

Address: 18, BRADLEY FOLD ROAD, RADCLIFFE, BL2 5QD
Date: 6 Apr 2018
Reference: GS-4864994
Client: G&M Consulting Ltd



Aerial Photograph Capture date: 02-May-2011
Grid Reference: 376403,410135
Site Size: 0.01ha

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Contents Page

Contents Page	3
Overview of Findings	6
Using this report	10
1. Historical Land Use	11
1. Historical Industrial Sites	12
1.1 Potentially Contaminative Uses identified from 1:10,000 scale Mapping	12
1.2 Additional Information – Historical Tank Database	14
1.3 Additional Information – Historical Energy Features Database	14
1.4 Additional Information – Historical Petrol and Fuel Site Database	14
1.5 Additional Information – Historical Garage and Motor Vehicle Repair Database	15
1.6 Potentially Infilled Land	15
2. Environmental Permits, Incidents and Registers Map	18
2. Environmental Permits, Incidents and Registers	19
2.1 Industrial Sites Holding Licences and/or Authorisations	19
2.1.1 Records of historic IPC Authorisations within 500m of the study site	19
2.1.2 Records of Part A(1) and IPPC Authorised Activities within 500m of the study site	19
2.1.3 Records of Red List Discharge Consents (potentially harmful discharges to controlled waters) within 500m of the study site	19
2.1.4 Records of List 1 Dangerous Substances Inventory Sites within 500m of the study site	19
2.1.5 Records of List 2 Dangerous Substance Inventory Sites within 500m of the study site	19
2.1.6 Records of Part A(2) and Part B Activities and Enforcements within 500m of the study site	20
2.1.7 Records of Category 3 or 4 Radioactive Substances Authorisations	20
2.1.8 Records of Licensed Discharge Consents within 500m of the study site	20
2.1.9 Records of Water Industry Referrals (potentially harmful discharges to the public sewer) within 500m of the study site	21
2.1.10 Records of Planning Hazardous Substance Consents and Enforcements within 500m of the study site	21
2.2 Dangerous or Hazardous Sites	22
2.3 Environment Agency/Natural Resources Wales Recorded Pollution Incidents	22
2.3.1 Records of National Incidents Recording System, List 2 within 500m of the study site	22
2.3.2 Records of National Incidents Recording System, List 1 within 500m of the study site	22
2.4 Sites Determined as Contaminated Land under Part 2A EPA 1990	22
3. Landfill and Other Waste Sites Map	23
3. Landfill and Other Waste Sites	24
3.1 Landfill Sites	24
3.1.1 Records from Environment Agency/Natural Resources Wales landfill data within 1000m of the study site	24
3.1.2 Records of Environment Agency/Natural Resources Wales historic landfill sites within 1500m of the study site	24
3.1.3 Records of BGS/DoE non-operational landfill sites within 1500m of the study site	24
3.1.4 Records of Landfills from Local Authority and Historical Mapping Records within 1500m of the study site	25
3.2 Other Waste Sites	25
3.2.1 Records of waste treatment, transfer or disposal sites within 500m of the study site	25
3.2.2 Records of Environment Agency/Natural Resources Wales licensed waste sites within 1500m of the study site	25
4. Current Land Use Map	27
4. Current Land Uses	28
4.1 Current Industrial Data	28
4.2 Petrol and Fuel Sites	28
4.3 National Grid High Voltage Underground Electricity Transmission Cables	28
4.4 National Grid High Pressure Gas Transmission Pipelines	29

5. Geology	30
5.1 Artificial Ground and Made Ground.....	30
5.2 Superficial Ground and Drift Geology	30
5.3 Bedrock and Solid Geology	30
6 Hydrogeology and Hydrology	31
6a. Aquifer Within Superficial Geology	31
6b. Aquifer Within Bedrock Geology and Abstraction Licences	32
6c. Hydrogeology – Source Protection Zones and Potable Water Abstraction Licences	33
6d. Hydrogeology – Source Protection Zones within confined aquifer	34
6e. Hydrology – Watercourse Network and River Quality	35
6. Hydrogeology and Hydrology	36
6.1 Aquifer within Superficial Deposits.....	36
6.2 Aquifer within Bedrock Deposits.....	36
6.3 Groundwater Abstraction Licences.....	37
6.4 Surface Water Abstraction Licences.....	39
6.5 Potable Water Abstraction Licences.....	41
6.6 Source Protection Zones.....	41
6.7 Source Protection Zones within Confined Aquifer.....	41
6.8 Groundwater Vulnerability and Soil Leaching Potential.....	42
6.9 River Quality.....	42
6.9.1 Biological Quality:.....	42
6.9.2 Chemical Quality:.....	42
6.10 Ordnance Survey MasterMap Water Network.....	43
6.11 Surface Water Features.....	44
7a. Environment Agency/Natural Resources Wales Flood Map for Planning (from rivers and the sea)	45
7b. Environment Agency/Natural Resources Wales Risk of Flooding from Rivers and the Sea (RoFRaS)	46
Map	46
7 Flooding	47
7.1 River and Coastal Zone 2 Flooding.....	47
7.2 River and Coastal Zone 3 Flooding.....	47
7.3 Risk of Flooding from Rivers and the Sea (RoFRaS) Flood Rating.....	47
7.4 Flood Defences.....	47
7.5 Areas benefiting from Flood Defences.....	47
7.6 Areas benefiting from Flood Storage.....	48
7.7 Groundwater Flooding Susceptibility Areas.....	48
7.7.1 Are there any British Geological Survey groundwater flooding susceptibility areas within 50m of the boundary of the study site? Identified.....	48
7.7.2 What is the highest susceptibility to groundwater flooding in the search area based on the underlying geological conditions?.....	48
7.8 Groundwater Flooding Confidence Areas.....	48
8. Designated Environmentally Sensitive Sites Map	49
8. Designated Environmentally Sensitive Sites	50
8.1 Records of Sites of Special Scientific Interest (SSSI) within 2000m of the study site:.....	50
8.2 Records of National Nature Reserves (NNR) within 2000m of the study site:.....	50
8.3 Records of Special Areas of Conservation (SAC) within 2000m of the study site:.....	50
8.4 Records of Special Protection Areas (SPA) within 2000m of the study site:.....	50
8.5 Records of Ramsar sites within 2000m of the study site:.....	50
8.6 Records of Ancient Woodland within 2000m of the study site:	51
8.7 Records of Local Nature Reserves (LNR) within 2000m of the study site:.....	51
8.8 Records of World Heritage Sites within 2000m of the study site:.....	51
8.9 Records of Environmentally Sensitive Areas within 2000m of the study site:	51

8.10 Records of Areas of Outstanding Natural Beauty (AONB) within 2000m of the study site:	51
8.11 Records of National Parks (NP) within 2000m of the study site:	51
8.12 Records of Nitrate Sensitive Areas within 2000m of the study site:.....	51
8.13 Records of Nitrate Vulnerable Zones within 2000m of the study site:.....	52
8.14 Records of Green Belt land within 2000m of the study site:.....	52
9. Natural Hazards Findings	53
9.1 Detailed BGS GeoSure Data.....	53
9.1.1 Shrink Swell.....	53
9.1.2 Landslides.....	53
9.1.3 Soluble Rocks.....	53
9.1.4 Compressible Ground.....	54
9.1.5 Collapsible Rocks.....	54
9.1.6 Running Sand.....	54
9.2 Radon.....	55
9.2.1 Radon Affected Areas.....	55
9.2.2 Radon Protection.....	55
10. Mining	56
10.1 Coal Mining.....	56
10.2 Non-Coal Mining.....	56
10.3 Brine Affected Areas	56
Contact Details	57
Standard Terms and Conditions	59

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	0	2	21	44
1.2 Additional Information – Historical Tank Database	0	0	1	10
1.3 Additional Information – Historical Energy Features Database	0	0	0	9
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	3
1.6 Potentially Infilled Land	0	0	36	61

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	3
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	0	7
2.1.9 Records of Water Industry Referrals	0	0	0	0
2.1.10 Records of Planning Hazardous Substance Consents and Enforcements within 500m of the study site	0	0	0	0
2.2 Records of COMAH and NIHHS sites	0	0	0	0
2.3 Environment Agency/Natural Resources Wales Recorded Pollution Incidents				
2.3.1 National Incidents Recording System, List 2	0	0	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	1	1	0	0
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	2	0	0	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	0	Not searched	Not searched
3.2.2 Environment Agency/Natural Resources Wales Licensed Waste Sites	0	0	0	0	0	2

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	1
4.3 National Grid Underground Electricity Cables	0	0	0	0
4.4 National Grid Gas Transmission Pipelines	0	0	0	0

Section 5: Geology

5.1 Are there any records of Artificial Ground and Made Ground present beneath the study site?	None identified				
5.2 Are there any records of Superficial Ground and Drift Geology present beneath the study site?	Identified				
5.3 For records of Bedrock and Solid Geology beneath the study site see the detailed findings section.					

Section 6: Hydrogeology and Hydrology

	On-site	0-50m	51-250	251-500	501-1000	1000-2000
6.1 Are there any records of Strata Classification in the Superficial Geology within 500m of the study site?	Identified					
6.2 Are there any 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	0	0	3	13
6.4 Surface Water Abstraction Licences (within 2000m of the study site)	0	0	0	0	2	8
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	2	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 Is there any 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	0	0	0	6	Not searched	Not searched
6.11 Surface water features within 250m of the study site	No	No	Yes	Not searched	Not searched	Not searched

Section 7: Flooding

7.1 Are there any Environment Agency Zone 2 floodplains within 250m of the study site?	None identified
7.2 Are there any Environment Agency/Natural Resources Wales Zone 3 floodplains within 250m of the study site	None identified
7.3 What is the Risk of flooding from Rivers and the Sea (RoFRaS) rating for the study site?	Very Low
7.4 Are there any Flood Defences within 250m of the study site?	None identified
7.5 Are there any areas benefiting from Flood Defences within 250m of the study site?	None identified
7.6 Are there any areas used for Flood Storage within 250m of the study site?	None identified
7.7 What is the maximum BGS Groundwater Flooding susceptibility within 50m of the study site?	Limited potential
7.8 What is the 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	0
8.7 Records of Local Nature Reserves (LNR)	0	0	0	0	0	0
8.8 Records of World Heritage Sites	0	0	0	0	0	0
8.9 Records of Environmentally Sensitive Areas	0	0	0	0	0	0

Section 8: Designated Environmentally Sensitive Sites

	On-site	0-50m	51-250	251-500	501-1000	1000-2000
8.10 Records of Areas of Outstanding Natural Beauty (AONB)	0	0	0	0	0	0
8.11 Records of National Parks	0	0	0	0	0	0
8.12 Records of Nitrate Sensitive Areas	0	0	0	0	0	0
8.13 Records of Nitrate Vulnerable Zones	0	0	0	0	0	0
8.14 Records of Green Belt land	1	0	1	0	0	4

Section 9: Natural Hazards

9.1 What is the maximum risk of natural ground subsidence?

Very Low

9.1.1 What is the maximum Shrink-Swell hazard rating identified on the study site?

Very Low

9.1.2 What is the maximum Landslides hazard rating identified on the study site?

Very Low

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

Negligible

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

Negligible

9.1.5 What is the maximum Collapsible Rocks hazard rating identified on the study site?

Very Low

9.1.6 What is the maximum Running Sand hazard rating identified on the study site?

Very Low

9.2 Radon

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

The 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 Are there any coal mining areas within 75m of the study site?

