



Earth Environmental & Geotechnical Ltd
334 ASHBOURNE BUSINESS CENTRE LTD,
WELLINGTON ROAD NORTH,
STOCKPORT, SK4 5DA

Groundsure Reference: GS-6449134
Your Reference: A3274_Old_Market_Street
Report Date 7 Nov 2019
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Enviro Insight

Address: 14, OLD MARKET STREET, MANCHESTER, M9 8DY

Dear Sir/ Madam,

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

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

Yours faithfully,

Managing Director
Groundsure Limited

Enc.
Groundsure Enviroinsight

Address: 14, OLD MARKET STREET, MANCHESTER, M9 8DY

Date: 7 Nov 2019

Reference: GS-6449134

Client: Earth Environmental & Geotechnical Ltd

NW

N

NE

W

E



SW

S

SE

Aerial Photograph Capture date: 11-Jun-2015

Grid Reference: 385634,402924

Site Size: 0.0495ha

Report Reference: GS-6449134

Client Reference: A3274_Old_Market_Street

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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	4	5	39	109
1.2 Additional Information – Historical Tank Database	0	1	3	85
1.3 Additional Information – Historical Energy Features Database	0	0	14	22
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	1	1	6
1.6 Historical military sites	0	0	0	0
1.7 Potentially Infilled Land	0	3	26	100
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	1
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	1
2.1.7 Records of Category 3 or 4 Radioactive Substances Authorisations	0	0	0	6
2.1.8 Records of Licensed Discharge Consents	0	0	10	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	4	0
2.3.2 National Incidents Recording System, List 1	0	0	0	0
2.4 Sites Determined as Contaminated Land under Part 2A EPA 1990	0	0	0	0

Section 3: Landfill and Other Waste Sites	On-site	0-50m	51-250	251-500	501-1000	1000-1500
3.1 Landfill Sites						
3.1.1 Environment Agency/Natural Resources Wales Registered Landfill Sites	0	0	0	0	0	Not searched
3.1.2 Environment Agency/Natural Resources Wales Historic Landfill Sites	0	0	1	2	2	5
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	16	2
3.2 Landfill and Other Waste Sites Findings						
3.2.1 Operational and Non-Operational Waste Treatment, Transfer and Disposal Sites	0	0	0	9	Not searched	Not searched
3.2.2 Environment Agency/Natural Resources Wales Licensed Waste Sites	0	0	0	0	0	0

Section 4: Current Land Use	On-site	0-50m	51-250	251-500
4.1 Current Industrial Sites Data	0	0	11	Not searched
4.2 Records of Petrol and Fuel Sites	0	0	0	1
4.3 National Grid Underground Electricity Cables	0	0	0	0
4.4 National Grid Gas Transmission Pipelines	0	0	0	0

Section 5: Geology	
5.1 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	8	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	2	0	Not searched	Not searched

Section 6: Hydrogeology and Hydrology

0-500m

	On-site	0-50m	51-250	251-500	501-1000	1000-1500
6.9 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	0	4	20	34	Not searched	Not searched
6.11 Surface water features within 250m of the study site	No	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	1	1	0
8.7 Records of Local Nature Reserves (LNR)	0	0	0	1	0	3
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	1	0	0	0	0	2
8.14 Records of Green Belt land	0	0	0	0	0	0

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

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

Using this report

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

1. Historical Industrial Sites

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

2. Environmental Permits, Incidents and Registers

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

3. Landfills and Other Waste Sites

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

4. Current Land Uses

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

5. Geology

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

6. Hydrogeology and Hydrology

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

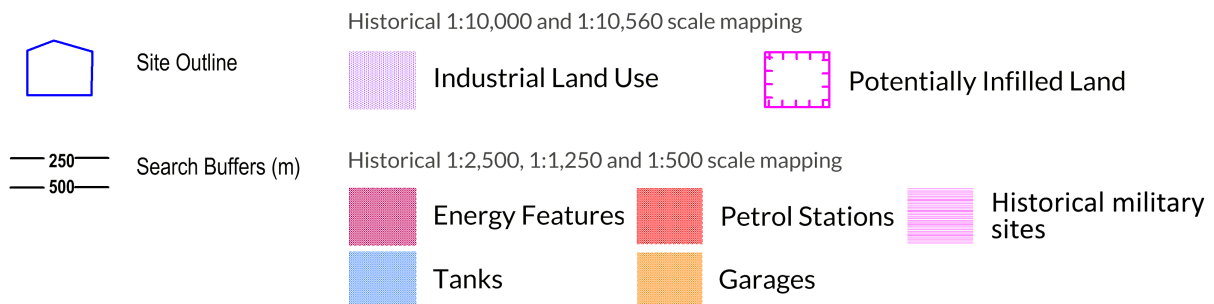
Where a feature is reported in the data tables to a distance greater than the map area, it is noted in the data table as "Not Shown".

