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PSG Hereford

HEREFORD HOUSE, 20, EAST STREET,
Hereford, HR1 2LU

Groundsure
Reference: FHER-6085936

Your Reference: TN/4501.21/Andrews

Report Date 10 Jun 2019

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Enviro Insight

Address: LAND AT LYDE ADJOINING SOUTH VIEW & OLD SCHOOL HOUSE, LYDE, HEREFORD, HR4 8AA

Dear Sir/ Madam,

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

If you need any further assistance, please do not hesitate to contact our helpline on 01432 355 335 quoting the above report reference number.

Yours faithfully,

The Property Search Group

Enc.

Groundsure Enviroinsight

Address: LAND AT LYDE ADJOINING SOUTH VIEW & OLD SCHOOL HOUSE, LYDE, HEREFORD, HR4 8AA
Date: 10 Jun 2019
Reference: FHER-6085936
Client: PSG Hereford



Aerial Photograph Capture date: 24-Jun-2018
Grid Reference: 350468,243898
Site Size: 5.0345ha
Report Reference: FHER-6085936
Client Reference: TN/4501.21/Andrews

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Overview of Findings

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Section 1: Historical Industrial Sites	On-site	0-50	51-250	251-500
1.1 Potentially Contaminative Uses Identified from 1:10,000 scale mapping	0	0	1	16
1.2 Additional Information – Historical Tank Database	0	0	0	1
1.3 Additional Information – Historical Energy Features Database	0	0	0	0
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	0	1
1.6 Historical military sites	0	0	0	0
1.7 Potentially Infilled Land	0	0	3	28

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	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	6	13
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 NIHS sites	0	0	0	0
2.3 Environment Agency/Natural Resources Wales Recorded Pollution Incidents				
2.3.1 National Incidents Recording System, List 2	0	0	0	0
2.3.2 National Incidents Recording System, List 1	0	0	0	0
2.4 Sites Determined as Contaminated Land under Part 2A EPA 1990	0	0	0	0

Section 3: Landfill and Other Waste Sites

	On-site	0-50m	51-250	251-500	501-1000	1000-1500
3.1 Landfill Sites						
3.1.1 Environment Agency/Natural Resources Wales Registered Landfill Sites	0	0	0	0	0	Not searched
3.1.2 Environment Agency/Natural Resources Wales Historic Landfill Sites	0	0	0	0	0	1
3.1.3 BGS/DoE Landfill Site Survey	0	0	0	0	0	0
3.1.4 Records of Landfills in Local Authority and Historical Mapping Records	0	0	0	0	0	0
3.2 Landfill and Other Waste Sites Findings						
3.2.1 Operational and Non-Operational Waste Treatment, Transfer and Disposal Sites	0	0	0	0	Not searched	Not searched
3.2.2 Environment Agency/Natural Resources Wales Licensed Waste Sites	0	0	0	0	0	0

Section 4: Current Land Use

	On-site	0-50m	51-250	251-500
4.1 Current Industrial Sites Data	0	0	2	Not searched
4.2 Records of Petrol and Fuel Sites	0	0	0	0
4.3 National Grid Underground Electricity Cables	0	0	0	0
4.4 National Grid Gas Transmission Pipelines	0	0	0	0

Section 5: Geology

5.1 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

	On-site	0-50m	51-250	251-500	501-1000	1000-2000
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		
6.3 Groundwater Abstraction Licences (within 2000m of the study site)	0	0	4	1	4	23
6.4 Surface Water Abstraction Licences (within 2000m of the study site)	0	0	0	1	1	2
6.5 Potable Water Abstraction Licences (within 2000m of the study site)	0	0	0	0	0	4
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	No	No	No
6.10 Ordnance Survey MasterMap Water Network entries within 500m of the site	2	0	18	16	Not searched	Not searched
6.11 Surface water features within 250m of the study site	Yes	No	Yes	Not searched	Not searched	Not searched

Section 7: Flooding

7.1 Environment Agency Zone 2 floodplains within 250m of the study site	None identified					
7.2 Environment Agency/Natural Resources Wales Zone 3 floodplains within 250m of the study site	None identified					
7.3 Risk of flooding from Rivers and the Sea (RoFRaS) rating for the study site	Very Low					
7.4 Flood Defences within 250m of the study site	None identified					
7.5 Areas benefiting from Flood Defences within 250m of the study site	None identified					
7.6 Areas used for Flood Storage within 250m of the study site	None identified					
7.7 Maximum BGS Groundwater Flooding susceptibility within 50m of the study site	Not Prone					
7.8 BGS confidence rating for the Groundwater Flooding susceptibility areas	Not Applicable					

Section 8: Designated Environmentally Sensitive Sites

	On-site	0-50m	51-250	251-500	501-1000	1000-2000
8.1 Records of Sites of Special Scientific Interest (SSSI)	0	0	0	0	0	1
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	2
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	1	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	3	0	3	0	1	0
8.14 Records of Green Belt land	0	0	0	0	0	0

Section 9: Natural Hazards

9.1 Maximum risk of natural ground subsidence

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

Very Low

9.1.3 Maximum Soluble Rocks hazard rating Identified on the study site

Negligible

9.1.4 Maximum Compressible Ground hazard rating identified on the study site

Negligible

9.1.5 Maximum Collapsible Rocks hazard rating Identified on the study site

Very Low

9.1.6 Maximum Running Sand hazard rating Identified on the study site

Negligible

9.2 Radon

9.2.1 Is the property in a Radon Affected Area as defined by the Health Protection Agency (HPA) and if so what percentage of homes are above the Action Level?

The site is in a Radon Affected Area, as between 1 and 3% 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).

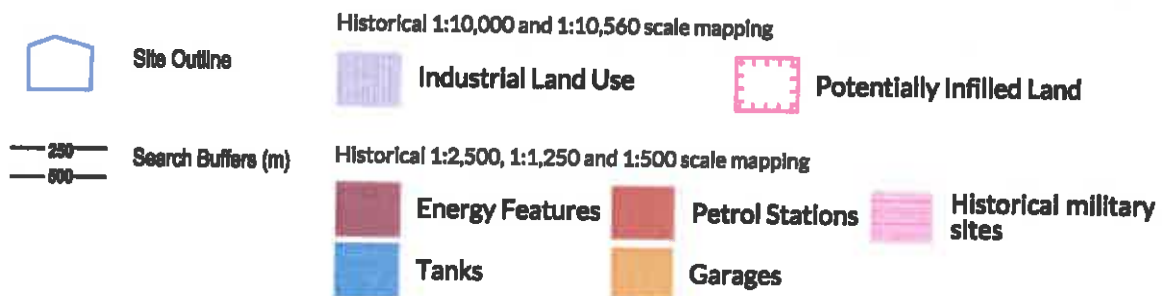
Where a feature is reported in the data tables to a distance greater than the map area, it is noted in the data table as "Not Shown".

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: 17

ID	Distance [m]	Direction	Use	Date
1D	145	N	Filter Beds	1986
2A	338	SE	Unspecified Pit	1945
3A	339	SE	Unspecified Pit	1963
4A	341	SE	Unspecified Pit	1938
5A	341	SE	Unspecified Pit	1938
6A	342	SE	Unspecified Quarry	1886
7A	342	SE	Unspecified Quarry	1886
8A	343	SE	Unspecified Pit	1928
9A	345	SE	Unspecified Old Quarry	1903
10B	424	NW	Garage	1973
11B	424	NW	Garage	1986
12C	436	N	Old Gravel Pit	1903
13C	436	N	Unspecified Pit	1928
14C	438	N	Old Gravel Pit	1886
15C	439	N	Old Gravel Pit	1886
16C	439	N	Unspecified Pit	1938
17C	439	N	Unspecified Pit	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: 1

ID	Distance (m)	Direction	Use	Date
18C	473	N	Unspecified Tank	1996

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:

0

Database searched and no data found.

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:

1

ID	Distance (m)	Direction	Use	Date
19	443	NW	Garage	1970

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:

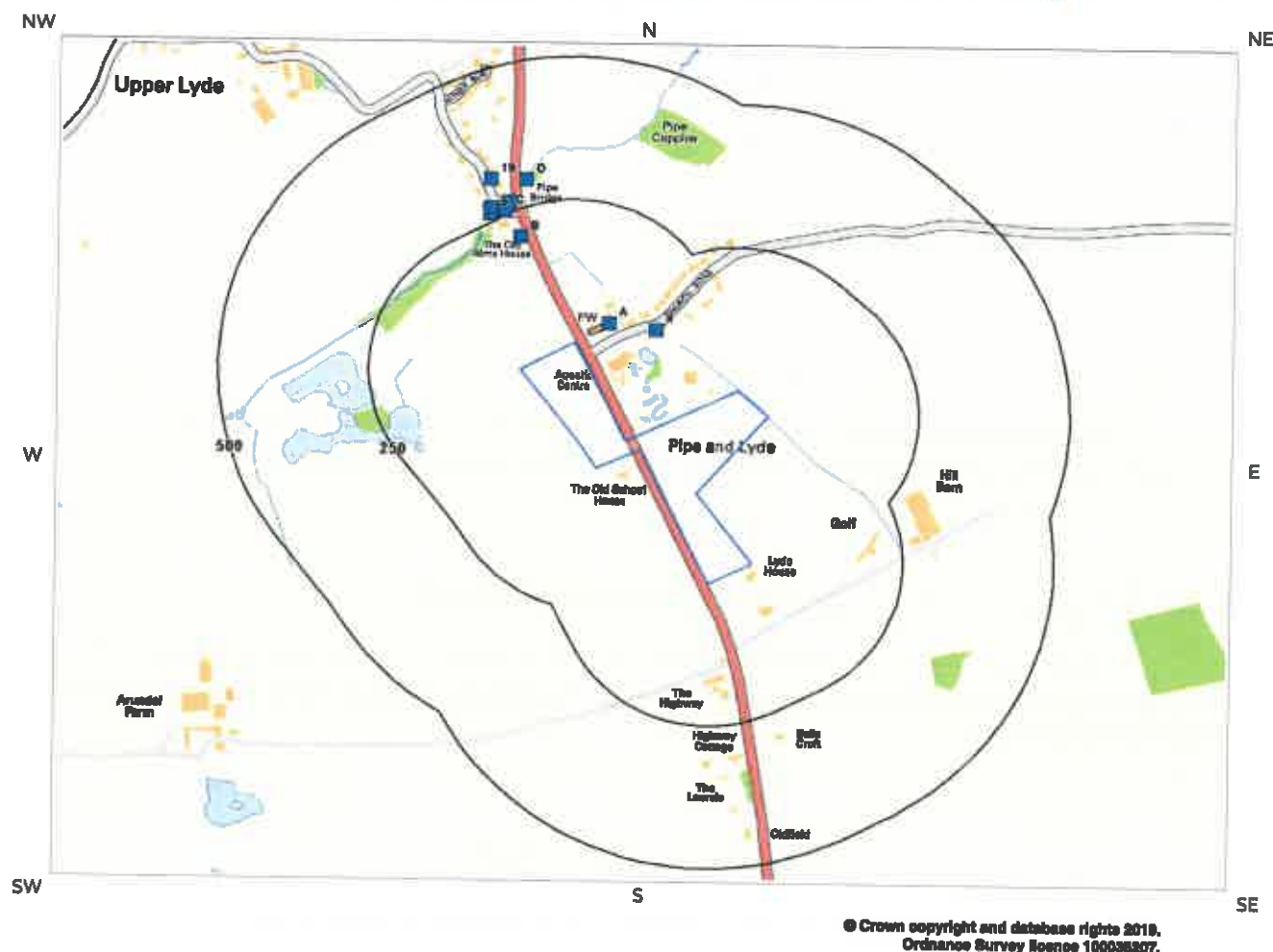
31

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

ID	Distance(m)	Direction	Use	Date
20D	145	N	Filter Beds	1986

21E	211	SW	Pond	1903
22E	211	SW	Pond	1945
23F	288	W	Pond	1886
24F	288	W	Pond	1903
25F	288	W	Pond	1945
26F	289	W	Pond	1938
27A	338	SE	Unspecified Pit	1945
28A	339	SE	Unspecified Pit	1963
29A	341	SE	Unspecified Pit	1938
30A	341	SE	Unspecified Pit	1938
31A	342	SE	Unspecified Quarry	1886
32A	342	SE	Unspecified Quarry	1886
33A	343	SE	Unspecified Pit	1928
34A	345	SE	Unspecified Old Quarry	1903
35A	352	SE	Pond	1945
36A	352	SE	Pond	1903
37G	400	E	Reservoir	1945
38G	400	E	Covered Reservoir	1973
39G	400	E	Reservoir	1986
40G	401	E	Reservoir	1938
41G	402	E	Reservoir	1928
42C	436	N	Unspecified Pit	1928
43C	436	N	Old Gravel Pit	1903
44C	438	N	Old Gravel Pit	1886
45C	439	N	Old Gravel Pit	1886
46C	439	N	Unspecified Pit	1938
47C	439	N	Unspecified Pit	1938
48H	463	W	Ponds	1903
49H	463	W	Ponds	1945
50H	481	W	Ponds	1945

2. Environmental Permits, Incidents and Registers Map



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

2. Environmental Permits, Incidents and Registers

2.1 Industrial Sites Holding Licences and/or Authorisations

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

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

0

Database searched and no data found.

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

0

Database searched and no data found.

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

0

Database searched and no data found.

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

0

Database searched and no data found.

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

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:

0

Database searched and no data found.

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:

19

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

ID	Distance (m)	Direction	NGR	Details
1A	66	NE	350300 244100	<p>Address: HOLLYTREE COTTAGE & PROPOSED DWELL, HOLLYTREE COTTAGE & PROPOSED DWE, & PROPOSED DWELLING LYDE BRIDGE, LYDE BRIDGE , , , ,</p> <p>Effluent Type: UNSPECIFIED Permit Number: AN0114701 Permit Version: 1</p> <p>Receiving Water: LAND Status: REVOKED - UNSPECIFIED Issue date: 01/01/1901 Effective Date: 01-Jan-1901 Revocation Date: 03/01/1989</p>
2A	66	NE	350300 244100	<p>Address: HOLLYTREE COTTAGE & PROPOSED DWELL, HOLLYTREE COTTAGE & PROPOSED DWE, & PROPOSED DWELLING LYDE BRIDGE, LYDE BRIDGE , , , ,</p> <p>Effluent Type: UNSPECIFIED Permit Number: AN0114701 Permit Version: 2</p> <p>Receiving Water: LAND Status: CONSENT EXPIRED - TIME LIMIT Issue date: 04/01/1989 Effective Date: 04-Jan-1989 Revocation Date: 03/04/1995</p>
3A	66	NE	350300 244100	<p>Address: HOLLYTREE COTTAGE & PROPOSED DWELL, HOLLYTREE COTTAGE & PROPOSED DWE, & PROPOSED DWELLING LYDE BRIDGE, LYDE BRIDGE , , , ,</p> <p>Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: AN0263101 Permit Version: 1</p> <p>Receiving Water: UNNAMED TRIB OF THE RIVER LUGG Status: NEW CONSENT, BY APPLICATION (WRA 91, SECTION 88) Issue date: 15/03/1996 Effective Date: 15-Mar-1996 Revocation Date: -</p>
4	131	NE	350380 244090	<p>Address: LOWER LYDE - HILL BARN UNIT, LOWER LYDE - HILL BARN UNIT, UNKNOWN, UNKNOWN, UNKNOWN</p> <p>Effluent Type: UNSPECIFIED Permit Number: AH3009201 Permit Version: 1</p> <p>Receiving Water: UN-NAMED TRIB Status: CONSENT EXPIRED - TIME LIMIT Issue date: 24/11/1976 Effective Date: 24-Nov-1976 Revocation Date: 19/10/1992</p>
5B	206	NW	350150 244250	<p>Address: ARUNDEL COURT LYDE HEREFORD , ARUNDEL COURT LYDE HEREFORD , LYDE HEREFORD , HEREFORD , HEREFORD , ,</p> <p>Effluent Type: UNSPECIFIED</p> <p>Receiving Water: A TRIBUTARY OF THE MORETON BRO Status: REVOKED - UNSPECIFIED Issue date: 17/08/1993 Effective Date: 17-Aug-1993</p>

ID	Distance (m)	Direction	NGR	Details	
6B	206	NW	350150 244250	Permit Number: AN0242201 Permit Version: 1	Revocation Date: 07/10/1993
				Address: ARUNDEL COURT LYDE HEREFORD , ARUNDEL COURT LYDE HEREFORD , LYDE HEREFORD , HEREFORD , HEREFORD , , Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: AN0242201 Permit Version: 2	Receiving Water: A TRIBUTARY OF THE MORETON BRO Status: NEW CONSENT, BY APPLICATION (WRA 91, SECTION 88) Issue date: 08/10/1993 Effective Date: 08-Oct-1993 Revocation Date: -
7C	257	NW	350125 244295	Address: LYDE BRIDGE COTTAGE & FIELD VIEW LY, LYDE BRIDGE COTTAGE & FIELD VIEW, & FIELD VIEW LYDE HEREFORD , LYDE HEREFORD , HEREFORD , , Effluent Type: UNSPECIFIED Permit Number: AN0240801 Permit Version: 1	Receiving Water: TRIB OF RIVER LUGG Status: REVOKED - UNSPECIFIED Issue date: 22/04/1993 Effective Date: 22-Apr-1993 Revocation Date: 15/08/1995
8C	264	NW	350120 244300	Address: GREY GABLES LYDE HEREFORD, GREY GABLES, LYDE, HEREFORD, HEREFORDSHIRE, HR4 8AD Effluent Type: UNSPECIFIED Permit Number: AN0233501 Permit Version: 1	Receiving Water: UNNAMED TRIBUTARY OF MORETON B Status: NEW CONSENT, BY APPLICATION (WRA 91, SECTION 88) Issue date: 15/05/1992 Effective Date: 15-May-1992 Revocation Date: -
9	265	NW	350100 244290	Address: LYDE BRIDGE COTTAGE & FIELD VIEW LY, LYDE BRIDGE COTTAGE & FIELD VIEW, & FIELD VIEW LYDE HEREFORD , LYDE HEREFORD , HEREFORD , , Effluent Type: UNSPECIFIED Permit Number: AN0240801 Permit Version: 2	Receiving Water: TRIB OF RIVER LUGG Status: NEW CONSENT, BY APPLICATION (WRA 91, SECTION 88) Issue date: 15/08/1995 Effective Date: 16-Aug-1995 Revocation Date: -
10C	265	NW	350100 244290	Address: LYDE BRIDGE COTTAGE & FIELD VIEW LY, LYDE BRIDGE COTTAGE & FIELD VIEW, & FIELD VIEW LYDE HEREFORD , LYDE HEREFORD , HEREFORD , , Effluent Type: UNSPECIFIED Permit Number: AN0240801 Permit Version: 2	Receiving Water: TRIB OF RIVER LUGG Status: NEW CONSENT, BY APPLICATION (WRA 91, SECTION 88) Issue date: 15/08/1995 Effective Date: 16-Aug-1995 Revocation Date: -
11C	268	NW	350130 244310	Address: THE ROCK LYDE HEREFORD HEREFORDSHI, THE ROCK, LYDE, HEREFORD, HEREFORDSHIRE, HR4 8AD Effluent Type: UNSPECIFIED Permit Number: AN0241901 Permit Version: 2	Receiving Water: A TRIBUTARY OF THE MORETON BRO Status: NEW CONSENT, BY APPLICATION (WRA 91, SECTION 88) Issue date: 08/10/1993 Effective Date: 08-Oct-1993 Revocation Date: -
12C	268	NW	350130 244310	Address: THE ROCK LYDE HEREFORD HEREFORDSHI, THE ROCK, LYDE, HEREFORD, HEREFORDSHIRE, HR4 8AD Effluent Type: UNSPECIFIED Permit Number: AN0241901 Permit Version: 1	Receiving Water: A TRIBUTARY OF THE MORETON BRO Status: REVOKED - UNSPECIFIED Issue date: 07/07/1993 Effective Date: 07-Jul-1993 Revocation Date: 07/10/1993
13C	273	NW	350100 244300	Address: ELLAND COTTAGE LYDE BRIDGE HEREFOR, ELLAND COTTAGE, LYDE BRIDGE, HEREFORD, HEREFORDSHIRE, HR4 8AD Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: AN0266501 Permit Version: 1	Receiving Water: UNNAMED TRIBUTARY OF THE RIVER Status: NEW CONSENT, BY APPLICATION (WRA 91, SECTION 88) Issue date: 30/08/1996 Effective Date: 30-Aug-1996 Revocation Date: -
14C	273	NW	350100 244300	Address: ELLAND COTTAGE LYDE BRIDGE HEREFOR, ELLAND COTTAGE, LYDE BRIDGE, HEREFORD, HEREFORDSHIRE,	Receiving Water: INTO LAND Status: CONSENT EXPIRED - TIME LIMIT Issue date: 19/11/1990