Identified

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

None identified

10.3 Are there any 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.

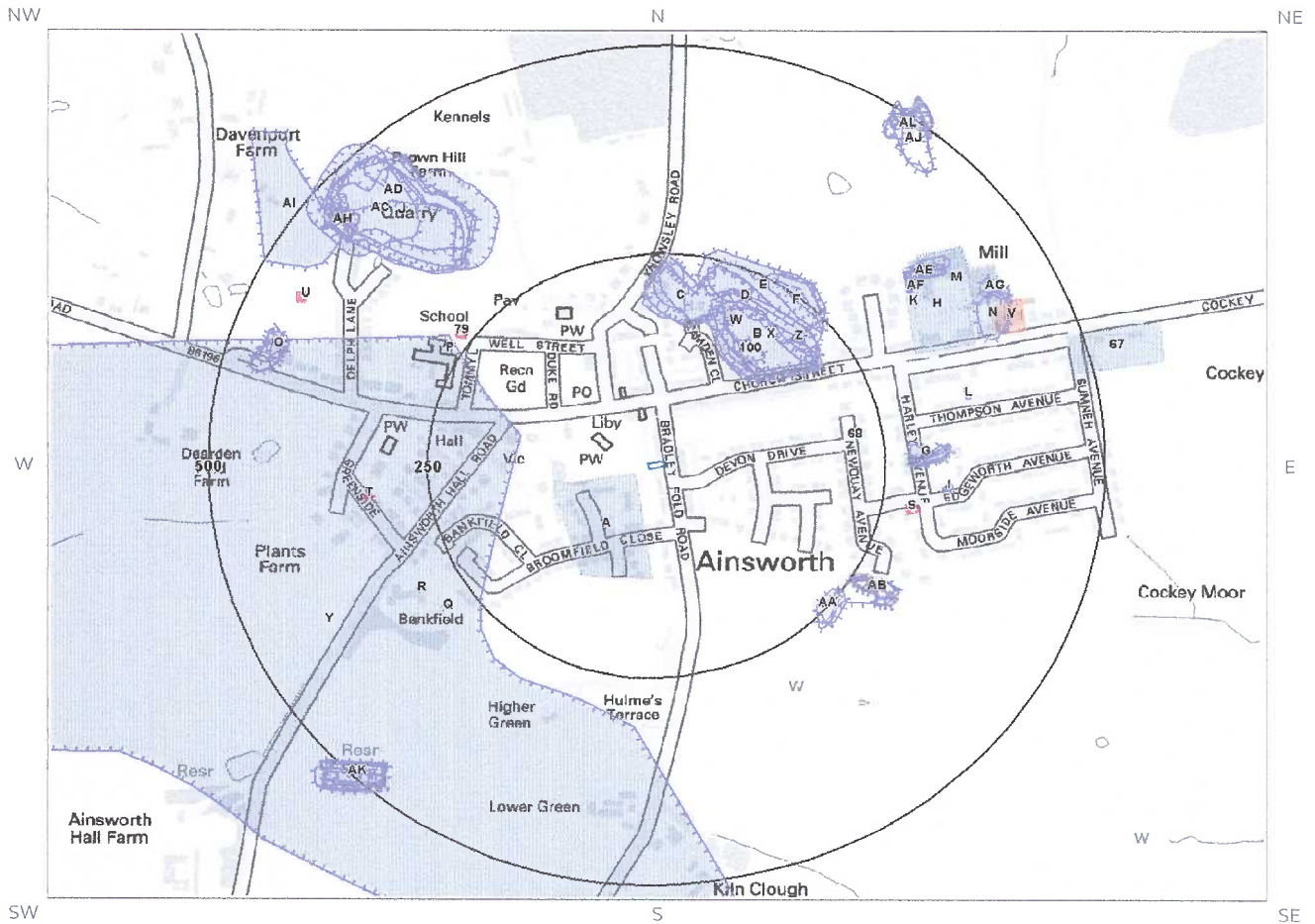
Note: Maps

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



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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: 67

ID	Distance [m]	Direction	Use	Date
1A	17	W	Nurseries	1956
2A	17	W	Nurseries	1969
3W	133	NE	Unspecified Old Quarry	1890
4X	142	NE	Sandstone Quarry	1851
5Y	148	W	Cemetery	1890
6B	148	NE	Refuse Heap	1974
7B	148	NE	Refuse Heap	1969
8C	166	N	Unspecified Ground Workings	1927
9C	166	N	Unspecified Ground Workings	1908
10C	166	N	Unspecified Ground Workings	1938
11D	173	N	Unspecified Quarry	1956
12C	181	N	Unspecified Pit	1974
13C	181	N	Unspecified Pit	1969
14D	206	N	Unspecified Pit	1927
15D	206	N	Unspecified Heap	1938
16D	206	N	Unspecified Pit	1908
17Z	207	NE	Unspecified Pit	1927
18E	207	N	Unspecified Ground Workings	1969
19E	207	N	Unspecified Ground Workings	1974
20F	231	NE	Unspecified Ground Workings	1908
21F	231	NE	Unspecified Ground Workings	1927
22F	231	NE	Unspecified Ground Workings	1938
23F	245	NE	Unspecified Heap	1980
24G	276	E	Refuse Heap	1908
25G	277	E	Unspecified Ground Workings	1927
26G	279	E	Unspecified Ground Workings	1938
27J	306	NW	Unspecified Disused Quarry	1980

28H	313	NE	Unspecified Mill	1927
29H	313	NE	Unspecified Mill	1938
30H	313	NE	Unspecified Mill	1908
31H	313	NE	Unspecified Mill	1890
32I	317	E	Sewage Tanks	1938
33I	317	E	Sewage Tanks	1927
34J	319	NW	Unspecified Disused Quarry	1956
35J	321	NW	Unspecified Quarry	1908
36J	321	NW	Unspecified Quarry	1890
37J	321	NW	Unspecified Quarry	1938
38J	321	NW	Unspecified Quarry	1927
39AD	321	NW	Unspecified Ground Workings	1969
40H	324	NE	Unspecified Mill	1969
41H	324	NE	Unspecified Mill	1956
42J	331	NW	Unspecified Ground Workings	1974
43K	337	NE	Unspecified Tank	1927
44K	339	NE	Unspecified Tank	1938
45K	347	NE	Unspecified Tank	1956
46AF	349	NE	Chimney	1969
47L	352	E	Sewage Tank	1927
48L	352	E	Unspecified Old Shaft	1908
49L	352	E	Unspecified Old Shaft	1938
50L	352	E	Unspecified Old Shaft	1927
51L	352	E	Sewage Tank	1938
52M	354	NE	Unspecified Mill	1980
53M	359	NE	Unspecified Mill	1974
54AC	382	NW	Sandstone Quarry	1851
55N	392	NE	Refuse Heap	1938
56N	392	NE	Refuse Heap	1927
57N	392	NE	Refuse Heap	1908
58N	412	E	Unspecified Ground Workings	1956
59AG	415	NE	Unspecified Heap	1969
60O	433	W	Unspecified Pit	1980
61O	433	W	Unspecified Pit	1974
62O	435	W	Unspecified Pit	1956
63O	437	W	Unspecified Pit	1938
64O	437	W	Unspecified Pit	1927
65O	439	W	Unspecified Pit	1969
66AI	440	NW	Unspecified Pit	1890
67	476	E	Nursery	1851

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:

11

ID	Distance (m)	Direction	Use	Date
68	216	E	Rural District Council Sewage Tank	1930
69P	260	NW	Unspecified Tank	1974
70P	260	NW	Unspecified Tank	1996
71Q	281	SW	Unspecified Tank	1986
72Q	284	SW	Unspecified Tank	1975
73R	293	SW	Unspecified Tank	1955
74R	293	SW	Unspecified Tank	1955
75I	316	E	Rural District Council Sewage Tanks	1930
76K	337	NE	Unspecified Tank	1930
77K	341	NE	Unspecified Tank	1939
78K	341	NE	Unspecified Tank	1890

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:

9

ID	Distance (m)	Direction	Use	Date
79	256	NW	Electricity Substation	1996
80S	277	E	Electricity Substation	1980
81S	279	E	Electricity Substation	1992
82T	313	W	Electricity Substation	1974
83T	313	W	Electricity Substation	1996
84U	434	NW	Electricity Substation	1955
85U	436	NW	Electricity Substation	1955
86U	436	NW	Electricity Substation	1955
87U	437	NW	Electricity Substation	1992

1.4 Additional Information – Historical Petrol and Fuel Site Database

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

Records of historical petrol stations and fuel sites within 500m of the search boundary: 0

Database searched and no data found.

1.5 Additional Information – Historical Garage and Motor Vehicle Repair Database

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

Records of historical garage and motor vehicle repair sites within 500m of the search boundary: 3

ID	Distance (m)	Direction	Use	Date
88N	409	E	Garage	1980
89V	412	E	Garage	1992
90V	413	E	Garage	1964

1.6 Potentially Infilled Land

Records of Potentially Infilled Features from 1:10,000 scale mapping within 500m of the study site: 97

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

ID	Distance(m)	Direction	Use	Date
91W	133	NE	Unspecified Old Quarry	1890
92X	139	NE	Pond	1908
93X	139	NE	Pond	1938
94X	139	NE	Pond	1927
95X	142	NE	Sandstone Quarry	1851
96X	145	NE	Pond	1890
97Y	148	W	Cemetery	1890
98X	148	NE	Refuse Heap	1974
99X	148	NE	Refuse Heap	1969
100	151	NE	Pond	1851
101X	153	NE	Pond	1956
102C	166	N	Unspecified Ground Workings	1927
103C	166	N	Unspecified Ground Workings	1938
104C	166	N	Unspecified Ground Workings	1908
105D	173	N	Unspecified Quarry	1956
106C	181	N	Unspecified Pit	1969
107C	181	N	Unspecified Pit	1974
108D	206	N	Unspecified Pit	1908

109D	206	N	Unspecified Pit	1927
110D	206	N	Unspecified Heap	1938
111Z	207	NE	Unspecified Pit	1927
112D	207	N	Unspecified Ground Workings	1974
113D	207	N	Unspecified Ground Workings	1969
114F	231	NE	Unspecified Ground Workings	1927
115F	231	NE	Unspecified Ground Workings	1938
116F	231	NE	Unspecified Ground Workings	1908
117AA	237	SE	Pond	1955
118AA	244	SE	Ponds	1908
119AA	244	SE	Ponds	1927
120AA	244	SE	Ponds	1938
121AA	244	SE	Ponds	1890
122F	245	NE	Unspecified Heap	1980
123AA	245	SE	Pond	1977
124AA	245	SE	Pond	1988
125AA	245	SE	Pond	1991
126AB	248	SE	Ponds	1965
127AB	254	SE	Ponds	1955
128AB	254	SE	Ponds	1991
129AB	254	SE	Ponds	1977
130AB	254	SE	Ponds	1988
131G	276	E	Refuse Heap	1908
132G	277	E	Unspecified Ground Workings	1927
133G	279	E	Unspecified Ground Workings	1938
134AC	306	NW	Unspecified Disused Quarry	1980
135I	317	E	Sewage Tanks	1938
136I	317	E	Sewage Tanks	1927
137J	319	NW	Unspecified Disused Quarry	1956
138J	321	NW	Unspecified Quarry	1927
139J	321	NW	Unspecified Quarry	1938
140J	321	NW	Unspecified Quarry	1890
141J	321	NW	Unspecified Quarry	1908
142AD	321	NW	Unspecified Ground Workings	1969
143J	331	NW	Unspecified Ground Workings	1974
144AE	343	NE	Pond	1890
145AE	343	NE	Reservoirs	1938
146AE	343	NE	Ponds	1908
147AF	344	NE	Reservoirs	1927

