



Martin Environmental Solutions
19, Ord Avenue,
Blackpool, FY4 4DW

Groundsure Reference: GS-6152389

Your Reference: Jurin

Report Date 5 Jul 2019

Report Delivery Method: Email - pdf

Enviro Insight

Address: 58, COMMON EDGE ROAD, BLACKPOOL, FY4 5AU

Dear Sir/ Madam,

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

Yours faithfully,

Managing Director
Groundsure Limited

Enc.
Groundsure Enviroinsight

Address: 58, COMMON EDGE ROAD, BLACKPOOL, FY4 5AU

Date: 5 Jul 2019

Reference: GS-6152389

Client: Martin Environmental Solutions

NW

N

NE

W

E



SW

S

SE

Aerial Photograph Capture date: 03-Apr-2017

Grid Reference: 332648,432830

Site Size: 0.1682ha

Report Reference: GS-6152389

Client Reference: Jurin

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Overview of Findings

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

Section 1: Historical Industrial Sites	On-site	0-50	51-250	251-500
1.1 Potentially Contaminative Uses identified from 1:10,000 scale mapping	3	3	6	10
1.2 Additional Information – Historical Tank Database	0	0	0	7
1.3 Additional Information – Historical Energy Features Database	0	0	9	12
1.4 Additional Information – Historical Petrol and Fuel Site Database	0	0	1	1
1.5 Additional Information – Historical Garage and Motor Vehicle Repair Database	0	0	2	0
1.6 Historical military sites	0	0	0	0
1.7 Potentially Infilled Land	0	0	2	0
Section 2: Environmental Permits, Incidents and Registers	On-site	0-50m	51-250	251-500
2.1 Industrial Sites Holding Environmental Permits and/or Authorisations				
2.1.1 Records of historic IPC Authorisations	0	0	0	0
2.1.2 Records of Part A(1) and IPPC Authorised Activities	0	0	0	0
2.1.3 Records of Red List Discharge Consents	0	0	0	0
2.1.4 Records of List 1 Dangerous Substances Inventory sites	0	0	0	0
2.1.5 Records of List 2 Dangerous Substances Inventory sites	0	0	0	0
2.1.6 Records of Part A(2) and Part B Activities and Enforcements	0	0	0	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	1	0
2.1.9 Records of Water Industry Referrals	0	0	0	0
2.1.10 Records of Planning Hazardous Substance Consents and Enforcements within 500m of the study site	0	0	0	0
2.2 Records of COMAH and NIHHS sites	0	0	0	0
2.3 Environment Agency/Natural Resources Wales Recorded Pollution Incidents				
2.3.1 National Incidents Recording System, List 2	0	0	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	5	6
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	2	16

Section 4: Current Land Use	On-site	0-50m	51-250	251-500
4.1 Current Industrial Sites Data	0	0	15	Not searched
4.2 Records of Petrol and Fuel Sites	0	0	1	0
4.3 National Grid Underground Electricity Cables	0	0	0	0
4.4 National Grid Gas Transmission Pipelines	0	0	0	0

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

Section 6: Hydrogeology and Hydrology	0-500m					
6.1 Records of Strata Classification in the Superficial Geology within 500m of the study site	Identified					
6.2 Records of Strata Classification in the Bedrock Geology within 500m of the study site	Identified					
	On-site	0-50m	51-250	251-500	501-1000	1000-2000
6.3 Groundwater Abstraction Licences (within 2000m of the study site)	0	0	0	0	0	0
6.4 Surface Water Abstraction Licences (within 2000m of the study site)	0	0	0	0	0	0
6.5 Potable Water Abstraction Licences (within 2000m of the study site)	0	0	0	0	0	0
6.6 Source Protection Zones (within 500m of the study site)	0	0	0	0	Not searched	Not searched
6.7 Source Protection Zones within Confined Aquifer	0	0	0	0	Not searched	Not searched
6.8 Groundwater Vulnerability and Soil Leaching Potential (within 500m of the study site)	1	0	0	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	0	0	12	50	Not searched	Not searched
6.11 Surface water features within 250m of the study site	No	No	Yes	Not searched	Not searched	Not searched

Section 7: Flooding

7.1 Environment Agency Zone 2 floodplains within 250m of the study site	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	Potential at Surface					
7.8 BGS confidence rating for the Groundwater Flooding susceptibility areas	Moderate					

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	0	0	0	0	0	2

Section 9: Natural Hazards	
9.1 Maximum risk of natural ground subsidence	Low
9.1.1 Maximum Shrink-Swell hazard rating identified on the study site	Negligible
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	Very Low
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	Negligible
9.1.6 Maximum Running Sand hazard rating identified on the study site	Low
9.2 Radon	
9.2.1 Is the property in a Radon Affected Area as defined by the Health Protection Agency (HPA) and if so what percentage of homes are above the Action Level?	The site is not in a Radon Affected Area, as less than 1% of properties are above the Action Level.
9.2.2 Is the property in an area where Radon Protection are required for new properties or extensions to existing ones as described in publication BR211 by the Building Research Establishment?	No radon protective measures are necessary.

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

Using this report

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

1. Historical Industrial Sites

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

2. Environmental Permits, Incidents and Registers

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

3. Landfills and Other Waste Sites

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

4. Current Land Uses

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

5. Geology

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

6. Hydrogeology and Hydrology

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

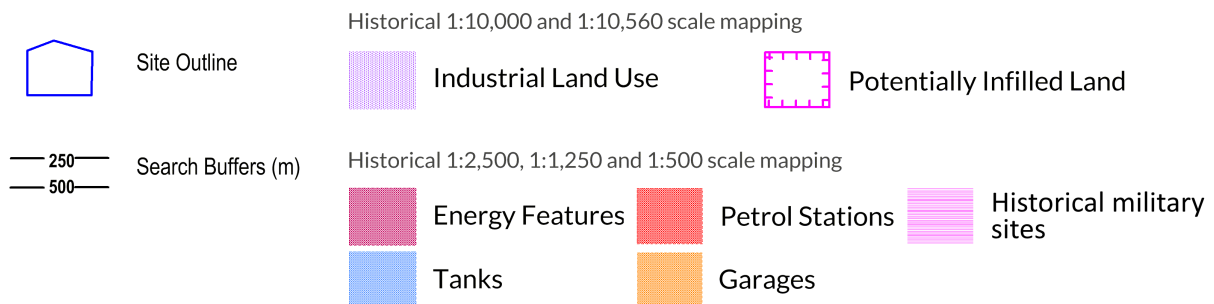
Where a feature is reported in the data tables to a distance greater than the map area, it is noted in the data table as "Not Shown".

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: 22

ID	Distance [m]	Direction	Use	Date
1A	0	On Site	Nurseries	1981
2A	0	On Site	Nurseries	1968
3A	0	On Site	Nurseries	1987
4	32	N	Nursery	1987
5B	37	N	Nursery	1981
6B	37	N	Nursery	1968
7C	166	E	Nurseries	1981
8C	166	E	Nurseries	1987
9C	166	E	Nurseries	1968
10D	201	SE	Nurseries	1981
11D	201	SE	Nurseries	1987
12D	201	SE	Nurseries	1968
13E	281	NE	Nurseries	1981
14E	281	NE	Nurseries	1968
15	334	N	Nurseries	1968
16F	427	E	Nurseries	1968
17F	427	E	Nurseries	1981
18G	433	SE	Nurseries	1968
19G	433	SE	Nurseries	1981
20	440	NW	Nurseries	1968
21	447	SE	Nurseries	1987
22	470	N	Nurseries	1981

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: 7

ID	Distance (m)	Direction	Use	Date
23H	267	SE	Unspecified Tank	1989

24H	270	SE	Unspecified Tank	1985
25H	270	SE	Unspecified Tank	1993
26I	327	SE	Unspecified Tank	1989
27I	327	SE	Unspecified Tank	1993
28I	328	SE	Unspecified Tank	1985
29	420	W	Unspecified Tank	1891

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:

21

ID	Distance (m)	Direction	Use	Date
30J	129	N	Electricity Substation	1993
31J	130	N	Electricity Substation	1989
32K	192	NW	Electricity Substation	1992
33K	195	NW	Electricity Substation	1970
34K	199	NW	Electricity Substation	1968
35K	200	NW	Electricity Substation	1967
36K	201	NW	Electricity Substation	1982
37K	201	NW	Electricity Substation	1988
38K	201	NW	Electricity Substation	1982
39	285	NE	Gas Governor	1991
40L	307	S	Electricity Substation	1985
41L	307	S	Electricity Substation	1989
42L	308	S	Electricity Substation	1993
43M	437	N	Electricity Substation	1989
44M	437	N	Electricity Substation	1988
45M	437	N	Electricity Substation	1991
46N	463	W	Electricity Substation	1970
47N	468	W	Electricity Substation	1992
48O	486	NE	Electricity Substation	1986
49O	486	NE	Electricity Substation	1989
50O	486	NE	Electricity Substation	1991

1.4 Additional Information – Historical Petrol and Fuel Site Database

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

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

2

ID	Distance (m)	Direction	Use	Date
51	66	S	Filling Station	1985
52	500	S	Filling Station	1985

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: 2

ID	Distance (m)	Direction	Use	Date
53P	77	W	Garage	1993
54P	83	W	Garage	1989

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.