ID	Distance (m)	Direction	NGR	Details	
				HR4 8AD Effluent Type: UNSPECIFIED Permit Number: AN0220701 Permit Version: 1	Effective Date: 19-Nov-1990 Revocation Date: 15/07/1996
15C	273	NW	350100 244300	Address: ELLAND COTTAGE LYDE BRIDGE HEREFOR, ELLAND COTTAGE, LYDE BRIDGE, HEREFORD, HEREFORDSHIRE, HR4 8AD Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: AN0265101 Permit Version: 1	Receiving Water: UNNAMED TRIBUTARY OF THE RIVER Status: NEW CONSENT, BY APPLICATION (WRA 91, SECTION 88) Issue date: 30/08/1996 Effective Date: 30-Aug-1996 Revocation Date: -
16D	295	N	350160 244350	Address: PIPE AND LYDE STW, PIPE AND LYDE STW, UNKNOWN, UNKNOWN, UNKNOWN Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: AH1003101 Permit Version: 3	Receiving Water: TRIB OF RIVER LUGG Status: NEW CONSENT, BY APPLICATION (WRA 91, SECTION 88) Issue date: 29/02/1996 Effective Date: 01-Mar-1996 Revocation Date: -
17D	295	N	350160 244350	Address: PIPE AND LYDE STW, PIPE AND LYDE STW, UNKNOWN, UNKNOWN, UNKNOWN Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: AH1003101 Permit Version: 2	Receiving Water: TRIB OF RIVER LUGG Status: REVOKED - UNSPECIFIED Issue date: 10/11/1989 Effective Date: 10-Nov-1989 Revocation Date: 29/02/1996
18D	295	N	350160 244350	Address: PIPE AND LYDE STW, PIPE AND LYDE STW, UNKNOWN, UNKNOWN, UNKNOWN Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: AH1003101 Permit Version: 1	Receiving Water: TRIB OF RIVER LUGG Status: REVOKED - UNSPECIFIED Issue date: 24/02/1983 Effective Date: 24-Feb-1983 Revocation Date: 09/11/1989
19	318	NW	350100 244350	Address: WYLOE LYDE HEREFORD HR4 8AD, WYLOE, LYDE, HEREFORD, HEREFORDSHIRE, HR4 8AD Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: AN0388401 Permit Version: 1	Receiving Water: TRIB OF THE MORETON BROOK Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 04/11/2005 Effective Date: 04-Nov-2005 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:

0

Database searched and no data found.

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

0

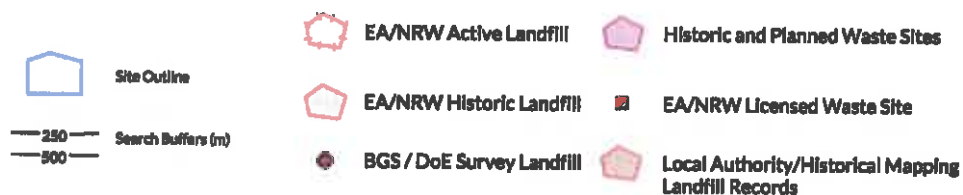
Database searched and no data found.

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.

[illegible]

3. Landfill and Other Waste Sites

3.1 Landfill Sites

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

0

Database searched and no data found.

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

1

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

ID	Distance (m)	Direction	NGR	Details
Not shown	1456	NW		<p>Site Address: Grove Farm, Portway, Burghill, Herefordshire</p> <p>Waste Licence: Yes</p> <p>Site Reference: 1.056.19</p> <p>Waste Type: Inert</p> <p>Environmental Permitting Regulations (Waste) Reference: -</p> <p>Licence Issue: 12-Nov-1987</p> <p>Licence Surrendered: 16-May-1994</p> <p>Licence Holder Address: -</p> <p>Operator: -</p> <p>Licence Holder: Mr P M Brown</p> <p>First Recorded: 10-Dec-1987</p> <p>Last Recorded: 04-May-1989</p>

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.

3.2.1 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:

0

Database searched and no data found.

[illegible]

4. Current Land Uses

4.1 Current Industrial Data

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

2

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

ID	Distance (m)	Direction	Company	NGR	Address	Activity	Category
1	157	SE	Wind Pump (Disused)	350685 243618	Herefordshire, HR4	Water Pumping Stations	Industrial Features
2	173	N	Filter Beds	350250 244240	Herefordshire, HR1	Waste Storage, Processing and Disposal	Infrastructure and Facilities

4.2 Petrol and Fuel Sites

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

0

Database searched and no data found.

4.3 National Grid High Voltage Underground Electricity Transmission Cables

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

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

0

Database searched and no data found.

4.4 National Grid High Pressure Gas Transmission Pipelines

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

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

Database searched and no data found.

5. Geology

5.1 Artificial Ground and Made Ground

Database searched and no data found.

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

5.2 Superficial Ground and Drift Geology

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
RG-CAMDST	RAGLAN MUDSTONE FORMATION	MUDSTONE, CALCAREOUS
RG-CAMDST	RAGLAN MUDSTONE FORMATION	MUDSTONE, CALCAREOUS
RG-SIMD	RAGLAN MUDSTONE FORMATION	SILTSTONE AND MUDSTONE, INTERBEDDED
RG-SDST	RAGLAN MUDSTONE FORMATION	SANDSTONE

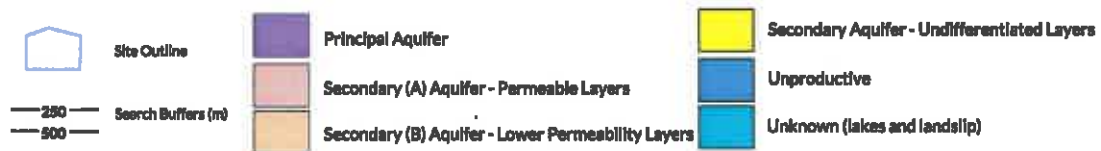
(Derived from the BGS 1:50,000 Digital Geological Map of Great Britain)




