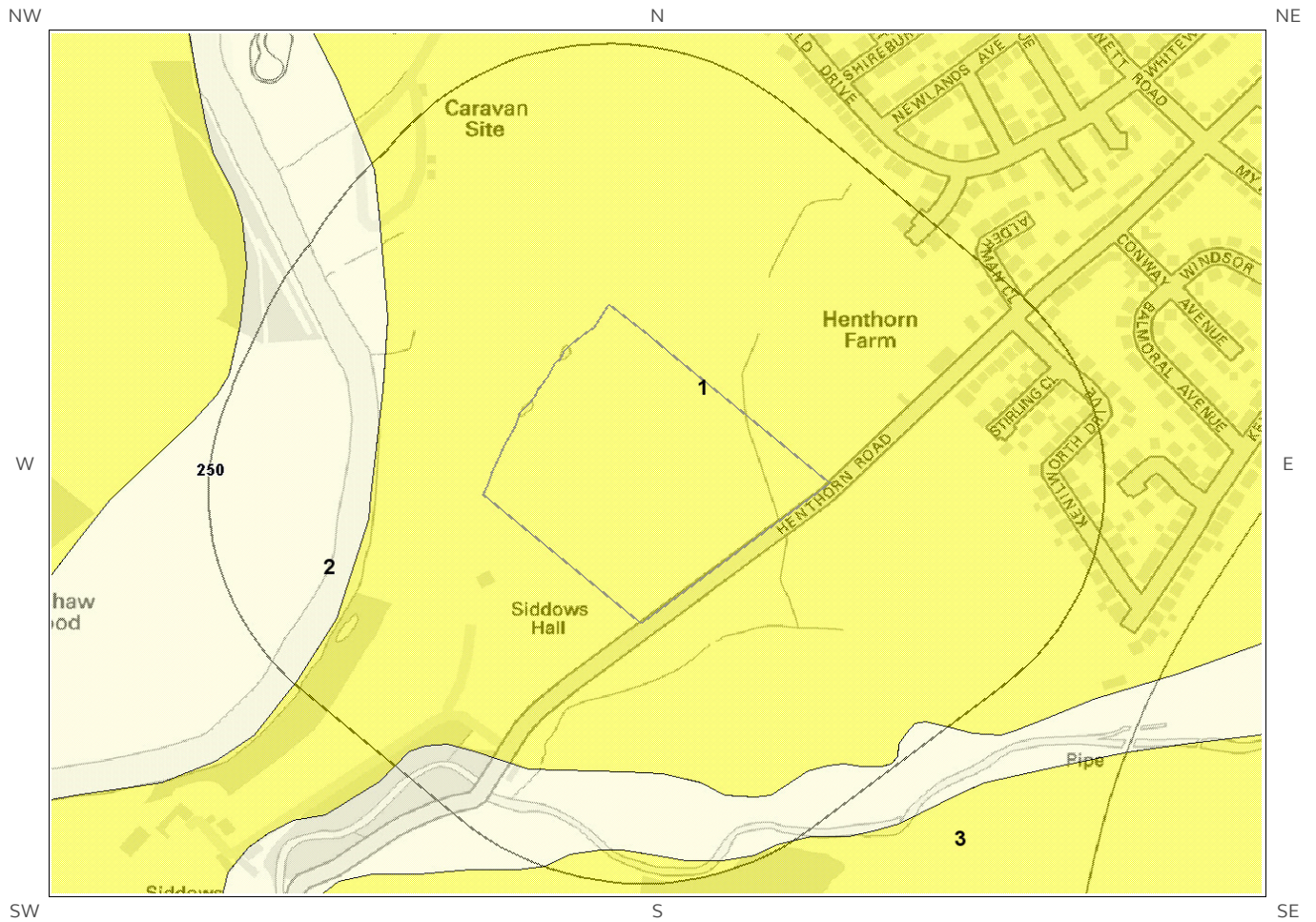


6.5 Collapsible Deposits map

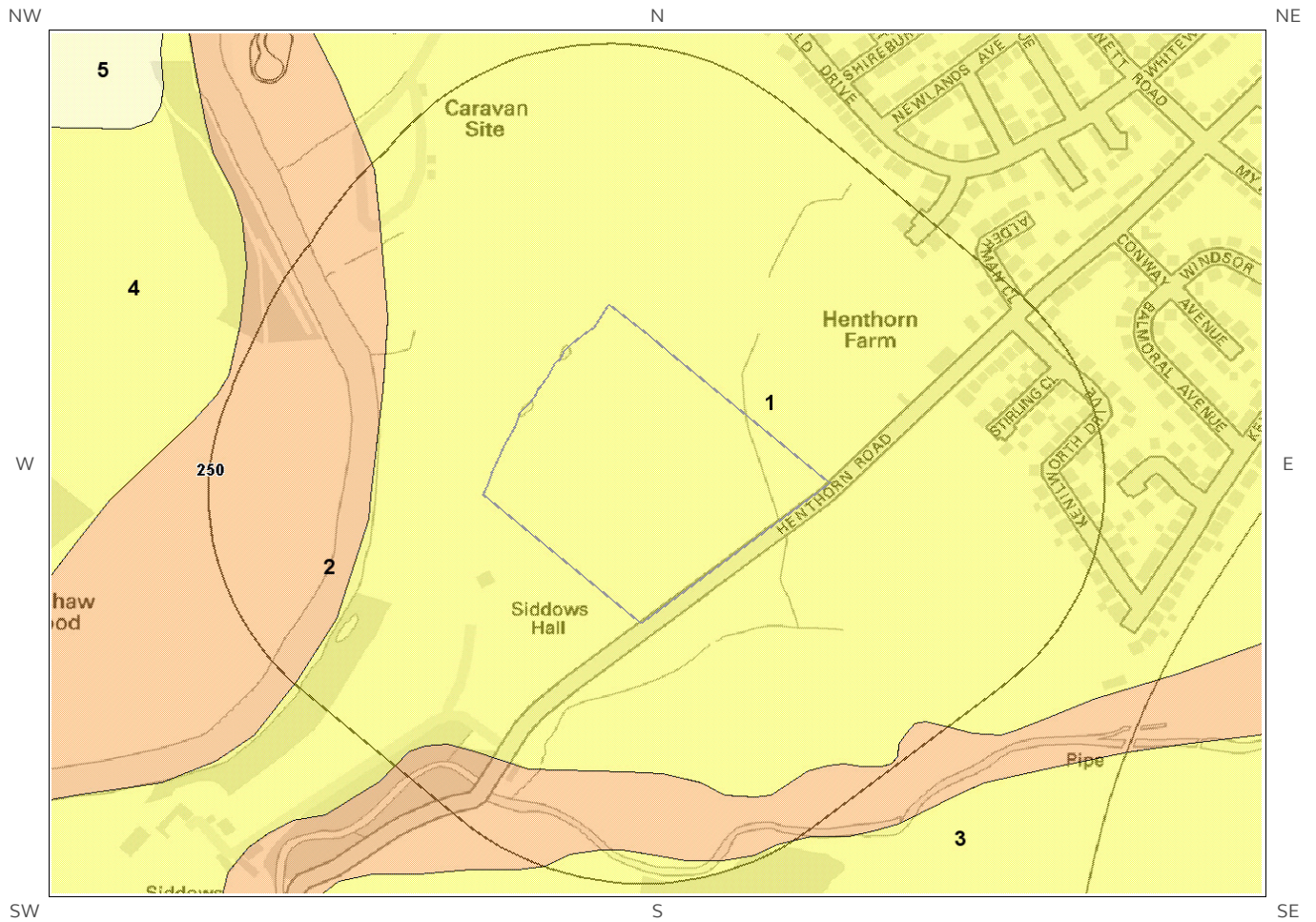


Collapsible Deposits Legend

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6.6 Running Sand map



Running Sand Legend

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6 Natural Ground Subsidence

The National Ground Subsidence rating is obtained through the 6 natural ground stability hazard datasets, which are supplied by the British Geological Survey (BGS).

The following GeoSure data represented on the mapping is derived from the BGS Digital Geological map of Great Britain at 1:50,000 scale.

What is the maximum hazard rating of natural subsidence within the study site* boundary? **Very Low**

6.1 Shrink-Swell Clays

The following Shrink Swell information provided by the British Geological Survey:

ID	Distance (m)	Direction	Hazard Rating	Details
1	0.0	On Site	Very Low	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.

6.2 Landslides

The following Landslides information provided by the British Geological Survey:

ID	Distance (m)	Direction	Hazard Rating	Details