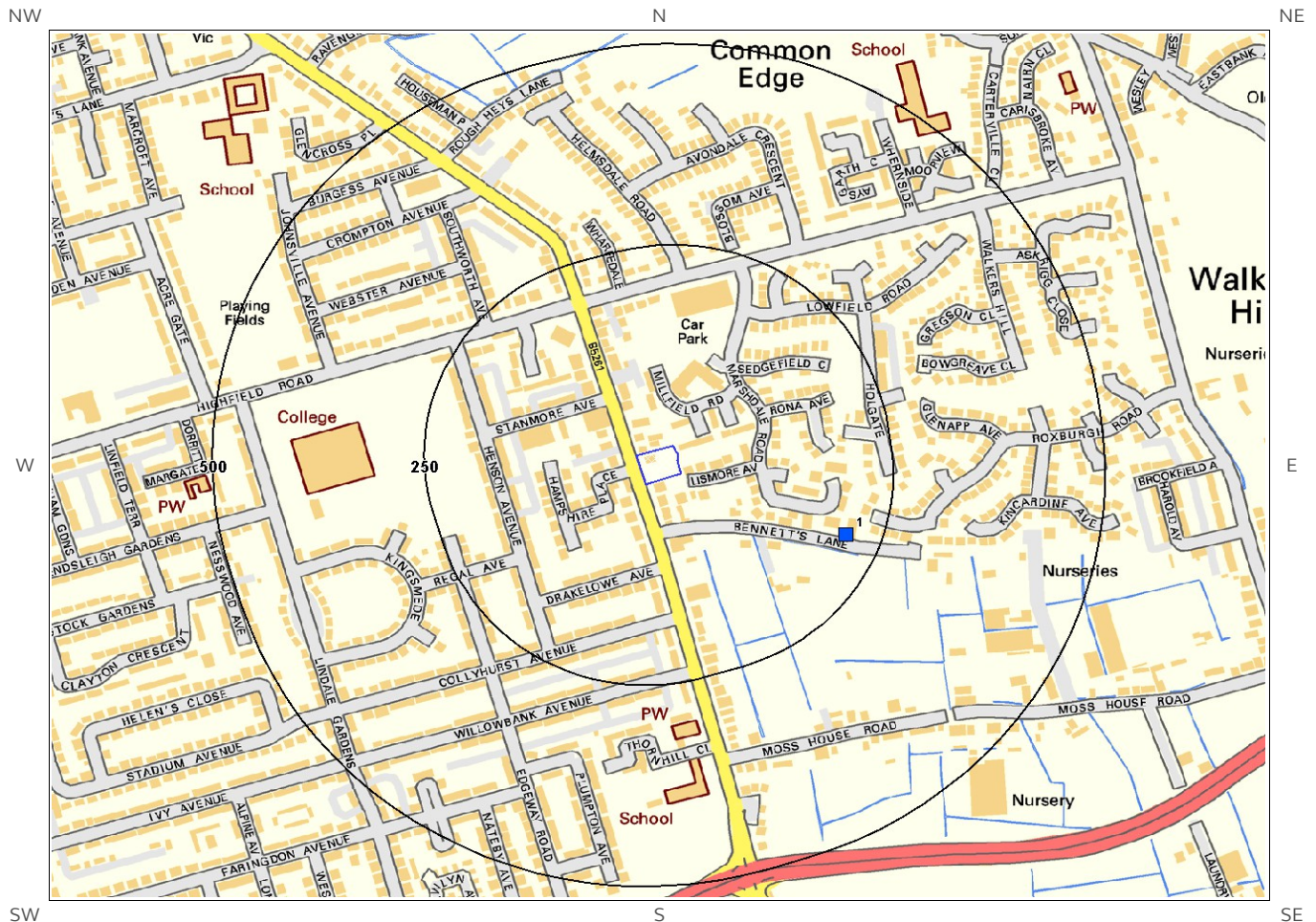
1.7 Potentially Infilled Land

Records of Potentially Infilled Features from 1:10,000 scale mapping within 500m of the study site: 2














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

ID	Distance(m)	Direction	Use	Date
55	147	W	Pond	1891
56	219	W	Pond	1891

2. Environmental Permits, Incidents and Registers Map



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

2. Environmental Permits, Incidents and Registers

2.1 Industrial Sites Holding Licences and/or Authorisations

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

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

0

Database searched and no data found.

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

0

Database searched and no data found.

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

0

Database searched and no data found.

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

0

Database searched and no data found.

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

0

Database searched and no data found.

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

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:

1

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

ID	Distance (m)	Direction	NGR	Details
1	208	E	332868 432753	<p>Address: STRAWBERRY VILLA, BENNETTS LANE, BLACKPOOL, LANCASHIRE, FY4 5BE</p> <p>Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY</p> <p>Permit Number: 01461</p> <p>Permit Version: 1</p> <p>Receiving Water: TRIB OF SPEN DYKE</p> <p>Status: PRE NRA LEGISLATION WHERE ISSUE DATE < 01-SEP-89 (HISTORIC ONLY)</p> <p>Issue date: 20/07/1956</p> <p>Effective Date: 20-Jul-1956</p> <p>Revocation Date: -</p>

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.

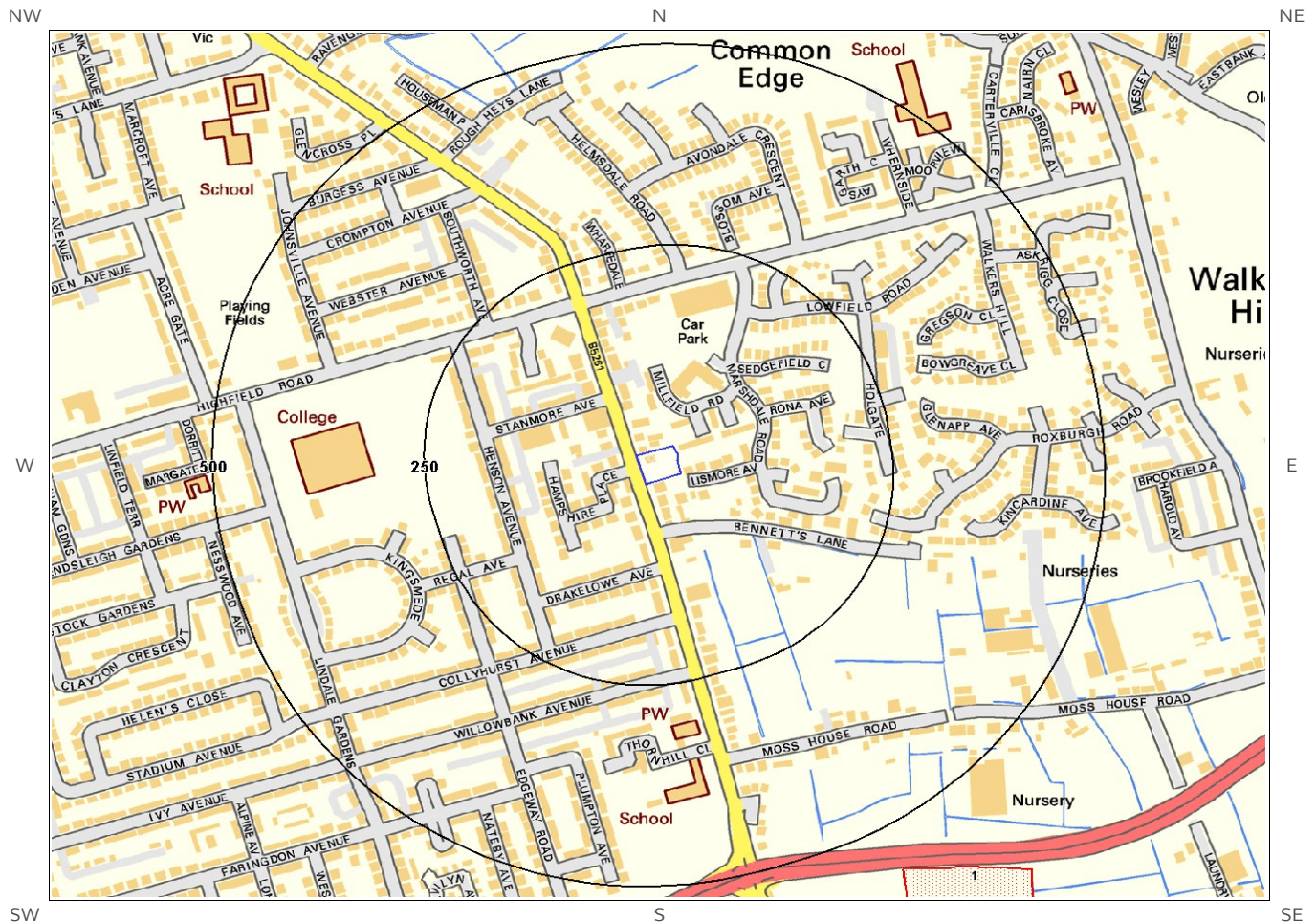
2.4 Sites Determined as Contaminated Land under Part 2A EPA 1990

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

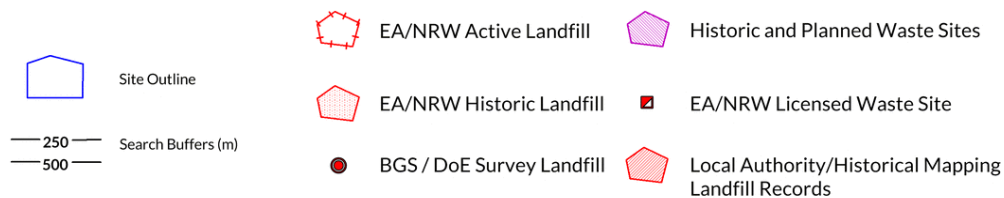
0

Database searched and no data found.

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:

11

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	556	SE	Site Address: Squires Gate Link Road, Fisher Lane, Blackpool, Lancashire Waste Licence: Yes Site Reference: L1/04/640, K1/04/037, Licence No 571 Waste Type: Inert Environmental Permitting Regulations (Waste) Reference: NS1/L/CUM001	Licence Issue: 03-May-1994 Licence Surrendered: 30-Nov-1999 Licence Holder Address: - Operator: Fisher Lane Licence Holder: Cumbrian Industrials Limited First Recorded: 01-May-1994 Last Recorded: 01-Feb-1995
Not shown	615	N	Site Address: Skidaw Road, Skidaw Road, Blackpool, Lancashire Waste Licence: - Site Reference: K1/04/022 Waste Type: Inert Environmental Permitting Regulations (Waste) Reference: -	Licence Issue: Licence Surrendered: Licence Holder Address: - Operator: - Licence Holder: Blackpool Borough Council First Recorded: 31-Dec-1965 Last Recorded: 31-Dec-1967
Not shown	895	E	Site Address: East of New Hall Avenue, East of New Hall Avenue, Blackpool, Lancashire Waste Licence: - Site Reference: K1/04/039 Waste Type: Inert Environmental Permitting Regulations (Waste) Reference: -	Licence Issue: Licence Surrendered: Licence Holder Address: - Operator: - Licence Holder: - First Recorded: - Last Recorded: -
Not shown	908	NE	Site Address: Bent Hall Farm, Darwen, Bull Hill Waste Licence: Yes Site Reference: K1/04/021 Waste Type: Inert, Industrial Environmental Permitting Regulations (Waste) Reference: -	Licence Issue: 09-Sep-1977 Licence Surrendered: Licence Holder Address: Bent Hall Farm, Bull Hill, Darwen Operator: - Licence Holder: Edmund Proctor Limited First Recorded: 31-Dec-1965

