCHWORTH STW, HUDDERSFIELD ROAD, PENISTONE, BARNSLEY, SOUTH YORKSHIRE Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: WRA7365 Permit Version: 1	Receiving Water: RIVER DON Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY Issue date: 24/10/1997 Effective Date: 24-Oct-1997 Revocation Date: 08/09/1998
18C	181	SW	424220 403750	Address: INGBIRCHWORTH STW, HUDDERSFIELD ROAD, PENISTONE, BARNSLEY, SOUTH YORKSHIRE Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: WRA7365 Permit Version: 1	Receiving Water: RIVER DON Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY Issue date: 24/10/1997 Effective Date: 24-Oct-1997 Revocation Date: 08/09/1998
19C	181	SW	424220 403750	Address: INGBIRCHWORTH STW, HUDDERSFIELD ROAD, PENISTONE, BARNSLEY, SOUTH YORKSHIRE Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: WRA7365 Permit Version: 3	Receiving Water: RIVER DON & INGBIRCHWORTH DYKE Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 11/09/2003 Effective Date: 11-Sep-2003 Revocation Date: 31/12/2003
20C	181	SW	424220 403750	Address: INGBIRCHWORTH STW, HUDDERSFIELD ROAD, PENISTONE, BARNSLEY, SOUTH YORKSHIRE Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: WRA7365 Permit Version: 3	Receiving Water: RIVER DON & INGBIRCHWORTH DYKE Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 11/09/2003 Effective Date: 11-Sep-2003 Revocation Date: 31/12/2003
21C	181	SW	424220 403750	Address: INGBIRCHWORTH STW, HUDDERSFIELD ROAD, PENISTONE, BARNSLEY, SOUTH YORKSHIRE Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: WRA7365 Permit Version: 5	Receiving Water: RIVER DON & INGBIRCHWORTH DYKE Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 14/10/2008 Effective Date: 01-Apr-2009 Revocation Date: 31/03/2010

ID	Distance (m)	Direction	NGR	Details	
22C	181	SW	424220 403750	Address: INGBIRCHWORTH STW, HUDDERSFIELD ROAD, PENISTONE, BARNSLEY, SOUTH YORKSHIRE Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: WRA7365 Permit Version: 5	Receiving Water: RIVER DON & INGBIRCHWORTH DYKE Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 14/10/2008 Effective Date: 01-Apr-2009 Revocation Date: 31/03/2010
23C	181	SW	424220 403750	Address: INGBIRCHWORTH STW, HUDDERSFIELD ROAD, PENISTONE, BARNSLEY, SOUTH YORKSHIRE Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: WRA7365 Permit Version: 7	Receiving Water: RIVER DON & INGBIRCHWORTH DYKE Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 17/04/2012 Effective Date: 17-Apr-2012 Revocation Date: -
24A	222	SE	424440 403720	Address: WENTWORTH/BRIDGE END CSO, WENTWORTH ROAD, PENISTONE, SHEFFIELD, SOUTH YORKSHIRE Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: C4960 Permit Version: 1	Receiving Water: RIVER DON Status: TRANSFERRED FROM COPA 1974 Issue date: 27/01/1988 Effective Date: 27-Jan-1988 Revocation Date: 03/06/2007
25D	234	SE	424430 403700	Address: WENTWORTH/BRIDGE END CSO, WENTWORTH ROAD, PENISTONE, SHEFFIELD, SOUTH YORKSHIRE Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: C4960 Permit Version: 2	Receiving Water: RIVER DON Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 04/06/2007 Effective Date: 04-Jun-2007 Revocation Date: -

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:

10

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	173	E	424552 403892	Incident Date: 31-Jul-2003 Incident Identification: 178220 Pollutant: Sewage Materials Pollutant Description: Crude Sewage	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
2A	211	SE	424445 403735	Incident Date: 12-Feb-2003 Incident Identification: 136409 Pollutant: Sewage Materials Pollutant Description: Crude Sewage	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
3A	223	SE	424448 403723	Incident Date: 22-Feb-2003 Incident Identification: 138614 Pollutant: Sewage Materials Pollutant Description: Crude Sewage	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
4D	229	SE	424422 403701	Incident Date: 03-Mar-2003 Incident Identification: 140520 Pollutant: Sewage Materials Pollutant Description: Crude Sewage	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
5	249	S	424369 403660	Incident Date: 14-Sep-2003 Incident Identification: 189690 Pollutant: Sewage Materials Pollutant Description: Crude Sewage	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
6	335	N	424280 404310	Incident Date: 08-Oct-2004 Incident Identification: 270865 Pollutant: Other Pollutant Pollutant Description: Other	Water Impact: Category 1 (Major) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
7B	384	S	424253 403525	Incident Date: 10-May-2003 Incident Identification: 157261 Pollutant: Atmospheric Pollutants and Effects:Atmospheric Pollutants and Effects Pollutant Description: Fumes:Smoke	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
8B	384	S	424253 403525	Incident Date: 10-May-2003 Incident Identification: 157261 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Smoke	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
9B	384	S	424253 403525	Incident Date: 10-May-2003 Incident Identification: 157261 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Fumes	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
10	481	SW	423899 403662	Incident Date: 17-Aug-2004 Incident Identification: 260087 Pollutant: Specific Waste Materials Pollutant Description: Commercial Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 2 (Significant) 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.

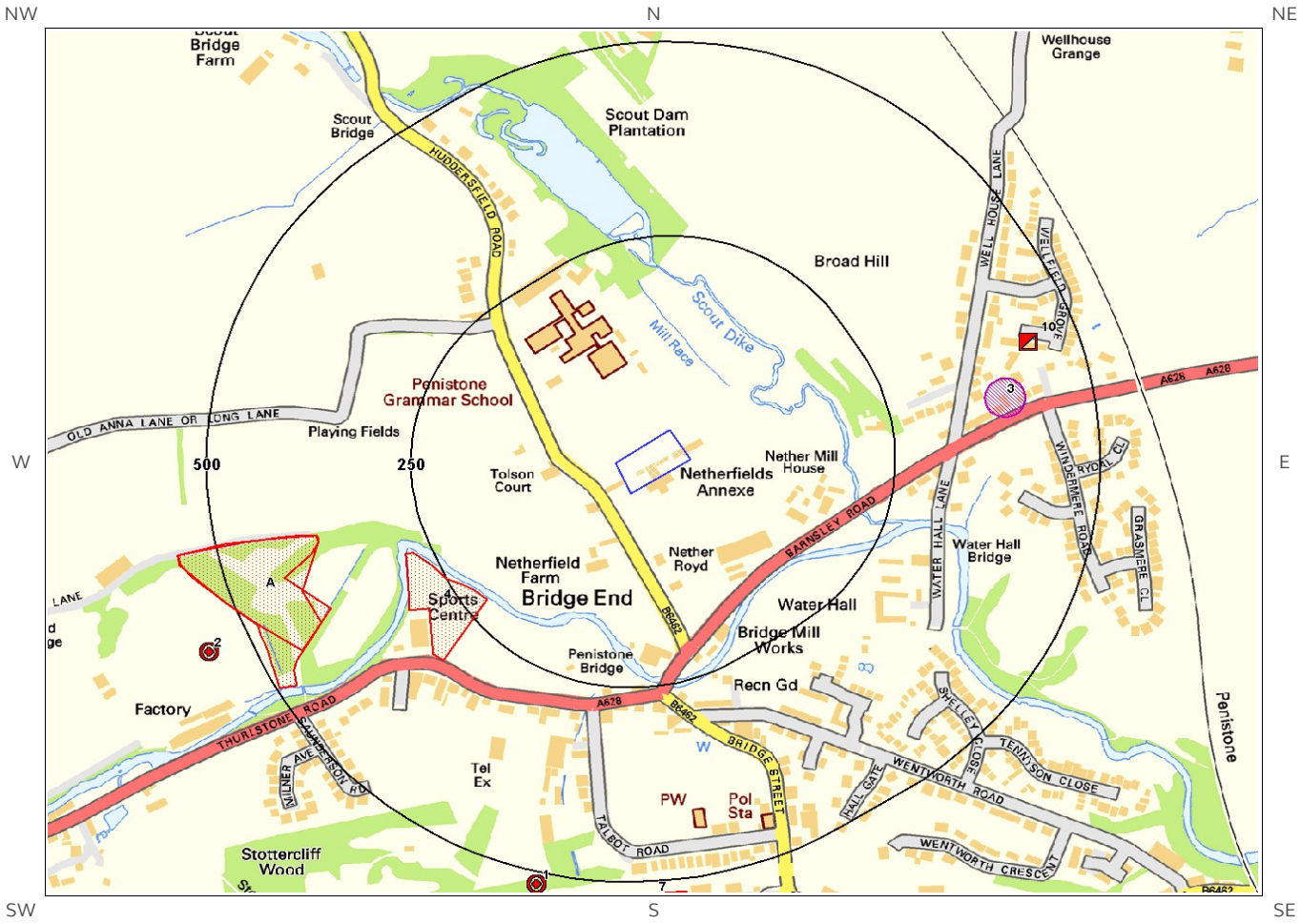
2.4 Sites Determined as Contaminated Land under Part 2A EPA 1990

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



Site Outline

250 / 500 Search Buffers (m)

EA/NRW Active Landfill

EA/NRW Historic Landfill

BGS / DoE Survey Landfill

Historic and Planned Waste Sites

EA/NRW Licensed Waste Site

Local Authority/Historical Mapping Landfill Records

3. Landfill and Other Waste Sites

3.1 Landfill Sites

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

0

Database searched and no data found.