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: 157

ID	Distance [m]	Direction	Use	Date
1A	0	On Site	Unspecified Mills	1923
2	0	On Site	Smithy	1923
3BQ	0	On Site	Print Works	1851
4A	0	On Site	Unspecified Mills	1891
5A	9	N	Unspecified Mills	1915
6A	16	N	Unspecified Works	1980
7	17	NE	Unspecified Works	1988
8A	30	NE	Unspecified Tank	1891
9BR	42	S	Unspecified Ground Workings	1906
10AL	59	NW	Unspecified Works	1975
11B	102	S	Unspecified Ground Workings	1956
12B	102	S	Unspecified Ground Workings	1966
13	154	NE	Field Works	1938
14C	158	NE	Field Works	1891
15C	162	NE	Unspecified Disused Works	1923
16D	164	NE	Field Works	1933
17D	167	NE	Disused Field Works	1915
18E	171	NE	Unspecified Pit	1933
19E	171	NE	Unspecified Pit	1915
20E	171	NE	Unspecified Ground Workings	1906
21F	175	NE	Unspecified Works	1975
22E	178	NE	Refuse Heap	1956
23BS	180	S	Unspecified Ground Workings	1906
24CA	180	NE	Unspecified Disused Works	1906
25C	182	NE	Unspecified Ground Workings	1975
26C	182	NE	Unspecified Ground Workings	1966
27C	183	NE	Unspecified Pit	1988
28C	183	NE	Unspecified Pit	1980

29BT	184	NE	Unspecified Ground Workings	1956
30F	185	NE	Bleach Works	1851
31G	189	NW	Steel Works	1906
32G	189	NW	Engraving Works	1915
33I	210	W	Unspecified Mills	1938
34J	211	NW	Engraving Works	1923
35H	220	SE	Unspecified Heap	1980
36L	221	NW	Unspecified Ground Workings	1956
37H	223	SE	Unspecified Heap	1988
38	223	N	Engraving Works	1906
39I	231	W	Unspecified Mills	1923
40J	232	NW	Unspecified Ground Workings	1906
41I	234	W	Unspecified Mills	1956
42K	235	W	Unspecified Works	1975
43K	235	W	Unspecified Works	1980
44K	236	W	Unspecified Mills	1915
45K	236	W	Unspecified Mills	1933
46K	238	W	Unspecified Works	1966
47K	238	W	Unspecified Mill	1988
48L	245	NW	Engraving Works	1933
49	265	N	Unspecified Mills	1891
50O	268	W	Unspecified Works	1975
51BX	291	SE	Unspecified Ground Workings	1906
52CC	299	W	Chemical Works	1891
53	301	NW	Steel Works	1891
54BZ	313	S	Mill Pond	1891
55N	323	NE	Unspecified Heap	1923
56M	325	NE	Unspecified Works	1938
57M	325	NE	Refuse Heap	1956
58M	325	NE	Refuse Heap	1966
59N	329	NE	Unspecified Ground Workings	1906
60CB	329	NE	Unspecified Heap	1915
61N	330	NE	Unspecified Heap	1933
62O	331	W	Unspecified Heap	1975
63P	342	E	Cuttings	1923
64P	345	E	Cuttings	1915
65CE	357	E	Cuttings	1933
66Q	364	SW	Unspecified Commercial/Industrial	1933
67Q	364	SW	Unspecified Commercial/Industrial	1915
68R	368	SE	Unspecified Pit	1891
69Q	369	SW	Unspecified	1938

Commercial/Industrial				
70CF	369	W	Refuse Heap	1956
71Q	370	SW	Unspecified Works	1923
72R	371	E	Unspecified Pit	1923
73S	371	NE	Unspecified Pit	1938
74R	372	E	Unspecified Ground Workings	1956
75CG	372	NE	Unspecified Ground Workings	1975
76R	373	E	Unspecified Pit	1915
77R	373	E	Unspecified Pit	1906
78S	375	NE	Refuse Heaps	1933
79T	377	SW	Unspecified Commercial/Industrial	1975
80T	377	SW	Unspecified Commercial/Industrial	1980
81T	377	SW	Unspecified Commercial/Industrial	1966
82	380	SW	Unspecified Commercial/Industrial	1956
83U	381	NW	Unspecified Ground Workings	1975
84U	381	NW	Unspecified Ground Workings	1966
85U	381	NW	Unspecified Ground Workings	1956
86U	381	NW	Unspecified Ground Workings	1988
87U	381	NW	Unspecified Ground Workings	1980
88R	384	E	Unspecified Ground Workings	1933
89P	385	E	Cuttings	1938
90T	389	SW	Unspecified Commercial/Industrial	1938
91CJ	389	NE	Unspecified Ground Workings	1933
92	389	SW	Unspecified Works	1891
93V	390	SW	Dye Works	1915
94V	390	SW	Unspecified Commercial/Industrial	1933
95CD	393	E	Cuttings	1933
96V	394	SW	Dye Works	1923
97AX	394	SW	Unspecified Works	1891
98W	400	SW	Dye Works	1851
99CK	402	NE	Unspecified Pit	1938
100X	404	W	Unspecified Commercial/Industrial	1980
101W	409	W	Unspecified Commercial/Industrial	1933
102W	409	W	Tannery	1915
103W	413	W	Tannery	1923