1	0.0	On Site	Very Low	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.

6.3 Ground Dissolution of Soluble Rocks

The following Ground Dissolution information provided by the British Geological Survey:

ID	Distance (m)	Direction	Hazard Rating	Details
1	0.0	On Site	Very Low	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 includes an automatically generated 50m buffer zone around the site

6.4 Compressible Deposits

The following Compressible Deposits information provided by the British Geological Survey:

ID	Distance (m)	Direction	Hazard Rating	Details
1	0.0	On Site	Negligible	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.

6.5 Collapsible Deposits

The following Collapsible Rocks information provided by the British Geological Survey:

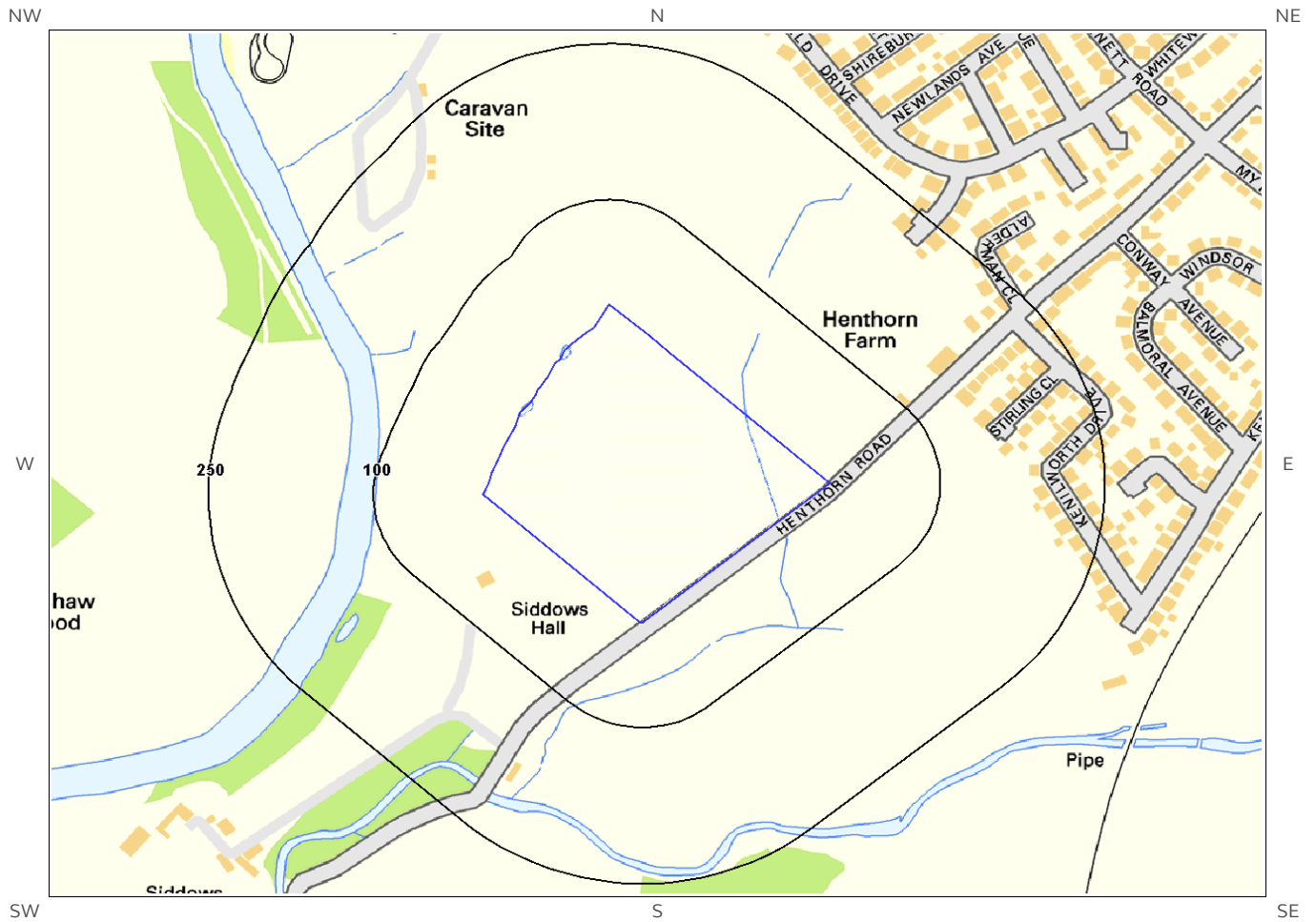
ID	Distance (m)	Direction	Hazard Rating	Details
1	0.0	On Site	Very Low	Deposits with potential to collapse when loaded and saturated are unlikely to be present. No special ground investigation required or increased construction costs or increased financial risk due to potential problems with collapsible deposits.