ID	Distance (m)	Direction	NGR	Details
Last Recorded: 31-Dec-1967				
Not shown	909	SE		<p>Site Address: School Road, School Road, Marton Moss, Blackpool, Lancashire</p> <p>Waste Licence: -</p> <p>Site Reference: K1/04/003</p> <p>Waste Type: Household</p> <p>Environmental Permitting Regulations (Waste) Reference: -</p> <p>Licence Issue:</p> <p>Licence Surrendered:</p> <p>Licence Holder Address: -</p> <p>Operator: -</p> <p>Licence Holder: Blackpool Borough Council</p> <p>First Recorded: 31-Dec-1958</p> <p>Last Recorded: 31-Dec-1959</p>
Not shown	1032	E		<p>Site Address: Mosslands, Jubilee Lane, Blackpool, Lancashire</p> <p>Waste Licence: Yes</p> <p>Site Reference: WD/L1/4/448, KI/04/015, Licence No 367</p> <p>Waste Type: Inert, Household</p> <p>Environmental Permitting Regulations (Waste) Reference: -</p> <p>Licence Issue: 03-Sep-1991</p> <p>Licence Surrendered: 11-Dec-1992</p> <p>Licence Holder Address: Kingston House, Jubilee Lane, Blackpool</p> <p>Operator: -</p> <p>Licence Holder: Alan Cockcroft</p> <p>First Recorded: 31-Dec-1988</p> <p>Last Recorded: 31-Dec-1992</p>
Not shown	1057	S		<p>Site Address: Lagoons, Common Edge Road, Blackpool, Lancashire</p> <p>Waste Licence: -</p> <p>Site Reference: K1/04/033</p> <p>Waste Type: Inert, Liquid sludge</p> <p>Environmental Permitting Regulations (Waste) Reference: -</p> <p>Licence Issue:</p> <p>Licence Surrendered:</p> <p>Licence Holder Address: -</p> <p>Operator: -</p> <p>Licence Holder: Blackpool Borough Council</p> <p>First Recorded: 15-Dec-1974</p> <p>Last Recorded: 31-Dec-1986</p>
Not shown	1111	SE		<p>Site Address: Wren Rovers Car Park, School Road, Marton Moss, Blackpool, Lancashire</p> <p>Waste Licence: -</p> <p>Site Reference: K1/04/032</p> <p>Waste Type: Inert</p> <p>Environmental Permitting Regulations (Waste) Reference: -</p> <p>Licence Issue:</p> <p>Licence Surrendered:</p> <p>Licence Holder Address: -</p> <p>Operator: -</p> <p>Licence Holder: Blackpool Borough Council</p> <p>First Recorded: -</p> <p>Last Recorded: 31-Dec-1960</p>
Not shown	1140	E		<p>Site Address: Dickies Lane, Dickies Lane, Marton, Blackpool, Lancashire</p> <p>Waste Licence: -</p> <p>Site Reference: K1/04/001</p> <p>Waste Type: Inert, Industrial, Commercial</p> <p>Environmental Permitting Regulations (Waste) Reference: -</p> <p>Licence Issue:</p> <p>Licence Surrendered:</p> <p>Licence Holder Address: -</p> <p>Operator: -</p> <p>Licence Holder: O Baguley</p> <p>First Recorded: 31-Dec-1985</p> <p>Last Recorded: 31-Dec-1986</p>
Not shown	1283	SE		<p>Site Address: Ashley Nursery, School Road, Blackpool, Lancashire</p> <p>Waste Licence: -</p> <p>Site Reference: K1/04/029</p> <p>Waste Type: Inert</p> <p>Environmental Permitting Regulations (Waste) Reference: -</p> <p>Licence Issue:</p> <p>Licence Surrendered:</p> <p>Licence Holder Address: -</p> <p>Operator: -</p> <p>Licence Holder: Blackpool Borough Council</p> <p>First Recorded: 31-Dec-1990</p> <p>Last Recorded: 31-Dec-1990</p>
Not shown	1355	SE		<p>Site Address: Midgeland Farm, Midgeland Road, Marton, Blackpool, Lancashire</p> <p>Waste Licence: -</p> <p>Site Reference: K1/04/005, 342, 200/4, Resolution 200/6, L1/04/001, Resolution No. 4</p> <p>Waste Type: Inert, Industrial, Commercial, Household</p> <p>Environmental Permitting Regulations (Waste) Reference: -</p> <p>Licence Issue:</p> <p>Licence Surrendered:</p> <p>Licence Holder Address: -</p> <p>Operator: Lancashire County Council</p> <p>Licence Holder: Lancashire County Council</p> <p>First Recorded: 31-Dec-1973</p> <p>Last Recorded: 31-Oct-1984</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 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:

18

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

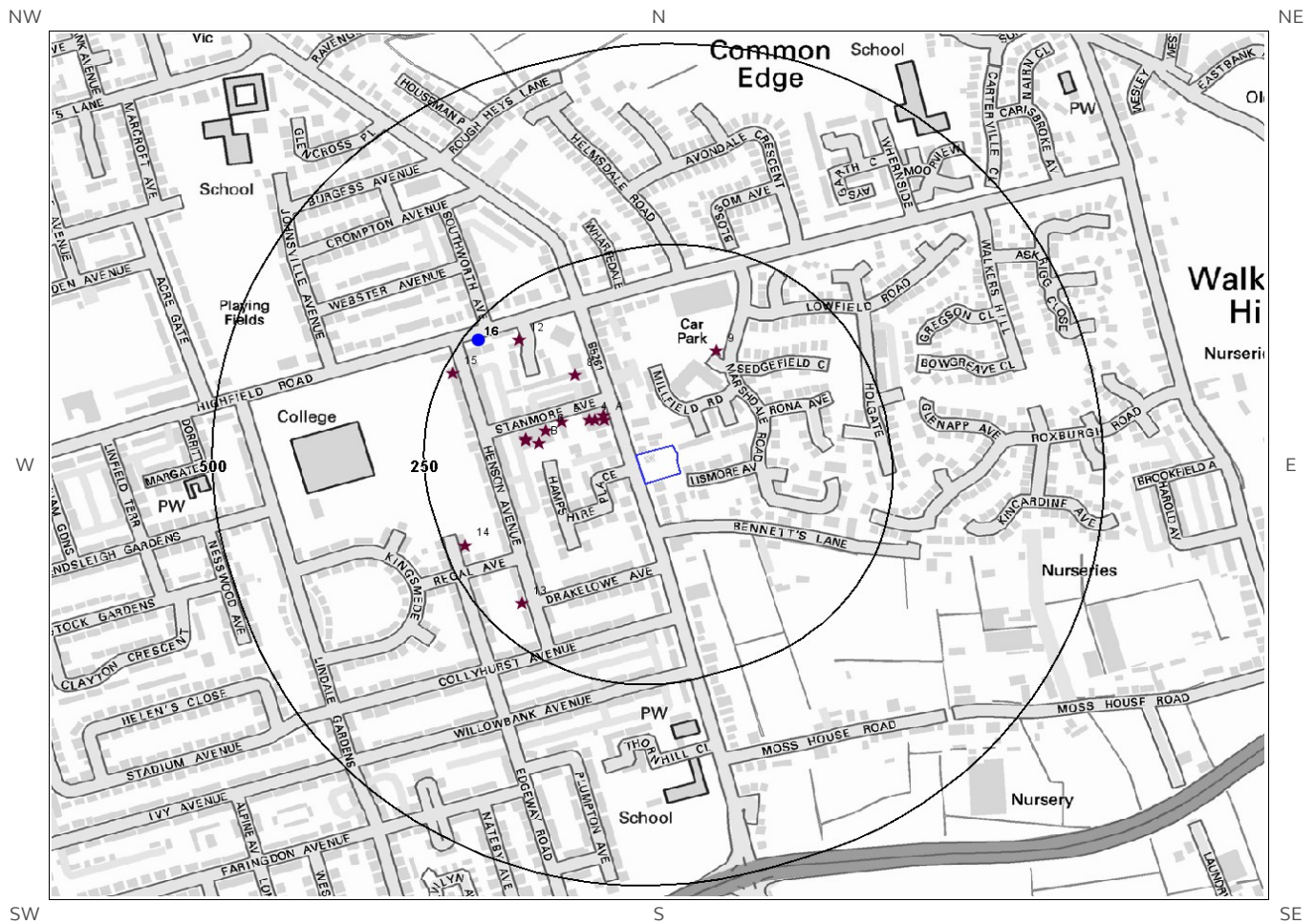
ID	Distance (m)	Direction	NGR	Details
Not shown	771	E	333400 433100	<p>Site Address: Fisher Lane, Squires Gate Link Road, Blackpool, FY</p> <p>Type: Landfill taking other wastes</p> <p>Size: Unknown</p> <p>Environmental Permitting Regulations (Waste) Licence Number: CUM001</p> <p>EPR reference: -</p> <p>Operator: Cumbrian Industrials Ltd</p> <p>Waste Management licence No: 54161</p> <p>Annual Tonnage: 0.0</p> <p>Issue Date: 03/05/1994</p> <p>Effective Date: -</p> <p>Modified: -</p> <p>Surrendered Date: 30/11/1999</p> <p>Expiry Date: -</p> <p>Cancelled Date: -</p> <p>Status: Surrendered</p> <p>Site Name: Cumbrian Industrials Ltd</p> <p>Correspondence Address: Coleridge House, Gilwilly Industrial Estate, Penrith, Cumbria, CA11 9BN</p>
Not shown	771	E	333400 433100	<p>Site Address: Fisher Lane, Squires Gate Link Road, Blackpool, Lancashire, FY</p> <p>Type: Landfill taking other wastes</p> <p>Size: < 25000 tonnes</p> <p>Environmental Permitting Regulations (Waste) Licence Number: CUM001</p> <p>EPR reference: EA/EPR/QP3491CA/S002</p> <p>Operator: Cumbrian Industrials Ltd</p> <p>Waste Management licence No: 54161</p> <p>Annual Tonnage: 100000.0</p> <p>Issue Date: 03/05/1994</p> <p>Effective Date: -</p> <p>Modified: -</p> <p>Surrendered Date: Nov 30 1999 12:00AM</p> <p>Expiry Date: -</p> <p>Cancelled Date: -</p> <p>Status: Surrendered</p> <p>Site Name: Cumbrian Industrials Ltd</p> <p>Correspondence Address: -</p>
Not shown	1028	E	333700 432900	<p>Site Address: Roseway, Chapel Road, Blackpool, Lancashire, FY4 5HU</p> <p>Issue Date: 22/07/1994</p> <p>Effective Date: -</p>