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

6

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	
4	222	SW	424000 403700	Site Address: T.A. Centre, Thurlstone Road, Penistone, Sheffield Waste Licence: Yes Site Reference: 4400/(33), WD20 B261 Waste Type: Inert, Commercial Environmental Permitting Regulations (Waste) Reference: -	Licence Issue: 07-May-1982 Licence Surrendered: 29-Apr-1994 Licence Holder Address: Nethfield Farm, Huddersfield Road, Penistone Operator: A Gill Licence Holder: Mr A Gill First Recorded: 07-May-1982 Last Recorded: 29-Apr-1994
5A	376	W	423800 403700	Site Address: Thurlstone Road, Penistone, South Yorkshire Waste Licence: - Site Reference: - Waste Type: Industrial, Commercial, Liquid sludge Environmental Permitting Regulations (Waste) Reference: -	Licence Issue: Licence Surrendered: Licence Holder Address: - Operator: Penistone Urban District Council Licence Holder: - First Recorded: - Last Recorded: -
6A	377	W	423800 403700	Site Address: Thurlstone Road, Penistone, South Yorkshire Waste Licence: Yes Site Reference: 20B261(33), 4400/B261, (117)B Waste Type: Household Environmental Permitting Regulations (Waste) Reference: -	Licence Issue: 07-May-1982 Licence Surrendered: Licence Holder Address: - Operator: - Licence Holder: - First Recorded: - Last Recorded: -

ID	Distance (m)	Direction	NGR	Details	
7	516	S	424200 403300	Site Address: Stottercliffe Road, Penistone, South Yorkshire Waste Licence: Yes Site Reference: 20B60(10), 4400/B60, WD20 B60 Waste Type: Inert, Industrial Environmental Permitting Regulations (Waste) Reference: -	Licence Issue: 03-Apr-1978 Licence Surrendered: 09-Dec-1985 Licence Holder Address: 12/18 Eldon Street, Barnsley Operator: Penistone Urban District Council Licence Holder: Barnsley Metropolitan Borough Council Amenities and Recreation Dept First Recorded: 30-Apr-1978 Last Recorded: 31-Dec-1984
Not shown	1063	SE	425100 403100	Site Address: Penistone Church, Churchfield Road, Penistone Waste Licence: Yes Site Reference: WD20 B546, 4400/B546, 20B546(104) Waste Type: Inert, Industrial Environmental Permitting Regulations (Waste) Reference: -	Licence Issue: 02-Feb-1987 Licence Surrendered: 28-Sep-1993 Licence Holder Address: Foundries Fabrication Divisions, Penistone, Sheffield Operator: David Brown Gear Industries Limited Licence Holder: David Brown Gear Industries First Recorded: 02-Feb-1987 Last Recorded: 31-Dec-1991
Not shown	1444	S	424700 402400	Site Address: Mortimer Road, Cubley, Sheffield Waste Licence: - Site Reference: 4400/(34) Waste Type: - Environmental Permitting Regulations (Waste) Reference: -	Licence Issue: Licence Surrendered: Licence Holder Address: - Operator: G Longden Homes Limited Licence Holder: G Lonigden First Recorded: - Last Recorded: -

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

2

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

ID	Distance (m)	Direction	NGR	Details	
1	517	S	424200.0 403400.0	Address: Stottercliffe Road, Penistone, S Yorkshire BGS Number: 714.0	Risk: No risk to aquifer Waste Type: N/A
2	553	SW	423800.0 403700.0	Address: Thurlstone Road, Penistone, S Yorkshire BGS Number: 715.0	Risk: Risk to minor aquifer Waste Type: N/A

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

3

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

ID	Distance (m)	Direction	NGR	Site Address	Source	Data Type
Not shown	529	S	424219 403346	Refuse Tip	1993 mapping	Polygon

ID	Distance (m)	Direction	NGR	Site Address	Source	Data Type
Not shown	577	S	424272 403298	Refuse Tip	1993 mapping	Polygon
Not shown	1401	SW	423072 403147	Refuse Tip	1996 mapping	Polygon

3.2 Other Waste Sites

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

1

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		
3	367	E	424772 404026	Type of Site: Contract Cleaning Business/Waste Transfer Station (Conversion) Site Address: 33 Barnsley Road, Penistone, SHEFFIELD, South Yorkshire, S36 8AE	Planning Application Reference: B/02/1480/PU Date: -	Further Details: Scheme comprises of conversion to contract cleaning business and waste transfer station. An application (ref: B/02/1480/PU) for Detailed Planning permission was submitted to Barnsley B.C. on 11th October 2002. Data Source: Historic Planning Application Data Type: Point

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

7

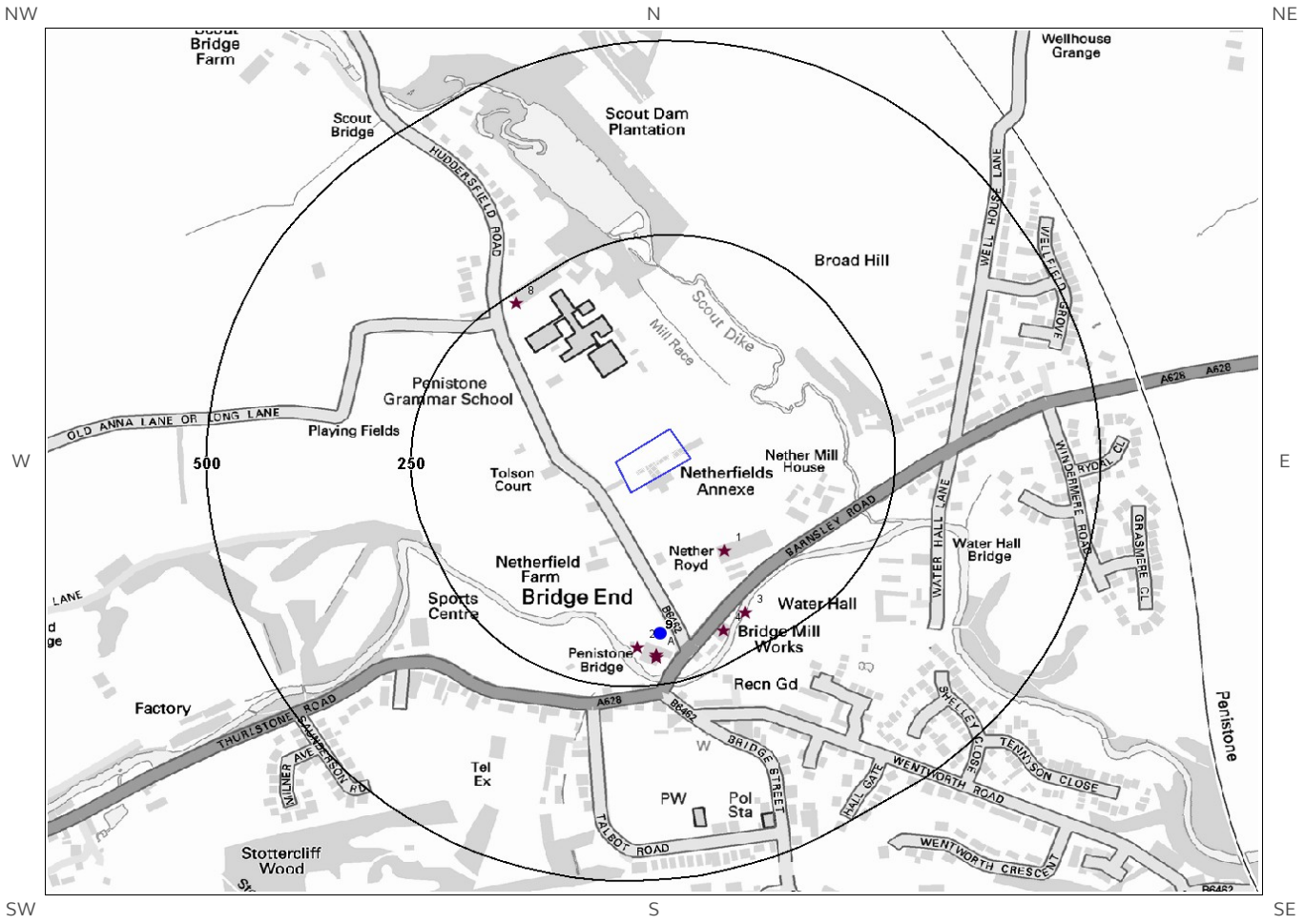
The following waste treatment, transfer or disposal sites records are represented as points on the Landfill and Other Waste Sites map:

ID	Distance (m)	Direction	NGR	Details	
10	439	E	424800 404100	Site Address: 33, Barnsley Road, Penistone, Sheffield, South Yorkshire, S36 8AE Type: Clinical Waste Transfer Station Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: WOO002 EPR reference: EA/EPR/MP3592ZW/S003 Operator: Wood Kathrine Waste Management licence No: 65253 Annual Tonnage: 0.0	Issue Date: 30/01/2003 Effective Date: - Modified: 16/08/2010 Surrendered Date: 18/04/2012 Expiry Date: - Cancelled Date: - Status: Surrendered Site Name: U K Hygiene Correspondence Address: -

ID	Distance (m)	Direction	NGR	Details	
Not shown	1454	SE	425670 403260	Site Address: Penistone H W R C, Sheffield Road, Springvale, Penistone, Barnsley, South Yorkshire, S36 6HJ Type: Household Waste Amenity Site Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: WAS068 EPR reference: EA/EPR/DP3992ST/V002 Operator: F C C Recycing (U K) Limited Waste Management licence No: 60607 Annual Tonnage: 24999.0	Issue Date: 14/06/1993 Effective Date: 26/01/2009 Modified: 23/11/2012 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified Site Name: Penistone Household Waste Recycling Centre Correspondence Address: -
Not shown	1454	SE	425670 403260	Site Address: Sheffield Road, Springvale, Penistone, Barnsley, South Yorkshire, S36 6HJ Type: Household Waste Amenity Site Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: WAS068 EPR reference: EA/EPR/DP3992ST/T001 Operator: Waste Recycling Ltd Waste Management licence No: 60607 Annual Tonnage: 24999.0	Issue Date: 14/06/1993 Effective Date: 26/01/2009 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred Site Name: Springvale H W R C Site Correspondence Address: -
Not shown	1454	SE	425670 403260	Site Address: Penistone H W R C, Sheffield Road, Springvale, Penistone, Barnsley, South Yorkshire, S36 6HJ Type: Household Waste Amenity Site Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: WAS068 EPR reference: EA/EPR/DP3992ST/V002 Operator: F C C Recycling (U K) Limited Waste Management licence No: 60607 Annual Tonnage: 24999.0	Issue Date: 14/06/1993 Effective Date: 26/01/2009 Modified: 23/11/2012 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified Site Name: Penistone Household Waste Recycling Centre Correspondence Address: -
Not shown	1454	SE	425670 403260	Site Address: Springvale, Penistone, Barnsley, S Yorks Type: Household, Commercial & Industrial Waste T Stn Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: REG005 EPR reference: - Operator: Regional Waste Recycling Plc Waste Management licence No: 60607 Annual Tonnage: 5000.0	Issue Date: 14/06/1993 Effective Date: 08/12/2006 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred Site Name: Springvale Civic Amenity Site Correspondence Address: 2 Cecil Court, 49-55, London Road, Enfield, Middlesex, EN2 6DE
Not shown	1454	SE	425670 403260	Site Address: Springvale, Penistone, Barnsley, S Yorks Type: Household, Commercial & Industrial Waste T Stn Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: BDR011 EPR reference: - Operator: South Herts Waste Management Ltd Waste Management licence No: 60607 Annual Tonnage: 0.0	Issue Date: 14/06/1993 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued Site Name: Springvale Civic Amenity Site Correspondence Address: 48, Cardigan Road, Stanion, Northants, NN14 1BY

ID	Distance (m)	Direction	NGR	Details	
Not shown	1454	SE	425670 403260	Site Address: Sheffield Road, Springvale, Penistone, Barnsley, South Yorkshire, S36 6HJ Type: Household, Commercial & Industrial Waste T Stn Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: WAS068 EPR reference: EA/EPR/DP3992ST/T001 Operator: Waste Recycling Ltd Waste Management licence No: 60607 Annual Tonnage: 24999.0	Issue Date: 14/06/1993 Effective Date: 26/01/2009 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred Site Name: Springvale H W R C Site Correspondence Address: Ground Floor West, 900, Pavilion Drive, Northampton Business Park, Northampton, NN4 7RG

4. Current Land Use Map



Site Outline

Search Buffers (m)
250
500

Current Industrial Sites

Petrol & Fuel Sites

Electricity Transmission Cables

Gas Transmission Pipelines

4. Current Land Uses

4.1 Current Industrial Data

Records of potentially contaminative industrial sites within 250m of the study site: 8

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

ID	Distance (m)	Direction	Company	NGR	Address	Activity	Category
1	122	SE	Depot	424429 403830	S36	Container and Storage	Transport, Storage and Delivery
2	199	S	Eco-thermal Design Ltd	424323 403705	Bridge End, Penistone, Sheffield, S36 7AH	Conservatories	Consumer Products
3	203	SE	Electricity Sub Station	424454 403750	S36	Electrical Features	Infrastructure and Facilities
4	209	SE	Bridge Mill Works	424428 403727	S36	Unspecified Works Or Factories	Industrial Features
5A	210	S	Penistone Tyres Ltd	424345 403696	Bridge End Garage, Bridge End, Penistone, Sheffield, S36 7AH	Vehicle Parts and Accessories	Motoring
6A	214	S	Bridge End Garage	424346 403692	Barnsley Road, Penistone, Sheffield, S36 8AF	Petrol and Fuel Stations	Road and Rail
7A	214	S	Bridge End Service Station	424346 403692	Barnsley Road, Huddersfield Road, Penistone, Sheffield, South Yorkshire, S36 8AF	Petrol and Fuel Stations	Road and Rail
8	238	NW	Electricity Sub Station	424175 404148	S36	Electrical Features	Infrastructure and 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
9	185	S	424351 403722	Jet	Bridge End Service Station, Barnsley Road, Barnsley Road, Huddersfield Road, Penistone, Sheffield, South Yorkshire, S36 8AF	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

Database searched and no data found.

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

5.3 Bedrock and Solid Geology

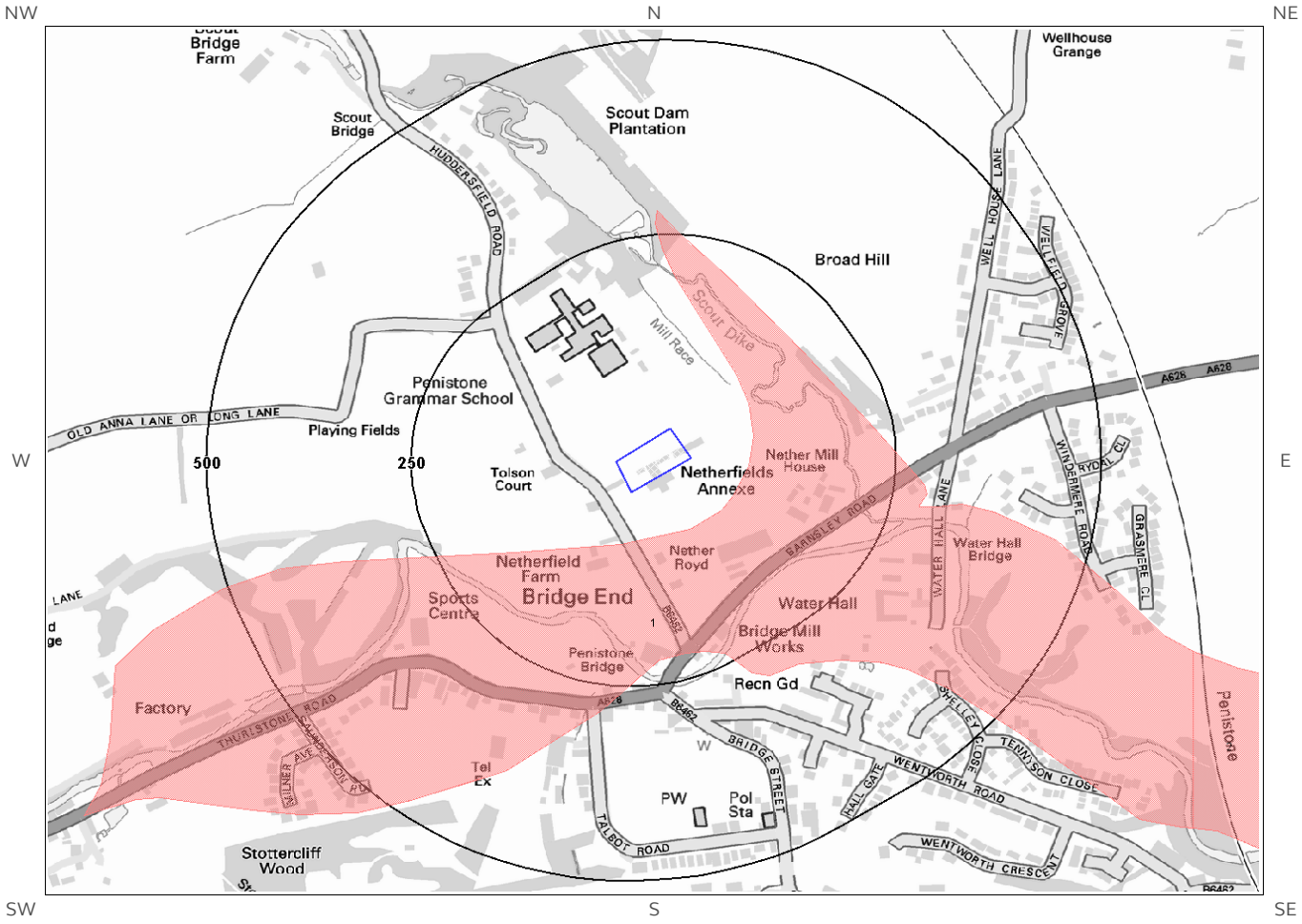
The database has been searched on site, including a 50m buffer.