6.6 Running Sands

The following Running Sands information provided by the British Geological Survey:

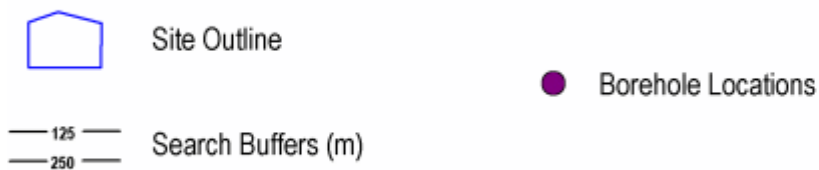
ID	Distance (m)	Direction	Hazard Rating	Details
1	0.0	On Site	Very Low	Very low potential for running sand problems if water table rises or if sandy strata are exposed to water. No special actions required, to avoid problems due to running sand. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with running sand.

7 Borehole Records map



Borehole Records Legend

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7 Borehole Records

The systematic analysis of data extracted from the BGS Borehole Records database provides the following information.

Records of boreholes within 250m of the study site boundary:

0

Database searched and no data found.

8 Estimated Background Soil Chemistry

Records of background estimated soil chemistry within 250m of the study site boundary:

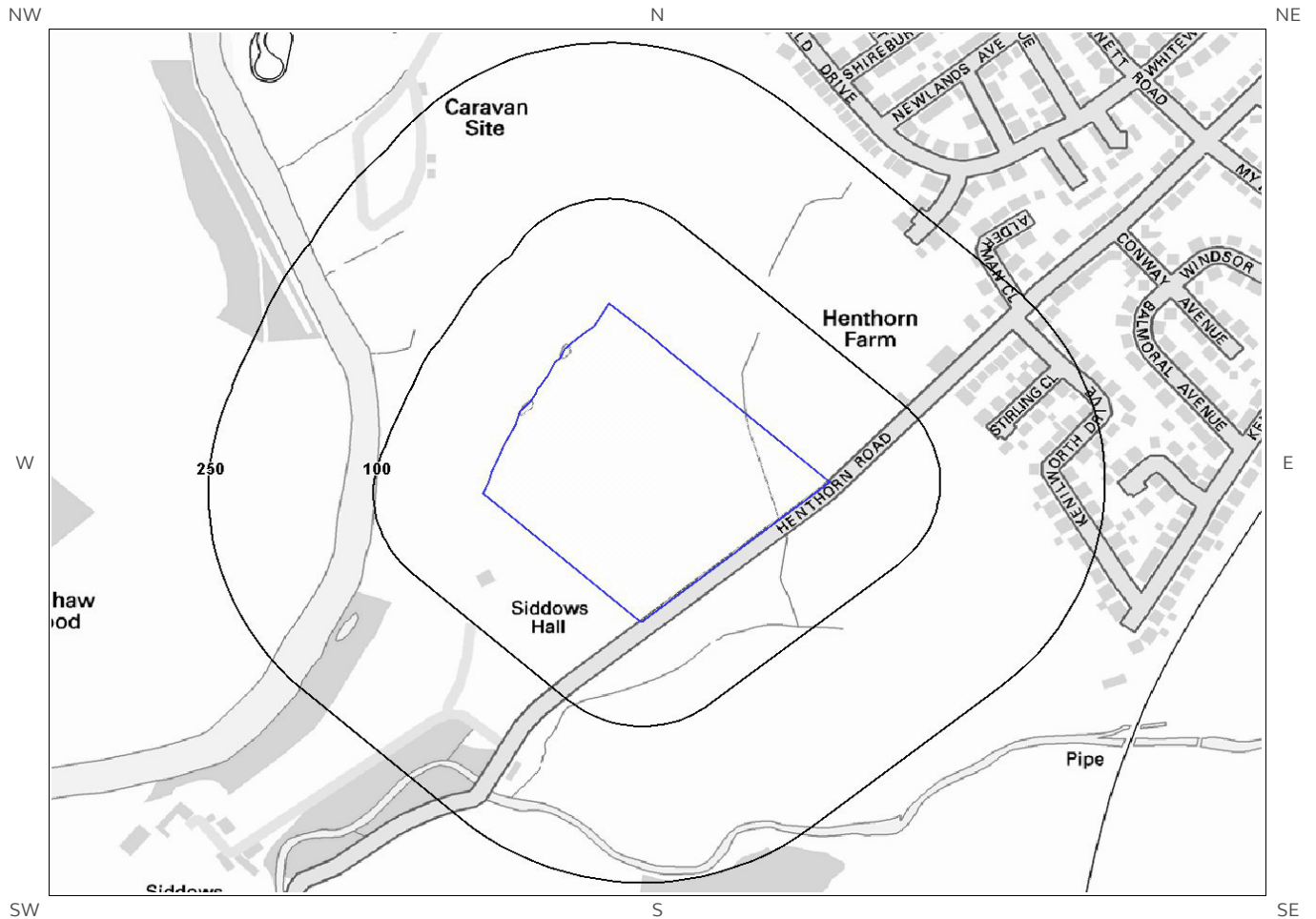
5

For further information on how this data is calculated and limitations upon its use, please see the Groundsure Geo Insight User Guide, available on request.

Distance (m)	Direction	Sample Type	Arsenic (As)	Cadmium (Cd)	Chromium (Cr)	Nickel (Ni)	Lead (Pb)
0.0	On Site	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	<15 mg/kg	<1.8 mg/kg	40 - 60 mg/kg	15 - 30 mg/kg	100 - 200 mg/kg
0.0	On Site	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	100 - 200 mg/kg
11.0	N	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
11.0	N	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg

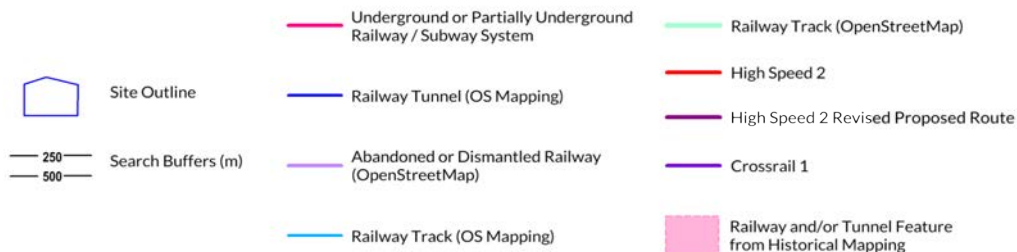
*As this data is based upon underlying 1:50,000 scale geological information, a 50m buffer has been added to the search radius.