148L	352	E	Sewage Tank	1927
149L	352	E	Unspecified Old Shaft	1927
150L	352	E	Unspecified Old Shaft	1938
151L	352	E	Unspecified Old Shaft	1908
152L	352	E	Sewage Tank	1938
153AE	353	NE	Reservoirs	1956
154AC	382	NW	Sandstone Quarry	1851
155V	392	NE	Refuse Heap	1908
156V	392	NE	Refuse Heap	1938
157V	392	NE	Refuse Heap	1927
158V	412	E	Unspecified Ground Workings	1956
159AG	415	NE	Unspecified Heap	1969
160AH	432	NW	Pond	1927
161AH	432	NW	Pond	1938
162O	433	W	Unspecified Pit	1980
163O	433	W	Unspecified Pit	1974
164AH	434	NW	Pond	1956
165AH	435	NW	Pond	1908
166O	435	W	Unspecified Pit	1956
167O	437	W	Unspecified Pit	1938
168O	437	W	Unspecified Pit	1927
169O	439	W	Unspecified Pit	1969
170AI	440	NW	Unspecified Pit	1890
171AJ	454	NE	Ponds	1890
172AJ	455	NE	Water Body	1908
173AK	463	SW	Pond	1965
174AK	463	SW	Reservoir	1988
175AK	463	SW	Reservoir	1977
176AK	466	SW	Reservoir	1991
177AL	466	NE	Ponds	1938
178AL	466	NE	Ponds	1927
179AK	470	SW	Reservoir	1955
180AK	476	SW	Reservoir	1938
181AL	477	NE	Ponds	1956
182AK	478	SW	Reservoir	1927
183AK	479	SW	Pond	1890
184AL	482	NE	Ponds	1974
185AL	482	NE	Ponds	1980
186AL	482	NE	Ponds	1969
187AK	482	SW	Pond	1851

2. Environmental Permits, Incidents and Registers Map



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- | | | |
|--------------------|-------------------------------|--|
| 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 / NIHHS 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:

3

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
8C	393	NE	376723 410378	Address: Sealocrete, Moorside Mill, Church St, Ainsworth, BL2 Process: Bitumen & Tar Processes Status: Historical Permit Permit Type: Part B Enforcement: No Enforcements Notified Date of Enforcement: No Enforcements Notified Comment: No Enforcements Notified
9C	393	NE	376723 410378	Address: Masterbuild Products Ltd, Moorside Mill, Church Street, Ainsworth, BL2 5RD Process: Bitumen & Tar Processes Status: Current Permit Permit Type: Part B Enforcement: No Enforcements Notified Date of Enforcement: No Enforcements Notified Comment: No Enforcements Notified
10	415	NE	376767 410351	Address: Sealocrete, Moorside Mill, Church Street, Ainsworth, BL2 Process: Bitumen & Tar Processes Status: Historical Permit Permit Type: Part B Enforcement: No Enforcements Notified Date of Enforcement: No Enforcements Notified Comment: No Enforcements Notified

2.1.7 Records of Category 3 or 4 Radioactive Substances Authorisations:

0

Database searched and no data found.

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

7

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	331	S	376400 409800	Address: 1-6 HULMES TERRACE, OFF BRADLEY FOLD ROAD, AINSWORTH, NR BOLTON, LANCASHIRE, BL2 5QW Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: 0174/8 Permit Version: 1 Receiving Water: BLACKSHAW BROOK Status: PRE NRA LEGISLATION WHERE ISSUE DATE < 01-SEP-89 (HISTORIC ONLY) Issue date: 23/07/1974 Effective Date: 23-Jul-1974 Revocation Date: -
2A	331	S	376400 409800	Address: 1-6 HULMES TERRACE, OFF BRADLEY FOLD ROAD, AINSWORTH, NR BOLTON, LANCASHIRE, BL2 5QW Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: 0174/8 Permit Version: 1 Receiving Water: BLACKSHAW BROOK Status: PRE NRA LEGISLATION WHERE ISSUE DATE < 01-SEP-89 (HISTORIC ONLY) Issue date: 23/07/1974 Effective Date: 23-Jul-1974 Revocation Date: -

ID	Distance (m)	Direction	NGR	Details
3A	331	S	376400 409800	Address: 1-6 HULMES TERRACE, OFF BRADLEY FOLD ROAD, AINSWORTH, NR BOLTON, LANCASHIRE, BL2 5QW Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: 0174/8 Permit Version: 1 Receiving Water: BLACKSHAW BROOK Status: PRE NRA LEGISLATION WHERE ISSUE DATE < 01-SEP-89 (HISTORIC ONLY) Issue date: 23/07/1974 Effective Date: 23-Jul-1974 Revocation Date: -
4A	331	S	376400 409800	Address: 1-6 HULMES TERRACE, OFF BRADLEY FOLD ROAD, AINSWORTH, NR BOLTON, LANCASHIRE, BL2 5QW Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: 0174/8 Permit Version: 1 Receiving Water: BLACKSHAW BROOK Status: PRE NRA LEGISLATION WHERE ISSUE DATE < 01-SEP-89 (HISTORIC ONLY) Issue date: 23/07/1974 Effective Date: 23-Jul-1974 Revocation Date: -
5B	383	NE	376620 410460	Address: REAR OF 87 CHURCH STREET WEST CSO, BURY, LANCASHIRE Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: 016993584 Permit Version: 1 Receiving Water: UNNAMED POND Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 31/05/2006 Effective Date: 31-May-2006 Revocation Date: -
6B	383	NE	376620 410460	Address: REAR OF 87 CHURCH STREET WEST CSO, BURY, LANCASHIRE Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01BRY0019 Permit Version: 1 Receiving Water: POND Status: CONSENT REVOKED OR REVISED - NEW CONSENT ISSUED (37(1)) Issue date: 01/01/1995 Effective Date: 01-Jan-1995 Revocation Date: 30/05/2006
7	424	W	376000 409970	Address: AINSWORTH BANKFIELD CHILDRENS HOME, BURY, GREATER MANCHESTER Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: 016992588 Permit Version: 1 Receiving Water: TRIB BLACKSHAW BROOK Status: LAPSED UNDER SCHEDULE 23 ENVIRONMENT ACT 1995 Issue date: - Effective Date: 13-Dec-1993 Revocation Date: 01/10/1996

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

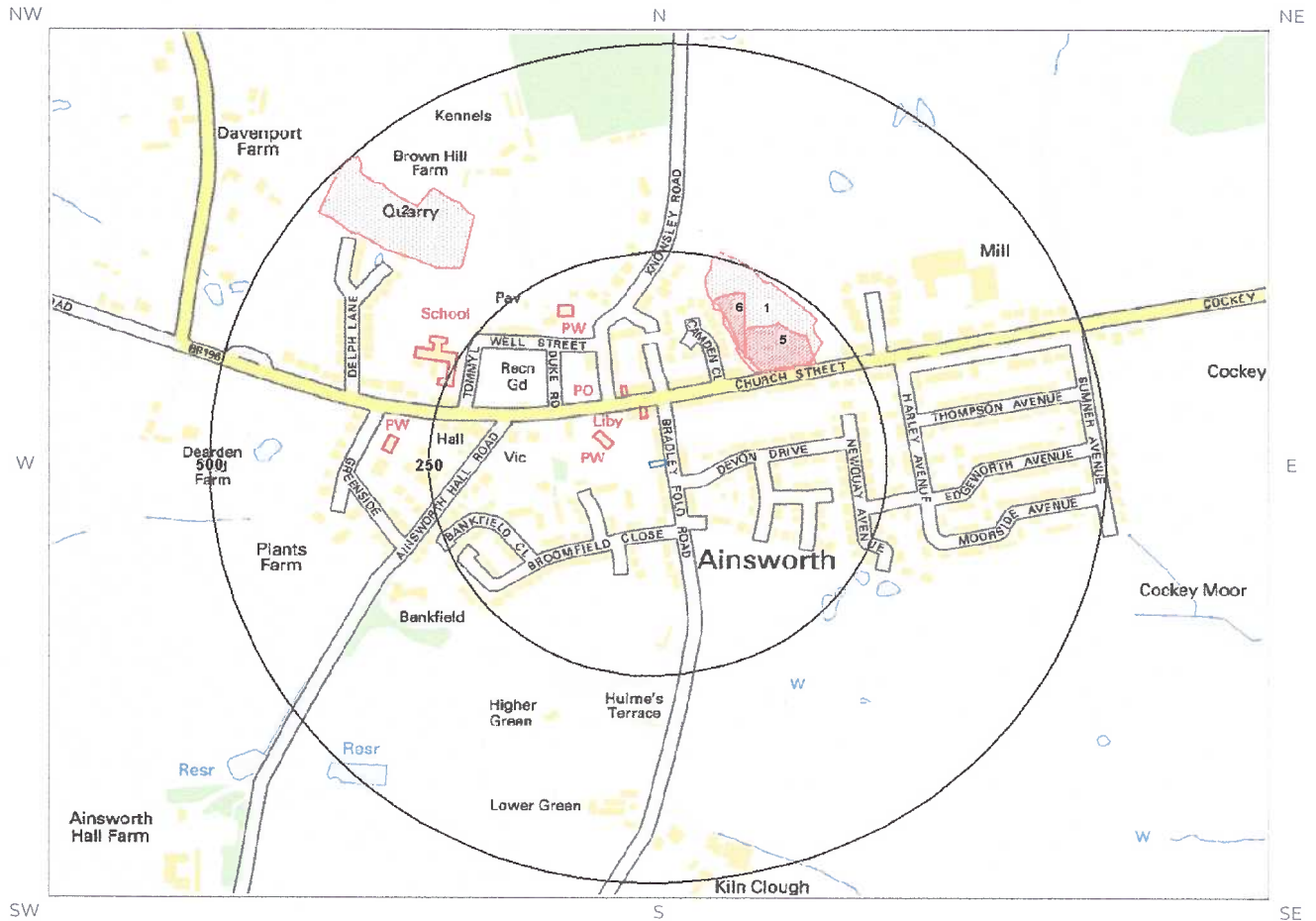
Database searched and no data found.

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

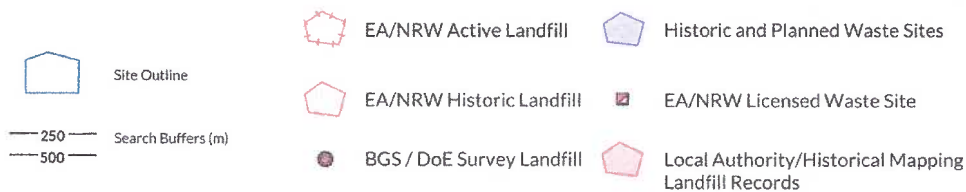
How many records of sites determined as contaminated land under Section 78R of the Environmental Protection Act 1990 are there within 500m of the study site? 0

Database searched and no data found.

3. Landfill and Other Waste Sites Map



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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:

2

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
1	145	NE	376500 410300	Site Address: Delph Lodge, Ainsworth, Greater Manchester Waste Licence: - Site Reference: C086 Waste Type: Industrial, Household Environmental Permitting Regulations (Waste) Reference: - Licence Issue: Licence Surrendered: Licence Holder Address: - Operator: - Licence Holder: - First Recorded: - Last Recorded: -
2	318	NW	376100 410400	Site Address: Delph Lane Quarry / Land at Egypt Lane, Simister, Ainsworth, Bury, Greater Manchester Waste Licence: - Site Reference: C122, 01140 Waste Type: Household Environmental Permitting Regulations (Waste) Reference: - Licence Issue: Licence Surrendered: Licence Holder Address: 115 Radcliffe New Road, Whitefield Operator: - Licence Holder: T J Murphy First Recorded: - Last Recorded: -

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

0

Database searched and no data found.

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

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
5	152	NE	376540 410274	Refuse Tip	1963 mapping	Polygon
6	154	NE	376481 410303	Refuse Tip	1965 mapping	Polygon
Not shown	1228	W	375202 409799	Refuse Tip	1972 mapping	Polygon

3.2 Other Waste Sites

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

0

Database searched and no data found.