Lex Code	Description	Rock Type
PLCM-MDSI	PENNINE LOWER COAL MEASURES FORMATION	MUDSTONE AND SILTSTONE
PF-SDST	PENISTONE FLAGS	SANDSTONE
PLCM-MDSI	PENNINE LOWER COAL MEASURES FORMATION	MUDSTONE AND SILTSTONE

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

6 Hydrogeology and Hydrology

6a. Aquifer Within Superficial Geology



Site Outline

250

500

Search Buffers (m)

Principal Aquifer

Secondary (A) Aquifer - Permeable Layers

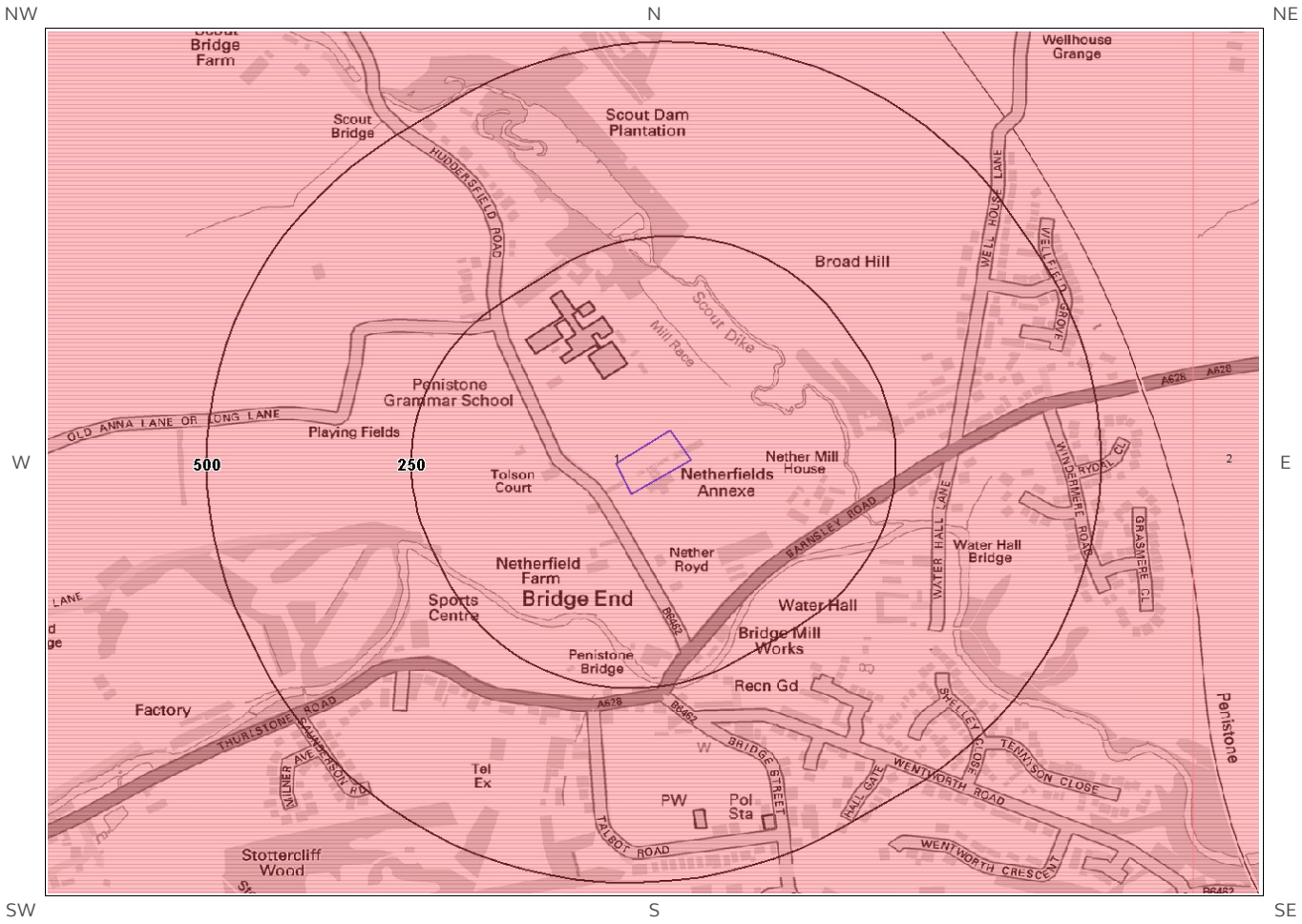
Secondary (B) Aquifer - Lower Permeability Layers

Secondary Aquifer - Undifferentiated Layers

Unproductive

Unknown (lakes and landslip)

6b. Aquifer Within Bedrock Geology and Abstraction Licenses



Site Outline

250
500
Search Buffers (m)