9 Railways and Tunnels map



Railways and Tunnels Legend

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9 Railways and Tunnels

9.1 Tunnels

This data is derived from OpenStreetMap and provides information on the possible locations of underground railway systems in the UK - the London Underground, the Tyne & Wear Metro and the Glasgow Subway.

Have any underground railway lines been identified within the study site boundary? No

Have any underground railway lines been identified within 250m of the study site boundary? No

Database searched and no data found.

Any records that have been identified are represented on the Railways and Tunnels map.

This data is derived from Ordnance Survey mapping and provides information on the possible locations of railway tunnels forming part of the UK overground railway network.

Have any other railway tunnels been identified within the site boundary? No

Have any other railway tunnels been identified within 250m of the site boundary? No

Database searched and no data found.

Any records that have been identified are represented on the Railways and Tunnels map.

9.2 Historical Railway and Tunnel Features

This data is derived from Groundsure's unique Historical Land-use Database and contains features relating to tunnels, railway tracks or associated works that have been identified from historical Ordnance Survey mapping.

Have any historical railway or tunnel features been identified within the study site boundary? No

Have any historical railway or tunnel features been identified within 250m of the study site boundary? No

Database searched and no data found.

Any records that have been identified are represented on the Railways and Tunnels map.

9.3 Historical Railways

This data is derived from OpenStreetMap and provides information on the possible alignments of abandoned or dismantled railway lines in proximity to the study site.

Have any historical railway lines been identified within the study site boundary? No

Have any historical railway lines been identified within 250m of the study site boundary? No

Database searched and no data found.

Multiple sections of the same track may be listed in the detail above
Any records that have been identified are represented on the Railways and Tunnels map.

9.4 Active Railways

These datasets are derived from Ordnance Survey mapping and OpenStreetMap and provide information on the possible locations of active railway lines in proximity to the study site.

Have any active railway lines been identified within the study site boundary? No

Have any active railway lines been identified within 250m of the study site boundary? No

Database searched and no data found.

Multiple sections of the same track may be listed in the detail above
Any records that have been identified are represented on the Railways and Tunnels map.

9.5 Railway Projects

These datasets provide information on the location of large scale railway projects High Speed 2 and Crossrail 1 .

Is the study site within 5km of the route of the High Speed 2 rail project? No

Is the study site within 500m of the route of the Crossrail 1 rail project? No

Further information on proximity to these routes, the project construction status and associated works can be obtained through the purchase of a Groundsure HS2 and Crossrail 1 Report.

The route data has been digitised from publicly available maps by Groundsure. The route as provided relates to the Crossrail 1 project only, and does not include any details of the Crossrail 2 project, as final details of the route for Crossrail 2 are still under consultation.

Please note that this assessment takes account of both the original Phase 2b proposed route and the amended route proposed in 2016. As the Phase 2b route is still under consultation, Groundsure are providing information on both options until the final route is formally confirmed. Practitioners should take account of this uncertainty when advising clients.

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Standard Terms and Conditions

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<https://www.groundsure.com/terms-and-conditions-may25-2018>



EmapSite

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

Groundsure
Reference:

EMS-481313_645770

Your Reference:

EMS_481313_645770

Report Date

31 May 2018

Report Delivery
Method:

Email - pdf

Enviro Insight

Address: Henthorn Road, Clitheroe , BB7 3BY,

Dear Sir/ Madam,

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

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

Yours faithfully,

emapsite customer services team

Enc.

Groundsure Enviroinsight

Address: Henthorn Road, Clitheroe , BB7 3BY,

Date: 31 May 2018

Reference: EMS-481313_645770

Client: EmapSite

NW

N

NE

W

E



SW

S

SE

Aerial Photograph Capture date: 08-Apr-2017

Grid Reference: 372936,440830

Site Size: 5.01ha

Report Reference: EMS-481313_645770

Client Reference: EMS_481313_645770

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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	0	0	11	43
1.2 Additional Information – Historical Tank Database	0	0	0	22
1.3 Additional Information – Historical Energy Features Database	0	0	0	19
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	0
1.6 Potentially Infilled Land	0	0	11	26
Section 2: Environmental Permits, Incidents and Registers	On-site	0-50m	51-250	251-500
2.1 Industrial Sites Holding Environmental Permits and/or Authorisations				
2.1.1 Records of historic IPC Authorisations	0	0	0	0
2.1.2 Records of Part A(1) and IPPC Authorised Activities	0	0	0	0
2.1.3 Records of Red List Discharge Consents	0	0	0	0
2.1.4 Records of List 1 Dangerous Substances Inventory sites	0	0	0	0
2.1.5 Records of List 2 Dangerous Substances Inventory sites	0	0	0	0
2.1.6 Records of Part A(2) and Part B Activities and Enforcements	0	0	0	0
2.1.7 Records of Category 3 or 4 Radioactive Substances Authorisations	0	0	0	0
2.1.8 Records of Licensed Discharge Consents	0	0	6	8
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	7	5
2.3.2 National Incidents Recording System, List 1	0	0	0	0
2.4 Sites Determined as Contaminated Land under Part 2A EPA 1990	0	0	0	0

Section 3: Landfill and Other Waste Sites	On-site	0-50m	51-250	251-500	501-1000	1000-1500
3.1 Landfill Sites						
3.1.1 Environment Agency/Natural Resources Wales Registered Landfill Sites	0	0	0	1	0	Not searched
3.1.2 Environment Agency/Natural Resources Wales Historic Landfill Sites	0	0	0	1	2	0
3.1.3 BGS/DoE Landfill Site Survey	0	0	0	0	1	0
3.1.4 Records of Landfills in Local Authority and Historical Mapping Records	0	0	0	0	1	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	5	Not searched	Not searched
3.2.2 Environment Agency/Natural Resources Wales Licensed Waste Sites	0	0	0	3	9	0

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

Section 5: Geology	
5.1 Records of Artificial Ground and Made Ground present beneath the study site	None identified
5.2 Records of Superficial Ground and Drift Geology present beneath the study site	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	6	6
6.5 Potable Water Abstraction Licences (within 2000m of the study site)	0	0	0	0	0	0
6.6 Source Protection Zones (within 500m of the study site)	0	0	0	0	Not searched	Not searched
6.7 Source Protection Zones within Confined Aquifer	0	0	0	0	Not searched	Not searched
6.8 Groundwater Vulnerability and Soil Leaching Potential (within 500m of the study site)	1	0	1	0	Not searched	Not searched