ID	Distance (m)	Direction	NGR	Details
				<p>Type: Household, Commercial & Industrial Waste T Stn Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: MOS001 EPR reference: EA/EPR/PP3697CT/A001 Operator: Mr O Baguley Waste Management licence No: 54174 Annual Tonnage: 1800.0</p> <p>Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Revoked Site Name: Moss Hey Garages Correspondence Address: -</p>
Not shown	1045	N	332800 433900	<p>Site Address: 56-62, Cowley Road, Marton, Blackpool, Lancashire, FY4 4NE Type: Metal Recycling Site (mixed MRS's) Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: ING003 EPR reference: EA/EPR/FB3900MC/T001 Operator: Inglemere Metals (Blackpool) Limited Waste Management licence No: 100357 Annual Tonnage: 25000.0</p> <p>Issue Date: 18/12/2008 Effective Date: 09/02/2018 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred Site Name: Inglemere Metals Ltd Correspondence Address: -</p>
Not shown	1045	N	332800 433900	<p>Site Address: 56 - 62, Cowley Road, Marton, Blackpool, Lancashire, FY4 4NE Type: Metal Recycling Site (mixed MRS's) Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: ING009 EPR reference: EA/EPR/CB3134AV/A001 Operator: Inglemere Metals Ltd Waste Management licence No: 100357 Annual Tonnage: 25000.0</p> <p>Issue Date: 18/12/2008 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued Site Name: Inglemere Metals Ltd Correspondence Address: -</p>
Not shown	1045	N	332800 433900	<p>Site Address: Top Yard, 62, Cowley Road, Blackpool, Lancashire, FY4 4NE Type: Metal Recycling Site (mixed MRS's) Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: ING001 EPR reference: EA/EPR/EP3691CH/A001 Operator: M L Thornton Waste Management licence No: 54076 Annual Tonnage: 4000.0</p> <p>Issue Date: 19/11/1992 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued Site Name: Inglemere Metals Ltd Correspondence Address: -</p>
Not shown	1045	N	332800 433900	<p>Site Address: Top Yard, 62, Cowley Road, Blackpool, Lancashire, FY4 4NE Type: Metal Recycling Site (mixed MRS's) Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: ING001 EPR reference: EA/EPR/EP3691CH/A001 Operator: Inglemere Metals Ltd Waste Management licence No: 54076 Annual Tonnage: 4000.0</p> <p>Issue Date: 19/11/1992 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Revoked Site Name: Inglemere Metals Ltd Correspondence Address: -</p>
Not shown	1072	N	332788 433928	<p>Site Address: 8, Cowley Road, Blackpool, Lancashire, FY4 4NE Type: ELV Facility Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: A&B002 EPR reference: EA/EPR/DP3997CL/A001 Operator: Pye Jonathan Waste Management licence No: 54397 Annual Tonnage: 2500.0</p> <p>Issue Date: 08/09/2004 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Revoked Site Name: A & B Car Parts Correspondence Address: -</p>
Not shown	1089	N	332740 433950	<p>Site Address: Blackpool, Lancashire, FY4 4NW Type: Household, Commercial & Industrial Waste T Stn Size: < 25000 tonnes</p> <p>Issue Date: 09/04/1999 Effective Date: - Modified: - Surrendered Date: Jun 18 2001 12:00AM Expiry Date: -</p>

ID	Distance (m)	Direction	NGR	Details
				<p>Environmental Permitting Regulations (Waste) Licence Number: BUR003 EPR reference: EA/EPR/CP3497CV/S002 Operator: Norweb Plc Waste Management licence No: 54296 Annual Tonnage: 4881.0</p> <p>Cancelled Date: - Status: Surrendered Site Name: Burton Road Depot Correspondence Address: -</p>
Not shown	1126	E	333800 432800	<p>Site Address: The Ranch, Dickies Lane, Marton Moss, Blackpool, Lancashire, FY4 5LG Type: Household, Commercial & Industrial Waste T Stn Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: THE001 EPR reference: EA/EPR/BP3497CE/A001 Operator: David Hargreaves Waste Management licence No: 54183 Annual Tonnage: 4999.0</p> <p>Issue Date: 16/09/1994 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued Site Name: The Ranch - Hargreaves Haulage Correspondence Address: -</p>
Not shown	1148	E	333786 433122	<p>Site Address: Unit 2-4, Moss Hey Garages, Barton, Blackpool, Lancashire, FY4 5HU Type: Metal Recycling Site (Vehicle Dismantler) Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: SBW001 EPR reference: EA/EPR/BP3293ZS/A001 Operator: S B Waste Management Ltd Waste Management licence No: 54465 Annual Tonnage: 5000.0</p> <p>Issue Date: 23/07/2008 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued Site Name: S B Waste Management Ltd Correspondence Address: -</p>
Not shown	1148	E	333786 433122	<p>Site Address: Unit 2-4, Moss Hey Garages, Barton, Blackpool, Lancashire, FY4 5HU Type: Household, Commercial & Industrial Waste T Stn Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: SBW001 EPR reference: EA/EPR/BP3293ZS/A001 Operator: S B Waste Management Ltd Waste Management licence No: 54465 Annual Tonnage: 5000.0</p> <p>Issue Date: 23/07/2008 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued Site Name: S B Waste Management Ltd Correspondence Address: -</p>
Not shown	1226	E	333900 432800	<p>Site Address: Moss Rose Piggeries, Dickies Lane South, Chapel Road, Blackpool, Lancashire, FY4 5LG Type: Household, Commercial & Industrial Waste T Stn Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: OB1001 EPR reference: EA/EPR/WP3397CH/V002 Operator: OB1 WRC Ltd Waste Management licence No: 54348 Annual Tonnage: 3456.0</p> <p>Issue Date: 26/09/2002 Effective Date: - Modified: 08/12/2003 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Revoked Site Name: Moss Rose Piggeries Correspondence Address: -</p>
Not shown	1438	NE	333900 433600	<p>Site Address: Ashworth Road, Marton, Blackpool, Lancashire, FY4 5NQ Type: Household, Commercial & Industrial Waste T Stn Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: SIT011 EPR reference: EA/EPR/AP3991CC/V012 Operator: Sita (Lancashire) Ltd Waste Management licence No: 54106 Annual Tonnage: 150000.0</p> <p>Issue Date: 14/05/1993 Effective Date: - Modified: 11/03/2016 Surrendered Date: 0 Expiry Date: - Cancelled Date: - Status: Modified Site Name: Blackpool Transfer Station Correspondence Address: -</p>
Not shown	1438	NE	333900 433600	<p>Site Address: Ashworth Road, Marton, Blackpool, Lancashire, FY4 5NQ</p> <p>Issue Date: 14/05/1993 Effective Date: -</p>

ID	Distance (m)	Direction	NGR	Details
				<p>Type: Household, Commercial & Industrial Waste T Stn Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: SIT011 EPR reference: EA/EPR/AP3991CC/V013 Operator: Suez Recycling And Recovery Lancashire Ltd Waste Management licence No: 54106 Annual Tonnage: 150000.0</p> <p>Modified: 30/06/2016 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified Site Name: Blackpool Transfer Station Correspondence Address: -</p>
Not shown	1464	NE	333700 433900	<p>Site Address: Cornford Road, Blackpool, Lancashire, FY4 4QQ Type: Metal Recycling Site (mixed MRS's) Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: BEC002 EPR reference: EA/EPR/ZP3891CF/A001 Operator: Beck Bros Ltd Waste Management licence No: 54052 Annual Tonnage: 1500.0</p> <p>Issue Date: 29/04/1991 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Expired Site Name: Beck Bros Ltd Correspondence Address: -</p>
Not shown	1491	NE	333900 433700	<p>Site Address: Chapel Road, Marton, Blackpool, Lancashire, FY4 5HU Type: Household, Commercial & Industrial Waste T Stn Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: SIT011 EPR reference: - Operator: Sita U K Ltd Waste Management licence No: 54106 Annual Tonnage: 119000.0</p> <p>Issue Date: 14/05/1993 Effective Date: - Modified: 08/12/2003 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified Site Name: Blackpool T S Correspondence Address: Tustin Court, Portway, Preston, Lancashire, PR2 2YQ</p>
Not shown	1491	NE	333900 433700	<p>Site Address: Chapel Road, Marton, Blackpool, Lancashire, FY4 5HU Type: Household, Commercial & Industrial Waste T Stn Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: SIT011 EPR reference: - Operator: Sita (Lancashire) Ltd Waste Management licence No: 54106 Annual Tonnage: 119000.0</p> <p>Issue Date: 14/05/1993 Effective Date: - Modified: 14/02/2002 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified Site Name: Blackpool T S Correspondence Address: Tustin Court, Portway, Preston, Lancashire, PR2 2YQ</p>

4. Current Land Use Map



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4. Current Land Uses

4.1 Current Industrial Data

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

15

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

ID	Distance (m)	Direction	Company	NGR	Address	Activity	Category
1A	58	NW	Crossleys Garage	332583 432896	1, Stanmore Avenue, Blackpool, Lancashire, FY4 3LX	Vehicle Repair, Testing and Servicing	Repair and Servicing
2A	63	NW	Works	332583 432902	Lancashire, FY4	Unspecified Works Or Factories	Industrial Features
3A	66	NW	Allpower Electrical Wholesale	332572 432896	3, Stanmore Avenue, Blackpool, Lancashire, FY4 3LX	Electronic Equipment	Industrial Products
4	71	NW	Warehouse	332566 432896	Lancashire, FY4	Container and Storage	Transport, Storage and Delivery
5	97	NW	A1 Vehicle Rescue Services Ltd	332533 432893	Stanmore Service Centre 15, Stanmore Avenue, Blackpool, Lancashire, FY4 3LX	Vehicle Repair, Testing and Servicing	Repair and Servicing
6	111	W	Warehouse	332514 432882	Lancashire, FY4	Container and Storage	Transport, Storage and Delivery
7B	115	W	P B Motorsport Ltd	332507 432866	19, Stanmore Avenue, Blackpool, Lancashire, FY4 3LX	New Vehicles	Motoring
8	123	NW	Braithwaites Hardware	332549 432951	11, Common Edge Road, Blackpool, Lancashire, FY4 5AX	General Construction Supplies	Industrial Products
9	129	NE	Electricity Sub Station	332716 432982	Lancashire, FY4	Electrical Features	Infrastructure and Facilities
10B	131	W	Works	332491 432870	Lancashire, FY4	Unspecified Works Or Factories	Industrial Features
11B	132	W	Jordan's Glass	332490 432872	21, Stanmore Avenue, Blackpool, Lancashire, FY4 3LX	Glass	Industrial Products
12	199	NW	Electricity Sub Station	332483 432995	Lancashire, FY4	Electrical Features	Infrastructure and Facilities
13	208	SW	Angela Parker	332486 432667	95, Henson Avenue, Blackpool, Lancashire, FY4 3LZ	Curtains and Blinds	Consumer Products
14	226	W	Topaz Cakes	332419 432739	67, Edgeway Road, Blackpool, Lancashire, FY4 3NJ	Baking and Confectionery	Foodstuffs
15	239	NW	Whizz I.T Support	332404 432953	3, Henson Avenue, Blackpool, Lancashire, FY4 3LZ	Electrical Equipment Repair and Servicing	Repair and Servicing

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
16	234	NW	332435 432994	OBSOLETE	159 Highfield Road, Common Edge, Blackpool, Blackpool, FY4 2HG	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
BSA-S	BLOWN SAND	SAND