Principal Aquifer

Secondary (A) Aquifer - Permeable Layers

Secondary (B) Aquifer - Lower Permeability Layers

Groundwater Abstraction Licence

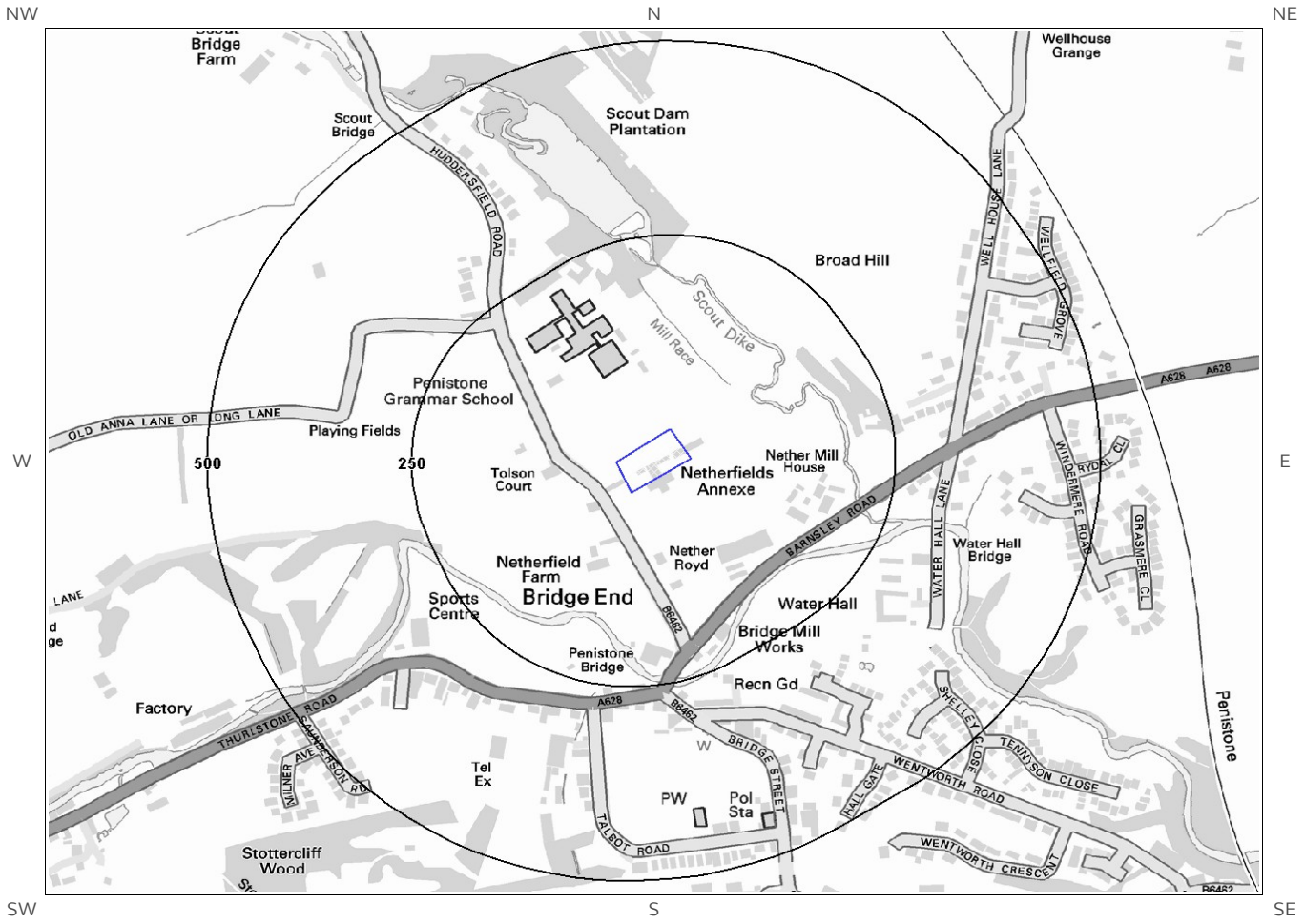
Secondary Aquifer - Undifferentiated Layers

Unproductive

Unknown (lakes and landslip)

Surface Water Abstraction Licence

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



Site Outline

250
500
Search Buffers (m)

Source Protection Zone 1 - Inner Catchment

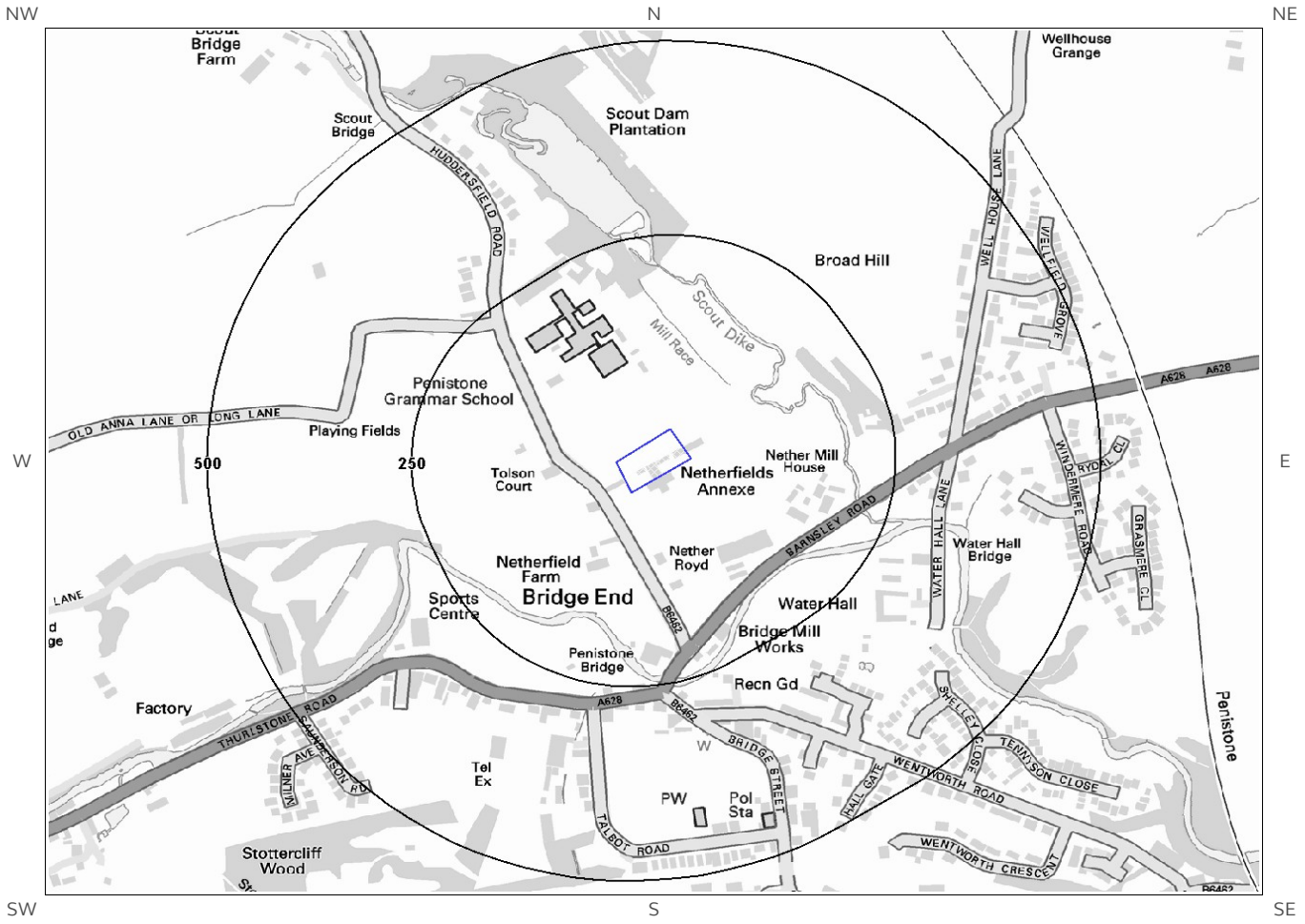
Source Protection Zone 2 - Outer Catchment

Source Protection Zone 3 - Total Catchment

Source Protection Zone 4 - Zone of Special Interest

Potable Water Abstraction Licence

6d. Hydrogeology – Source Protection Zones within confined aquifer



Source Protection Zone 1 - Inner Catchment

Source Protection Zone 2C - Outer Catchment within Confined Aquifer

Source Protection Zone 3C - Total Catchment within Confined Aquifer

Potable Water Abstraction Licence

Site Outline

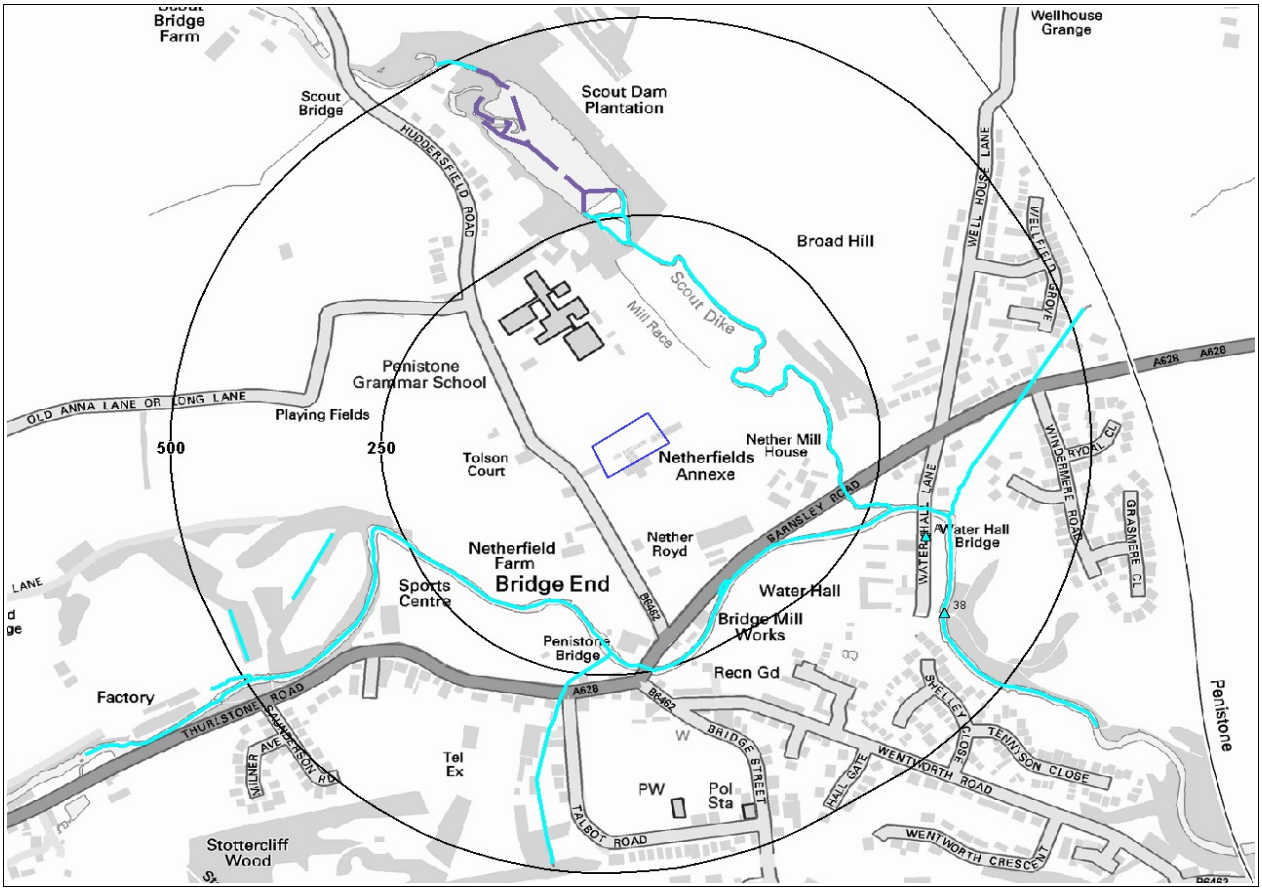
250
500
Search Buffers (m)