Section 6: Hydrogeology and Hydrology

0-500m

	On-site	0-50m	51-250	251-500	501-1000	1000-1500
6.9 Environment Agency/Natural Resources Wales information on river quality within 1500m of the study site	No	No	No	No	Yes	No
6.10 Ordnance Survey MasterMap Water Network entries within 500m of the site	2	0	36	18	Not searched	Not searched
6.11 Surface water features within 250m of the study site	Yes	Yes	Yes	Not searched	Not searched	Not searched

Section 7: Flooding

7.1 Environment Agency Zone 2 floodplains within 250m of the study site	Identified					
7.2 Environment Agency/Natural Resources Wales Zone 3 floodplains within 250m of the study site	Identified					
7.3 Risk of flooding from Rivers and the Sea (RoFRaS) rating for the study site	Very Low					
7.4 Flood Defences within 250m of the study site	None identified					
7.5 Areas benefiting from Flood Defences within 250m of the study site	None identified					
7.6 Areas used for Flood Storage within 250m of the study site	None identified					
7.7 Maximum BGS Groundwater Flooding susceptibility within 50m of the study site	Potential at Surface					
7.8 BGS confidence rating for the Groundwater Flooding susceptibility areas	High					

Section 8: Designated Environmentally Sensitive Sites

	On-site	0-50m	51-250	251-500	501-1000	1000-2000
8.1 Records of Sites of Special Scientific Interest (SSSI)	0	0	0	0	0	0
8.2 Records of National Nature Reserves (NNR)	0	0	0	0	0	0
8.3 Records of Special Areas of Conservation (SAC)	0	0	0	0	0	0
8.4 Records of Special Protection Areas (SPA)	0	0	0	0	0	0
8.5 Records of Ramsar sites	0	0	0	0	0	0
8.6 Records of Ancient Woodlands	0	0	0	0	1	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	2
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	0

Section 9: Natural Hazards	
9.1 Maximum risk of natural ground subsidence	Very Low
9.1.1 Maximum Shrink-Swell hazard rating identified on the study site	Very Low
9.1.2 Maximum Landslides hazard rating identified on the study site	Very Low
9.1.3 Maximum Soluble Rocks hazard rating identified on the study site	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	Very Low
9.1.6 Maximum Running Sand hazard rating identified on the study site	Very Low
9.2 Radon	
9.2.1 Is the property in a Radon Affected Area as defined by the Health Protection Agency (HPA) and if so what percentage of homes are above the Action Level?	The site is in a Radon Affected Area, as between 1 and 3% of properties are above the Action Level.
9.2.2 Is the property in an area where Radon Protection are required for new properties or extensions to existing ones as described in publication BR211 by the Building Research Establishment?	No radon protective measures are necessary.

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

Using this report

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

1. Historical Industrial Sites

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

2. Environmental Permits, Incidents and Registers

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

3. Landfills and Other Waste Sites

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

4. Current Land Uses

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

5. Geology

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

6. Hydrogeology and Hydrology

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

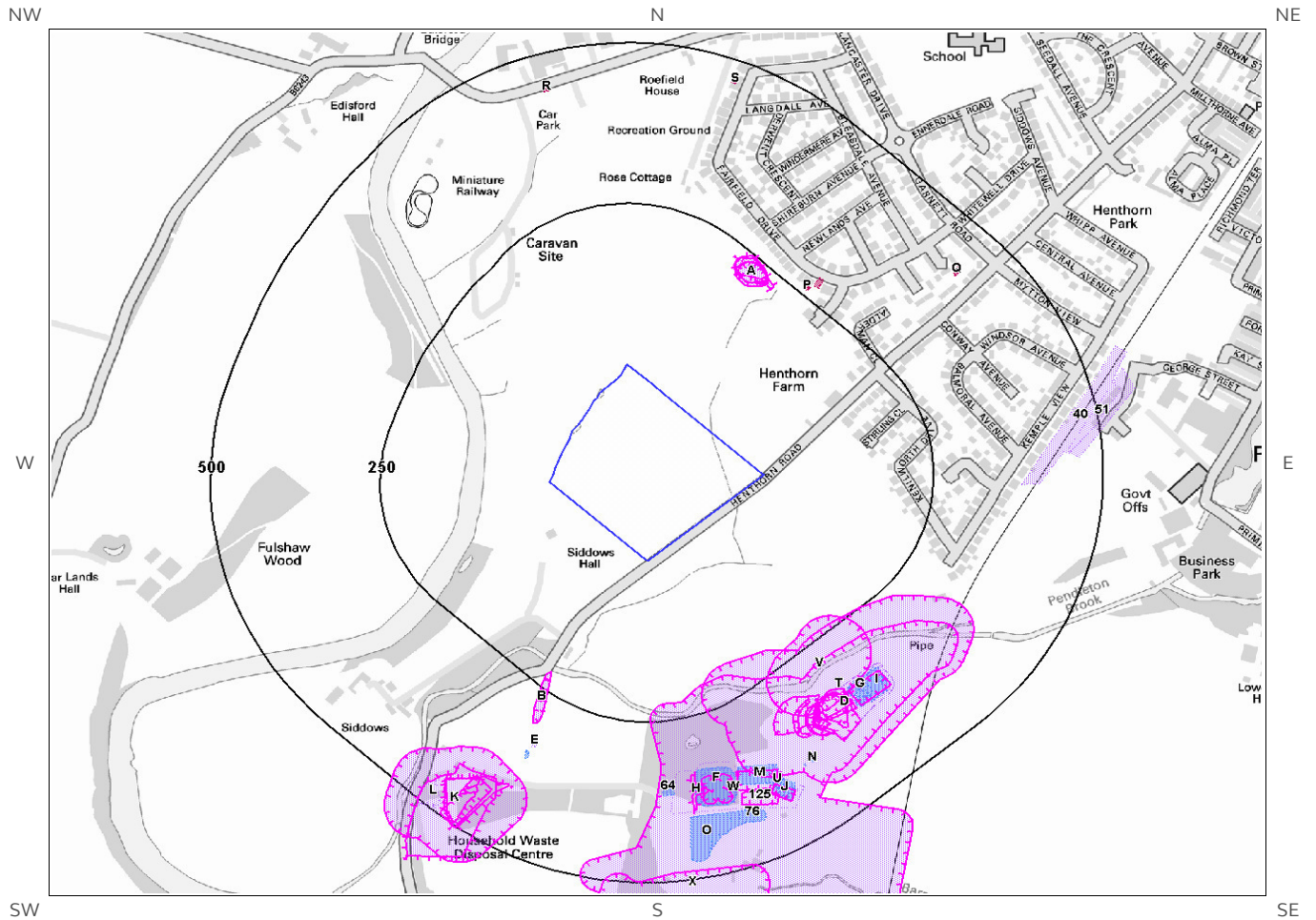
Note: Maps

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



Site Outline

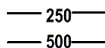


Industrial Land Use



Potentially Infilled Land

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



Search Buffers (m)