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

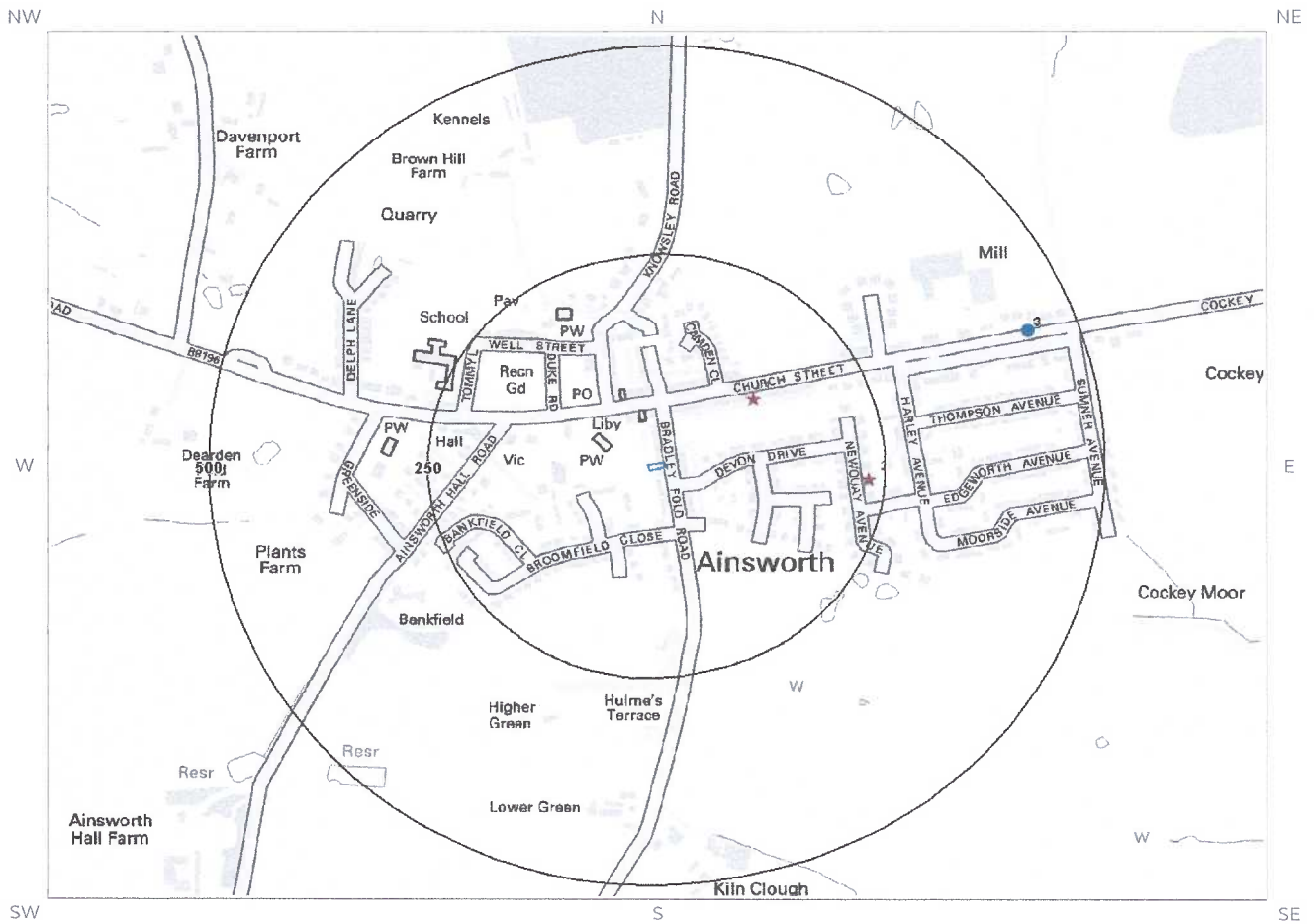
2

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

ID	Distance (m)	Direction	NGR	Details
Not shown	1230	W	375197 409837	Site Address: Litemoves, Unit 5c, Manor Gate Road, Redbridge Ind Est, Bolton, Lancashire, BL2 5PH Type: Vehicle Depollution Facility <5000 tps Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: STE149 EPR reference: EA/EPR/BB3539RS/A001 Operator: Stephens Mark Waste Management licence No: 103263 Annual Tonnage: 4999.0 Issue Date: 03/10/2011 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued Site Name: Litemoves Correspondence Address: -

ID	Distance (m)	Direction	NGR	Details
Not shown	1313	SW	375540 409132	Site Address: Ainsworth Mill, Bury New Road, Brightmet, Bolton, Lancashire, BL2 6QB Type: Metal Recycling Site <25000 tps Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: HAM052 EPR reference: EA/EPR/AB3604KG/A001 Operator: Hamer Laszlo Waste Management licence No: 400747 Annual Tonnage: 24999.0 Issue Date: 06/03/2014 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued Site Name: Ainsworth Mill Correspondence Address: -

4. Current Land Use Map



Site Outline



Current Industrial Sites

Electricity Transmission Cables



Search Buffers (m)



Petrol & Fuel Sites

Gas Transmission Pipelines

4. Current Land Uses

4.1 Current Industrial Data

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

2

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

ID	Distance (m)	Direction	Company	NGR	Address	Activity	Category
1	128	NE	Bolton Enamellers	376511 410217	50, Church Street, Ainsworth, Bolton, BL2 5RT	Industrial Coatings and Finishings	Industrial Products
2	231	E	K I T Z	376642 410121	21, Newquay Avenue, Bolton, BL2 5QQ	Textiles, Fabrics, Silk and Machinery	Industrial Products

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
3	442	E	376823 410298	Bfl	Ainsworth Service Station, Church Street, Church Street, Ainsworth, Bolton, Greater Manchester, BL2 5RD	Not Applicable	Obsolete

4.3 National Grid High Voltage Underground Electricity Transmission Cables

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

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

0

Database searched and no data found.

4.4 National Grid High Pressure Gas Transmission Pipelines

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

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

Database searched and no data found.

5. Geology

5.1 Artificial Ground and Made Ground

Database searched and no data found.

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

5.2 Superficial Ground and Drift Geology

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

Lex Code	Description	Rock Type
TILLD-DMTN	TILL, DEVENSIAN	DIAMICTON

5.3 Bedrock and Solid Geology

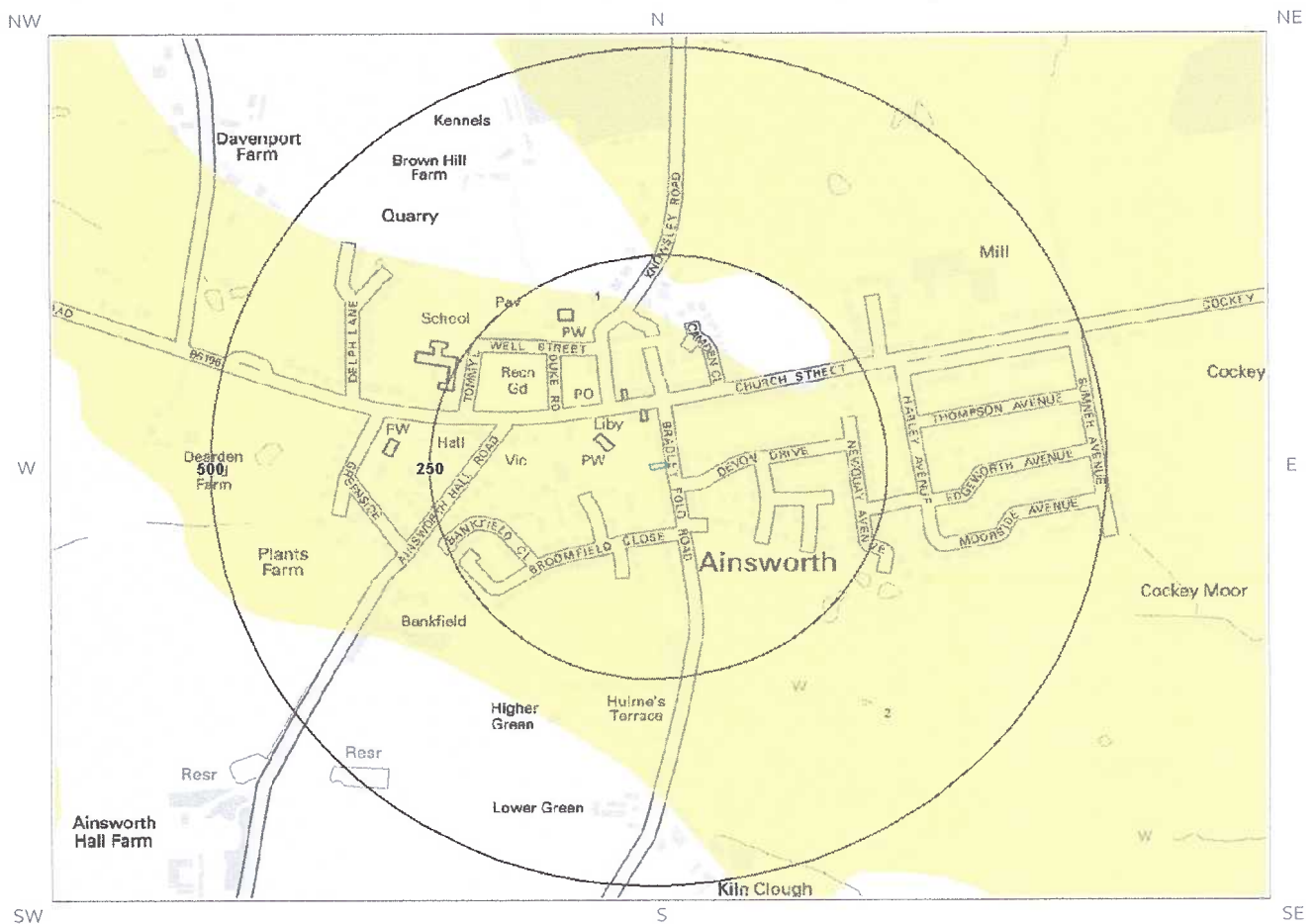
The database has been searched on site, including a 50m buffer.

Lex Code	Description	Rock Type
OL-SDST	OLD LAWRENCE ROCK	SANDSTONE
PLCM-MDSS	PENNINE LOWER COAL MEASURES FORMATION	MUDSTONE, SILTSTONE AND SANDSTONE

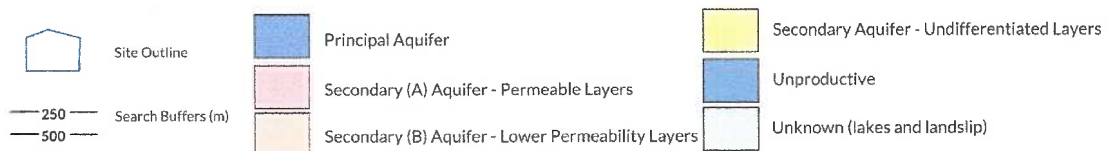
(Derived from the BGS 1:50,000 Digital Geological Map of Great Britain)