6 Hydrogeology and Hydrology




6a. Aquifer Within Superficial Geology







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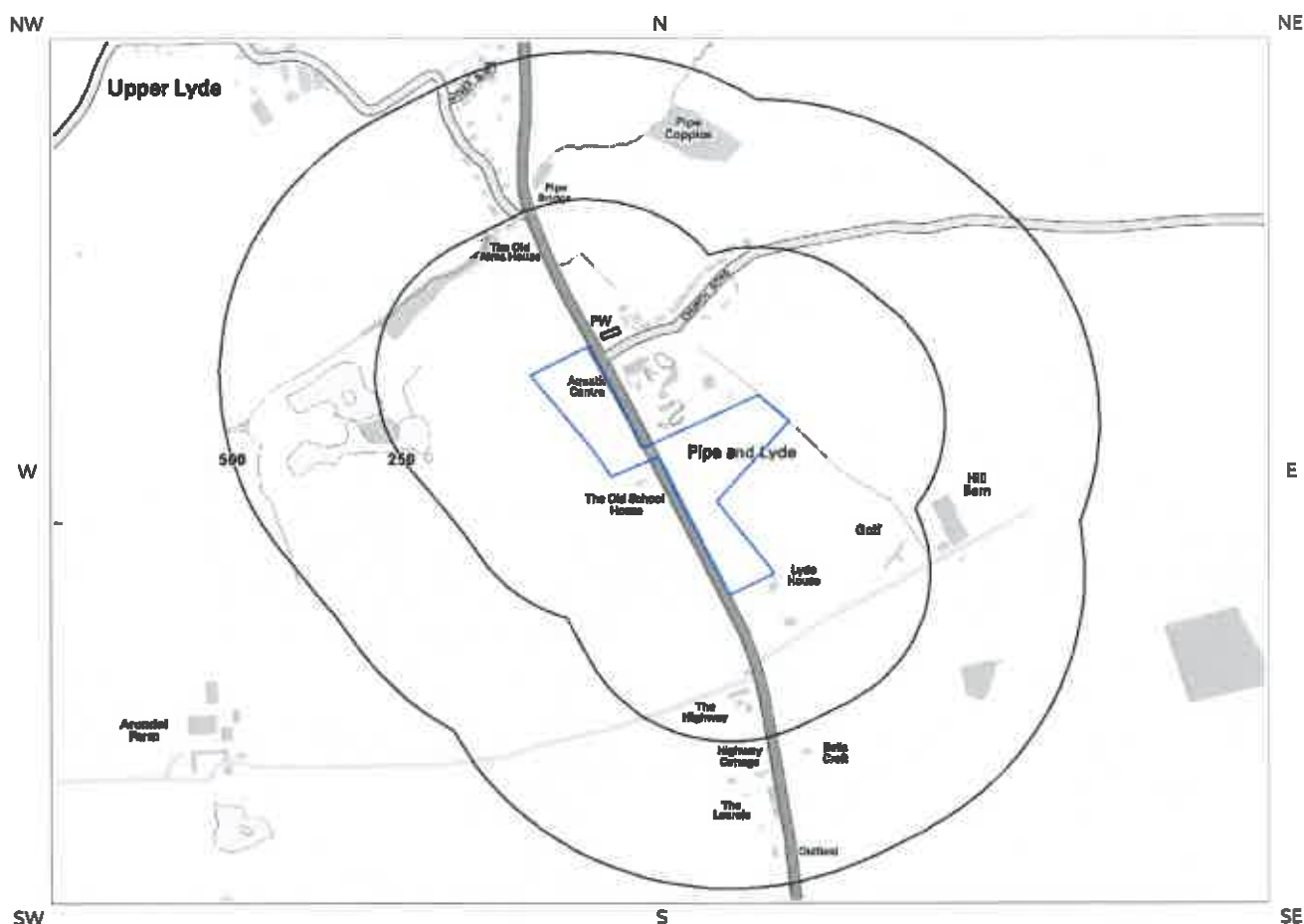
 **Site Outline**
 **Principal Aquifer**
 **Secondary Aquifer - Undifferentiated Layers**

 **Search Buffers (m)**
 **Secondary (A) Aquifer - Permeable Layers**
 **Unproductive**

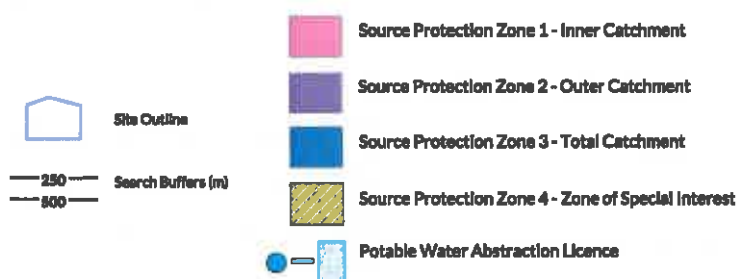
 **Groundwater Abstraction Licence**
 **Unknown (lakes and landfill)**

 **250**
 **500**

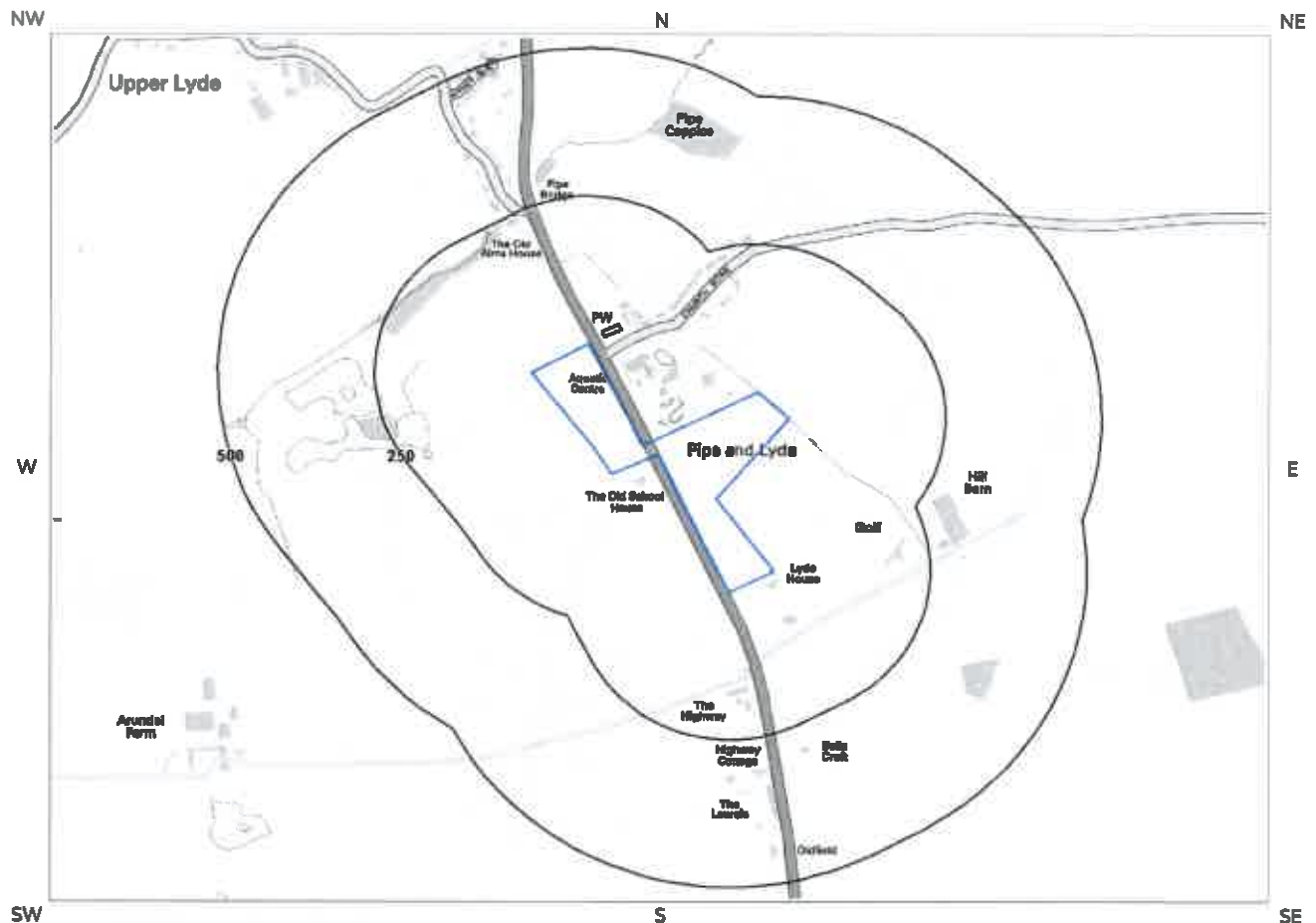
6c. Hydrogeology – Source Protection Zones and Potable Water Abstraction Licences



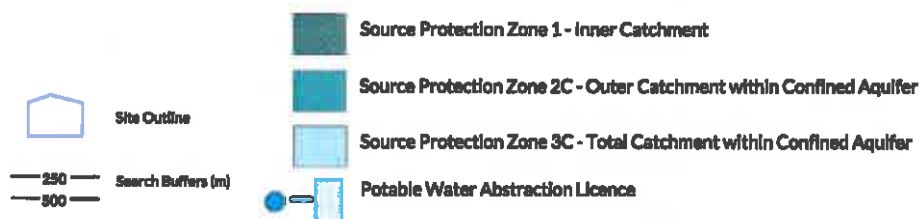
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6d. Hydrogeology – Source Protection Zones within confined aquifer



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6e. Hydrology – Watercourse Network and River Quality



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Watercourse type		Watercourse level	
	Tidal River		On ground surface
	Inland River		Underground or Elevated
	Canal		Level unknown
	Lock or Flight of Locks		General Quality Assessment: Biology
	Lake, Reservoir, or Marsh		General Quality Assessment: Chemistry
	Foreshore		
	Drain or Transfer		

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	209	NW	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
2	210	NW	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
3	259	SE	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
10	329	N	Secondary (undifferentiated)	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type
4	442	N	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers

6.2 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
2	153	W	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers

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
5A	100	NE	350370 244040	<p>Status: Active Licence No: 19/55/12/0782 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: EAW Groundwater Point: BOREHOLE NEAR GLEBE FARM Data Type: Point Name: Edwards</p> <p>Annual Volume (m³): 4546 Max Daily Volume (m³): 54.5 Original Application No: - Original Start Date: 17/08/1988 Expiry Date: - Issue No: 100 Version Start Date: 01/04/2008 Version End Date:</p>
6A	100	NE	350370 244040	<p>Status: Historical Licence No: 19/55/12/0782 Details: General Use Relating To Secondary Category (High Loss) Direct Source: EAW Groundwater Point: BOREHOLE NEAR GLEBE FARM Data Type: Point Name: Edwards</p> <p>Annual Volume (m³): 4546 Max Daily Volume (m³): 54.6 Original Application No: - Original Start Date: - Expiry Date: - Issue No: 100 Version Start Date: 17/08/1988 Version End Date:</p>
7	149	E	350690 243660	<p>Status: Historical Licence No: 19/55/12/0828 Details: General Farming & Domestic Direct Source: EAW Groundwater Point: WELL AT LOWER LYDE FARM Data Type: Point Name: The Duchy of Cornwall</p> <p>Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: - Original Start Date: - Expiry Date: - Issue No: 101 Version Start Date: 05/05/2000 Version End Date:</p>
8	197	S	350480 243450	<p>Status: Historical Licence No: 19/55/12/0607 Details: General Farming & Domestic Direct Source: EAW Groundwater Point: WELL AT HIGHWAY FARM Data Type: Point Name: Jay</p> <p>Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: - Original Start Date: - Expiry Date: - Issue No: 100 Version Start Date: 31/03/1966 Version End Date:</p>
9	440	W	349720 243940	<p>Status: Active Licence No: 19/55/12/0804 Details: Spray Irrigation - Storage Direct Source: EAW Groundwater Point: BOREHOLE AT ARUNDEL FARM Data Type: Point Name: Watkins</p> <p>Annual Volume (m³): 40880 Max Daily Volume (m³): 112 Original Application No: - Original Start Date: 01/04/1996 Expiry Date: - Issue No: 101 Version Start Date: 01/04/2004 Version End Date:</p>
10	689	NW	349650 244490	<p>Status: Historical Licence No: 19/55/12/0179 Details: General Farming & Domestic Direct Source: EAW Groundwater Point: BOREHOLE AT LYDE FARM Data Type: Point Name: Thompson</p> <p>Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: - Original Start Date: 31/03/1966 Expiry Date: - Issue No: 100 Version Start Date: 06/09/1999 Version End Date:</p>

ID	Distance (m)	Direction	NGR	Details	
11	954	SW	349500 243300	Status: Historical Licence No: 19/55/12/0219 Details: General Farming & Domestic Direct Source: EAW Groundwater Point: BOREHOLE AT LYDE Data Type: Point Name: Watkins	Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: - Original Start Date: - Expiry Date: - Issue No: 100 Version Start Date: 06/09/1999 Version End Date:
Not shown	983	E	351460 243330	Status: Historical Licence No: 19/55/16/0076 Details: General Farming & Domestic Direct Source: EAW Groundwater Point: WELL AT LYDE CROSS TREE FARM Data Type: Point Name: Houlden	Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: - Original Start Date: - Expiry Date: - Issue No: 100 Version Start Date: 01/05/1973 Version End Date:
Not shown	984	SE	351220 242970	Status: Historical Licence No: 19/55/16/0076 Details: General Farming & Domestic Direct Source: EAW Groundwater Point: BOREHOLE AT LYDE CROSS TREE FARM Data Type: Point Name: Houlden	Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: - Original Start Date: - Expiry Date: - Issue No: 100 Version Start Date: 01/05/1973 Version End Date:
Not shown	1044	N	350200 245110	Status: Historical Licence No: 19/55/12/0730 Details: General Farming & Domestic Direct Source: EAW Groundwater Point: BOREHOLE AT THE OLD FORGE (POINT B) Data Type: Point Name: Reeks	Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: - Original Start Date: 14/09/1966 Expiry Date: - Issue No: 101 Version Start Date: 09/07/1999 Version End Date:
Not shown	1065	N	350190 245130	Status: Historical Licence No: 19/55/12/0730 Details: General Farming & Domestic Direct Source: EAW Groundwater Point: WELL AT THE OLD FORGE (POINT B) Data Type: Point Name: Reeks	Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: - Original Start Date: 14/09/1966 Expiry Date: - Issue No: 101 Version Start Date: 09/07/1999 Version End Date:
Not shown	1140	SE	351210 242760	Status: Historical Licence No: 19/55/12/0502 Details: General Farming & Domestic Direct Source: EAW Groundwater Point: WELL AT MARLEY HOUSE Data Type: Point Name: Haddon	Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: - Original Start Date: - Expiry Date: - Issue No: 100 Version Start Date: 06/07/1966 Version End Date:
Not shown	1144	SE	351560 243160	Status: Historical Licence No: 19/55/12/0376 Details: General Farming & Domestic Direct Source: EAW Groundwater Point: WELL AT WHITE HOUSE FARM Data Type: Point Name: Taylor	Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: - Original Start Date: - Expiry Date: - Issue No: 100 Version Start Date: 31/03/1966 Version End Date:
Not shown	1168	SE	351230 242740	Status: Historical Licence No: 19/55/12/0502 Details: General Farming & Domestic Direct Source: EAW Groundwater Point: BOREHOLE AT MARLEY HOUSE Data Type: Point Name: Haddon	Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: - Original Start Date: - Expiry Date: - Issue No: 100 Version Start Date: 06/07/1966 Version End Date:

ID	Distance (m)	Direction	NGR	Details
Not shown	1354	N	349730 245320	<p>Status: Historical Licence No: 19/55/12/0325 Details: General Farming & Domestic Direct Source: EAW Groundwater Point: WELL AT UPPER HOUSE FARM (POINT C) Data Type: Point Name: Perkins</p> <p>Annual Volume (m³): 20798 Max Daily Volume (m³): 56.925 Original Application No: - Original Start Date: 31/03/1966 Expiry Date: - Issue No: 100 Version Start Date: 11/03/2008 Version End Date:</p>
Not shown	1417	NW	348900 244680	<p>Status: Historical Licence No: 19/55/12/0426 Details: General Farming & Domestic Direct Source: EAW Groundwater Point: WELL AT HIGH CROFT Data Type: Point Name: Stokes</p> <p>Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: - Original Start Date: - Expiry Date: - Issue No: 100 Version Start Date: 31/03/1966 Version End Date:</p>
Not shown	1442	N	349908 245469	<p>Status: Active Licence No: WA/055/0012/006 Details: General Farming & Domestic Direct Source: EAW Groundwater Point: BOREHOLE AT UPPER HOUSE FARM (POINT A) Data Type: Point Name: Upper House Farm</p> <p>Annual Volume (m³): 15000 Max Daily Volume (m³): 120 Original Application No: - Original Start Date: 12/10/2012 Expiry Date: 31/03/2027 Issue No: 1 Version Start Date: 12/10/2012 Version End Date:</p>
Not shown	1442	N	349908 245469	<p>Status: Active Licence No: WA/055/0012/006 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Household Direct Source: EAW Groundwater Point: BOREHOLE AT UPPER HOUSE FARM (POINT A) Data Type: Point Name: Upper House Farm</p> <p>Annual Volume (m³): 15000 Max Daily Volume (m³): 120 Original Application No: - Original Start Date: 12/10/2012 Expiry Date: 31/03/2027 Issue No: 1 Version Start Date: 12/10/2012 Version End Date:</p>
Not shown	1442	N	349910 245470	<p>Status: Historical Licence No: 19/55/12/0325 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Household Direct Source: EAW Groundwater Point: BOREHOLE AT UPPER HOUSE FARM (POINT A) Data Type: Point Name: Perkins</p> <p>Annual Volume (m³): 20798 Max Daily Volume (m³): 56.925 Original Application No: - Original Start Date: 31/03/1966 Expiry Date: - Issue No: 100 Version Start Date: 11/03/2008 Version End Date:</p>
Not shown	1460	SE	351720 242820	<p>Status: Historical Licence No: 19/55/12/0468 Details: General Farming & Domestic Direct Source: EAW Groundwater Point: WELL AT MUNSTONE HOUSE (POINT 1) Data Type: Point Name: Powell</p> <p>Annual Volume (m³): 6788.45 Max Daily Volume (m³): 18.548 Original Application No: - Original Start Date: - Expiry Date: - Issue No: 100 Version Start Date: 31/03/1966 Version End Date:</p>
Not shown	1505	E	352000 243310	<p>Status: Historical Licence No: 19/55/12/0278 Details: General Farming & Domestic Direct Source: EAW Groundwater Point: WELL IN SHELWICK Data Type: Point Name: Badham</p> <p>Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: - Original Start Date: - Expiry Date: - Issue No: 100 Version Start Date: 31/03/1966 Version End Date:</p>

ID	Distance (m)	Direction	NGR	Details	
Not shown	1530	SE	351680 242660	Status: Historical Licence No: 19/55/12/0016 Details: General Farming & Domestic Direct Source: EAW Groundwater Point: BOREHOLE AT MARKEATON Data Type: Point Name: Hartland	Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: - Original Start Date: - Expiry Date: - Issue No: 100 Version Start Date: 07/10/1966 Version End Date:
Not shown	1539	N	350380 245600	Status: Active Licence No: 19/55/12/0805 Details: General Farming & Domestic Direct Source: EAW Groundwater Point: BOREHOLE AT CHURCH HOUSE FARM Data Type: Point Name: Perkins & Son	Annual Volume (m³): 14235 Max Daily Volume (m³): 39 Original Application No: - Original Start Date: 12/07/1996 Expiry Date: - Issue No: 100 Version Start Date: 01/04/2008 Version End Date:
Not shown	1674	N	349620 245620	Status: Historical Licence No: 19/55/12/0325 Details: General Farming & Domestic Direct Source: EAW Groundwater Point: WELL AT UPPER HOUSE FARM (POINT B) Data Type: Point Name: Perkins	Annual Volume (m³): 20798 Max Daily Volume (m³): 56,925 Original Application No: - Original Start Date: 31/03/1966 Expiry Date: - Issue No: 100 Version Start Date: 11/03/2008 Version End Date:
Not shown	1681	N	350680 245690	Status: Historical Licence No: 19/55/12/0144 Details: General Farming & Domestic Direct Source: EAW Groundwater Point: BOREHOLE AT HOMESTEAD COTTAGE Data Type: Point Name: Preece	Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: - Original Start Date: - Expiry Date: - Issue No: 100 Version Start Date: 07/10/1966 Version End Date:
Not shown	1797	SW	349070 242520	Status: Historical Licence No: 19/55/16/0032 Details: General Farming & Domestic Direct Source: EAW Groundwater Point: BOREHOLE AT CREDENHILL Data Type: Point Name: Bulmer	Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: - Original Start Date: 31/03/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/06/1971 Version End Date:
Not shown	1812	N	350660 245830	Status: Historical Licence No: 19/55/12/0454 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Household Direct Source: EAW Groundwater Point: WELL AT MORETON NURSERIES Data Type: Point Name: Taylor	Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: - Original Start Date: - Expiry Date: - Issue No: 100 Version Start Date: 31/03/1966 Version End Date:
Not shown	1812	N	350660 245830	Status: Historical Licence No: 19/55/12/0454 Details: Horticultural Watering Direct Source: EAW Groundwater Point: WELL AT MORETON NURSERIES Data Type: Point Name: Taylor	Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: - Original Start Date: - Expiry Date: - Issue No: 100 Version Start Date: 31/03/1966 Version End Date:
Not shown	1818	N	349726 245810	Status: Active Licence No: WA/055/0012/006 Details: General Farming & Domestic Direct Source: EAW Groundwater Point: BOREHOLE AT UPPER HOUSE FARM (POINT B) Data Type: Point Name: Upper House Farm	Annual Volume (m³): 15000 Max Daily Volume (m³): 120 Original Application No: - Original Start Date: 12/10/2012 Expiry Date: 31/03/2027 Issue No: 1 Version Start Date: 12/10/2012 Version End Date:

ID	Distance (m)	Direction	NGR	Details
Not shown	1818	N	349726 245810	Status: Active Licence No: WA/055/0012/006 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Household Direct Source: EAW Groundwater Point: BOREHOLE AT UPPER HOUSE FARM (POINT B) Data Type: Point Name: Upper House Farm Annual Volume (m³): 15000 Max Daily Volume (m³): 120 Original Application No: - Original Start Date: 12/10/2012 Expiry Date: 31/03/2027 Issue No: 1 Version Start Date: 12/10/2012 Version End Date:
Not shown	1821	E	352250 243050	Status: Historical Licence No: 19/55/12/0278 Details: General Farming & Domestic Direct Source: EAW Groundwater Point: WELL AT NEW HOUSE Data Type: Point Name: Badham Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: - Original Start Date: - Expiry Date: - Issue No: 100 Version Start Date: 31/03/1966 Version End Date:
Not shown	1944	E	352380 243050	Status: Historical Licence No: 19/55/12/0468 Details: General Farming & Domestic Direct Source: EAW Groundwater Point: WELL AT SHELWICK FARM (POINT 2) Data Type: Point Name: Powell Annual Volume (m³): 6788.45 Max Daily Volume (m³): 18.548 Original Application No: - Original Start Date: - Expiry Date: - Issue No: 100 Version Start Date: 31/03/1966 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
37	483	W	349680 243920	Status: Active Licence No: 19/55/12/0803 Details: Spray Irrigation - Storage Direct Source: EAW Surface Water Point: LYDE BROOK AT ARUNDEL FARM Data Type: Point Name: Watkins Annual Volume (m³): 17045 Max Daily Volume (m³): 114 Application No: - Original Start Date: 01/11/1996 Expiry Date: - Issue No: 100 Version Start Date: 01/04/2004 Version End Date:
Not shown	947	E	351480 244190	Status: Historical Licence No: 19/55/12/0217 Details: General Farming & Domestic Direct Source: EAW Surface Water Point: SPRING AT LOWER LYDE FARM Data Type: Point Name: The Duchy of Cornwall Annual Volume (m³): - Max Daily Volume (m³): - Application No: - Original Start Date: - Expiry Date: - Issue No: 101 Version Start Date: 05/05/2000 Version End Date:
Not shown	1592	NE	351580 245170	Status: Historical Licence No: 19/55/12/0774 Annual Volume (m³): 4546 Max Daily Volume (m³): 113.65

ID	Distance (m)	Direction	NGR	Details
				Details: Spray Irrigation - Direct Direct Source: EAW Surface Water Point: MORETON BROOK Data Type: Point Name: Perkins & Son
				Application No: - Original Start Date: 01/08/1985 Expiry Date: - Issue No: 100 Version Start Date: 11/03/2008 Version End Date:
Not shown	1679	NE	351930 244920	Status: Active Licence No: 19/55/12/0837 Details: Spray Irrigation - Storage Direct Source: EAW Surface Water Point: THE MORETON BROOK AT LOWER LYDE FARM Data Type: Point Name: Watkins
				Annual Volume (m³): 18182 Max Daily Volume (m³): 152 Application No: - Original Start Date: 15/10/1999 Expiry Date: - Issue No: 1 Version Start Date: 01/05/2004 Version End Date:

6.5 Potable Water Abstraction Licences

Potable Water Abstraction Licences within 2000m of the study site

Identified

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

ID	Distance (m)	Direction	NGR	Details
Not shown	1442	N	349908 245469	Status: Active Licence No: WA/055/0012/006 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Household Direct Source: EAW Groundwater Point: BOREHOLE AT UPPER HOUSE FARM (POINT A) Data Type: Point Name: Upper House Farm
				Annual Volume (m³): 15000 Max Daily Volume (m³): 120 Original Application No: - Original Start Date: 12/10/2012 Expiry Date: 31/03/2027 Issue No: 1 Version Start Date: Version End Date:
Not shown	1442	N	349910 245470	Status: Historical Licence No: 19/55/12/0325 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Household Direct Source: EAW Groundwater Point: BOREHOLE AT UPPER HOUSE FARM (POINT A) Data Type: Point Name: Perkins
				Annual Volume (m³): 20798 Max Daily Volume (m³): 56.925 Original Application No: - Original Start Date: 31/03/1966 Expiry Date: - Issue No: 100 Version Start Date: Version End Date:
Not shown	1812	N	350660 245830	Status: Historical Licence No: 19/55/12/0454 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Household Direct Source: EAW Groundwater Point: WELL AT MORETON NURSERIES Data Type: Point Name: Taylor
				Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: - Original Start Date: - Expiry Date: - Issue No: 100 Version Start Date: Version End Date:
Not shown	1818	N	349726 245810	Status: Active Licence No: WA/055/0012/006 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Household Direct Source: EAW Groundwater Point: BOREHOLE AT UPPER HOUSE FARM (POINT B) Data Type: Point Name: Upper House Farm
				Annual Volume (m³): 15000 Max Daily Volume (m³): 120 Original Application No: - Original Start Date: 12/10/2012 Expiry Date: 31/03/2027 Issue No: 1 Version Start Date: Version End Date:

6.6 Source Protection Zones

Source Protection Zones within 500m of the study site

None identified

Database searched and no data found.

6.7 Source Protection Zones within Confined Aquifer

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

None identified

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

Database searched and no data found.

6.8 Groundwater Vulnerability and Soil Leaching Potential

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

Identified

Distance (m)	Direction	Classification	Soil Vulnerability Category	Description
0	On Site	Minor Aquifer/Intermediate Leaching Potential	I1	Soils which can possibly transmit a wide range of pollutants.
153	W	Minor Aquifer/Intermediate Leaching Potential	I1	Soils which can possibly transmit a wide range of pollutants.

6.9 River Quality

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

None identified

6.9.1 Biological Quality:

Database searched and no data found.

Database searched and no data found.