5.3 Bedrock and Solid Geology

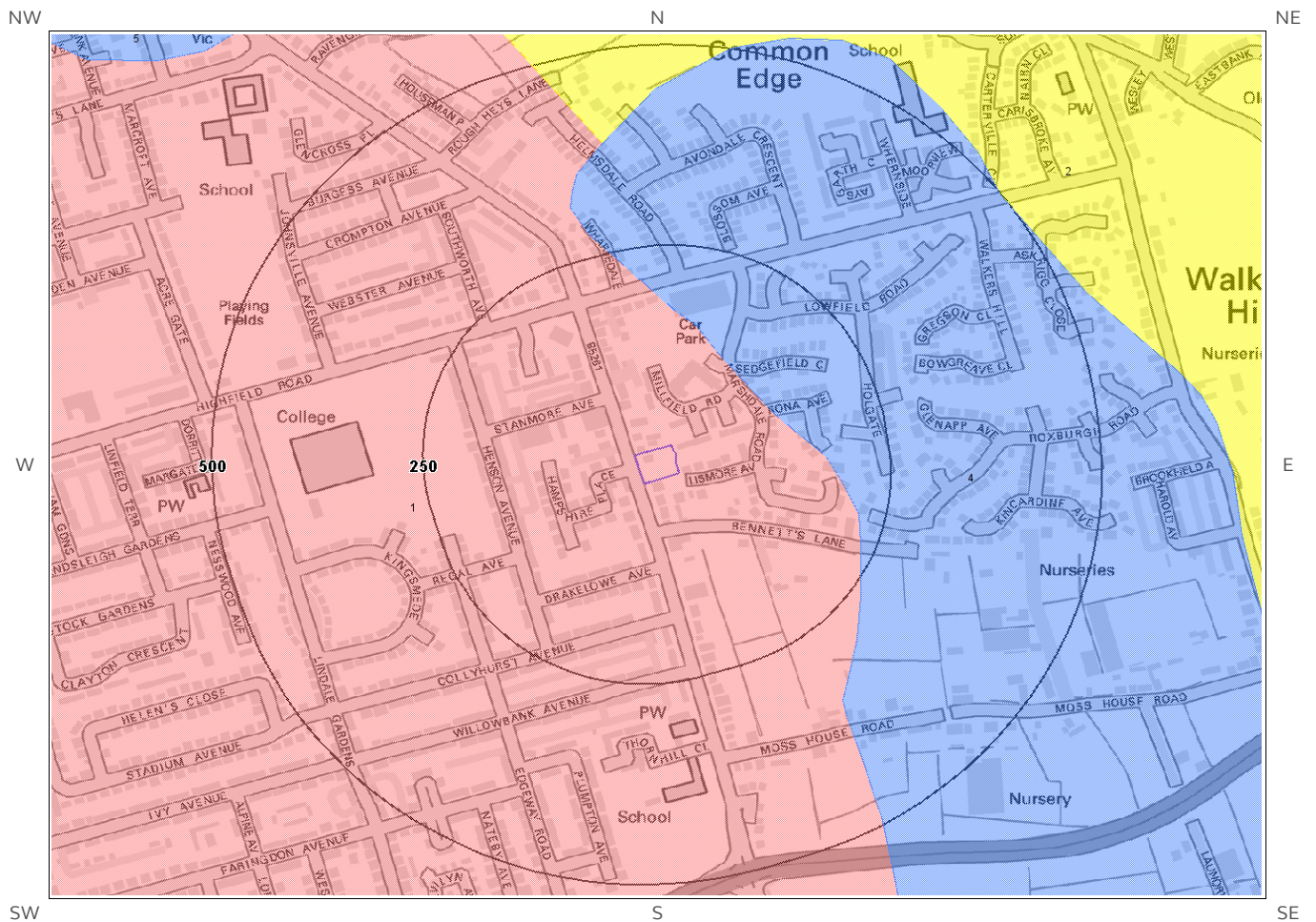
The database has been searched on site, including a 50m buffer.

Lex Code	Description	Rock Type
SNM-MDST	SINGLETON MUDSTONE MEMBER	MUDSTONE
MSA-MDHA	MYTHOP HALITE MEMBER	MUDSTONE AND HALITE-STONE

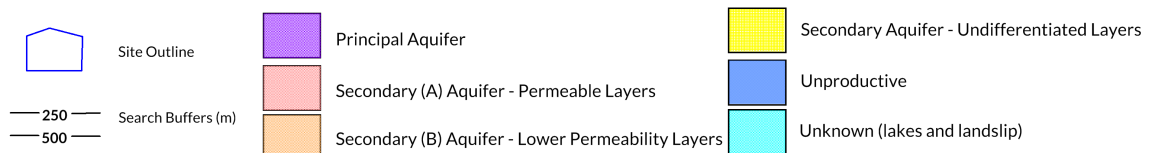
(Derived from the BGS 1:50,000 Digital Geological Map of Great Britain)

6 Hydrogeology and Hydrology

6a. Aquifer Within Superficial Geology



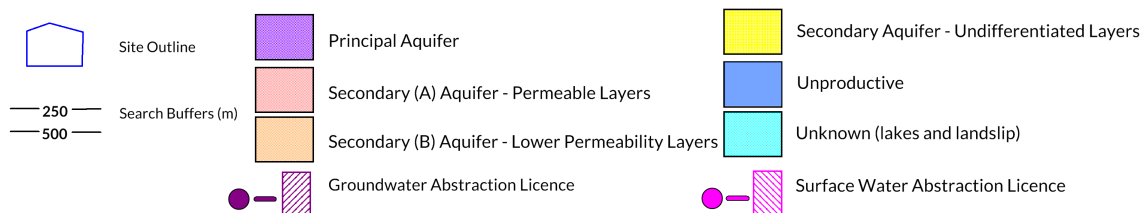
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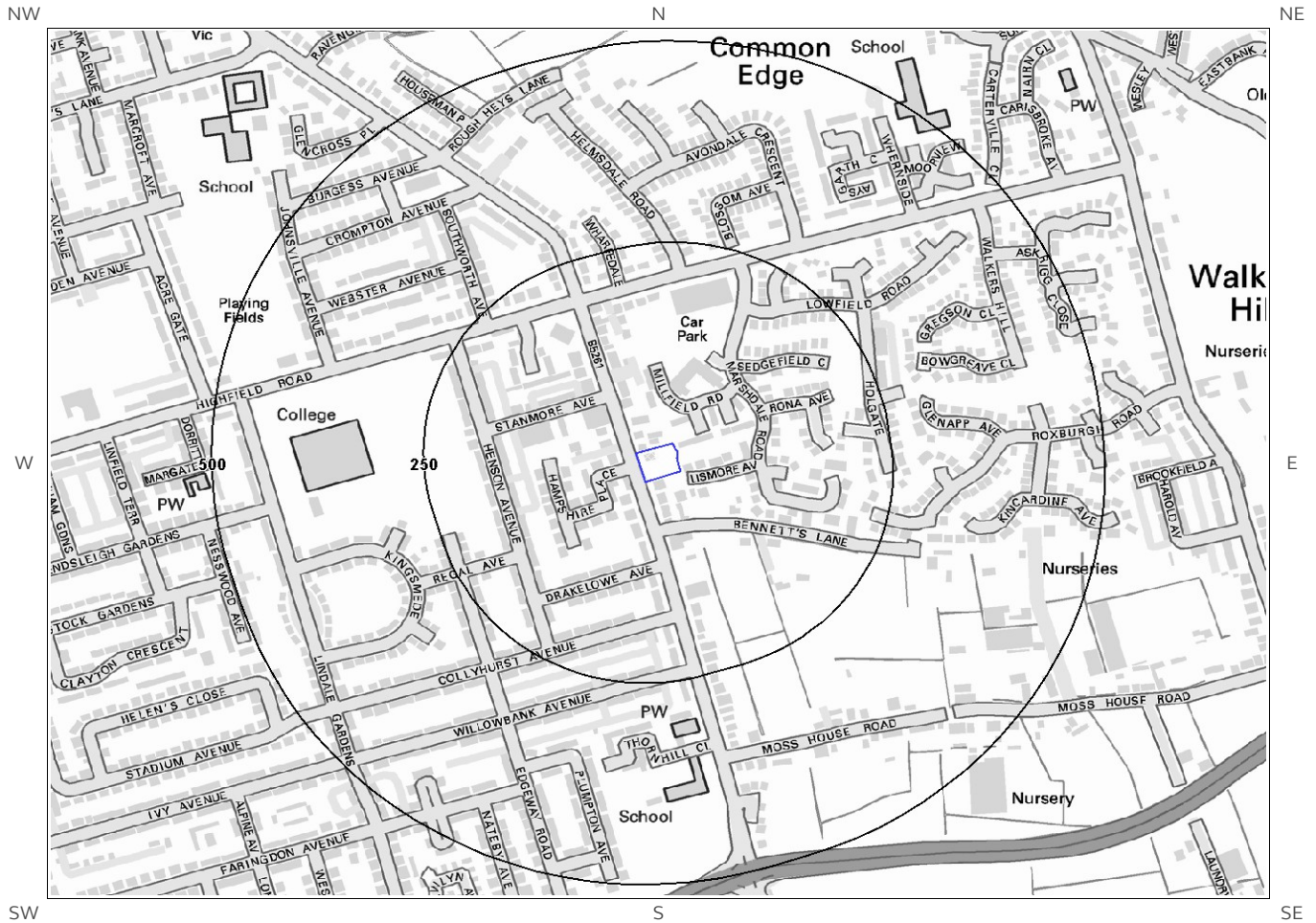
6b. Aquifer Within Bedrock Geology and Abstraction Licences