6 Hydrogeology and Hydrology

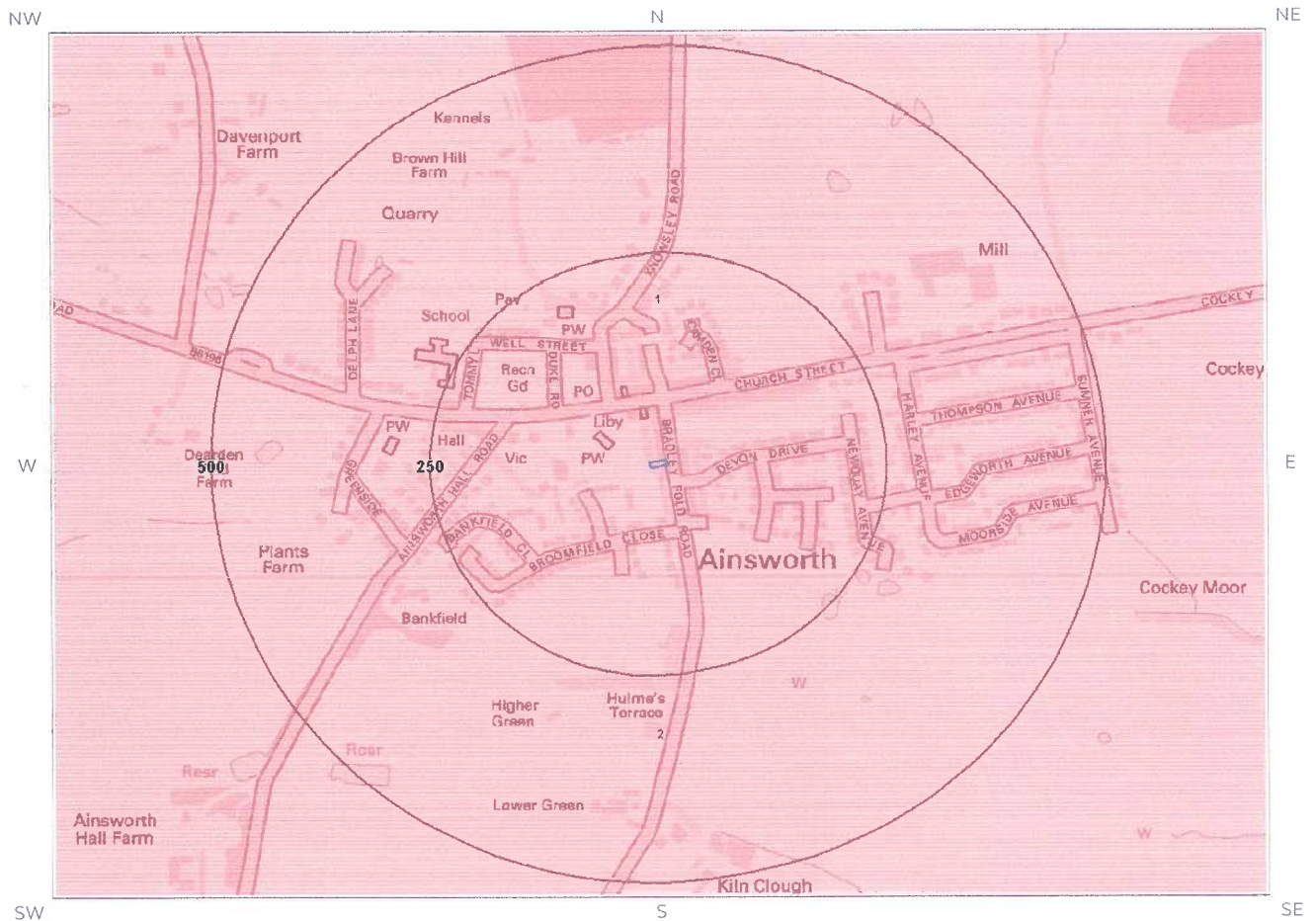
6a. Aquifer Within Superficial Geology



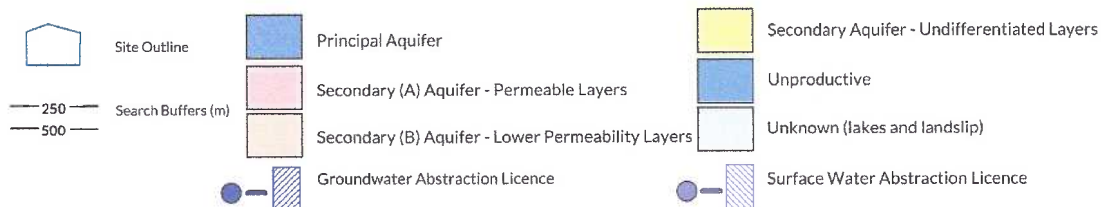
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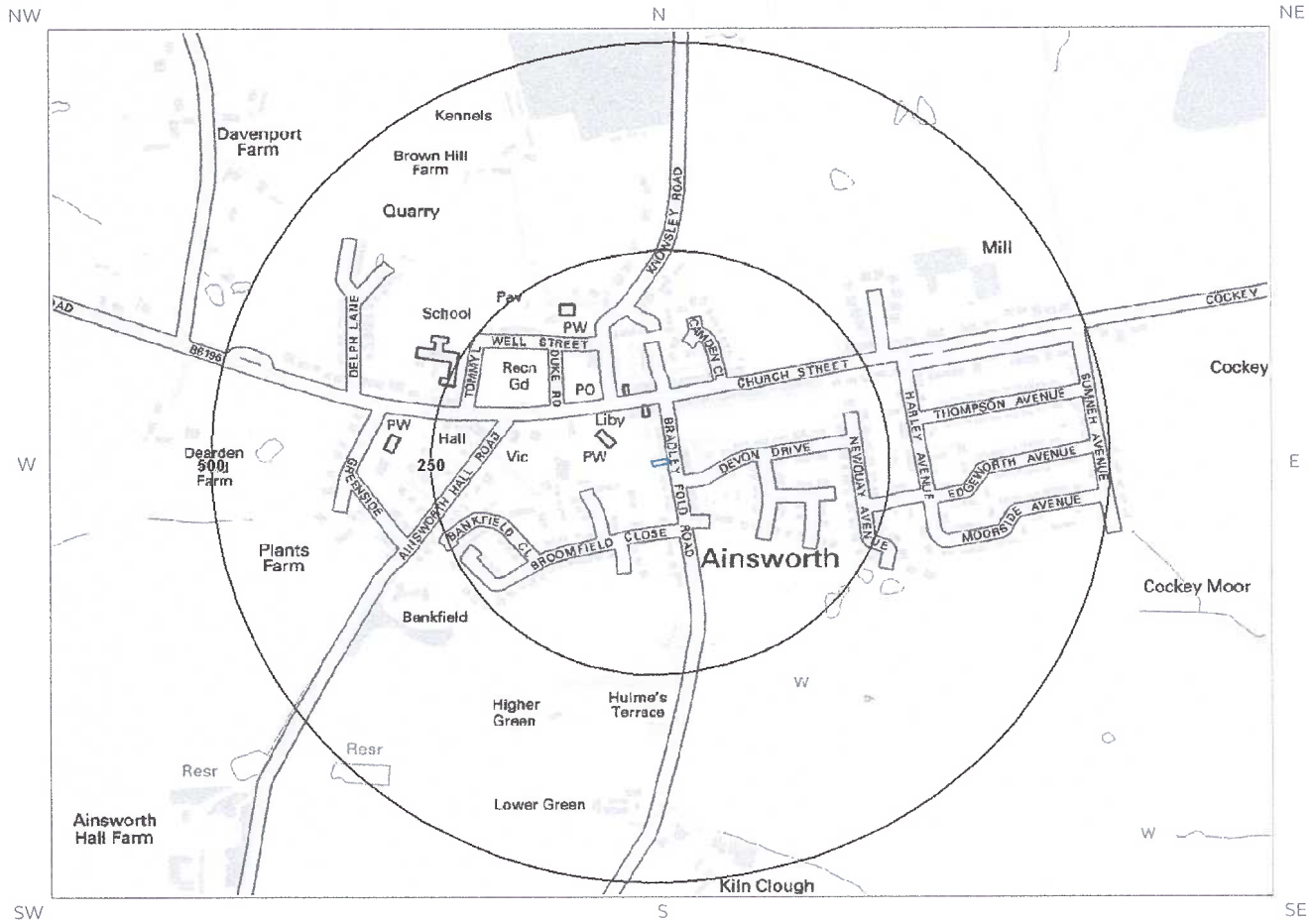
6b. Aquifer Within Bedrock Geology and Abstraction Licenses



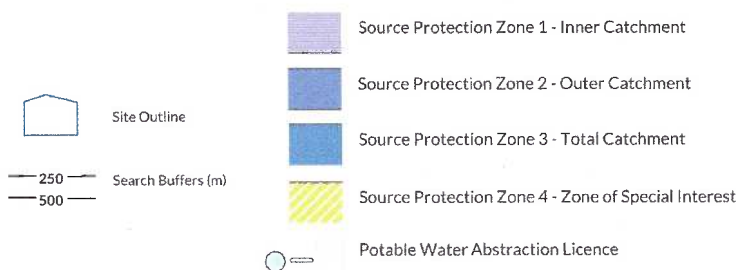
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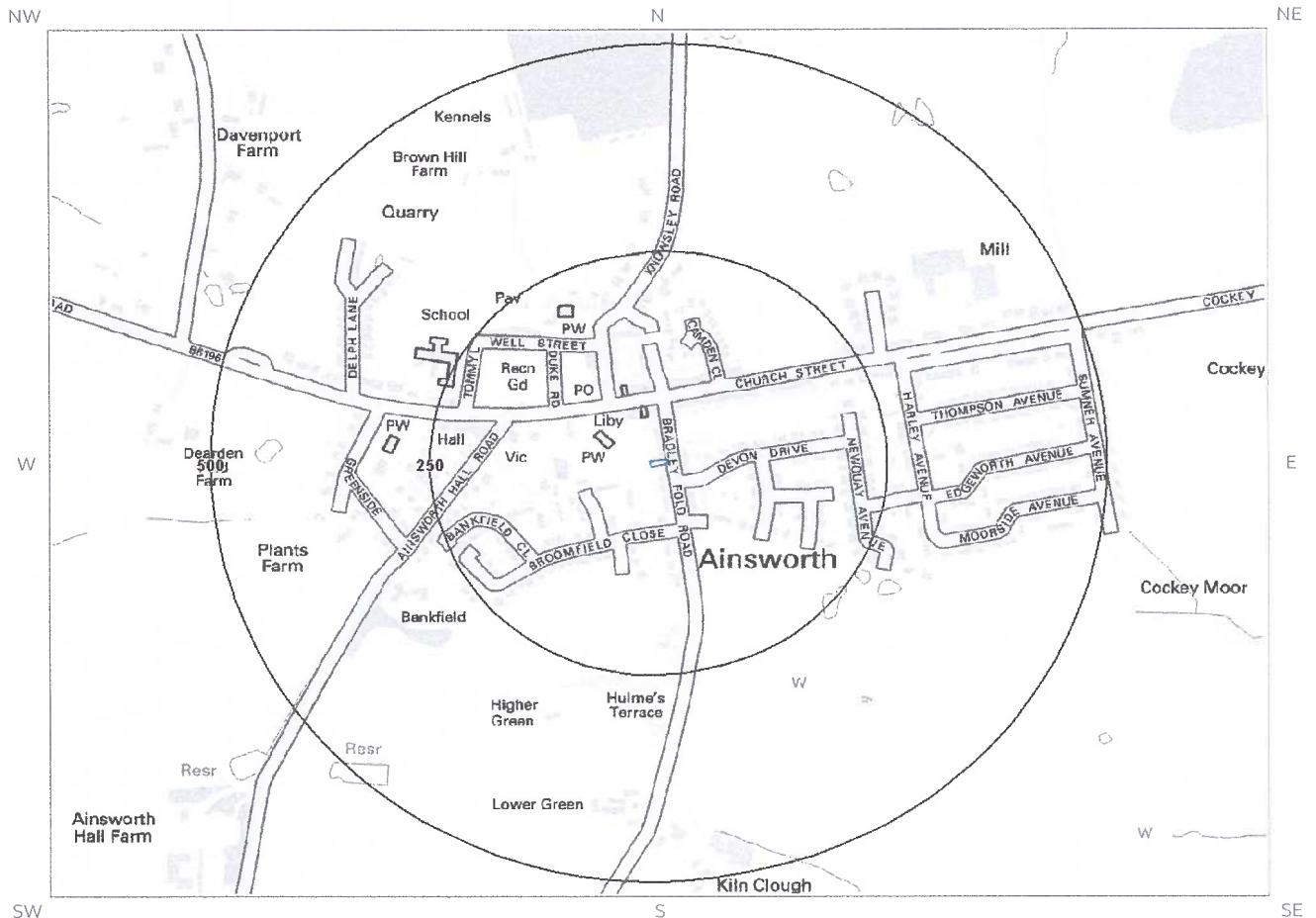
6c. Hydrogeology – Source Protection Zones and Potable Water Abstraction Licenses