104Y	414	W	Unspecified Works	1915
105X	414	W	Unspecified Mill	1933
106CM	415	N	Unspecified Ground Workings	1956
107Y	416	W	Match Works	1923
108AD	417	SW	Railway Sidings	1966
109Z	418	SW	Unspecified Commercial/Industrial	1933
110Z	418	SW	Chemical Works	1915
111CN	419	NW	Sand Pit	1851
112Z	420	SW	Unspecified Works	1906
113AS	420	SW	Railway Sidings	1906
114W	422	W	Dye Works	1923
115Z	422	SW	Chemical Works	1923
116AE	427	NE	Sand Pit	1851
117CO	427	S	Refuse Destructor	1938
118W	431	W	Dye Works	1915
119W	431	W	Unspecified Commercial/Industrial	1933
120	431	SW	Chemical Works	1891
121AA	435	SW	Railway Sidings	1933
122AA	441	SW	Railway Sidings	1938
123AC	444	SW	Refuse Heap	1915
124BE	445	SW	Unspecified Heap	1906
125X	446	W	Unspecified Mill	1906
126AB	448	W	Unspecified Mill	1915
127AB	448	W	Unspecified Mill	1938
128AB	449	W	Unspecified Mill	1923
129AC	451	SW	Refuse Heap	1923
130	455	SW	Unspecified Commercial/Industrial	1851
131AD	457	SW	Railway Sidings	1956
132AE	458	NE	Refuse Heap	1891
133AG	460	SW	Railway Sidings	1906
134CP	461	S	Refuse Destructor	1933
135AH	463	NE	Old Sand Pit	1923
136AF	463	S	Unspecified Ground Workings	1956
137AF	463	S	Unspecified Ground Workings	1966
138AG	464	SW	Railway Sidings	1915
139CQ	468	S	Refuse Destructor	1975
140AH	469	NE	Old Sand Pit	1915
141AH	471	NE	Sand Pit	1906
142	474	SW	Railway Sidings	1923
143	477	SW	Bleach Works	1851
144AI	479	NW	Unspecified Pit	1891
145CR	483	S	Unspecified Ground	1906

Workings				
146AI	483	NW	Old Clay Pit	1923
147AH	486	NE	Sand Pit	1933
148AI	488	NW	Unspecified Pit	1933
149AI	488	NW	Old Clay Pit	1915
150AI	488	NW	Old Clay Pit	1906
151AC	490	SW	Unspecified Heap	1906
152AJ	495	SW	Railway Sidings	1975
153AJ	495	SW	Railway Sidings	1980
154AK	495	NE	Unspecified Ground Workings	1956
155AK	495	NE	Unspecified Ground Workings	1966
156AH	496	NE	Sand Pit	1938
157	499	SE	Electric Substation	1915

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:

89

ID	Distance (m)	Direction	Use	Date
158A	38	NE	Unspecified Tank	1893
159AL	103	NW	Unspecified Tank	1951
160AL	104	NW	Unspecified Tank	1951
161	178	W	Unspecified Tank	1989
162AM	263	SW	Unspecified Tank	1968
163AM	263	SW	Unspecified Tank	1951
164AM	265	SW	Unspecified Tank	1951
165AN	340	SW	Unspecified Tank	1951
166AN	340	SW	Unspecified Tank	1968
167AO	341	S	Unspecified Tank	1968
168AO	341	S	Unspecified Tank	1951
169AN	343	SW	Unspecified Tank	1951
170AP	343	W	Unspecified Tank	1951
171AP	343	W	Unspecified Tank	1968
172AO	344	S	Unspecified Tank	1951
173AP	344	W	Unspecified Tank	1951
174AQ	346	SW	Tanks	1992
175AQ	346	SW	Tanks	1989
176AQ	347	SW	Tanks	1996
177AR	371	W	Unspecified Tank	1955

178AR	371	W	Unspecified Tank	1951
179AR	371	W	Unspecified Tank	1951
180AR	372	W	Unspecified Tank	1951
181BN	381	W	Unspecified Tank	1893
182AS	416	SW	Tanks	1951
183AS	416	SW	Tanks	1968
184W	418	W	Tanks	1951
185W	418	W	Tanks	1968
186	418	SW	Unspecified Tank	1909
187V	418	SW	Tanks	1909
188V	418	SW	Tanks	1932
189V	418	SW	Tanks	1922
190AS	418	SW	Tanks	1951
191AS	418	SW	Tanks	1951
192W	419	W	Tanks	1951
193AT	421	SW	Tanks	1968
194AT	421	SW	Tanks	1951
195AU	422	W	Tanks	1951
196AU	422	W	Tanks	1968
197AU	423	W	Tanks	1951
198Y	423	W	Tanks	1968
199AT	423	SW	Tanks	1951
200Y	424	W	Tanks	1951
201Y	425	W	Tanks	1951
202AV	427	W	Unspecified Tank	1922
203AV	427	W	Unspecified Tank	1932
204BA	427	SW	Tanks	1932
205AW	428	SW	Unspecified Tank	1968
206AW	428	SW	Unspecified Tank	1951
207AU	428	W	Tanks	1968
208AU	430	W	Tanks	1951
209AW	430	SW	Unspecified Tank	1951
210V	431	SW	Tanks	1968
211V	431	SW	Tanks	1951
212AV	432	W	Tanks	1951
213AV	432	W	Tanks	1951
214AX	432	SW	Tanks	1951
215AX	433	SW	Tanks	1981
216AU	434	W	Unspecified Tank	1951
217V	434	SW	Tanks	1951
218V	434	SW	Tanks	1951
219AY	443	SW	Unspecified Tank	1951
220AY	443	SW	Unspecified Tank	1968
221AY	445	SW	Unspecified Tank	1951
222AY	446	SW	Unspecified Tank	1981
223AZ	448	SW	Tanks	1968