Energy Features



Petrol Stations



Tanks



Garages

1. Historical Industrial Sites

1.1 Potentially Contaminative Uses identified from 1:10,000 scale Mapping

The systematic analysis of data extracted from standard 1:10,560 and 1:10,000 scale historical maps provides the following information:

Records of sites with a potentially contaminative past land use within 500m of the search boundary: 54

ID	Distance [m]	Direction	Use	Date
1T	195	SE	Sewage Works	1971
2A	206	NE	Unspecified Pit	1930
3A	206	NE	Unspecified Pit	1938
4A	206	NE	Unspecified Pit	1910
5U	208	SE	Sewage Farm	1955
6A	210	NE	Unspecified Pit	1955
7A	211	NE	Unspecified Old Quarry	1911
8A	215	NE	Shale Tip	1846
9V	222	SE	Unspecified Heap	1911
10B	224	SW	Unspecified Heap	1938
11B	224	SW	Unspecified Heap	1930
12D	315	SE	Unspecified Commercial/Industrial	1930
13C	315	SE	Unspecified Ground Workings	1938
14C	315	SE	Unspecified Ground Workings	1930
15D	315	SE	Unspecified Commercial/Industrial	1938
16E	323	SW	Unspecified Tank	1910
17E	323	SW	Unspecified Tank	1930
18E	323	SW	Unspecified Tank	1938
19D	324	SE	Unspecified Heap	1971
20F	325	S	Unspecified Tanks	1971
21D	325	SE	Unspecified Commercial/Industrial	1910
22D	325	SE	Unspecified Heap	1930
23D	325	SE	Unspecified Heap	1938
24D	328	SE	Unspecified Heap	1955
25D	328	SE	Filter Beds	1910
26G	328	SE	Unspecified Tanks	1971
27F	330	S	Unspecified Commercial/Industrial	1930
28W	330	S	Unspecified Commercial/Industrial	1938
29G	336	SE	Unspecified Tanks	1930
30G	336	SE	Unspecified Tanks	1938

31I	337	SE	Unspecified Tanks	1955
32G	339	SE	Unspecified Tanks	1955
33H	339	S	Unspecified Ground Workings	1938
34H	339	S	Unspecified Ground Workings	1930
35G	341	SE	Filter Beds	1911
36F	342	S	Unspecified Tanks	1955
37G	347	SE	Unspecified Tanks	1910
38I	359	SE	Unspecified Tanks	1910
39K	375	SW	Refuse Destructor	1955
40	380	E	Railway Sidings	1911
41J	393	SE	Unspecified Tanks	1938
42J	393	SE	Unspecified Tanks	1930
43J	394	SE	Filter Beds	1910
44J	395	SE	Unspecified Tanks	1955
45K	403	SW	Mill Pond	1911
46K	406	SW	Refuse Destructor	1938
47K	406	SW	Refuse Destructor	1930
48J	416	SE	Unspecified Tanks	1910
49K	417	SW	Sewage Works	1971
50K	419	SW	Mill Pond	1846
51	448	E	Railway Sidings	1955
52L	451	SW	Corn Mill	1846
53L	466	SW	Unspecified Mill	1911
54X	486	S	Sewage Farm	1932

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:

22

ID	Distance (m)	Direction	Use	Date
55F	332	S	Tanks	1995
56F	333	S	Tanks	1997
57G	334	SE	Settling Tanks	1964
58G	334	SE	Tanks	1977
59G	336	SE	Unspecified Tank	1932
60G	338	SE	Tanks	1932
61G	344	SE	Tanks	1912
62E	344	SW	Unspecified Tank	1912
63E	344	SW	Unspecified Tank	1932

64	346	S	Settling Tank	1964
65M	346	S	Settling Tanks	1964
66M	346	S	Settling Tanks	1977
67G	357	SE	Unspecified Tank	1932
68I	358	SE	Unspecified Tank	1912
69J	391	SE	Tanks	1932
70J	391	SE	Tanks	1912
71N	391	SE	Tanks	1977
72N	391	SE	Tanks	1977
73J	393	SE	Settling Tanks	1977
74O	404	S	Tanks	1997
75O	404	S	Tanks	1995
76	412	S	Tanks	1997

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:

19

ID	Distance (m)	Direction	Use	Date
77P	258	NE	Electricity Substation	1983
78P	258	NE	Electricity Substation	1983
79P	260	NE	Electricity Substation	1995
80P	260	NE	Electricity Substation	1996
81P	271	NE	Electricity Substation	1976
82Q	418	NE	Electricity Substation	1983
83Q	418	NE	Electricity Substation	1983
84Q	419	NE	Electricity Substation	1976
85Q	420	NE	Electricity Substation	1995
86Q	420	NE	Electricity Substation	1996
87R	441	N	Electricity Substation	1997
88R	442	N	Electricity Substation	1976
89R	443	N	Electricity Substation	1980
90R	443	N	Electricity Substation	1980
91S	464	N	Electricity Substation	1976
92S	464	N	Electricity Substation	1983
93S	464	N	Electricity Substation	1983
94S	467	N	Electricity Substation	1996
95S	467	N	Electricity Substation	1995

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: 0

Database searched and no data found.