6.10 Ordnance Survey MasterMap Water Network








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

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

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

ID	Distance/ Direction	Name	Type of Watercourse	Additional Details
1	0 On Site	-	Inland river not influenced by normal tidal action.	Catchment Area: Wye 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	0 On Site	-	Inland river not influenced by normal tidal action.	Catchment Area: Wye Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (In normal conditions) Average Width In Watercourse Section (m): Not Provided
2	104 NE	-	Inland river not influenced by normal tidal action.	Catchment Area: Wye Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (In normal conditions) Average Width In Watercourse Section (m): Not Provided
17	104 NE	-	Inland river not influenced by normal tidal action.	Catchment Area: Wye Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (In normal conditions) Average Width In Watercourse Section (m): Not Provided
3	105 NE	-	Inland river not influenced by normal tidal action.	Catchment Area: Wye Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (In normal conditions) Average Width In Watercourse Section (m): Not Provided
18	105 NE	-	Inland river not influenced by normal tidal action.	Catchment Area: Wye Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (In normal conditions) Average Width In Watercourse Section (m): Not Provided
4	148 N	-	Inland river not influenced by normal tidal action.	Catchment Area: Wye Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (In normal conditions) Average Width In Watercourse Section (m): Not Provided
19	148 N	-	Inland river not influenced by normal tidal action.	Catchment Area: Wye 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
				conditions) Average Width In Watercourse Section (m): Not Provided
5	178 W	-	Inland river not influenced by normal tidal action.	Catchment Area: Wye Relationship to Ground Level: Not provided Permanence: Watercourse contains water year round (in normal conditions) Average Width In Watercourse Section (m): Not Provided
20	178 W	-	Inland river not influenced by normal tidal action.	Catchment Area: Wye Relationship to Ground Level: Not provided Permanence: Watercourse contains water year round (in normal conditions) Average Width In Watercourse Section (m): Not Provided
6	201 SE	-	Lake, loch or reservoir.	Catchment Area: Wye Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width In Watercourse Section (m): 1.7
21	201 SE	-	Lake, loch or reservoir.	Catchment Area: Wye Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width In Watercourse Section (m): 1.7
7	207 SE	-	Inland river not influenced by normal tidal action.	Catchment Area: Wye 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	207 SE	-	Inland river not influenced by normal tidal action.	Catchment Area: Wye Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width In Watercourse Section (m): Not Provided
8	214 NW	-	Inland river not influenced by normal tidal action.	Catchment Area: Wye Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width In Watercourse Section (m): 2.0
23	214 NW	-	Inland river not influenced by normal tidal action.	Catchment Area: Wye Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width In Watercourse Section (m): 2.0
9	244 NW	-	Inland river not influenced by normal tidal action.	Catchment Area: Wye Relationship to Ground Level: Not provided Permanence: Watercourse contains water year round (in normal conditions) Average Width In Watercourse Section (m): Not Provided
24	244 NW	-	Inland river not influenced by normal tidal action.	Catchment Area: Wye Relationship to Ground Level: Not provided Permanence: Watercourse contains water year round (in normal conditions) Average Width In Watercourse Section (m): Not Provided
10	246 NW	-	Inland river not influenced by normal tidal action.	Catchment Area: Wye Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width In Watercourse Section (m): Not Provided
25	246 NW	-	Inland river not influenced by normal tidal action.	Catchment Area: Wye 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
11	263 NW		Inland river not influenced by normal tidal action.	Catchment Area: Wye Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (In normal conditions) Average Width in Watercourse Section (m): 1.6
26	263 NW		Inland river not influenced by normal tidal action.	Catchment Area: Wye Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (In normal conditions) Average Width in Watercourse Section (m): 1.6
12	270 NW		Inland river not influenced by normal tidal action.	Catchment Area: Wye Relationship to Ground Level: Underground Permanence: Watercourse contains water year round (In normal conditions) Average Width in Watercourse Section (m): Not Provided
27	270 NW		Inland river not influenced by normal tidal action.	Catchment Area: Wye Relationship to Ground Level: Underground Permanence: Watercourse contains water year round (In normal conditions) Average Width in Watercourse Section (m): Not Provided
13	297 N		Inland river not influenced by normal tidal action.	Catchment Area: Wye 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	297 N	-	Inland river not influenced by normal tidal action.	Catchment Area: Wye 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	450 W	-	Inland river not influenced by normal tidal action.	Catchment Area: Wye Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (In normal conditions) Average Width in Watercourse Section (m): Not Provided
29	450 W	-	Inland river not influenced by normal tidal action.	Catchment Area: Wye Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (In normal conditions) Average Width in Watercourse Section (m): Not Provided
15	463 W	-	Lake, loch or reservoir.	Catchment Area: Wye Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (In normal conditions) Average Width in Watercourse Section (m): 4.1
Not shown	463 W	-	Lake, loch or reservoir.	Catchment Area: Wye Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (In normal conditions) Average Width in Watercourse Section (m): 4.1
16	466 W	-	Lake, loch or reservoir.	Catchment Area: Wye Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (In normal conditions) Average Width in Watercourse Section (m): 2.5
Not shown	466 W		Lake, loch or reservoir.	Catchment Area: Wye Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (In normal conditions) Average Width in Watercourse Section (m): 2.5
17	469		Lake, loch or reservoir.	Catchment Area: Wye Relationship to Ground Level: On ground surface

ID	Distance/ Direction	Name	Type of Watercourse	Additional Details
	W			Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 6.0
Not shown	469 W	-	Lake, loch or reservoir.	Catchment Area: Wye Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 6.0
18	483 N	-	Inland river not influenced by normal tidal action.	Catchment Area: Wye 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	483 N	-	Inland river not influenced by normal tidal action.	Catchment Area: Wye Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): Not Provided

6.11 Surface Water Features

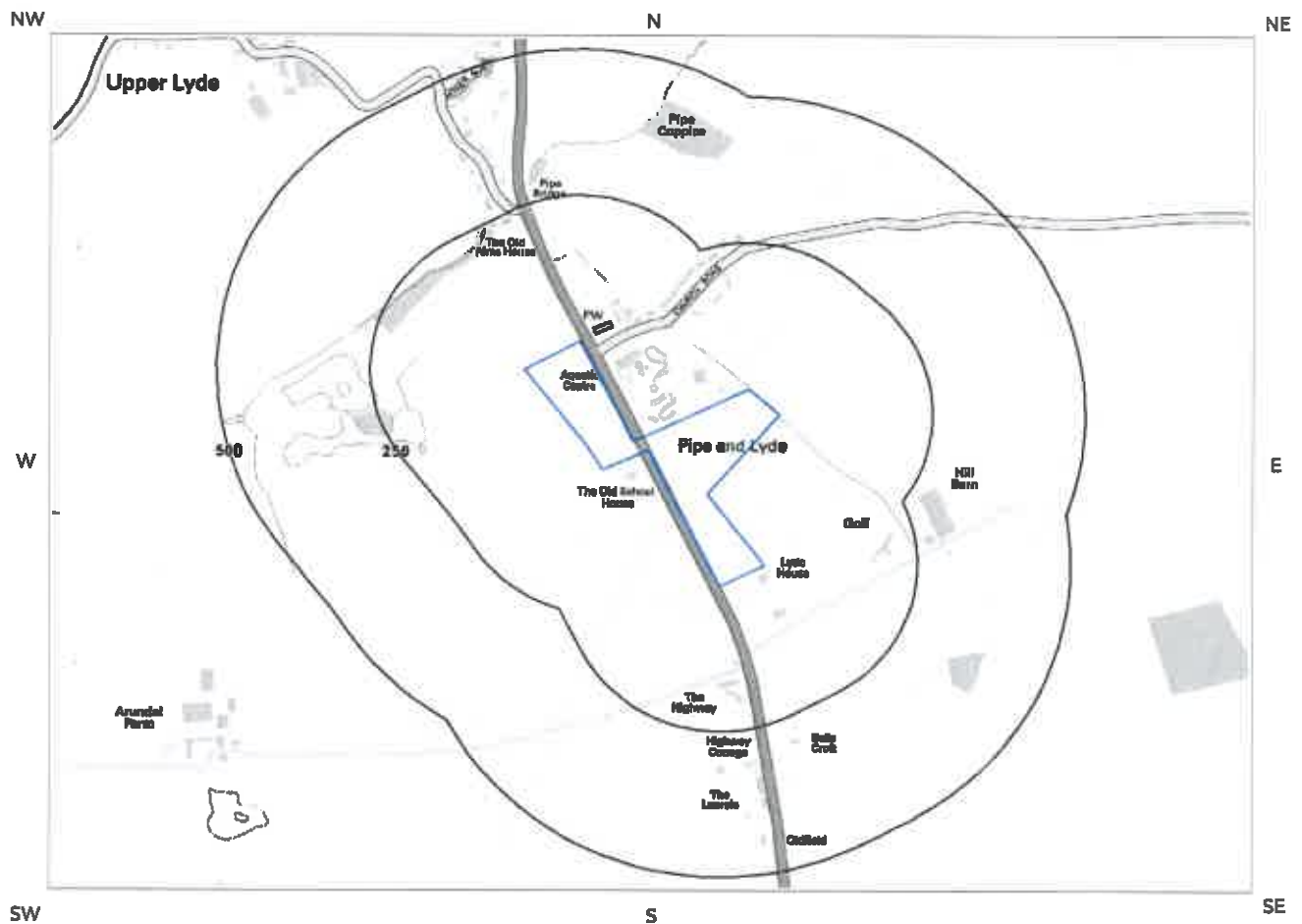
Surface water features within 250m of the study site

Identified

The following surface water records are not represented on mapping:

Distance (m)	Direction
0	NE
0	On Site
109	NE
148	N
178	W
187	SW
207	SE
210	SW
244	W
246	NW

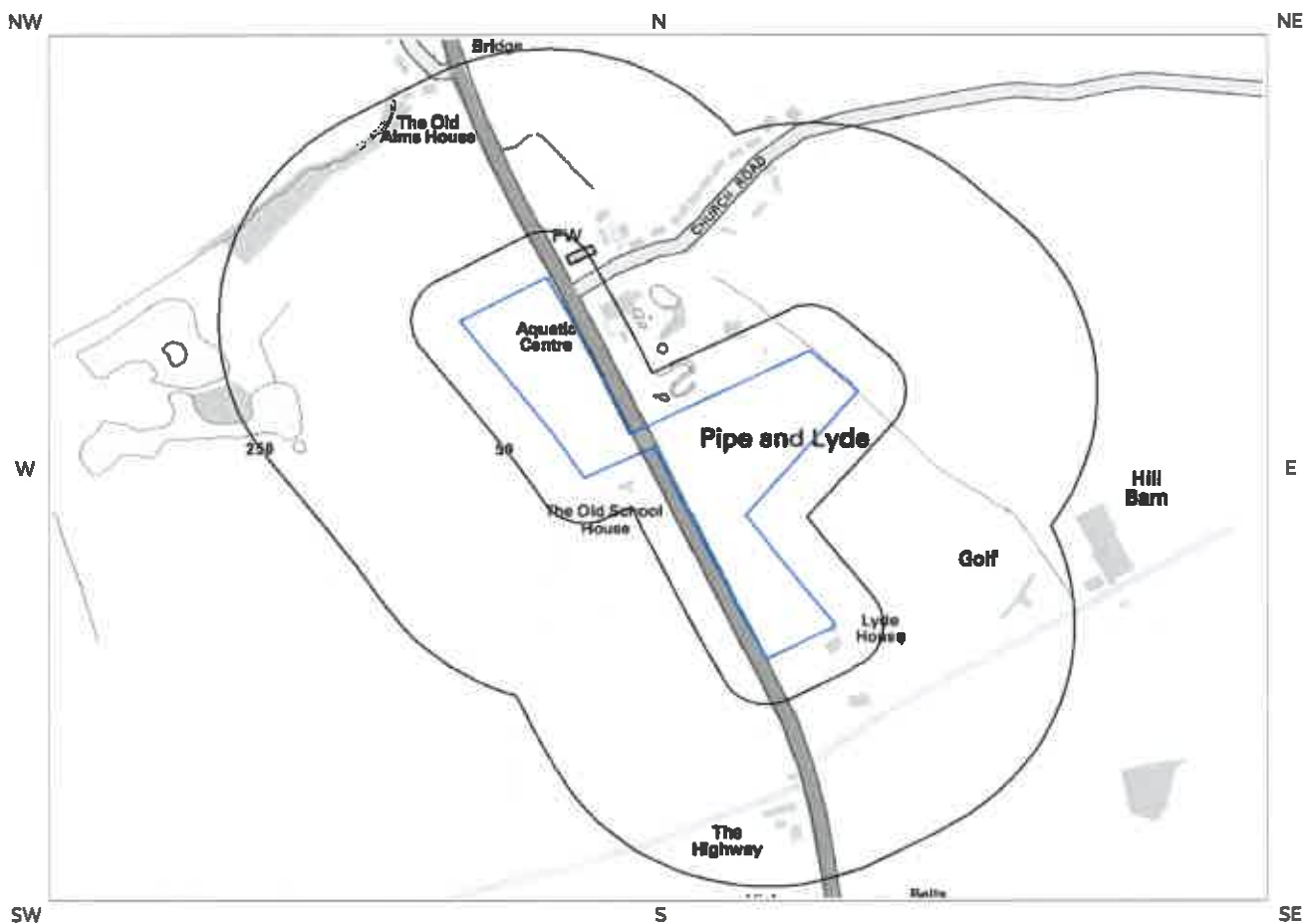
7a. Environment Agency/Natural Resources Wales Flood Map for Planning (from rivers and the sea)