6e. Hydrology – Watercourse Network and River Quality

NW N NE

W E

SW S SE



Site Outline

250
500
Search Buffers (m)

Tidal River
Inland River
Underground or Elevated Tidal River
Underground or Elevated Inland River
Foreshore
General Quality Assessment: Chemistry

Canal
Underground or Elevated Canal
Lock or Flight of Locks
Lake, Reservoir, or Marsh
Drain or Transfer
General Quality Assessment: Biology

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	62	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

6.2 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	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	
Not shown	1213	SE	425000 402900	Status: Historical Licence No: 2/27/05/010 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Groundwaters Point: Borehole X2 - Coal Measures - Penistone Data Type: Point Name: WILLIAM COOK HI-TEC INTEGRITY LTD	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: 45 Original Start Date: 7/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 31/5/1996 Version End Date:
Not shown	1213	SE	425000 402900	Status: Historical Licence No: 2/27/05/010 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Groundwaters Point: Borehole X2 Data Type: Point Name: WILLIAM COOK HI-TEC INTEGRITY LTD	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: 45 Original Start Date: 7/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 31/5/1996 Version End Date:
Not shown	1357	N	424700 405300	Status: Historical Licence No: 2/27/08/077 Details: General Farming & Domestic Direct Source: Groundwaters Point: Spring 2 - Cherry Tree Farm Penistone Data Type: Point Name: WHITTLESTONE	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: 02998 Original Start Date: 26/5/1966 Expiry Date: - Issue No: 100 Version Start Date: 30/6/1976 Version End Date:
Not shown	1357	N	424700 405700	Status: Historical Licence No: 2/27/08/077 Details: General Farming & Domestic Direct Source: Groundwaters Point: Spring Data Type: Line Name: WHITTLESTONE	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: 2998 Original Start Date: 26/5/1966 Expiry Date: - Issue No: 100 Version Start Date: 30/6/1976 Version End Date:
Not shown	1398	N	424840 405300	Status: Historical Licence No: 2/27/08/084 Details: General Farming & Domestic Direct Source: Groundwaters Point: Spring Fed Trough Data Type: Point Name: LINLEY	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: 04983 Original Start Date: 26/2/1969 Expiry Date: - Issue No: 100 Version Start Date: 7/1/1970 Version End Date:
Not shown	1747	N	424700 405700	Status: Historical Licence No: 2/27/08/077 Details: General Farming & Domestic Direct Source: Groundwaters Point: Spring 1 - Cherry Tree Farm Data Type: Point Name: WHITTLESTONE	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: 02998 Original Start Date: 26/5/1966 Expiry Date: - Issue No: 100 Version Start Date: 30/6/1976 Version End Date:

6.4 Surface Water Abstraction Licences

Surface Water Abstraction Licences within 2000m of the study site	None identified

Database searched and no data found.

6.5 Potable Water Abstraction Licences

Potable Water Abstraction Licences within 2000m of the study site	None identified

Database searched and no data found.

6.6 Source Protection Zones

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

Database searched and no data found.

6.7 Source Protection Zones within Confined Aquifer

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

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

Database searched and no data found.

6.8 Groundwater Vulnerability and Soil Leaching Potential

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

Distance (m)	Direction	Classification	Soil Vulnerability Category	Description
0	On Site	Minor Aquifer/Low Leaching Potential	L	Soils in which pollutants are unlikely to penetrate the soil layer because either water movement is largely horizontal, or they have the ability to attenuate diffuse pollutants.
205	W	Minor Aquifer/High Leaching Potential	H3	Coarse textured or moderately shallow soils which readily transmit non-adsorbed pollutants and liquid discharges but have some ability to attenuate adsorbed pollutants because of their clay or organic matter content.

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
33A	326	E	424692 403828	River Name: Don Reach: Scout Dyke Cubley Brook End/Start of Stretch: Start of Stretch NGR	D	D	D	C	C
Not shown	1061	NW	423617 404758	River Name: Scout Dike Reach: Fox Hill River Don End/Start of Stretch: End of Stretch NGR	C	C	C	C	C
Not shown	1300	SE	425537 403338	River Name: Don Reach: Scout Dyke Cubley Brook End/Start of Stretch: End of Stretch NGR	D	D	D	C	C

6.9.2 Chemical Quality:

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

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

					Chemical Quality Grade				
ID	Distance (m)	Direction	NGR	River Quality Grade	2005	2006	2007	2008	2009
36A	326	E	424692 403828	River Name: River Don Reach: Bullhouse Minewater Scout Dyke End/Start of Stretch: End of Stretch NGR	B	B	A	A	A
37A	326	E	424692 403828	River Name: River Don Reach: Scout Dyke Cubley Brook End/Start of Stretch: Start of Stretch NGR	A	A	A	A	A
38	392	SE	424715 403731	River Name: River Don Reach: Scout Dyke Cubley Brook End/Start of Stretch: Sample Point NGR	A	A	A	A	A
Not shown	1300	SE	425537 403338	River Name: River Don Reach: Cubley Brook Cheesebottom Stw End/Start of Stretch: Start of Stretch NGR	A	A	A	A	A
Not shown	1300	SE	425537 403338	River Name: River Don Reach: Scout Dyke Cubley Brook 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	108 NE	Scout Dike	Inland river not influenced by normal tidal action.	Catchment Area: Don and Rother Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 5.5

ID	Distance/ Direction	Name	Type of Watercourse	Additional Details
40	108 NE	Scout Dike	Inland river not influenced by normal tidal action.	Catchment Area: Don and Rother Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 5.5
2	165 S	River Don	Inland river not influenced by normal tidal action.	Catchment Area: Don and Rother Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 8.9
41	165 S	River Don	Inland river not influenced by normal tidal action.	Catchment Area: Don and Rother Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 8.9
3	177 SE	River Don	Inland river not influenced by normal tidal action.	Catchment Area: Don and Rother Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 7.9
42	177 SE	River Don	Inland river not influenced by normal tidal action.	Catchment Area: Don and Rother Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 7.9
4	184 SE	-	Inland river not influenced by normal tidal action.	Catchment Area: Don and Rother Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): Not Provided
43	184 SE	-	Inland river not influenced by normal tidal action.	Catchment Area: Don and Rother Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): Not Provided
5	188 SE	River Don	Inland river not influenced by normal tidal action.	Catchment Area: Don and Rother Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 8.3
44	188 SE	River Don	Inland river not influenced by normal tidal action.	Catchment Area: Don and Rother Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 8.3
6	198 SE	River Don	Inland river not influenced by normal tidal action.	Catchment Area: Don and Rother Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 7.9
45	198 SE	River Don	Inland river not influenced by normal tidal action.	Catchment Area: Don and Rother Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 7.9
7	217 N	-	Inland river not influenced by normal tidal action.	Catchment Area: Don and Rother Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 4.7