1.6 Potentially Infilled Land

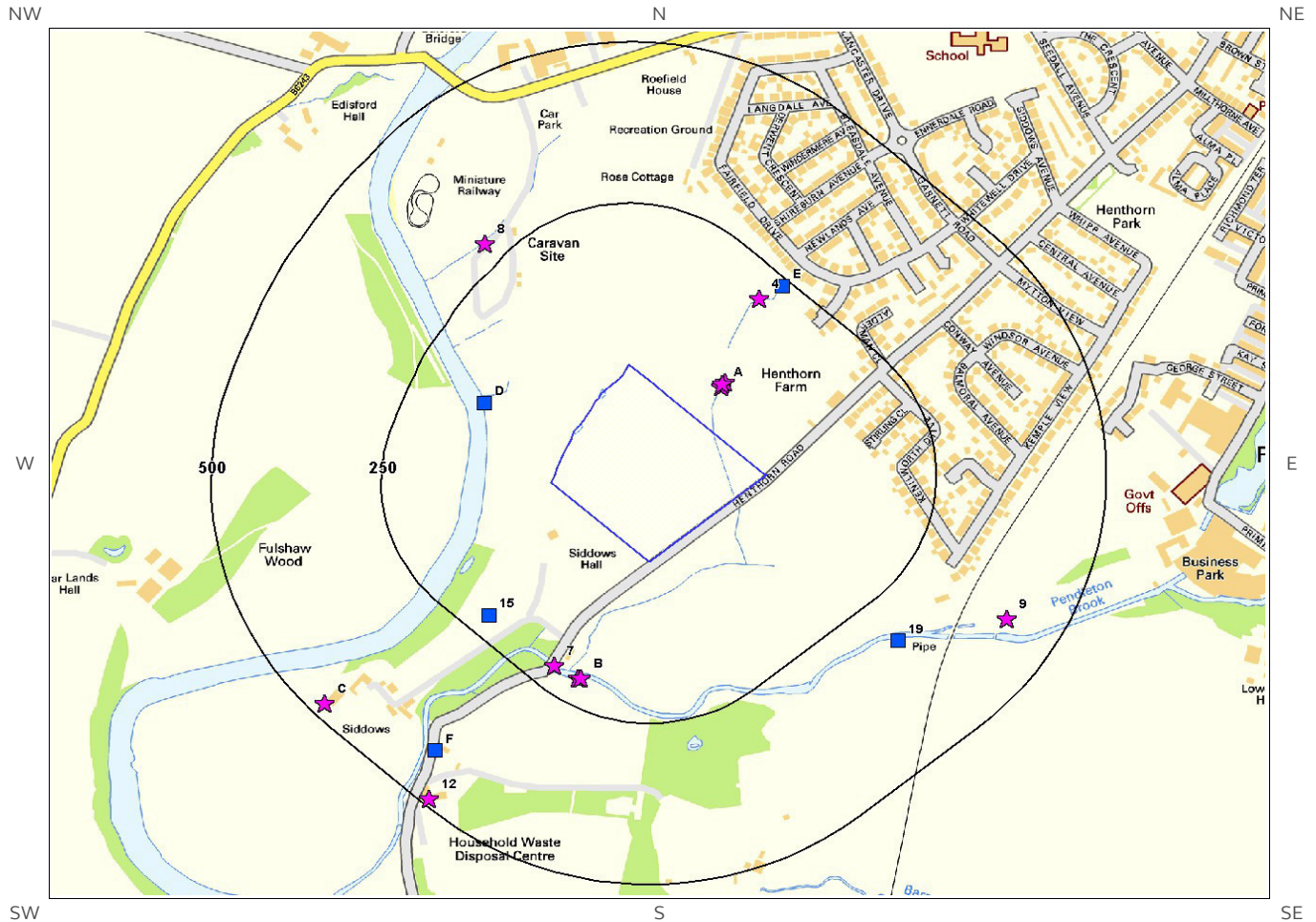
Records of Potentially Infilled Features from 1:10,000 scale mapping within 500m of the study site: 37

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

ID	Distance(m)	Direction	Use	Date
96T	195	SE	Sewage Works	1971
97A	206	NE	Unspecified Pit	1930
98A	206	NE	Unspecified Pit	1910
99A	206	NE	Unspecified Pit	1938
100U	208	SE	Sewage Farm	1955
101A	210	NE	Unspecified Pit	1955
102A	211	NE	Unspecified Old Quarry	1911
103A	215	NE	Shale Tip	1846
104V	222	SE	Unspecified Heap	1911
105B	224	SW	Unspecified Heap	1938
106B	224	SW	Unspecified Heap	1930
107C	297	SE	Ponds	1971
108C	315	SE	Unspecified Ground Workings	1930
109C	315	SE	Unspecified Ground Workings	1938
110D	324	SE	Unspecified Heap	1971
111D	325	SE	Unspecified Heap	1938
112D	325	SE	Unspecified Heap	1930
113C	326	SE	Pond	1938
114C	326	SE	Pond	1930

115D	328	SE	Unspecified Heap	1955
116C	328	SE	Pond	1955
117D	328	SE	Filter Beds	1910
118F	339	S	Unspecified Ground Workings	1938
119F	339	S	Unspecified Ground Workings	1930
120G	341	SE	Filter Beds	1911
121F	346	S	Pond	1930
122F	346	S	Pond	1938
123W	353	S	Ponds	1955
124K	375	SW	Refuse Destructor	1955
125	386	S	Ponds	1955
126J	394	SE	Filter Beds	1910
127K	403	SW	Mill Pond	1911
128K	406	SW	Refuse Destructor	1938
129K	406	SW	Refuse Destructor	1930
130K	417	SW	Sewage Works	1971
131K	419	SW	Mill Pond	1846
132X	486	S	Sewage Farm	1932

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:

14

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

ID	Distance (m)	Direction	NGR	Details
13D	139	W	372693 440929	Address: RIBBLE MEADOWS, RIBBLE MEADOWS DEVELOPMENT, HENTHORN ROAD, CLITHEROE, LANCASHIRE, BB7 2QF Effluent Type: TRADE DISCHARGES - SITE DRAINAGE Permit Number: EPRDB3997WR Permit Version: 1 Receiving Water: THE RIVER RIBBLE Status: SURRENDERED UNDER EPR 2010 Issue date: 25/05/2016 Effective Date: 25-May-2016 Revocation Date: 21/06/2017
14D	139	W	372693 440929	Address: RIBBLE MEADOWS, RIBBLE MEADOWS DEVELOPMENT, HENTHORN ROAD, CLITHEROE, LANCASHIRE, BB7 2QF Effluent Type: TRADE DISCHARGES - SITE DRAINAGE Permit Number: EPRDB3997WR Permit Version: 1 Receiving Water: THE RIVER RIBBLE Status: SURRENDERED UNDER EPR 2010 Issue date: 25/05/2016 Effective Date: 25-May-2016 Revocation Date: 21/06/2017
15	216	SW	372700 440600	Address: NORTH WEST HENTHORN RD EO, NORTH WEST HENTHORN ROAD, BRIDGE HENTH, RIBBLE VALLEY, LANCASHIRE Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 017160099 Permit Version: 1 Receiving Water: PENDLETON BROOK Status: PRE NRA LEGISLATION WHERE ISSUE DATE < 01-SEP-89 (HISTORIC ONLY) Issue date: - Effective Date: 07-Sep-1983 Revocation Date: -
16E	238	NE	373130 441110	Address: ADJ POLICE STATION KING STREET CSO, KING STREET, CLITHEROE, LANCASHIRE, BB7 2EU Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01RIB0002 Permit Version: 1 Receiving Water: S.W. SYS(DUAL MH) Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: - Effective Date: 01-Jan-1995 Revocation Date: 13/04/2009