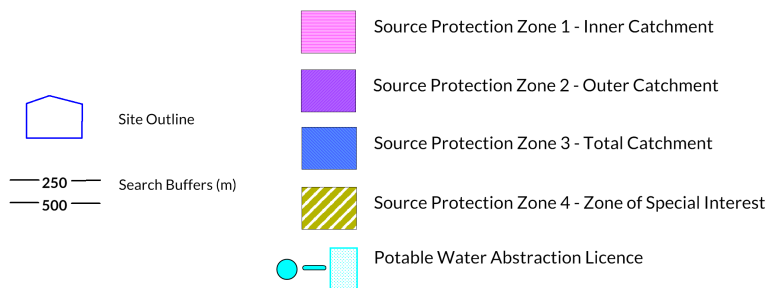
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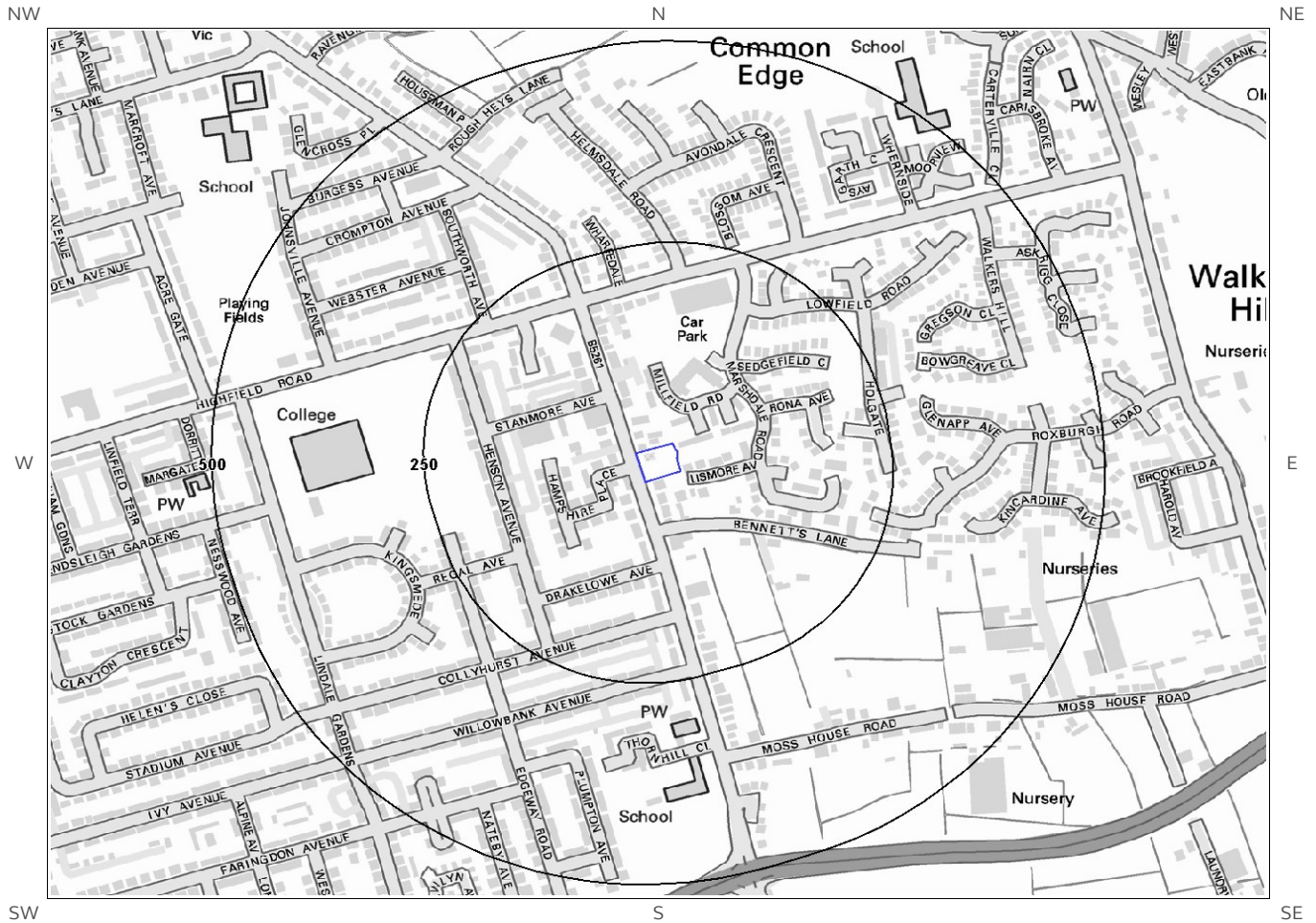
6c. Hydrogeology – Source Protection Zones and Potable Water Abstraction Licences



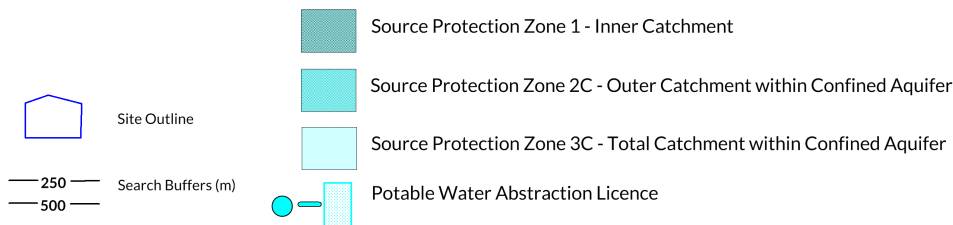
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6d. Hydrogeology – Source Protection Zones within confined aquifer



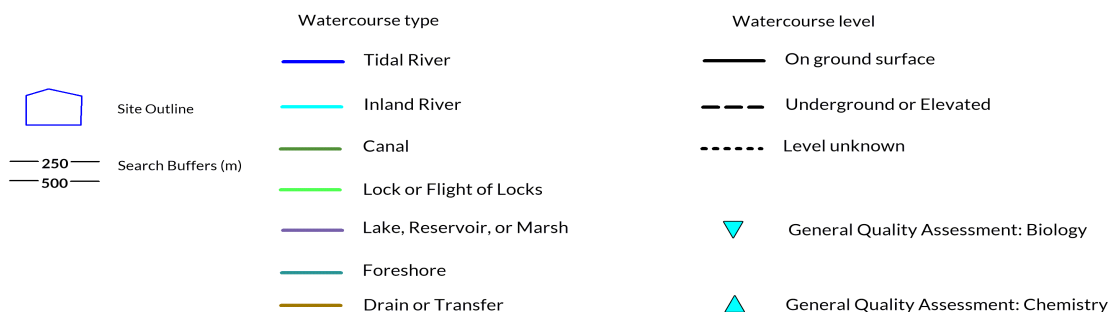
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6e. Hydrology – Watercourse Network and River Quality



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6. Hydrogeology and Hydrology

6.1 Aquifer within Superficial Deposits

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

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

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

ID	Distance (m)	Direction	Designation	Description
1	0	On Site	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
4	117	NE	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow
2	386	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

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 B	Predominantly lower permeability layers which may store/yield limited amounts of groundwater due to localised features such as fissures, thin permeable horizons and weathering. These are generally the water-bearing parts of the former non-aquifers
3	0	On Site	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow
2	14	SW	Secondary B	Predominantly lower permeability layers which may store/yield limited amounts of groundwater due to localised features such as fissures, thin permeable horizons and weathering. These are generally the water-bearing parts of the former non-aquifers

6.3 Groundwater Abstraction Licences

Groundwater Abstraction Licences within 2000m of the study site None identified

Database searched and no data found.

6.4 Surface Water Abstraction Licences

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

Database searched and no data found.

6.5 Potable Water Abstraction Licences

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

Database searched and no data found.

6.6 Source Protection Zones

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

Database searched and no data found.

6.7 Source Protection Zones within Confined Aquifer

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

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

Database searched and no data found.

6.8 Groundwater Vulnerability and Soil Leaching Potential

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

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

6.9 River Quality

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

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	97 S	-	Inland river not influenced by normal tidal action.	Catchment Area: Ribble Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 1.2
1	97	-	Inland river not influenced	Catchment Area: Ribble

ID	Distance/ Direction	Name	Type of Watercourse	Additional Details
	S		by normal tidal action.	Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 1.2
2	108 SE	-	Inland river not influenced by normal tidal action.	Catchment Area: Ribble Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 0.8
2	108 SE	-	Inland river not influenced by normal tidal action.	Catchment Area: Ribble Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 0.8
3	142 SE	-	Inland river not influenced by normal tidal action.	Catchment Area: Ribble 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	142 SE	-	Inland river not influenced by normal tidal action.	Catchment Area: Ribble 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	222 S	-	Inland river not influenced by normal tidal action.	Catchment Area: Ribble Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 1.0
5	222 S	-	Inland river not influenced by normal tidal action.	Catchment Area: Ribble Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 1.2
4	222 S	-	Inland river not influenced by normal tidal action.	Catchment Area: Ribble Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 1.0
5	222 S	-	Inland river not influenced by normal tidal action.	Catchment Area: Ribble Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 1.2
6	230 SE	-	Inland river not influenced by normal tidal action.	Catchment Area: Ribble Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 1.0
6	230 SE	-	Inland river not influenced by normal tidal action.	Catchment Area: Ribble Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 1.0
7	270 S	-	Inland river not influenced by normal tidal action.	Catchment Area: Ribble Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): Not Provided
7	270 S	-	Inland river not influenced by normal tidal action.	Catchment Area: Ribble 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
8	278 S	-	Inland river not influenced by normal tidal action.	Catchment Area: Ribble Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 1.7
8	278 S	-	Inland river not influenced by normal tidal action.	Catchment Area: Ribble Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 1.7
9	281 E	-	Inland river not influenced by normal tidal action.	Catchment Area: Ribble Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): Not Provided
9	281 E	-	Inland river not influenced by normal tidal action.	Catchment Area: Ribble Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): Not Provided
10	294 SE	-	Inland river not influenced by normal tidal action.	Catchment Area: Ribble Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 1.1
10	294 SE	-	Inland river not influenced by normal tidal action.	Catchment Area: Ribble Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 1.1
11	346 SE	-	Inland river not influenced by normal tidal action.	Catchment Area: Ribble Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 1.0
11	346 SE	-	Inland river not influenced by normal tidal action.	Catchment Area: Ribble Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 1.0
12	350 SE	-	Inland river not influenced by normal tidal action.	Catchment Area: Ribble Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 1.0
13	350 SE	-	Inland river not influenced by normal tidal action.	Catchment Area: Ribble Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 1.0
12	350 SE	-	Inland river not influenced by normal tidal action.	Catchment Area: Ribble Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 1.0
13	350 SE	-	Inland river not influenced by normal tidal action.	Catchment Area: Ribble Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 1.0

ID	Distance/ Direction	Name	Type of Watercourse	Additional Details
14	357 E	-	Inland river not influenced by normal tidal action.	Catchment Area: Ribble Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 1.0
14	357 E	-	Inland river not influenced by normal tidal action.	Catchment Area: Ribble Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 1.0
15	386 SE	-	Inland river not influenced by normal tidal action.	Catchment Area: Ribble 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	386 SE	-	Inland river not influenced by normal tidal action.	Catchment Area: Ribble 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	393 SE	-	Inland river not influenced by normal tidal action.	Catchment Area: Ribble Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 1.0
Not shown	393 SE	-	Inland river not influenced by normal tidal action.	Catchment Area: Ribble Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 1.0
17	397 S	-	Inland river not influenced by normal tidal action.	Catchment Area: Ribble Relationship to Ground Level: Underground Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): Not Provided
Not shown	397 S	-	Inland river not influenced by normal tidal action.	Catchment Area: Ribble Relationship to Ground Level: Underground Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): Not Provided
18	427 SE	-	Inland river not influenced by normal tidal action.	Catchment Area: Ribble Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 0.6
Not shown	427 SE	-	Inland river not influenced by normal tidal action.	Catchment Area: Ribble Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 0.6
19	438 SE	-	Inland river not influenced by normal tidal action.	Catchment Area: Ribble Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 0.6
20	438 SE	-	Inland river not influenced by normal tidal action.	Catchment Area: Ribble Relationship to Ground Level: Underground Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): Not Provided
Not shown	438	-	Inland river not influenced by normal tidal action.	Catchment Area: Ribble Relationship to Ground Level: On ground surface