ID	Distance/ Direction	Name	Type of Watercourse	Additional Details
8	217 N	Scout Dike	Inland river not influenced by normal tidal action.	Catchment Area: Don and Rother Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 4.6
46	217 N	-	Inland river not influenced by normal tidal action.	Catchment Area: Don and Rother Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 4.7
47	217 N	Scout Dike	Inland river not influenced by normal tidal action.	Catchment Area: Don and Rother Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 4.6
9	221 S	-	Inland river not influenced by normal tidal action.	Catchment Area: Don and Rother Relationship to Ground Level: Not provided Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): Not Provided
48	221 S	-	Inland river not influenced by normal tidal action.	Catchment Area: Don and Rother Relationship to Ground Level: Not provided Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): Not Provided
10	251 N	Scout Dike	Inland river not influenced by normal tidal action.	Catchment Area: Don and Rother Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 23.3
11	251 N	-	Inland river not influenced by normal tidal action.	Catchment Area: Don and Rother Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 4.6
49	251 N	Scout Dike	Inland river not influenced by normal tidal action.	Catchment Area: Don and Rother Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 23.3
50	251 N	-	Inland river not influenced by normal tidal action.	Catchment Area: Don and Rother Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 4.6
12	255 N	-	Inland river not influenced by normal tidal action.	Catchment Area: Don and Rother Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 8.3
51	255 N	-	Inland river not influenced by normal tidal action.	Catchment Area: Don and Rother Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 8.3
13	260 S	-	Inland river not influenced by normal tidal action.	Catchment Area: Don and Rother Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): Not Provided

ID	Distance/ Direction	Name	Type of Watercourse	Additional Details
52	260 S	-	Inland river not influenced by normal tidal action.	Catchment Area: Don and Rother Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): Not Provided
14	264 N	-	Lake, loch or reservoir.	Catchment Area: Don and Rother Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 28.7
53	264 N	-	Lake, loch or reservoir.	Catchment Area: Don and Rother Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 28.7
15	277 E	River Don	Inland river not influenced by normal tidal action.	Catchment Area: Don and Rother Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 9.8
54	277 E	River Don	Inland river not influenced by normal tidal action.	Catchment Area: Don and Rother Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 9.8
16	285 N	Scout Dike	Lake, loch or reservoir.	Catchment Area: Don and Rother Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 11.1
Not shown	285 N	Scout Dike	Lake, loch or reservoir.	Catchment Area: Don and Rother Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 11.1
17	290 N	Scout Dike	Lake, loch or reservoir.	Catchment Area: Don and Rother Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 62.1
Not shown	290 N	Scout Dike	Lake, loch or reservoir.	Catchment Area: Don and Rother Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 62.1
18	314 S	-	Inland river not influenced by normal tidal action.	Catchment Area: Don and Rother Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 1.3
Not shown	314 S	-	Inland river not influenced by normal tidal action.	Catchment Area: Don and Rother Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 1.3
19	327 W	-	Inland river not influenced by normal tidal action.	Catchment Area: Don and Rother Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): Not Provided

ID	Distance/ Direction	Name	Type of Watercourse	Additional Details
58	327 W	-	Inland river not influenced by normal tidal action.	Catchment Area: Don and Rother Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): Not Provided
20	343 E	River Don	Inland river not influenced by normal tidal action.	Catchment Area: Don and Rother Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 8.9
21	343 E	-	Inland river not influenced by normal tidal action.	Catchment Area: Don and Rother Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): Not Provided
59	343 E	River Don	Inland river not influenced by normal tidal action.	Catchment Area: Don and Rother Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 8.9
60	343 E	-	Inland river not influenced by normal tidal action.	Catchment Area: Don and Rother Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): Not Provided
22	366 NW	-	Lake, loch or reservoir.	Catchment Area: Don and Rother Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 27.6
23	366 NW	Scout Dike	Lake, loch or reservoir.	Catchment Area: Don and Rother Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 23.4
24	366 E	-	Inland river not influenced by normal tidal action.	Catchment Area: Don and Rother 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 NW	-	Lake, loch or reservoir.	Catchment Area: Don and Rother Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 27.6
Not shown	366 NW	Scout Dike	Lake, loch or reservoir.	Catchment Area: Don and Rother Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 23.4
Not shown	366 E	-	Inland river not influenced by normal tidal action.	Catchment Area: Don and Rother Relationship to Ground Level: Not provided Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): Not Provided
25	391 NW	-	Lake, loch or reservoir.	Catchment Area: Don and Rother Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 12.9

ID	Distance/ Direction	Name	Type of Watercourse	Additional Details
26	391 NW	-	Lake, loch or reservoir.	Catchment Area: Don and Rother Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 6.4
Not shown	391 NW	-	Lake, loch or reservoir.	Catchment Area: Don and Rother Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 12.9
Not shown	391 NW	-	Lake, loch or reservoir.	Catchment Area: Don and Rother Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 6.4
27	408 S	-	Inland river not influenced by normal tidal action.	Catchment Area: Don and Rother 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	408 S	-	Inland river not influenced by normal tidal action.	Catchment Area: Don and Rother Relationship to Ground Level: Not provided Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): Not Provided
28	465 S	-	Inland river not influenced by normal tidal action.	Catchment Area: Don and Rother Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 1.6
Not shown	465 S	-	Inland river not influenced by normal tidal action.	Catchment Area: Don and Rother Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 1.6
29	476 SW	-	Inland river not influenced by normal tidal action.	Catchment Area: Don and Rother 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	476 SW	-	Inland river not influenced by normal tidal action.	Catchment Area: Don and Rother Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): Not Provided
30	479 NW	Scout Dike	Inland river not influenced by normal tidal action.	Catchment Area: Don and Rother Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 5.3
Not shown	479 NW	Scout Dike	Inland river not influenced by normal tidal action.	Catchment Area: Don and Rother Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 5.3
31	493 SW	-	Inland river not influenced by normal tidal action.	Catchment Area: Don and Rother Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): Not Provided

ID	Distance/ Direction	Name	Type of Watercourse	Additional Details
32	493 SW	River Don	Inland river not influenced by normal tidal action.	Catchment Area: Don and Rother Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 9.8
Not shown	493 SW	-	Inland river not influenced by normal tidal action.	Catchment Area: Don and Rother 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	493 SW	River Don	Inland river not influenced by normal tidal action.	Catchment Area: Don and Rother Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 9.8