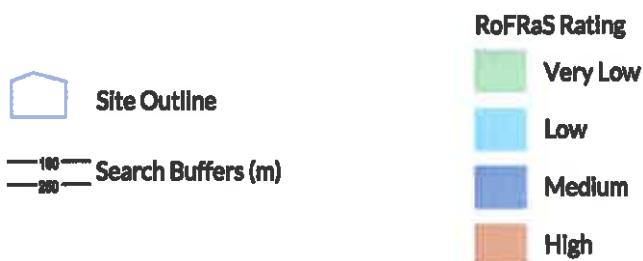
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7b. Environment Agency/Natural Resources Wales Risk of Flooding from Rivers and the Sea (RoFRaS) Map



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7 Flooding

7.1 River and Coastal Zone 2 Flooding

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

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

Database searched and no data found.

7.2 River and Coastal Zone 3 Flooding

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

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

Database searched and no data found.

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

Highest risk of flooding onsite Very Low

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

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

7.4 Flood Defences

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

7.5 Areas benefiting from Flood Defences

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

7.6 Areas benefitting from Flood Storage

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

None Identified

7.7 Groundwater Flooding Susceptibility Areas

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

None identified

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

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

Not Prone

The area is not considered to be prone to groundwater flooding based on rock type.

7.8 Groundwater Flooding Confidence Areas

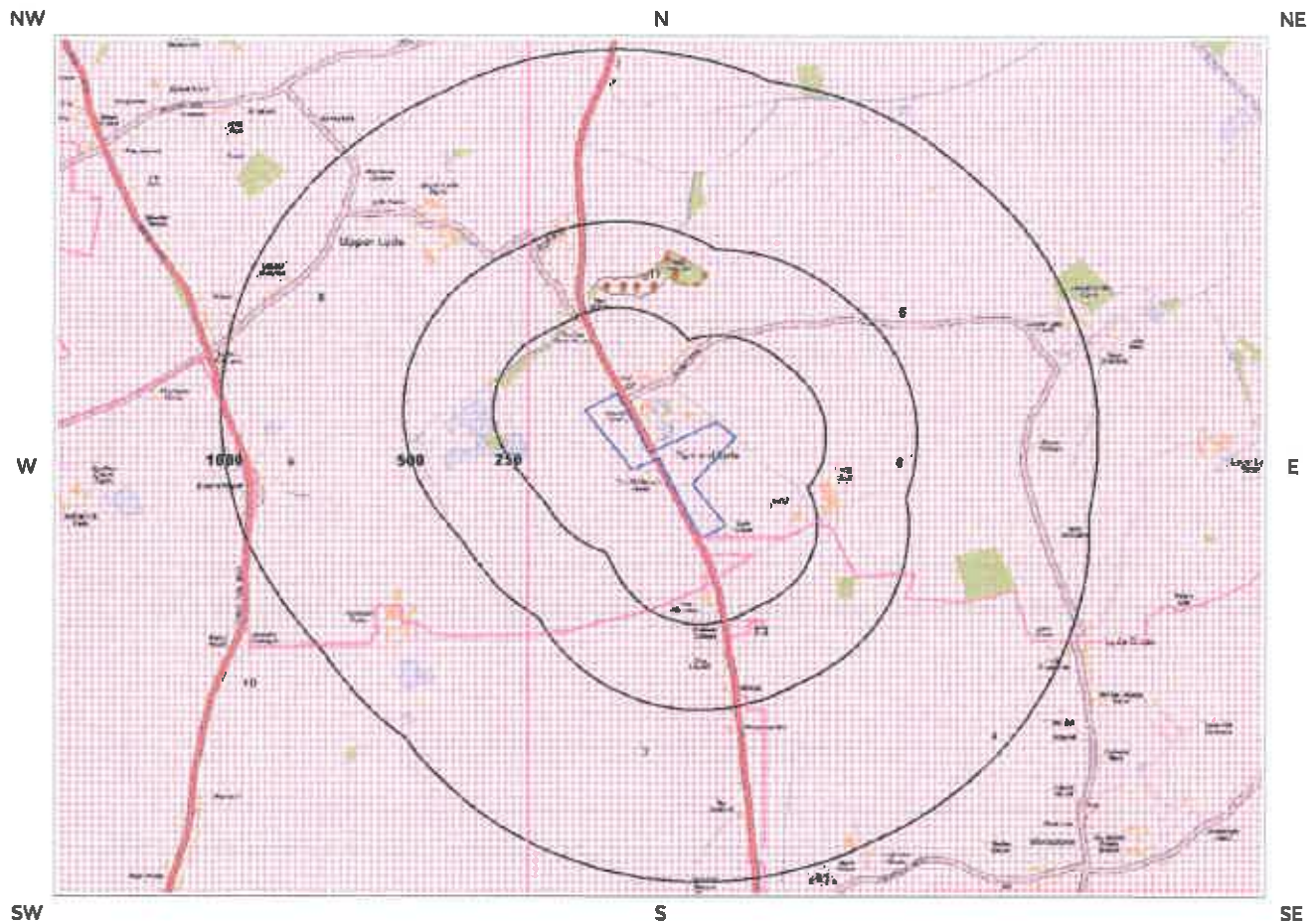
British Geological Survey confidence rating in this result

Not Applicable

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

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

8. Designated Environmentally Sensitive Sites Map



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8. Designated Environmentally Sensitive Sites

Designated Environmentally Sensitive Sites within 2000m of the study site

Identified

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

1

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

ID	Distance (m)	Direction	SSSI Name	Data Source
Not shown	1918	NE	River Lugg	Natural England

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

0

Database searched and no data found.

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

2

The following Special Area of Conservation (SAC) records provided by Natural England/Natural Resources Wales are represented as polygons on the Designated Environmentally Sensitive Sites Map:

ID	Distance (m)	Direction	SAC Name	Data Source
Not shown	1909	NE	River Wye / Afon Gwy (England)	Natural Resources Wales
Not shown	1918	NE	River Wye	Natural England

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:

1

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

ID	Distance (m)	Direction	Ancient Woodland Name	Data Source
11	283	N	PIPE COPPICE, ALDERS COPPICE	Ancient and Semi-Natural Woodland

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

0

Database searched and no data found.

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

0

Database searched and no data found.

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

0

Database searched and no data found.

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

0

Database searched and no data found.

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

0

Database searched and no data found.

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

0

Database searched and no data found.

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

7

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
4	0	On Site	Existing	DEFRA
5	0	On Site	Existing	DEFRA
6	0	On Site	Existing	DEFRA
7	55	SE	Existing	DEFRA
8	153	W	Existing	DEFRA
9	153	W	Existing	DEFRA
10	547	SW	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 Very Low

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

Hazard
Ground conditions predominantly low plasticity. No special actions required to avoid problems due to shrink-swell clays. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with shrink-swell clays.

9.1.2 Landslides

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

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

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

9.1.3 Soluble Rocks

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

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

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

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

Maximum Compressible Ground* hazard rating identified on the study site

Negligible

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

Hazard

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

9.1.5 Collapsible Rocks

Maximum Collapsible Rocks* hazard rating identified on the study site

Very Low

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

Hazard

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

9.1.6 Running Sand

Maximum Running Sand* hazard rating identified on the study site

Negligible

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

Hazard

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

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

9.2.1 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 in a Radon Affected Area, as between 1 and 3% 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
0.0	On Site	Berwyn Hills	Vein Mineral	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
20.0	NE	Not available	Vein Mineral	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

Past underground mine workings may occur. The rock types present in these areas are such that small mineral veins may be present on which it is possible that small scale mining has been undertaken and/or it is possible that limited underground extraction of other materials may have occurred. All such occurrences are likely to be of minor 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.

Contact Details

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