224AZ	448	SW	Tanks	1951
225AZ	450	SW	Tanks	1951
226BA	450	SW	Tanks	1951
227BA	450	SW	Tanks	1968
228BA	453	SW	Tanks	1951
229BB	456	SW	Tanks	1951
230BB	456	SW	Tanks	1968
231BB	463	SW	Tanks	1951
232BC	465	SW	Unspecified Tank	1968
233BC	465	SW	Unspecified Tank	1951
234BD	466	W	Unspecified Tank	1932
235BD	466	W	Unspecified Tank	1922
236BC	466	SW	Unspecified Tank	1951
237BC	467	SW	Unspecified Tank	1981
238X	474	W	Unspecified Tank	1932
239BE	486	SW	Unspecified Tank	1922
240BF	494	S	Tanks	1968
241BF	494	S	Tanks	1951
242BF	495	S	Tanks	1951
243BG	496	SW	Unspecified Tank	1951
244BG	496	SW	Unspecified Tank	1968
245	496	W	Unspecified Tank	1951
246BG	497	SW	Unspecified Tank	1951

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:

36

ID	Distance (m)	Direction	Use	Date
247BH	96	S	Electricity Substation	1989
248BH	96	S	Electricity Substation	1980
249BI	177	W	Electricity Substation	1989
250BI	177	W	Electricity Substation	1951
251BI	178	W	Electricity Substation	1992
252BI	178	W	Electricity Substation	1996
253BI	182	W	Electricity Substation	1951
254BI	182	W	Electricity Substation	1968
255BI	184	W	Electricity Substation	1981
256BJ	209	NE	Electricity Substation	1995
257BJ	210	NE	Electricity Substation	1981
258BJ	210	NE	Electricity Substation	1988

259BJ	210	NE	Electricity Substation	1951
260BJ	211	NE	Electricity Substation	1951
261BK	322	S	Electricity Substation	1968
262BK	322	S	Electricity Substation	1951
263BK	323	S	Electricity Substation	1992
264BK	323	S	Electricity Substation	1996
265BK	324	S	Electricity Sub-Station	1981
266BK	324	S	Electricity Substation	1951
267BK	324	S	Electricity Substation	1989
268BL	342	SW	Electricity Substation	1951
269BL	342	SW	Electricity Substation	1968
270BL	344	SW	Electricity Substation	1951
271BL	344	SW	Electricity Substation	1989
272BL	344	SW	Electricity Substation	1992
273BL	344	SW	Electricity Substation	1996
274BL	346	SW	Electricity Sub-Station	1981
275BM	367	S	Electricity Substation	1989
276BM	367	S	Electricity Substation	1980
277BN	393	W	Electricity Substation	1968
278BN	393	W	Electricity Substation	1951
279AV	394	W	Electricity Substation	1951
280AY	450	SW	Electricity Substation	1951
281AY	450	SW	Electricity Substation	1968
282	452	SW	Electricity Substation	1951

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: 8

ID	Distance (m)	Direction	Use	Date
283BO	45	SE	Garage	1968
284BO	59	SE	Garage	1959

285BP	252	NE	Garage	1995
286BP	252	NE	Garage	1988
287BP	252	NE	Garage	1981
288BP	257	NE	Garage	1964
289BP	286	NE	Garage	1964
290	490	S	Garage	1979