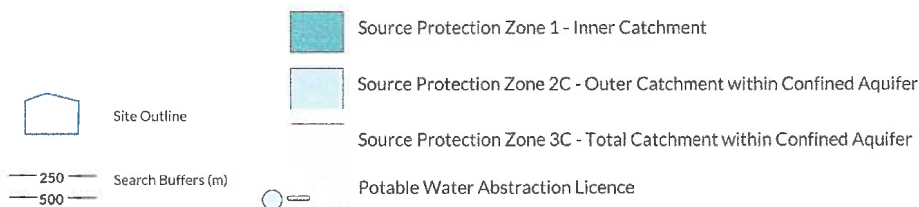
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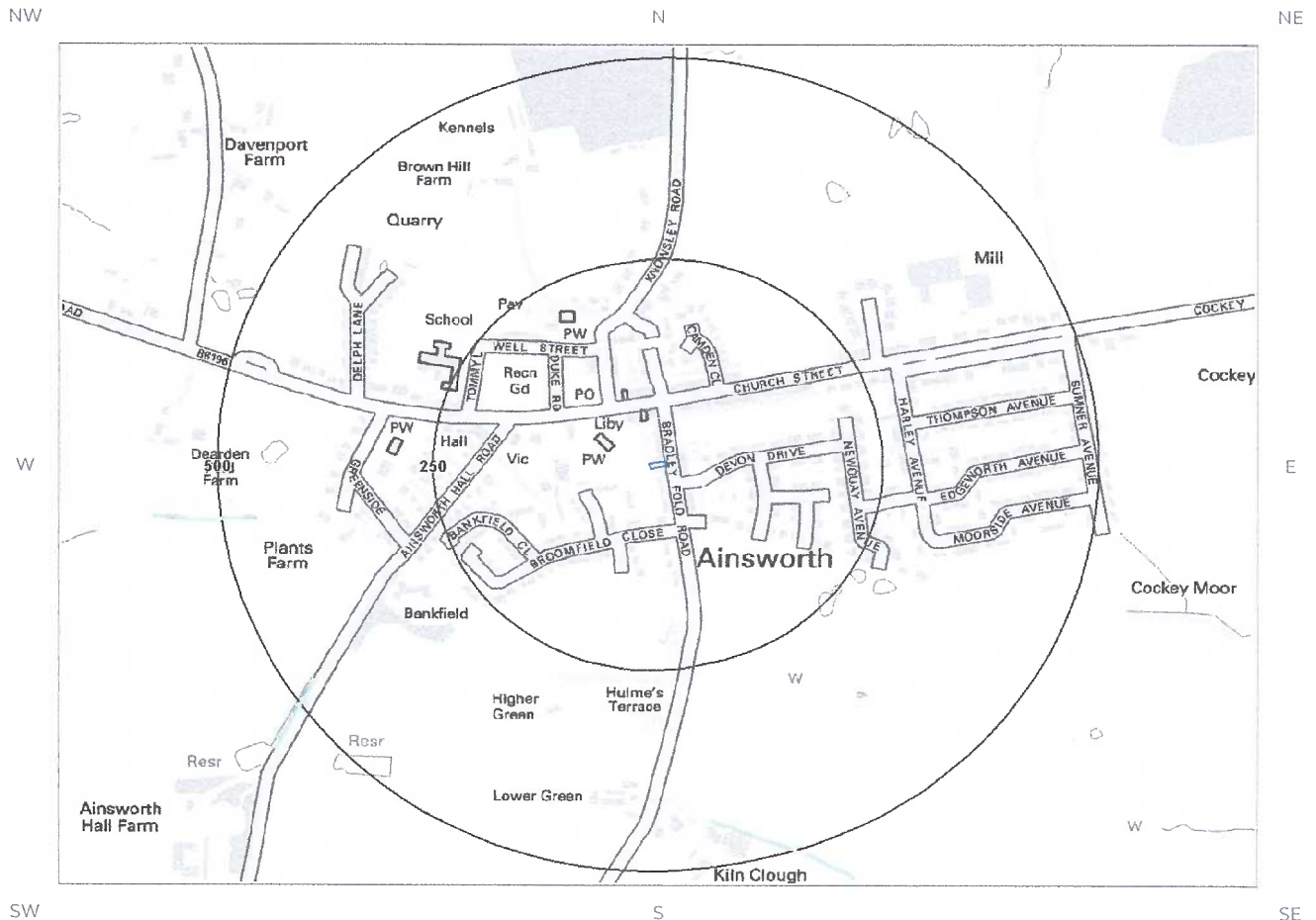
6d. Hydrogeology – Source Protection Zones within confined aquifer



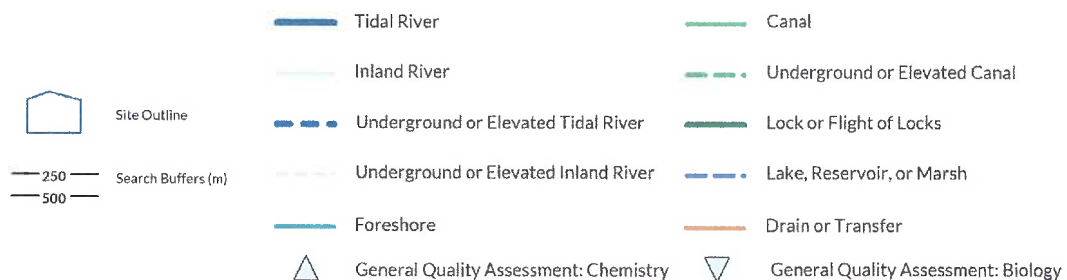
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6e. Hydrology – Watercourse Network and River Quality



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6. Hydrogeology and Hydrology

6.1 Aquifer within Superficial Deposits

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

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

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

ID	Distance (m)	Direction	Designation	Description
1	0	On Site	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
2	130	S	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

6.2 Aquifer within Bedrock Deposits

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

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

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

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

6.3 Groundwater Abstraction Licences

Are there any 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	880	NW	375790 410780	Status: Historical Licence No: 2569003089 Details: Spray Irrigation - Direct Direct Source: Ground Water - North West Region Point: Borehole At Arthur Lane Nurseries, Ainsworth Data Type: Point Name: LORD Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: 7145 Original Start Date: 12/10/1992 Expiry Date: - Issue No: 100 Version Start Date: 1/5/1995 Version End Date:
Not shown	880	NW	375790 410780	Status: Historical Licence No: 2569003089 Details: Spray Irrigation - Direct Direct Source: Ground Water - North West Region Point: "borehole At Arthur Lane Nurseries, Ainsworth" Data Type: Point Name: LORD Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: 7145 Original Start Date: 12/10/1992 Expiry Date: - Issue No: 100 Version Start Date: 1/5/1995 Version End Date:
Not shown	880	NW	375790 410780	Status: Active Licence No: 2569003089 Details: Spray Irrigation - Direct Direct Source: Ground Water - North West Region Point: Borehole At Arthur Lane Nurseries Ainsworth Data Type: Point Name: LORD Annual Volume (m³): 9092 Max Daily Volume (m³): 110 Original Application No: 7145 Original Start Date: 12/10/1992 Expiry Date: - Issue No: 100 Version Start Date: 1/5/1995 Version End Date:
Not shown	1015	SW	375560 409550	Status: Historical Licence No: 2569003042 Details: Process Water Direct Source: Ground Water - North West Region Point: Borehole At Premises, Ainsworth Mill Brightmet, Bolton Data Type: Point Name: PNC PROPERTIES LLP Annual Volume (m³): 24820 Max Daily Volume (m³): 436.41 Original Application No: 0667 Original Start Date: 14/2/1966 Expiry Date: 5/8/2010 Issue No: 104 Version Start Date: 15/10/2007 Version End Date:
Not shown	1015	SW	375560 409550	Status: Active Licence No: 2569003042/R1 Details: Process Water Direct Source: Ground Water - North West Region Point: Borehole At Premises, Ainsworth Mill Brightmet, Bolton Data Type: Point Name: PCN PROPERTIES LLP Annual Volume (m³): 159289.65 Max Daily Volume (m³): 436.41 Original Application No: 0667 Original Start Date: 14/2/1966 Expiry Date: - Issue No: 104 Version Start Date: 6/8/2010 Version End Date:
Not shown	1038	SW	375500 409600	Status: Historical Licence No: 2569003042 Details: Process water Direct Source: Ground Water - North West Region Point: "borehole At Premises, Ainsworth Millbrightmet, Bolton" Data Type: Point Name: AINSWORTH FINISHING COMPANY LTD. Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: CW667 Original Start Date: 14/2/1966 Expiry Date: - Issue No: 102 Version Start Date: 23/2/2001 Version End Date:

ID	Distance (m)	Direction	NGR	Details
Not shown	1038	SW	375500 409600	Status: Historical Licence No: 2569003042 Details: Process water Direct Source: Ground Water - North West Region Point: Borehole At Premises, Ainsworth Millbroughtmet, Bolton Data Type: Point Name: AINSWORTH FINISHING COMPANY LTD Annual Volume (m³): 44840 Max Daily Volume (m³): 486 Original Application No: CW667 Original Start Date: 14/2/1966 Expiry Date: - Issue No: 102 Version Start Date: 23/2/2001 Version End Date:
Not shown	1289	SW	375500 409200	Status: Historical Licence No: 2569003012 Details: Process water Direct Source: Ground Water - North West Region Point: Borehole At Premises, Ainsworth Millbroughtmet, Bolton Data Type: Point Name: AINSWORTH FINISHING COMPANY LTD. Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: CW 0668 Original Start Date: 2/2/1966 Expiry Date: - Issue No: 102 Version Start Date: 23/2/2001 Version End Date:
Not shown	1289	SW	375500 409200	Status: Historical Licence No: 2569003012 Details: Process water Direct Source: Ground Water - North West Region Point: "borehole At Premises, Ainsworth Millbroughtmet, Bolton" Data Type: Point Name: AINSWORTH FINISHING COMPANY LTD. Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: CW 0668 Original Start Date: 2/2/1966 Expiry Date: - Issue No: 102 Version Start Date: 23/2/2001 Version End Date:
Not shown	1324	SW	375460 409190	Status: Historical Licence No: 2569003012 Details: Process Water Direct Source: Ground Water - North West Region Point: Borehole At Premises, Ainsworth Millbroughtmet, Bolton Data Type: Point Name: PNC PROPERTIES LLP Annual Volume (m³): 44840 Max Daily Volume (m³): 700 Original Application No: 0668 Original Start Date: 2/2/1966 Expiry Date: 5/8/2010 Issue No: 104 Version Start Date: 15/10/2007 Version End Date:
Not shown	1324	SW	375460 409190	Status: Active Licence No: 2569003012/R1 Details: Process Water Direct Source: Ground Water - North West Region Point: Borehole At Premises, Ainsworth Millbroughtmet, Bolton Data Type: Point Name: PCN PROPERTIES LLP Annual Volume (m³): 8183 Max Daily Volume (m³): 27.28 Original Application No: 0668 Original Start Date: 2/2/1966 Expiry Date: - Issue No: 104 Version Start Date: 6/8/2010 Version End Date:
Not shown	1673	N	376200 411800	Status: Historical Licence No: 2569001177 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: B/hole , Old Holts Farmroading Brook Rd, Harwood, Bolton Data Type: Point Name: MARSDEN Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: 2271 Original Start Date: 24/2/1969 Expiry Date: - Issue No: 100 Version Start Date: 24/2/1969 Version End Date:

ID	Distance (m)	Direction	NGR	Details
Not shown	1673	N	376200 411800	Status: Historical Licence No: 2569001177 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: "b/hole , Old Holts Farmroading Brook Rd, Harwood, Bolton" Data Type: Point Name: MARSDEN Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: 2271 Original Start Date: 24/2/1969 Expiry Date: - Issue No: 100 Version Start Date: 24/2/1969 Version End Date:
Not shown	1816	NW	375450 411690	Status: Historical Licence No: 2569003095/R1 Details: Spray Irrigation - Direct Direct Source: Ground Water - North West Region Point: Borehole At Harwood Golf Club Data Type: Point Name: MR J S FAIRHURSTAND MR B G GREEN AND MR J FISH AND MR C WOOD Annual Volume (m³): 10000 Max Daily Volume (m³): 50 Original Application No: 57386 Original Start Date: 26/2/1999 Expiry Date: 31/3/2015 Issue No: 1 Version Start Date: 1/4/2008 Version End Date:
Not shown	1816	NW	375450 411690	Status: Historical Licence No: 2569003095 Details: Spray Irrigation - Direct Direct Source: Ground Water - North West Region Point: Borehole At Harwood Golf Club Data Type: Point Name: THE SECRETARY Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: 7386 Original Start Date: - Expiry Date: 26/02/2004 Issue No: 100 Version Start Date: 26/2/1999 Version End Date:
Not shown	1816	NW	375450 411690	Status: Active Licence No: 2569003095/R02 Details: Spray Irrigation - Direct Direct Source: Ground Water - North West Region Point: Borehole At Harwood Golf Club Data Type: Point Name: The trustees of Harwood Golf Club Annual Volume (m³): 3500 Max Daily Volume (m³): 50 Original Application No: NPS/WR/017786 Original Start Date: 1/4/2015 Expiry Date: 31/3/2027 Issue No: 1 Version Start Date: 1/4/2015 Version End Date:

6.4 Surface Water Abstraction Licences

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

Identified

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

ID	Distance (m)	Direction	NGR	Details
Not shown	929	W	375500 410400	Status: Active Licence No: 2569003051 Details: Process Water Direct Source: Surface, Non-tidal - North West Region Point: Cherry Tree & Pimhole R/voirs Fed By Surface Drainage Data Type: Point Name: FIBERMARK RED BRIDGE INTERNATIONAL LTD Annual Volume (m³): 13500 Max Daily Volume (m³): 54 Application No: NPS/WR/010890 Original Start Date: 4/3/1966 Expiry Date: - Issue No: 102 Version Start Date: 25/6/2012 Version End Date:

ID	Distance (m)	Direction	NGR	Details
Not shown	929	W	375500 410400	Status: Historical Licence No: 2569003051 Details: Process water Direct Source: Surface, Non-tidal - North West Region Point: Cherry Tree & Pimhole R/voirs Fed By Surface Drainage \$114 Data Type: Point Name: FIBERMARK RED BRIDGE INTERNATIONAL LTD Annual Volume (m³): - Max Daily Volume (m³): - Application No: CW 1187 Original Start Date: 4/3/1966 Expiry Date: - Issue No: 101 Version Start Date: 18/4/2001 Version End Date:
Not shown	1077	NW	375400 410560	Status: Historical Licence No: 2569003098 Details: Spray Irrigation - Direct Direct Source: Surface, Non-tidal - North West Region Point: Pimhole Reservoir At Redbridge, Bolton Data Type: Point Name: BREIGHTMET GOLF CLUB LIMITED Annual Volume (m³): 3660 Max Daily Volume (m³): 59 Application No: S7535 Original Start Date: 8/12/2003 Expiry Date: 31/3/2015 Issue No: 1 Version Start Date: 1/4/2008 Version End Date:
Not shown	1093	SW	375500 409500	Status: Historical Licence No: 2569003043 Details: Process water Direct Source: "surface, Non-tidal - North West Region" Point: "reservoir Fed By Surface Drainage At premises, Ainsworth Mill" Data Type: Point Name: AINSWORTH FINISHING COMPANY LTD. Annual Volume (m³): - Max Daily Volume (m³): - Application No: CW 0666 Original Start Date: 21/1/1966 Expiry Date: - Issue No: 102 Version Start Date: 23/2/2001 Version End Date:
Not shown	1093	SW	375500 409500	Status: Historical Licence No: 2569003043 Details: Process water Direct Source: Surface, Non-tidal - North West Region Point: Reservoir Fed By Surface Drainage At premises, Ainsworth Mill Data Type: Point Name: AINSWORTH FINISHING COMPANY LTD Annual Volume (m³): 365000 Max Daily Volume (m³): 1980 Application No: CW 0666 V Original Start Date: 21/1/1966 Expiry Date: - Issue No: 103 Version Start Date: 23/2/2001 Version End Date:
Not shown	1094	NW	375400 410600	Status: Active Licence No: 2569003051 Details: Process Water Direct Source: Surface, Non-tidal - North West Region Point: Cherry Tree And Pimhole Reservoirs Fed By Surface Drainage Data Type: Point Name: FIBERMARK RED BRIDGE INTERNATIONAL LTD Annual Volume (m³): 13500 Max Daily Volume (m³): 54 Application No: NPS/WR/010890 Original Start Date: 4/3/1966 Expiry Date: - Issue No: 102 Version Start Date: 25/6/2012 Version End Date:
Not shown	1094	NW	375400 410600	Status: Historical Licence No: 2569003051 Details: Process water Direct Source: Surface, Non-tidal - North West Region Point: Cherry Tree And Pimhole Reservoirs Fed By Surface Drainage Data Type: Point Name: FIBERMARK RED BRIDGE INTERNATIONAL LTD Annual Volume (m³): - Max Daily Volume (m³): - Application No: CW 1187 Original Start Date: 4/3/1966 Expiry Date: - Issue No: 101 Version Start Date: 18/4/2001 Version End Date:
Not shown	1119	SW	375520 409430	Status: Historical Licence No: 2569003043 Details: Process Water Direct Source: Surface, Non-tidal - North West Region Point: Reservoir Fed By Surface Drainage At Premises Ainsworth Mill Data Type: Point Name: AINSWORTH FINISHING COMPANY LTD Annual Volume (m³): 200000 Max Daily Volume (m³): 1600 Application No: 0666 Original Start Date: 21/1/1966 Expiry Date: - Issue No: 104 Version Start Date: 5/8/2005 Version End Date:

ID	Distance (m)	Direction	NGR	Details
Not shown	1329	NE	377500 410900	Status: Historical Licence No: 2569001160 Details: Process water Direct Source: Surface, Non-tidal - North West Region Point: Reservoirs Fed By Elton Brk At Bury Data Type: Point Name: THE ELTON COP DYEING CO LTD Annual Volume (m³): - Max Daily Volume (m³): - Application No: 937 Original Start Date: 10/3/1966 Expiry Date: - Issue No: 100 Version Start Date: 25/2/1975 Version End Date:
Not shown	1353	NW	375700 411300	Status: Historical Licence No: 2569003078 Details: Spray Irrigation - Direct Direct Source: Surface, Non-tidal - North West Region Point: Unnamed Trib Of Blackshaw Brk At Harwood Golf Club And Re Data Type: Point Name: HARWOOD GOLF CLUB Annual Volume (m³): - Max Daily Volume (m³): - Application No: 2560 Original Start Date: 25/4/1980 Expiry Date: - Issue No: 100 Version Start Date: 25/4/1980 Version End Date:

6.5 Potable Water Abstraction Licences

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

None identified

Database searched and no data found.

6.6 Source Protection Zones

Are there any 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

Are there any 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

Is there any 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.
97	NW	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.
130	S	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.

6.9 River Quality

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

6.9.1 Biological Quality:

Database searched and no data found.

6.9.2 Chemical Quality:

Database searched and no data found.

6.10 Ordnance Survey MasterMap Water Network

Are there any Ordnance Survey MasterMap Water Network entries within 500m of the study site?

#DRN_Count#

#NDF_DRN_tag#

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	442 S	-	Inland river not influenced by normal tidal action.	Catchment Area: Mersey Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section: Not Provided
Not shown	442 S	-	Inland river not influenced by normal tidal action.	Catchment Area: Mersey Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section: Not Provided
3	460 W	-	Inland river not influenced by normal tidal action.	Catchment Area: Mersey Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section: Not Provided
Not shown	460 W	-	Inland river not influenced by normal tidal action.	Catchment Area: Mersey Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section: Not Provided
2	469 SW	-	Inland river not influenced by normal tidal action.	Catchment Area: Mersey Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section: Not Provided
Not shown	469 SW	-	Inland river not influenced by normal tidal action.	Catchment Area: Mersey Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section: Not Provided

6.11 Surface Water Features

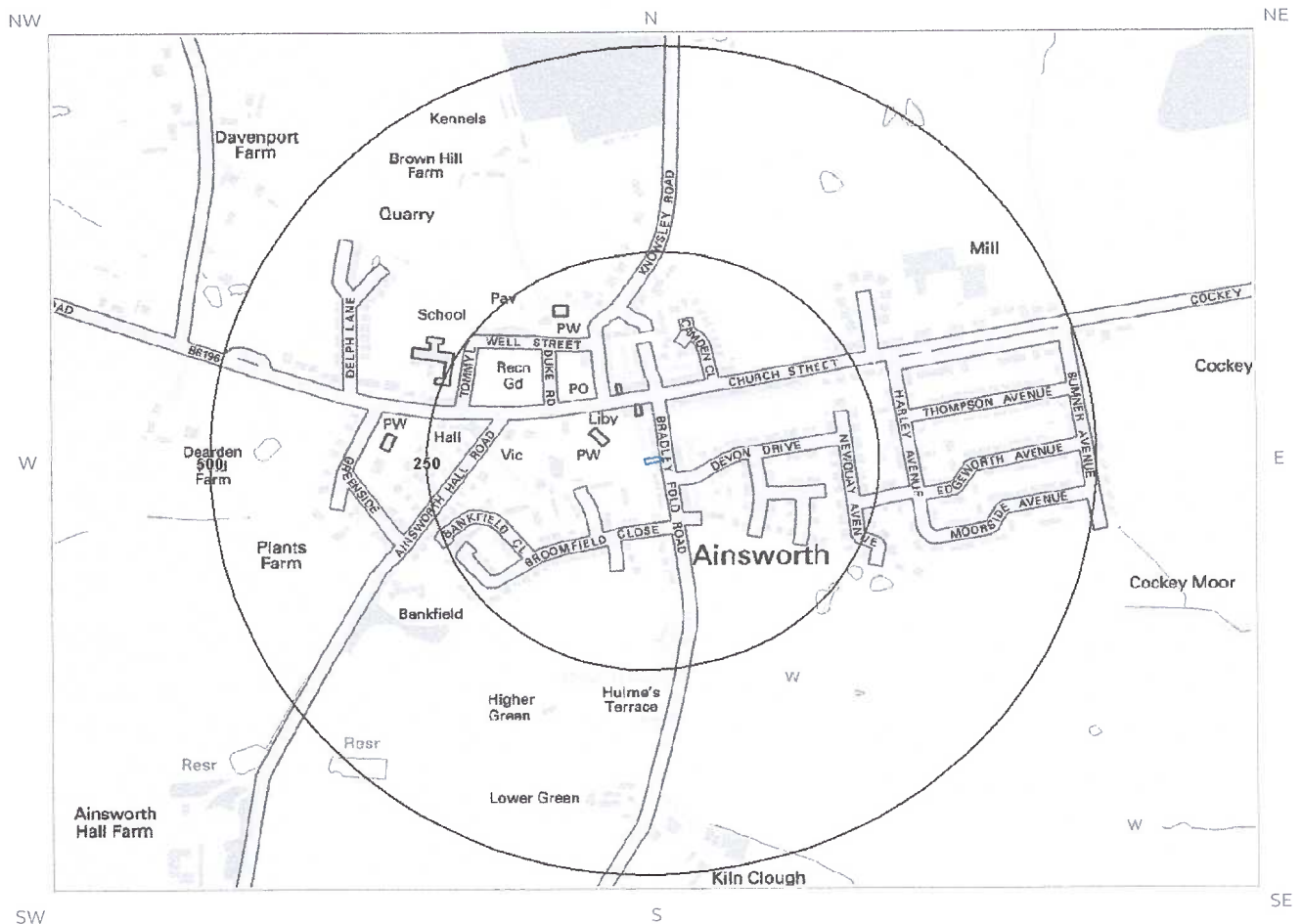
Are there any surface water features within 250m of the study site?