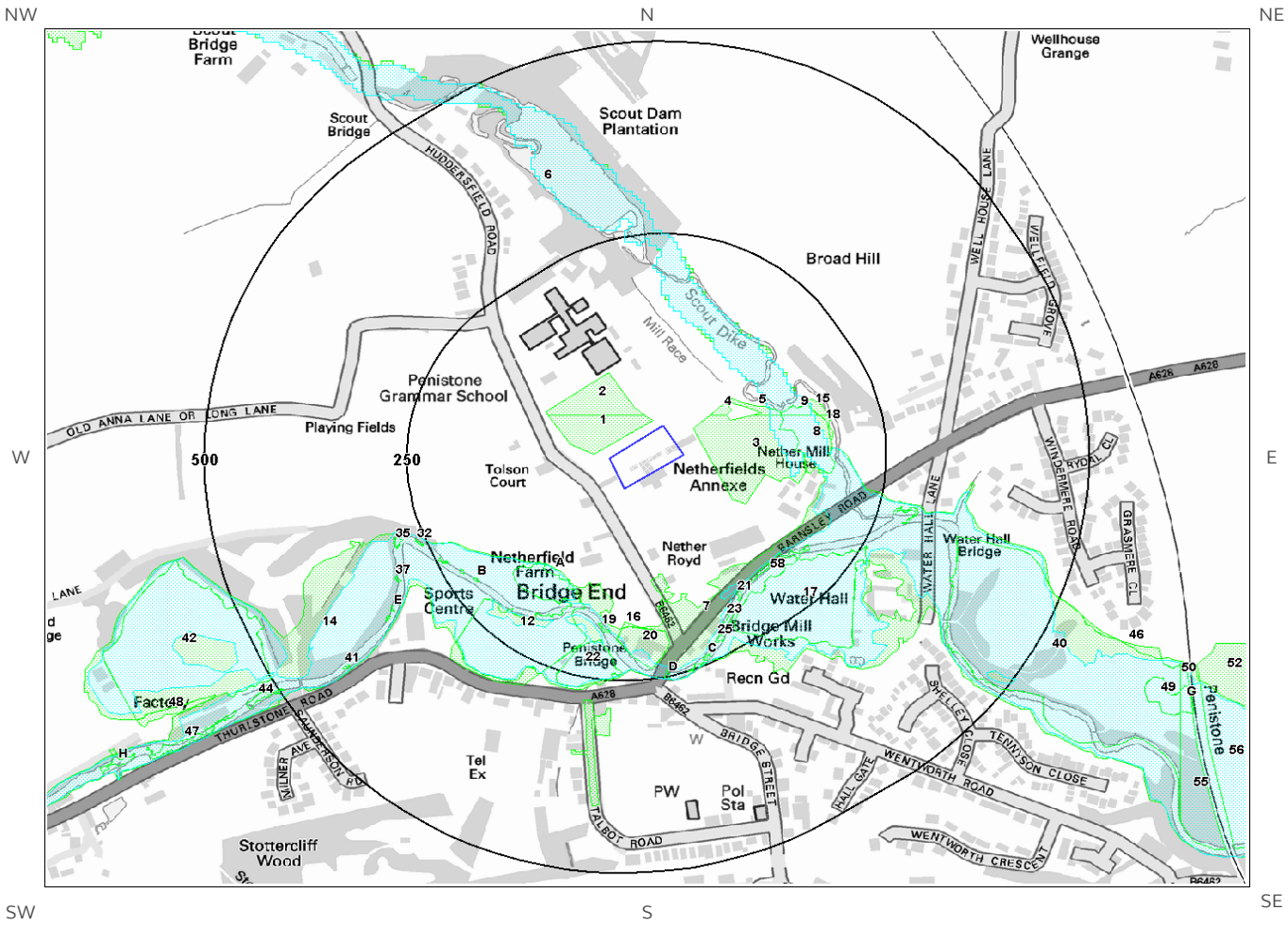
6.11 Surface Water Features

Surface water features within 250m of the study site Identified

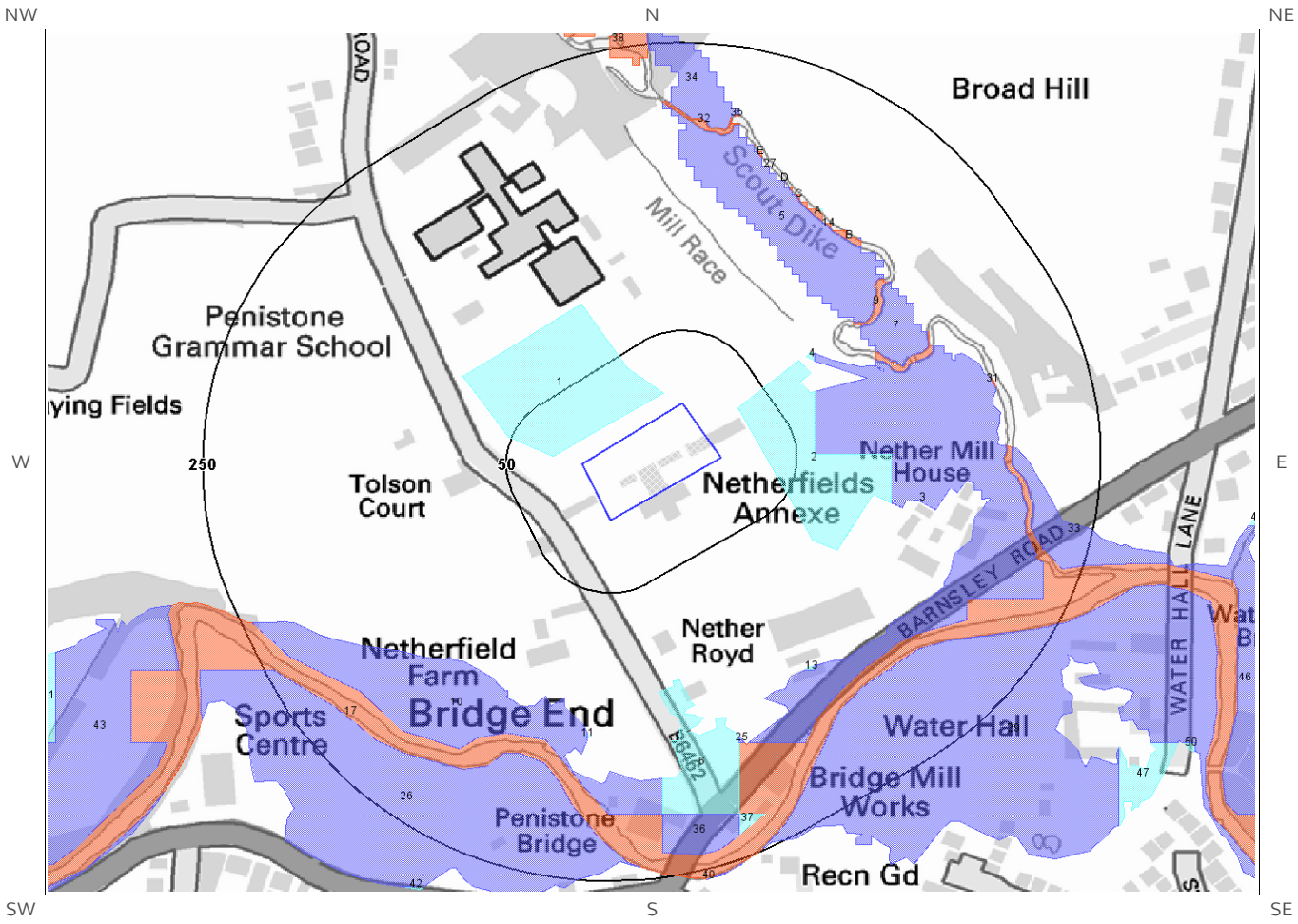
The following surface water records are not represented on mapping:

Distance (m)	Direction
92	NE
106	NE
145	NE
159	S
174	SE
184	SE

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



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



Site Outline

100 / 250 Search Buffers (m)

RoFRaS Rating

- Very Low
- Low
- Medium
- High

Report Reference: EMS-484046_649864
Client Reference: EMS_484046_649864

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	12	NW	29-May-2018	Zone 2 - (Fluvial /Tidal Models)
2	25	NW	29-May-2018	Zone 2 - (Fluvial /Tidal Models)
3	26	NE	29-May-2018	Zone 2 - (Fluvial /Tidal Models)
4	56	NE	29-May-2018	Zone 2 - (Fluvial /Tidal Models)
5	85	NE	29-May-2018	Zone 2 - (Fluvial /Tidal Models)
6	111	NE	29-May-2018	Zone 2 - (Fluvial /Tidal Models)
7	118	S	29-May-2018	Zone 2 - (Fluvial /Tidal Models)
8	122	E	29-May-2018	Zone 2 - (Fluvial /Tidal Models)
9	131	NE	29-May-2018	Zone 2 - (Fluvial /Tidal Models)
10A	134	SW	29-May-2018	Zone 2 - (Fluvial /Tidal Models)
11A	136	SW	29-May-2018	Zone 2 - (Fluvial /Tidal Models)
12	137	SW	29-May-2018	Zone 2 - (Fluvial /Tidal Models)
13A	141	SW	29-May-2018	Zone 2 - (Fluvial /Tidal Models)
14	144	SW	29-May-2018	Zone 2 - (Fluvial /Tidal Models)
15	166	NE	29-May-2018	Zone 2 - (Fluvial /Tidal Models)
16	174	S	29-May-2018	Zone 2 - (Fluvial /Tidal Models)
17	174	SE	29-May-2018	Zone 2 - (Fluvial /Tidal Models)
18	174	E	29-May-2018	Zone 2 - (Fluvial /Tidal Models)
19	178	S	29-May-2018	Zone 2 - (Fluvial /Tidal Models)

20	179	S	29-May-2018	Zone 2 - (Fluvial /Tidal Models)
21	184	SE	29-May-2018	Zone 2 - (Fluvial /Tidal Models)
22	199	S	29-May-2018	Zone 2 - (Fluvial /Tidal Models)
23	203	SE	29-May-2018	Zone 2 - (Fluvial /Tidal Models)
24B	216	SW	29-May-2018	Zone 2 - (Fluvial /Tidal Models)
25	221	SE	29-May-2018	Zone 2 - (Fluvial /Tidal Models)
26B	226	SW	29-May-2018	Zone 2 - (Fluvial /Tidal Models)
27C	237	SE	29-May-2018	Zone 2 - (Fluvial /Tidal Models)
28	238	SW	29-May-2018	Zone 2 - (Fluvial /Tidal Models)
29D	242	S	29-May-2018	Zone 2 - (Fluvial /Tidal Models)
30C	243	S	29-May-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	111	NE	30-May-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.

Any relevant data within 250m is represented on the RoFRaS Flood map. Data to 50m is reported in the table below.

ID	Distance (m)	Direction	RoFRas flood Risk
1	12.0	NW	Low

2	26.0	NE	Low

7.4 Flood Defences

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

7.5 Areas benefiting from Flood Defences

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

7.6 Areas benefiting from Flood Storage

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

7.7 Groundwater Flooding Susceptibility Areas

7.7.1 British Geological Survey groundwater flooding susceptibility areas within 50m of the boundary of the study site	Identified
Clearwater Flooding or Superficial Deposits Flooding	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.