ID	Distance/ Direction	Name	Type of Watercourse	Additional Details
	SE			Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 0.6
Not shown	438 SE	-	Inland river not influenced by normal tidal action.	Catchment Area: Ribble Relationship to Ground Level: Underground Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): Not Provided
21	446 N	-	Inland river not influenced by normal tidal action.	Catchment Area: Ribble Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 1.0
Not shown	446 N	-	Inland river not influenced by normal tidal action.	Catchment Area: Ribble Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 1.0
22	453 E	-	Inland river not influenced by normal tidal action.	Catchment Area: Ribble Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 0.9
Not shown	453 E	-	Inland river not influenced by normal tidal action.	Catchment Area: Ribble Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 0.9
23	465 S	-	Inland river not influenced by normal tidal action.	Catchment Area: Ribble Relationship to Ground Level: Underground Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): Not Provided
Not shown	465 S	-	Inland river not influenced by normal tidal action.	Catchment Area: Ribble Relationship to Ground Level: Underground Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): Not Provided
24	467 N	-	Inland river not influenced by normal tidal action.	Catchment Area: Ribble Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 1.5
Not shown	467 N	-	Inland river not influenced by normal tidal action.	Catchment Area: Ribble Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 1.5
25	468 SE	-	Inland river not influenced by normal tidal action.	Catchment Area: Ribble Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 0.8
Not shown	468 SE	-	Inland river not influenced by normal tidal action.	Catchment Area: Ribble Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 0.8
26	472 N	-	Inland river not influenced by normal tidal action.	Catchment Area: Ribble Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions)

ID	Distance/ Direction	Name	Type of Watercourse	Additional Details
				Average Width in Watercourse Section (m): 1.5
Not shown	472 N	-	Inland river not influenced by normal tidal action.	Catchment Area: Ribble Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 1.5
27	478 N	-	Inland river not influenced by normal tidal action.	Catchment Area: Ribble Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 1.6
Not shown	478 N	-	Inland river not influenced by normal tidal action.	Catchment Area: Ribble Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 1.6
28	483 E	-	Inland river not influenced by normal tidal action.	Catchment Area: Ribble Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 1.5
Not shown	483 E	-	Inland river not influenced by normal tidal action.	Catchment Area: Ribble Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 1.5
29	492 SE	-	Inland river not influenced by normal tidal action.	Catchment Area: Ribble Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 0.7
Not shown	492 SE	-	Inland river not influenced by normal tidal action.	Catchment Area: Ribble Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 0.7
30	498 E	-	Inland river not influenced by normal tidal action.	Catchment Area: Ribble Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 1.2
31	498 SE	-	Inland river not influenced by normal tidal action.	Catchment Area: Ribble Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 1.0
Not shown	498 E	-	Inland river not influenced by normal tidal action.	Catchment Area: Ribble Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 1.2
Not shown	498 SE	-	Inland river not influenced by normal tidal action.	Catchment Area: Ribble Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 1.0

6.11 Surface Water Features

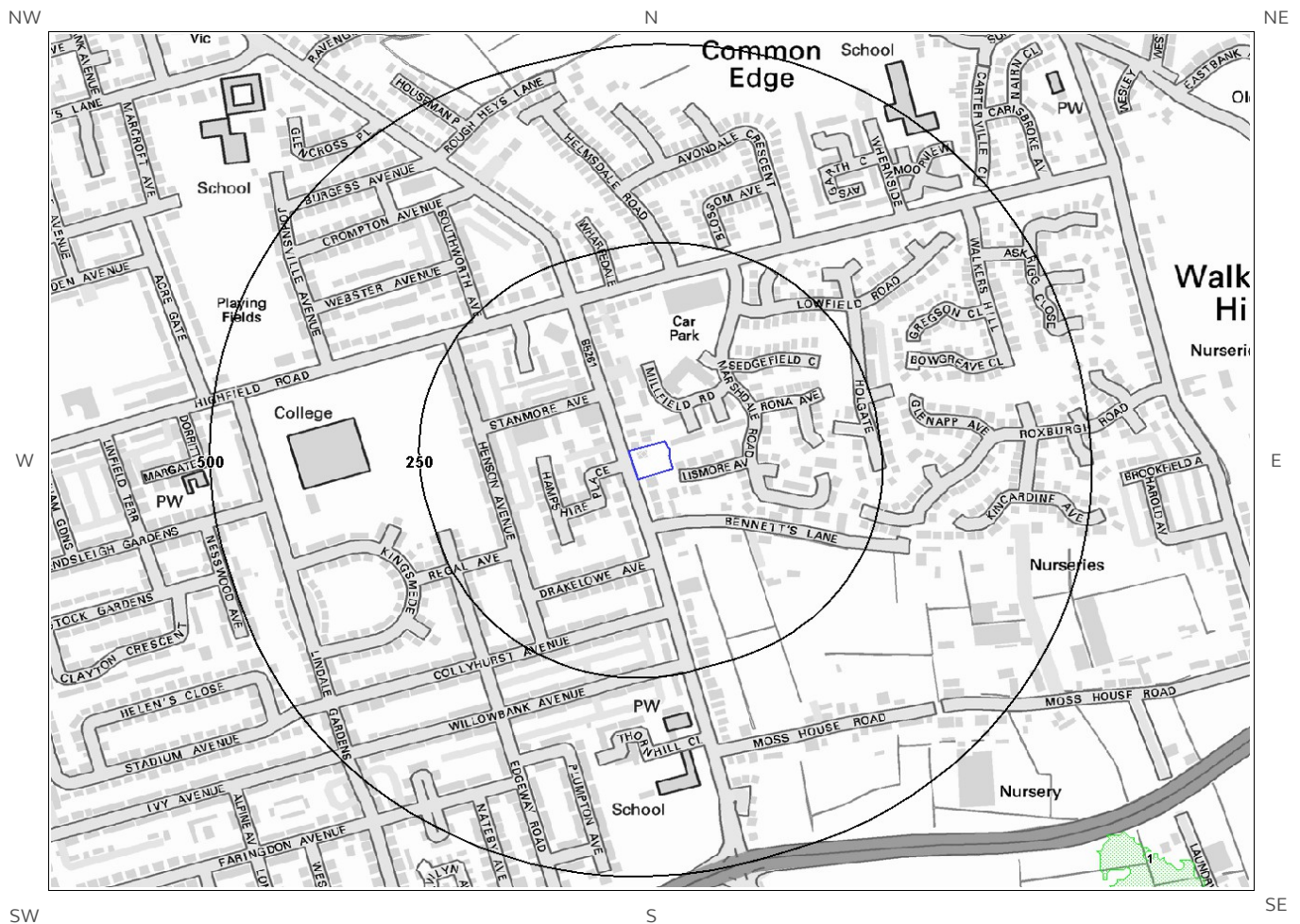
Surface water features within 250m of the study site

Identified

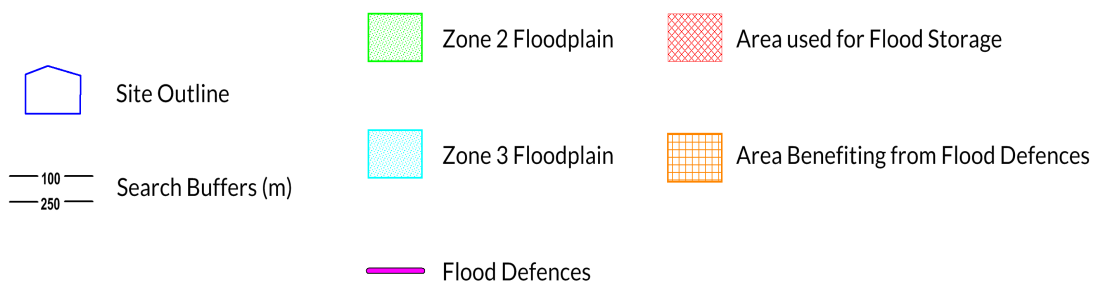
The following surface water records are not represented on mapping:

Distance (m)	Direction
142	SE

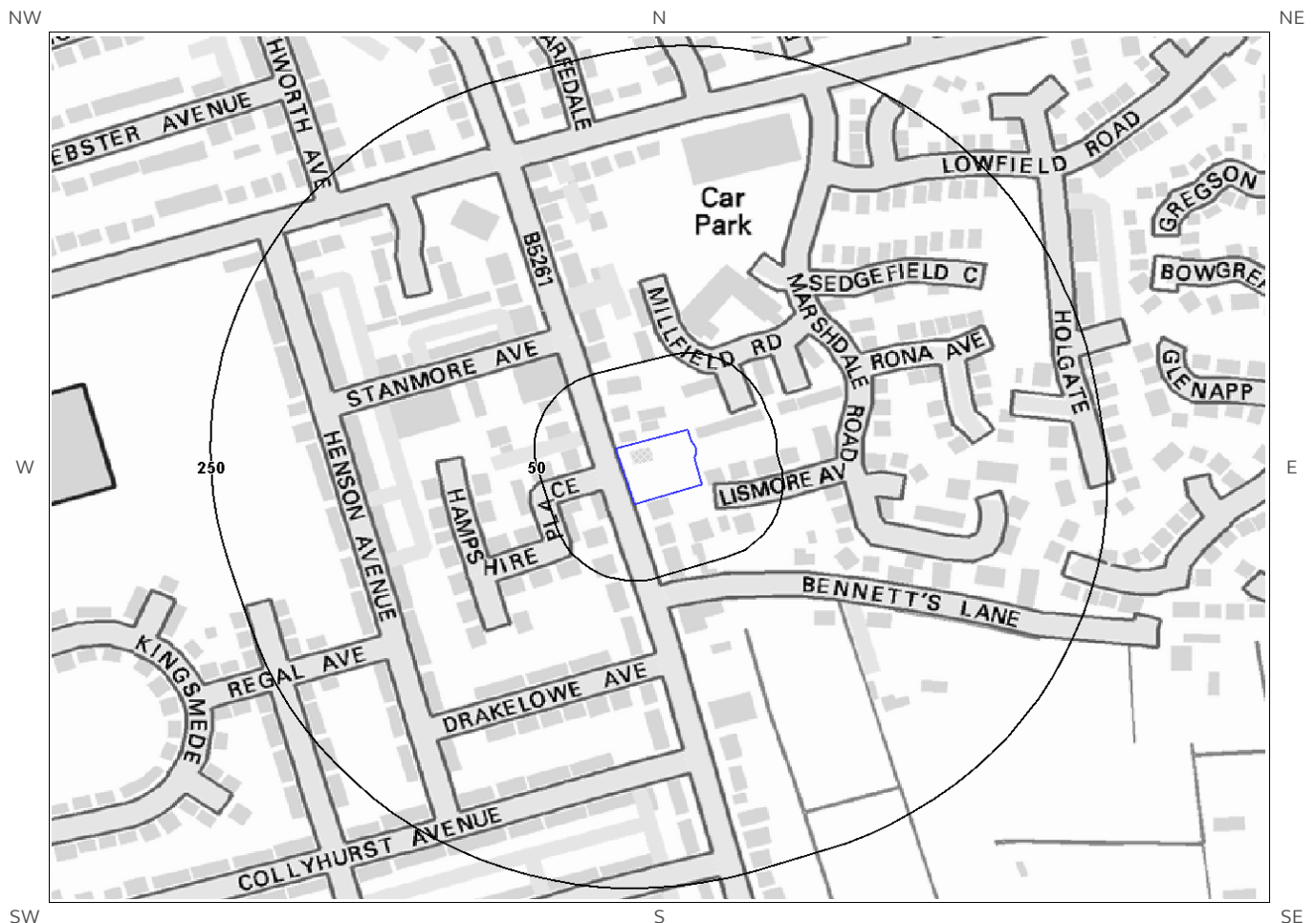
7a. Environment Agency/Natural Resources Wales Flood Map for Planning (from rivers and the sea)