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: 129

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

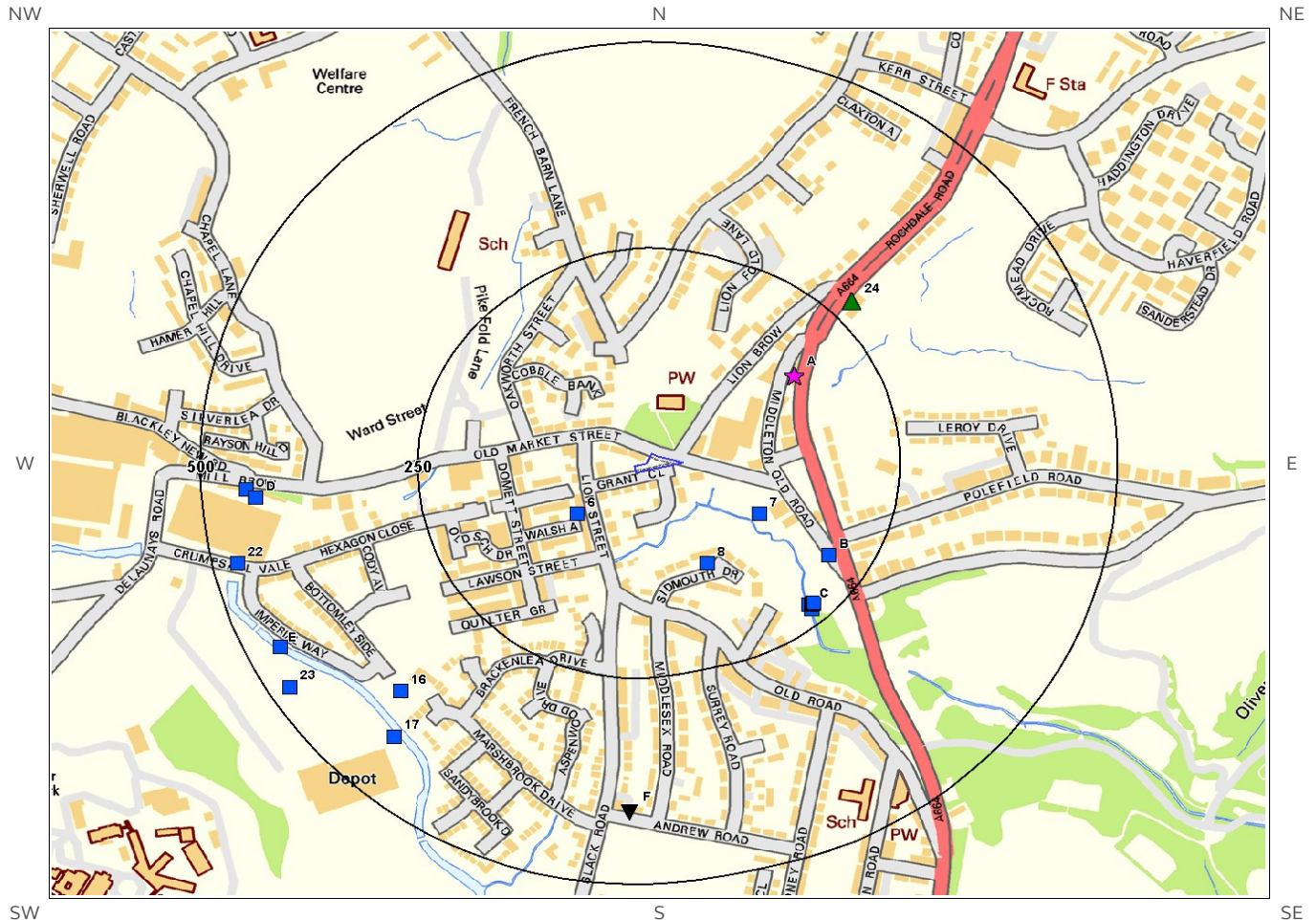
ID	Distance(m)	Direction	Use	Date
291BQ	9	S	Ponds	1851
292BR	42	S	Unspecified Ground Workings	1906
293	50	E	Pond	1891
294B	102	S	Unspecified Ground Workings	1956
295B	102	S	Unspecified Ground Workings	1966
296E	171	NE	Unspecified Pit	1933
297E	171	NE	Unspecified Pit	1915
298E	171	NE	Unspecified Ground Workings	1906
299E	178	NE	Refuse Heap	1956
300BS	180	S	Unspecified Ground Workings	1906
301C	182	NE	Unspecified Ground Workings	1975
302C	182	NE	Unspecified Ground Workings	1966
303C	183	NE	Unspecified Pit	1980
304C	183	NE	Unspecified Pit	1988
305BT	184	NE	Unspecified Ground Workings	1956
306BU	192	NW	Reservoir	1891

307BV	192	NW	Reservoir	1923
308BU	193	NW	Reservoir	1906
309BU	193	NW	Reservoir	1915
310	194	W	Pond	1851
311BU	194	NW	Reservoir	1956
312BV	196	NW	Reservoir	1938
313	197	SE	Pond	1851
314BU	198	NW	Reservoir	1933
315H	220	SE	Unspecified Heap	1980
316L	221	NW	Unspecified Ground Workings	1956
317H	223	SE	Unspecified Heap	1988
318J	232	NW	Unspecified Ground Workings	1906
319	234	W	Pond	1891
320F	253	NE	Pond	1923
321BW	254	NE	Pond	1923
322BW	257	NE	Pond	1891
323F	258	NE	Pond	1938
324BW	260	NE	Pond	1915
325BW	264	N	Pond	1975
326BW	264	N	Pond	1956
327BW	264	N	Pond	1966
328BW	267	NE	Pond	1906
329BX	291	SE	Unspecified Ground Workings	1906
330BY	296	S	Reservoir	1938
331BY	297	S	Reservoir	1933
332BY	297	S	Reservoir	1915
333BY	297	S	Reservoir	1906
334BZ	303	S	Reservoir	1923
335BZ	313	S	Mill Pond	1891
336CA	320	NE	Reservoirs	1891
337CA	321	NE	Reservoirs	1923
338N	323	NE	Unspecified Heap	1923
339M	325	NE	Refuse Heap	1956
340M	325	NE	Refuse Heap	1966
341CA	327	NE	Reservoirs	1933
342N	329	NE	Unspecified Ground Workings	1906
343CB	329	NE	Unspecified Heap	1915
344CA	329	NE	Reservoirs	1938
345CA	330	NE	Ponds	1966
346CA	330	NE	Reservoirs	1956
347N	330	NE	Unspecified Heap	1933
348CC	331	W	Unspecified Heap	1975
349CA	334	NE	Ponds	1975