Identified

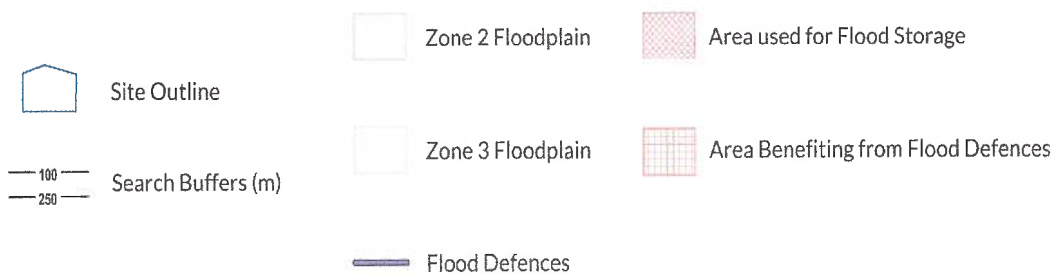
The following surface water records are not represented on mapping:

Distance (m)	Direction
238	SE
249	SE

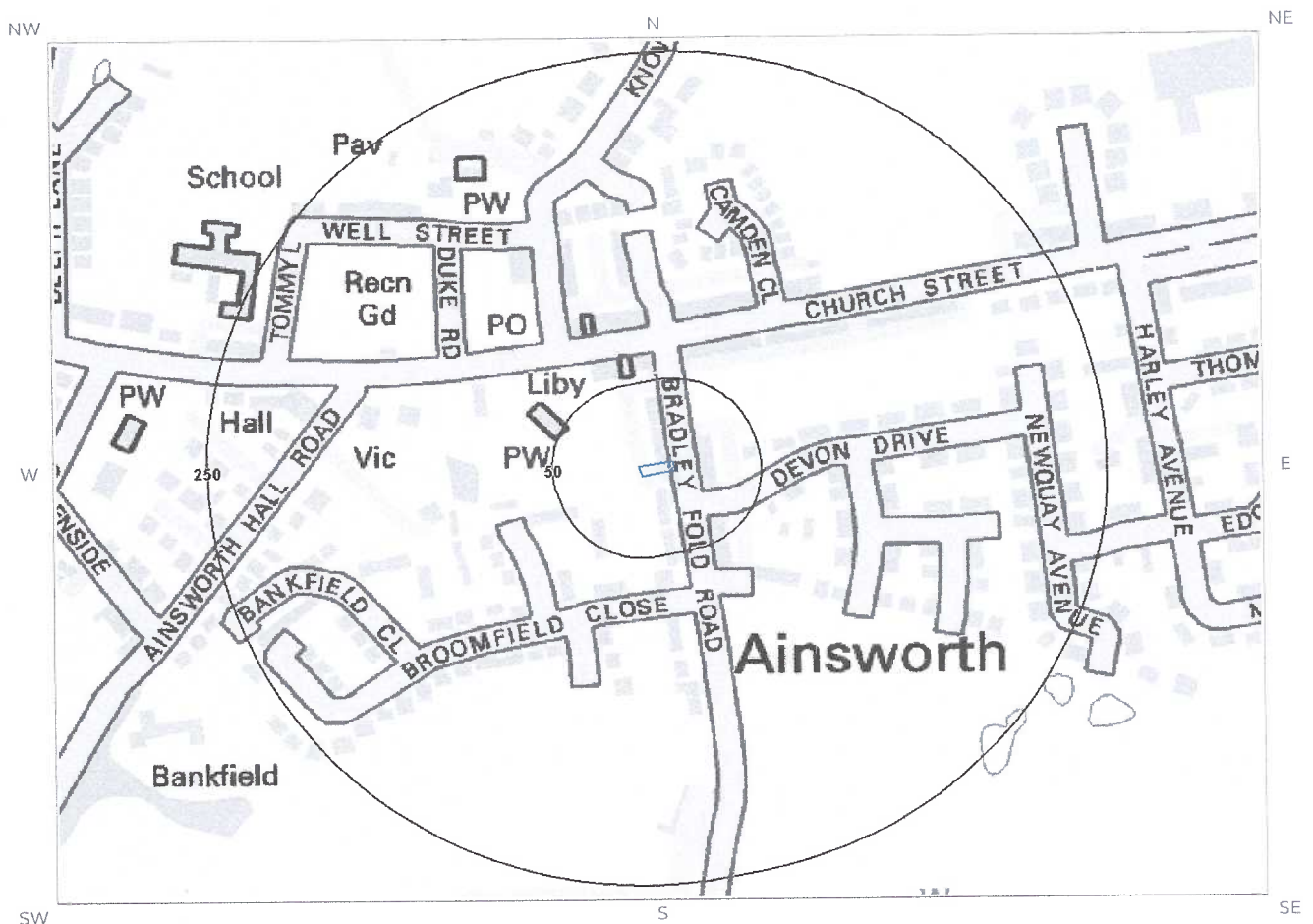
7a. Environment Agency/Natural Resources Wales Flood Map for Planning (from rivers and the sea)



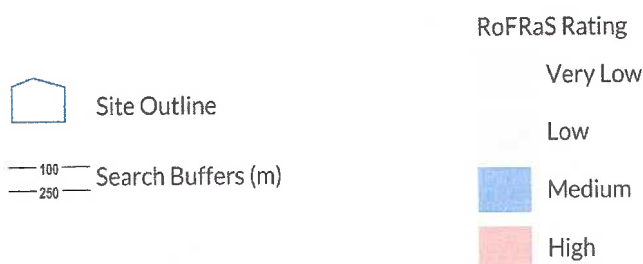
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7b. Environment Agency/Natural Resources Wales Risk of Flooding from Rivers and the Sea (RoFRaS) Map



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7 Flooding

7.1 River and Coastal Zone 2 Flooding

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

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

What is the highest risk of flooding onsite? Very Low

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

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

7.4 Flood Defences

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

7.5 Areas benefiting from Flood Defences

Are there any areas benefiting from Flood Defences within 250m of the study site? None identified

7.6 Areas benefiting from Flood Storage

Are there any areas used for Flood Storage within 250m of the study site?

None identified

7.7 Groundwater Flooding Susceptibility Areas

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

Does this relate to Clearwater Flooding or Superficial Deposits Flooding?

Clearwater & Superficial Deposits Flooding

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

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

Limited potential

Where limited potential for groundwater flooding to occur is indicated, this means that although given the geological conditions there may be a groundwater flooding hazard, unless other relevant information, e.g. records of previous flooding, suggests groundwater flooding has occurred before in this area, you need take no further action in relation to groundwater flooding hazard.

7.8 Groundwater Flooding Confidence Areas

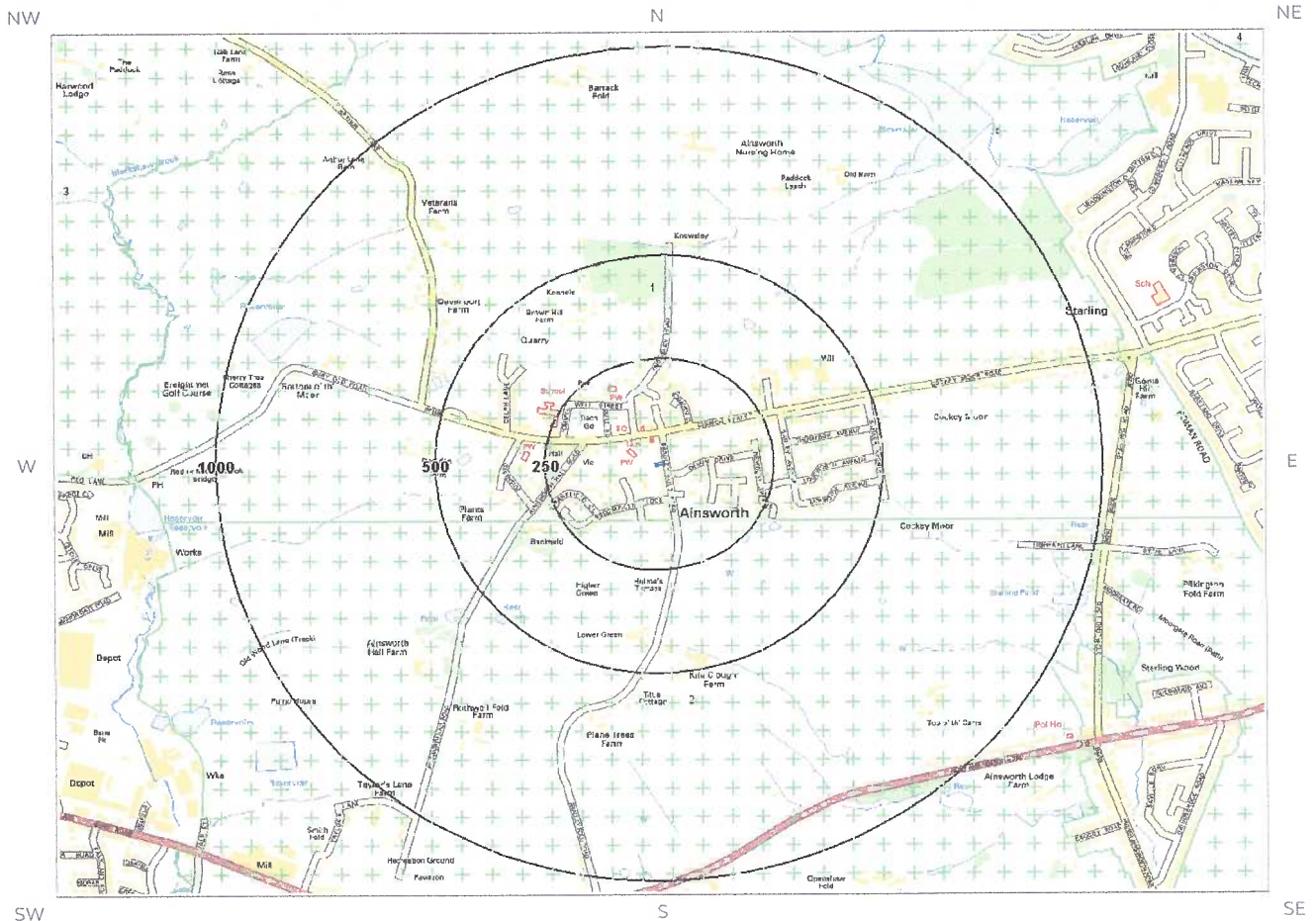
What is the British Geological Survey confidence rating in this result?

Low

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

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

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

0

Database searched and no data found.

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

0

Database searched and no data found.

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

0

Database searched and no data found.

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

0

Database searched and no data found.

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

0

Database searched and no data found.

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

Database searched and no data found.

0

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

Database searched and no data found.

0

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

Database searched and no data found.

0

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

Database searched and no data found.

0

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

Database searched and no data found.

0

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

Database searched and no data found.

0

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

Database searched and no data found.

0

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

0

Database searched and no data found.

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

6

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

ID	Distance	Direction	Green Belt Name	Local Authority Name
1	0	On Site	Liverpool, Manchester and West Yorks Greenbelt	Bury District (B)
2	130	S	Liverpool, Manchester and West Yorks Greenbelt	Bury District (B)
3	1148	W	Liverpool, Manchester and West Yorks Greenbelt	Bolton District (B)
4	1589	NE	Liverpool, Manchester and West Yorks Greenbelt	Bury District (B)
Not shown	1754	E	Liverpool, Manchester and West Yorks Greenbelt	Bury District (B)
Not shown	1963	E	Liverpool, Manchester and West Yorks Greenbelt	Bury District (B)

9. Natural Hazards Findings

9.1 Detailed BGS GeoSure Data

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

9.1.1 Shrink Swell

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

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

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

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

9.1.3 Soluble Rocks

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

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

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

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

9.1.4 Compressible Ground

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

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

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

9.1.5 Collapsible Rocks

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

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

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

9.1.6 Running Sand

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

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

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

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

9.2 Radon

9.2.1 Radon Affected Areas

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

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

9.2.2 Radon Protection

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

10. Mining

10.1 Coal Mining

Are there any coal mining areas within 75m of the study site?

Identified

The following coal mining information provided by the Coal Authority is not represented on Mapping:

Distance (m)	Direction	Details
0	On Site	The study site is located within the specified search distance of an identified mining area. Further details concerning this can be obtained from the Coal Authority Helpline on 0845 762 6848.

10.2 Non-Coal Mining

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

None identified

Database searched and no data found.

10.3 Brine Affected Areas

Are there any brine affected areas within 75m of the study site?

None identified

Guidance: No Guidance Required.