ID	Distance (m)	Direction	NGR	Details	
17E	238	NE	373130 441110	Address: ADJ POLICE STATION KING STREET CSO, KING STREET, CLITHEROE, LANCASHIRE, BB7 2EU Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01RIB0002 Permit Version: 2	Receiving Water: S.W. SYS(DUAL MH) Status: VARIED UNDER EPR 2010 Issue date: 14/04/2009 Effective Date: 14-Apr-2009 Revocation Date: 04/02/2016
18E	238	NE	373130 441110	Address: ADJ POLICE STATION KING STREET CSO, KING STREET, CLITHEROE, LANCASHIRE, BB7 2EU Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01RIB0002 Permit Version: 3	Receiving Water: UNNAMED TRIB PENDLETON BROOK Status: VARIED UNDER EPR 2010 Issue date: 05/02/2016 Effective Date: 05-Feb-2016 Revocation Date: -
19	321	SE	373300 440560	Address: STORM OVERFLOW NEAR CLITHEROE STW, CLITHEROE, LANCASHIRE Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: 017160177 Permit Version: 1	Receiving Water: PENDLETON BROOK Status: PRE NRA LEGISLATION WHERE ISSUE DATE < 01-SEP-89 (HISTORIC ONLY) Issue date: - Effective Date: 28-Jun-1985 Revocation Date: -
20F	427	SW	372620 440390	Address: CLITHEROE STW, HENTHORN ROAD, CLITHEROE, LANCASHIRE Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: 017160033 Permit Version: 2	Receiving Water: BARROW CLOUGH Status: PRE NRA LEGISLATION WHERE ISSUE DATE < 01-SEP-89 (HISTORIC ONLY) Issue date: - Effective Date: 31-Jan-1985 Revocation Date: 19/12/2000
21F	427	SW	372620 440390	Address: CLITHEROE STW, HENTHORN ROAD, CLITHEROE, LANCASHIRE Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: 017160033 Permit Version: 5	Receiving Water: BARROW CLOUGH Status: CONSENT CURRENTLY UNDER APPEAL Issue date: 14/10/2008 Effective Date: 01-Jan-2010 Revocation Date: 31/03/2010
22F	427	SW	372620 440390	Address: CLITHEROE STW, HENTHORN ROAD, CLITHEROE, LANCASHIRE Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: 017160033 Permit Version: 6	Receiving Water: BARROW CLOUGH Status: CONSENT CURRENTLY UNDER APPEAL Issue date: 01/04/2010 Effective Date: 01-Apr-2010 Revocation Date: 29/11/2010
23F	427	SW	372620 440390	Address: CLITHEROE STW, HENTHORN ROAD, CLITHEROE, LANCASHIRE Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: 017160033 Permit Version: 7	Receiving Water: BARROW CLOUGH Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 30/11/2010 Effective Date: 30-Nov-2010 Revocation Date: -
24F	427	SW	372620 440390	Address: CLITHEROE STW, HENTHORN ROAD, CLITHEROE, LANCASHIRE Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: 017160033 Permit Version: 3	Receiving Water: BARROW CLOUGH Status: CONSENT REVOKED OR REVISED - NEW CONSENT ISSUED (37(1)) Issue date: 20/12/2000 Effective Date: 20-Dec-2000 Revocation Date: 23/03/2005

ID	Distance (m)	Direction	NGR	Details	
25F	427	SW	372620 440390	Address: CLITHEROE STW, HENTHORN ROAD, CLITHEROE, LANCASHIRE Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: 017160033 Permit Version: 4	Receiving Water: BARROW CLOUGH Status: CONSENT CURRENTLY UNDER APPEAL Issue date: 24/03/2005 Effective Date: 24-Mar-2005 Revocation Date: 31/12/2009
26F	427	SW	372620 440390	Address: CLITHEROE STW, HENTHORN ROAD, CLITHEROE, LANCASHIRE Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: 017160033 Permit Version: 1	Receiving Water: BARROW CLOUGH Status: REVOKED - UNSPECIFIED Issue date: - Effective Date: 19-Oct-1979 Revocation Date: 30/01/1985

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:

12

The following NIRS List 2 records are represented as points on the Environmental Permits, Incidents and Registers Map:

ID	Distance (m)	Direction	NGR	Details
1A	60	NE	373040 440954	Incident Date: 28-Apr-2010 Incident Identification: 775047 Pollutant: Sewage Materials Pollutant Description: Crude Sewage Water Impact: Category 2 (Significant) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
2A	65	NE	373041 440959	Incident Date: 18-Nov-2013 Incident Identification: 1176935 Pollutant: Contaminated Water Pollutant Description: Suspended Solids Water Impact: Category 2 (Significant) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
3A	69	NE	373045 440961	Incident Date: 24-Jul-2006 Incident Identification: 420315 Pollutant: Sewage Materials Pollutant Description: Crude Sewage Water Impact: Category 2 (Significant) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
4	200	NE	373095 441091	Incident Date: 23-Jan-2014 Incident Identification: 1197274 Pollutant: Contaminated Water Pollutant Description: Suspended Solids Water Impact: Category 2 (Significant) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
5B	208	SW	372833 440502	Incident Date: 16-Jul-2002 Incident Identification: 92115 Pollutant: Inert Materials and Wastes Pollutant Description: Soils and Clay Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
6B	210	SW	372829 440502	Incident Date: 16-May-2003 Incident Identification: 158828 Pollutant: Contaminated Water Pollutant Description: Suspended Solids Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
7	214	SW	372794 440522	Incident Date: 25-Jul-2003 Incident Identification: 176688 Pollutant: Inert Materials and Wastes Pollutant Description: Soils and Clay Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
8	284	NW	372692 441176	Incident Date: 16-Apr-2003 Incident Identification: 151721 Pollutant: Pollutant Not Identified Pollutant Description: Not Identified Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
9	417	SE	373460 440595	Incident Date: 05-Aug-2003 Incident Identification: 179200 Pollutant: Sewage Materials Pollutant Description: Crude Sewage Water Impact: Category 3 (Minor) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
10C	479	SW	372457 440464	Incident Date: 21-Oct-2008 Incident Identification: 630059 Pollutant: Inert Materials and Wastes Pollutant Description: Construction and Demolition Materials and Wastes Water Impact: Category 4 (No Impact) Land Impact: Category 2 (Significant) Air Impact: Category 4 (No Impact)
11C	479	SW	372457 440464	Incident Date: 21-Oct-2008 Incident Identification: 630059 Pollutant: Specific Waste Materials Pollutant Description: Household Waste Water Impact: Category 4 (No Impact) Land Impact: Category 2 (Significant) Air Impact: Category 4 (No Impact)
12	490	SW	372611 440315	Incident Date: 08-Jul-2002 Incident Identification: 89873 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Smoke Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)

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.