350CD	342	E	Cuttings	1923
351CD	345	E	Cuttings	1915
352S	356	NE	Reservoirs	1923
353CE	357	E	Cuttings	1933
354S	359	NE	Reservoirs	1933
355S	360	NE	Reservoirs	1938
356S	361	NE	Pond	1906
357CH	361	NE	Reservoirs	1915
358R	368	SE	Unspecified Pit	1891
359CF	369	W	Refuse Heap	1956
360R	371	E	Unspecified Pit	1923
361S	371	NE	Unspecified Pit	1938
362R	372	E	Unspecified Ground Workings	1956
363CG	372	NE	Unspecified Ground Workings	1975
364R	373	E	Unspecified Pit	1906
365R	373	E	Unspecified Pit	1915
366CH	375	NE	Refuse Heaps	1933
367CI	377	SW	Reservoir	1933
368CI	377	SW	Reservoir	1906
369CI	377	SW	Reservoir	1915
370CI	378	SW	Reservoir	1938
371U	381	NW	Unspecified Ground Workings	1988
372U	381	NW	Unspecified Ground Workings	1956
373U	381	NW	Unspecified Ground Workings	1975
374U	381	NW	Unspecified Ground Workings	1966
375U	381	NW	Unspecified Ground Workings	1980
376CI	383	SW	Reservoir	1923
377AW	383	SW	Ponds	1851
378R	384	E	Unspecified Ground Workings	1933
379CD	385	E	Cuttings	1938
380CJ	389	NE	Unspecified Ground Workings	1933
381AW	389	SW	Reservoir	1891
382	390	S	Pond	1851
383P	393	E	Cuttings	1933
384CK	402	NE	Unspecified Pit	1938
385CL	409	W	Reservoir	1975
386CL	411	W	Pond	1966
387CM	415	N	Unspecified Ground Workings	1956
388AX	417	W	Ponds	1938

389AX	418	W	Reservoirs	1915
390AX	419	W	Ponds	1933
391CN	419	NW	Sand Pit	1851
392AX	420	SW	Reservoirs	1923
393AX	425	SW	Ponds	1891
394AE	427	NE	Sand Pit	1851
395CO	427	S	Refuse Destructor	1938
396AC	444	SW	Refuse Heap	1915
397BE	445	SW	Unspecified Heap	1906
398	448	SW	Pond	1891
399AC	451	SW	Refuse Heap	1923
400BE	454	SW	Ponds	1923
401AE	458	NE	Refuse Heap	1891
402CP	461	S	Refuse Destructor	1933
403AH	463	NE	Old Sand Pit	1923
404AF	463	S	Unspecified Ground Workings	1956
405AF	463	S	Unspecified Ground Workings	1966
406CQ	468	S	Refuse Destructor	1975
407AH	469	NE	Old Sand Pit	1915
408AE	471	NE	Sand Pit	1906
409AI	479	NW	Unspecified Pit	1891
410CR	483	S	Unspecified Ground Workings	1906
411AI	483	NW	Old Clay Pit	1923
412AH	486	NE	Sand Pit	1933
413AI	488	NW	Old Clay Pit	1906
414AI	488	NW	Old Clay Pit	1915
415AI	488	NW	Unspecified Pit	1933
416AC	490	SW	Unspecified Heap	1906
417AK	495	NE	Unspecified Ground Workings	1966
418AK	495	NE	Unspecified Ground Workings	1956
419AH	496	NE	Sand Pit	1938

2. Environmental Permits, Incidents and Registers Map



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

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:

1

The following Red List Discharge Consent records are represented as points on the Environmental Permits, Incidents and Registers Map:

ID	Distance (m)	Direction	NGR	Details
5E	461	SW	385199 402699	Address: QDS ENVIRONMENTAL LIMITED, HEXAGON TOWER MAIN CAR PARK, CRUMPSALL VALE, BLACKLEY, MANCHESTER, M9 8EP Permit Number: NPSWQD002604 Permit Version: 1 Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Discharge Type: Mobile Plant Effluent Type: TRADE DISCHARGES - UNSPECIFIED Catchment: RIVER IRK Approval Date: 21-May-2008

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

0

Database searched and no data found.

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

0

Database searched and no data found.