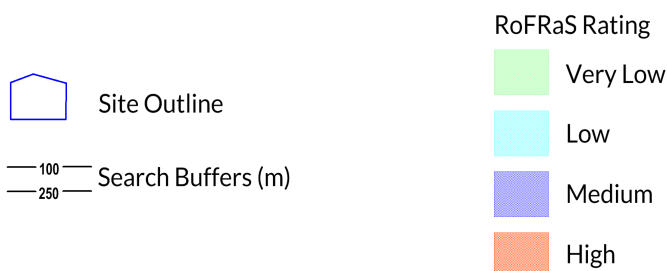
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7b. Environment Agency/Natural Resources Wales Risk of Flooding from Rivers and the Sea (RoFRaS) Map



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7 Flooding

7.1 River and Coastal Zone 2 Flooding

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 benefiting from Flood Storage

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

None identified

7.7 Groundwater Flooding Susceptibility Areas

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

Identified

Clearwater Flooding or Superficial Deposits Flooding

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

Potential at Surface

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

7.8 Groundwater Flooding Confidence Areas

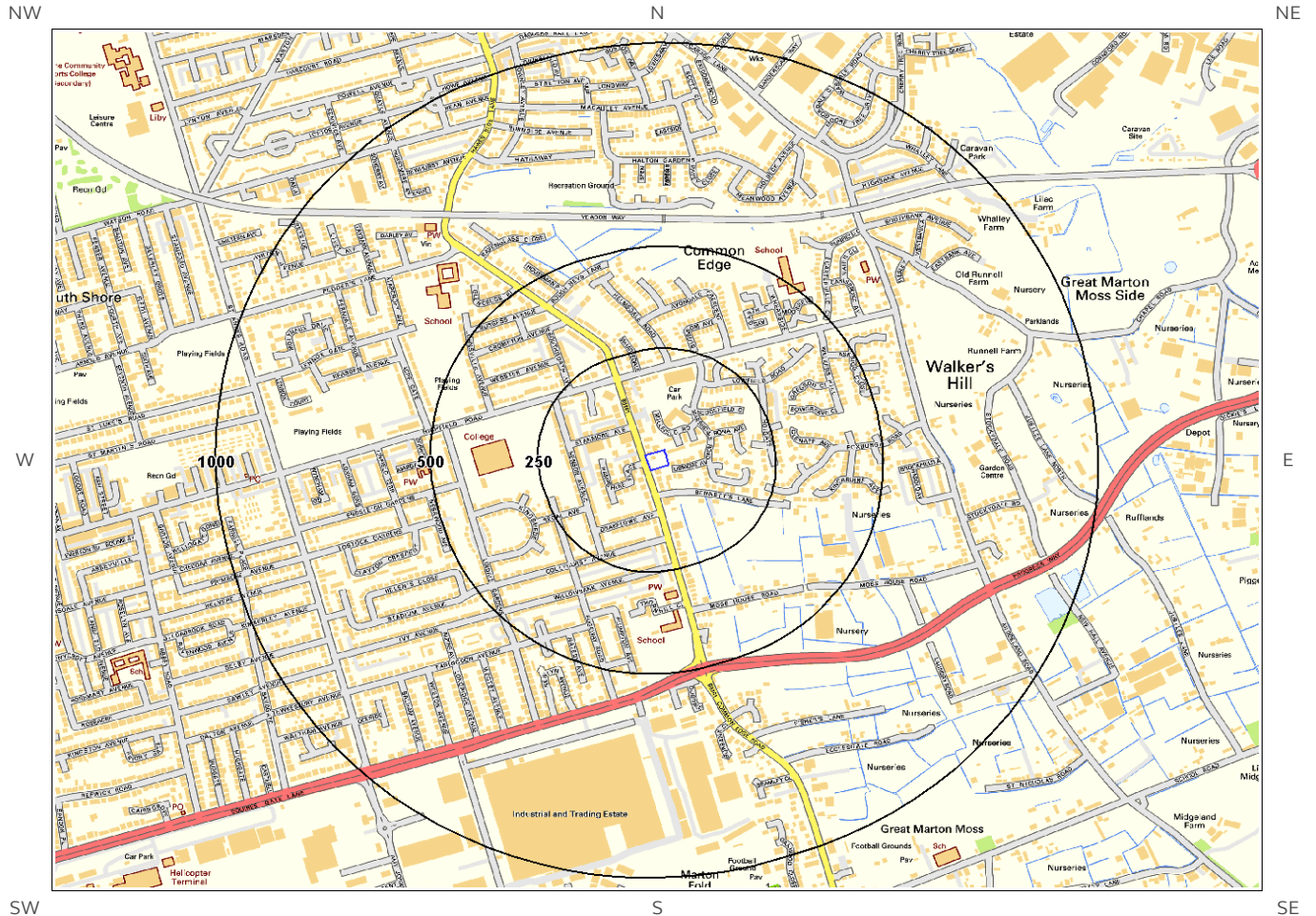
British Geological Survey confidence rating in this result

Moderate

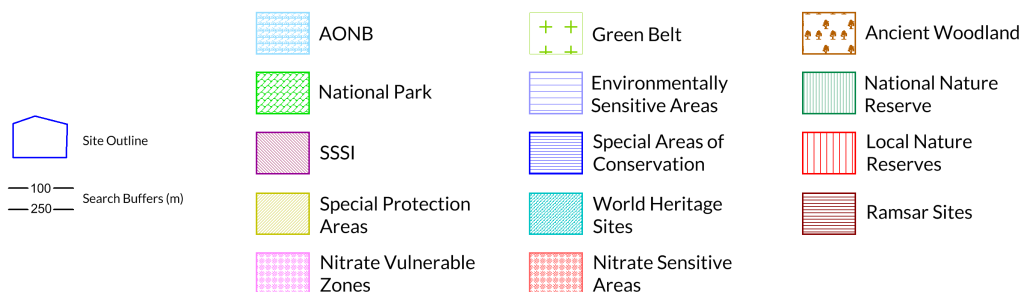
Notes: Groundwater flooding is defined as the emergence of groundwater at the ground surface or the rising of groundwater into man-made ground under conditions where the normal range of groundwater levels is exceeded.

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

8. Designated Environmentally Sensitive Sites Map



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8. Designated Environmentally Sensitive Sites

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

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

0

Database searched and no data found.

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

0

Database searched and no data found.

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

0

Database searched and no data found.

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

0

Database searched and no data found.

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

0

Database searched and no data found.

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

0

Database searched and no data found.

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:

0

Database searched and no data found.

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

2

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ID	Distance	Direction	Green Belt Name	Local Authority Name
1	1055	S	Blackpool Greenbelt	Blackpool (B)
Not shown	1346	SW	Blackpool Greenbelt	Fylde 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

Maximum Shrink-Swell** 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
Ground conditions predominantly non-plastic. 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 likely 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 Very Low

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

Hazard
Significant soluble rocks are present. Problems unlikely except with considerable surface or subsurface water flow. No special actions required to avoid problems due to soluble rocks. No special ground investigation required or increased construction costs are likely. An increase in financial risk due to potential problems with soluble rocks is unlikely.

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

9.1.4 Compressible Ground

Maximum Compressible Ground* hazard rating identified on the study site

Negligible

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

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

9.1.5 Collapsible Rocks

Maximum Collapsible Rocks* hazard rating identified on the study site

Negligible

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

Hazard
No indicators for collapsible deposits identified. No actions required to avoid problems due to collapsible deposits. 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

Low

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

Hazard
Possibility of running sand problems after major changes in ground conditions. Normal maintenance to avoid leakage of water-bearing services or water bodies (ponds, swimming pools) should reduce likelihood of problems due to running sand. For new build consider possibility of running sand into trenches or excavations if water table is high or sandy strata are exposed to water. Avoid concentrated water inputs to site. Unlikely to be an increase in construction costs due to potential for running sand. For existing property no significant increase in insurance risk due to running sand problems is likely.

* 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

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

None identified

Database searched and no data found.

10.3 Brine Affected Areas

Brine affected areas within 75m of the study site

None identified

Guidance: No Guidance Required.

Contact Details

Groundsure Helpline
Telephone: 08444 159 000
info@groundsure.com



British Geological Survey Enquiries
Kingsley Dunham Centre
Keyworth, Nottingham NG12 5GG
Tel: 0115 936 3143.
Fax: 0115 936 3276.
Email:



Web: www.bgs.ac.uk
BGS Geological Hazards Reports and general geological enquiries:
enquiries@bgs.ac.uk

Environment Agency
National Customer Contact Centre, PO Box 544
Rotherham, S60 1BY
Tel: 03708 506 506
Web: www.environment-agency.gov.uk
Email: enquiries@environment-agency.gov.uk



Public Health England
Public information access office
Public Health England, Wellington House
133-155 Waterloo Road, London, SE1 8UG
www.gov.uk/phe
Email: enquiries@phe.gov.uk
Main switchboard: 020 7654 8000



The Coal Authority
200 Lichfield Lane
Mansfield
Notts NG18 4RG
Tel: 0345 7626 848
DX 716176 Mansfield 5
www.coal.gov.uk



Ordnance Survey
Adanac Drive, Southampton
SO16 0AS
Tel: 08456 050505



Local Authority
Authority: Blackpool Borough Council
Phone: 01253 477 477
Web: <http://www.blackpool.gov.uk>
Address: PO Box 4, Blackpool, Lancashire, FY1 1NA

Gemapping PLC
Virginia Villas, High Street, Hartley Witney,
Hampshire RG27 8NW
Tel: 01252 845444



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