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

1

The following Part A(2) and Part B Activities are represented as points on the Environmental Permits, Incidents and Registers Map:

ID	Distance (m)	Direction	NGR	Details
24	274	NE	385856 403116	Address: Blackley Service Station, 976 Rochdale Road, Blackley, M9 7EP Process: Unloading of Petrol into Storage at Service Stations Status: Current Permit Permit Type: Part B Enforcement: No Enforcement Notified Date of Enforcement: No Enforcement Notified Comment: No Enforcement Notified

2.1.7 Records of Category 3 or 4 Radioactive Substances Authorisations:

6

The following RAS Licence (3 or 4) records are represented as points on the Environmental Permits, Incidents and Registers Map:

ID	Distance (m)	Direction	NGR	Address	Operator	Type	Permission Number	Dates	Status
31F	411	S	385600 402500	PO Box 42, Hexagon House, Manchester, M9 8ZS	ITS Testing Services (UK) Limited	Disposal Of Radioactive Waste (was Rsa60 Section 6).	BZ1846	Date of Approval: 21/7/2005 Effective from: - Last date of update: 2018-11-01	Surrendered
32F	411	S	385600 402500	Avecia Ltd, Po Box 42, Hexagon House, Manchester, M9 8ZS	Avecia Ltd	Disposal Of Radioactive Waste (was Rsa60 Section 6).	BG4399	Date of Approval: 15/7/1999 Effective from: 22/7/1999 Last date of update: 2015-01-01	Superseded By Variation
33F	411	S	385600 402500	PO Box 42, Hexagon House, Manchester, M9 8ZS	ITS Testing Services (UK) Limited	Keeping And Use Of Radioactive Materials (was Rsa60 Section 1).	BZ1820	Date of Approval: 21/7/2005 Effective from: - Last date of update: 2018-11-01	Surrendered

ID	Distance (m)	Direction	NGR	Address	Operator	Type	Permission Number	Dates	Status
34F	411	S	385600 402500	Zeneca Specialities, Po Box 42, Hexagon House, Manchester, M9 8ZS	Zeneca Specialities	Disposal Of Radioactive Waste (was Rsa60 Section 6).	AQ7437	Date of Approval:16/3 /1995 Effective from:31/3/19 95 Last date of update:2015- 01-01	Revoked/c ancelled
35F	411	S	385600 402500	Avecia Ltd, Po Box 42, Hexagon House, Manchester, M9 8ZS	Avecia Ltd	Disposal Of Radioactive Waste (was Rsa60 Section 6).	BW6116	Date of Approval:1/12 /2003 Effective from:1/1/200 4 Last date of update:2015- 01-01	Revoked/c ancelled
36F	411	S	385600 402500	Avecia Ltd, Po Box 42,hexagon House, Manchester, M9 8ZS	Avecia Ltd	Keeping And Use Of Radioactive Materials (was Rsa60 Section 1).	BG4372	Date of Approval:15/7 /1999 Effective from:22/7/19 99 Last date of update:2015- 01-01	Revoked/c ancelled

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

18

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

ID	Distance (m)	Direction	NGR	Details
6	85	SW	385540 402860	Address: LION ST/GRANT ST, SSO, MANCHESTER Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: 01MAN0154 Permit Version: 1 Receiving Water: BOGGART HOLE BROOK Status: REVOKED - UNSPECIFIED Issue date: Effective Date: 15-Sep-1993 Revocation Date: 15/09/1993
7	108	SE	385750 402860	Address: MIDDLETON OLD RD/MARKET S, MANCHESTER Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0267 Permit Version: 1 Receiving Water: BOGGARTS HOLE BROOK Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: Effective Date: 01-Jan-1995 Revocation Date:
8	126	S	385690 402800	Address: BLACKLEY SSO, MIDDLETON OLD ROAD/ROCHDALE ROAD, BLACKLEY Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 016982716 Permit Version: 1 Receiving Water: BOGGART HOLE BROOK Status: REVOKED - UNSPECIFIED Issue date: Effective Date: 28-Nov-1994 Revocation Date: 16/06/1995
9B	202	SE	385830 402810	Address: BOOTH HALL ROAD, SSO, MANCHESTER Receiving Water: BOGGART HOLE BROOK Status: REVOKED - UNSPECIFIED

ID	Distance (m)	Direction	NGR	Details	
				Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: 01MAN0121 Permit Version: 1	Issue date: Effective Date: 15-Sep-1993 Revocation Date: 15/09/1993
10B	202	SE	385830 402810	Address: BOOTH HALL ROAD, SSO, MANCHESTER Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: 01MAN0120 Permit Version: 1	Receiving Water: BOGGART HOLE BROOK Status: REVOKED - UNSPECIFIED Issue date: Effective Date: 15-Sep-1993 Revocation Date: 15/09/1993
11C	225	SE	385807 402750	Address: CHARLESTOWN ROAD CSO, 114 CHARLESTOWN ROAD, MANCHESTER, M9 7BR Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: NPSWQD006371 Permit Version: 1	Receiving Water: BOGGART HOLE BROOK Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 29/04/2009 Effective Date: 29-Apr-2009 Revocation Date: 31/03/2018
12C	227	SE	385812 402752	Address: BOOTH HALL ROAD Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 016993772 Permit Version: 1	Receiving Water: BOGGART HOLE BROOK Status: REVOKED (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 21/06/2005 Effective Date: 21-Jun-2005 Revocation Date: 26/06/2009
13C	227	SE	385811 402751	Address: OUTSIDE 167 CHARLESTOWN ROAD CSO, CHARLESTOWN ROAD Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 016993782 Permit Version: 1	Receiving Water: BOGGART HOLE BROOK TRIB IRK Status: REVOKED (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 21/06/2005 Effective Date: 21-Jun-2005 Revocation Date: 26/06/2009
14C	227	SE	385810 402750	Address: OUTSIDE 130&132 CHARLESTOWN RD CSO, CHARLESTOWN ROAD Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 016993793 Permit Version: 1	Receiving Water: BOGGART HOLE BROOK TRIB OF IRK Status: REVOKED (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 21/06/2005 Effective Date: 21-Jun-2005 Revocation Date: 26/06/2009
15C	231	SE	385810 402745	Address: CHARLESTOWN ROAD CSO, 114 CHARLESTOWN ROAD, MANCHESTER, M9 7BR Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: NPSWQD006371 Permit Version: 2	Receiving Water: BOGGART HOLE BROOK Status: VARIED UNDER EPR 2010 Issue date: 12/03/2018 Effective Date: 01-Apr-2018 Revocation Date:
16	380	SW	385337 402645	Address: OLD HOUSES AT HOME, BOTTOMLY SIDE Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: 01M/957 Permit Version: 1	Receiving Water: UNKNOWN Status: PRE NRA LEGISLATION WHERE ISSUE DATE < 01-SEP-89 (HISTORIC ONLY) Issue date: 26/10/1963 Effective Date: 26-Oct-1963 Revocation Date:
17	425	SW	385330 402590	Address: ICI WORKS SWO, CRUMPSALL Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: 016991421 Permit Version: 1	Receiving Water: RIVER IRK Status: REVOKED - UNSPECIFIED Issue date: Effective Date: 01-Apr-1992 Revocation Date: 01/04/1992
18D	439	W	385170 402880	Address: MILL BROW/BLACKLEY NEW RD CSO, MANCHESTER Effluent Type: SEWAGE DISCHARGES -	Receiving Water: RIVER IRK Status: CONSENT REVOKED OR REVISED - NEW CONSENT ISSUED (37(1))

ID	Distance (m)	Direction	NGR	Details	
				SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0112 Permit Version: 1	Issue date: Effective Date: 01-Jan-1995 Revocation Date: 25/01/2005
19D	448	W	385160 402890	Address: MILL BROW/BLACKLEY NEW RD CSO, MANCHESTER Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0269 Permit Version: 1	Receiving Water: RIVER IRK Status: CONSENT REVOKED OR REVISED - NEW CONSENT ISSUED (37(1)) Issue date: Effective Date: 01-Jan-1995 Revocation Date: 01/01/1995
20D	448	W	385160 402890	Address: MILL BROW/BLACKLEY NEW RD CSO, MANCHESTER Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 016982717 Permit Version: 1	Receiving Water: RIVER IRK Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: Effective Date: 30-Sep-1994 Revocation Date:
21E	461	SW	385199 402699	Address: HEXAGON TOWER MAIN CAR PARK, CRUMPSALL VALE, BLACKLEY, MANCHESTER, M9 8EP Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: NPSWQD002604 Permit Version: 1	Receiving Water: RIVER IRK Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 21/05/2008 Effective Date: 21-May-2008 Revocation Date: 30/11/2008
22	472	W	385150 402800	Address: MILL BROW/BLACKLEY NEW RD CSO, MANCHESTER Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0112 Permit Version: 2	Receiving Water: RIVER IRK Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: Effective Date: 26-Jan-2005 Revocation Date:
23	476	SW	385210 402650	Address: HEXAGON TOWER MAIN CAR PARK, CRUMPSALL VALE, BLACKLEY, MANCHESTER, M9 8EP Effluent Type: GROUNDWATER - BOREHOLE Permit Number: NPSWQD000920 Permit Version: 1	Receiving Water: GROUNDWATERS Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 21/05/2008 Effective Date: 21-May-2008 Revocation Date: 30/11/2008

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:

4

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	165	NE	385789.0 403028.0	Incident Date: 08-Jun-2001 Incident Identification: 8230.0 Pollutant: Specific Waste Materials Pollutant Description: Commercial Waste Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
2A	165	NE	385789.0 403028.0	Incident Date: 08-Jun-2001 Incident Identification: 8230.0 Pollutant: General Biodegradable Materials and Wastes:Specific Waste Materials:Specific Waste Materials Pollutant Description: Other General Biodegradable Material or Waste:Commercial Waste:Tyres Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
3A	165	NE	385789.0 403028.0	Incident Date: 08-Jun-2001 Incident Identification: 8230.0 Pollutant: Specific Waste Materials Pollutant Description: Tyres Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
4A	165	NE	385789.0 403028.0	Incident Date: 08-Jun-2001 Incident Identification: 8230.0 Pollutant: General Biodegradable Materials and Wastes Pollutant Description: Other General Biodegradable Material or Waste Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)

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

0

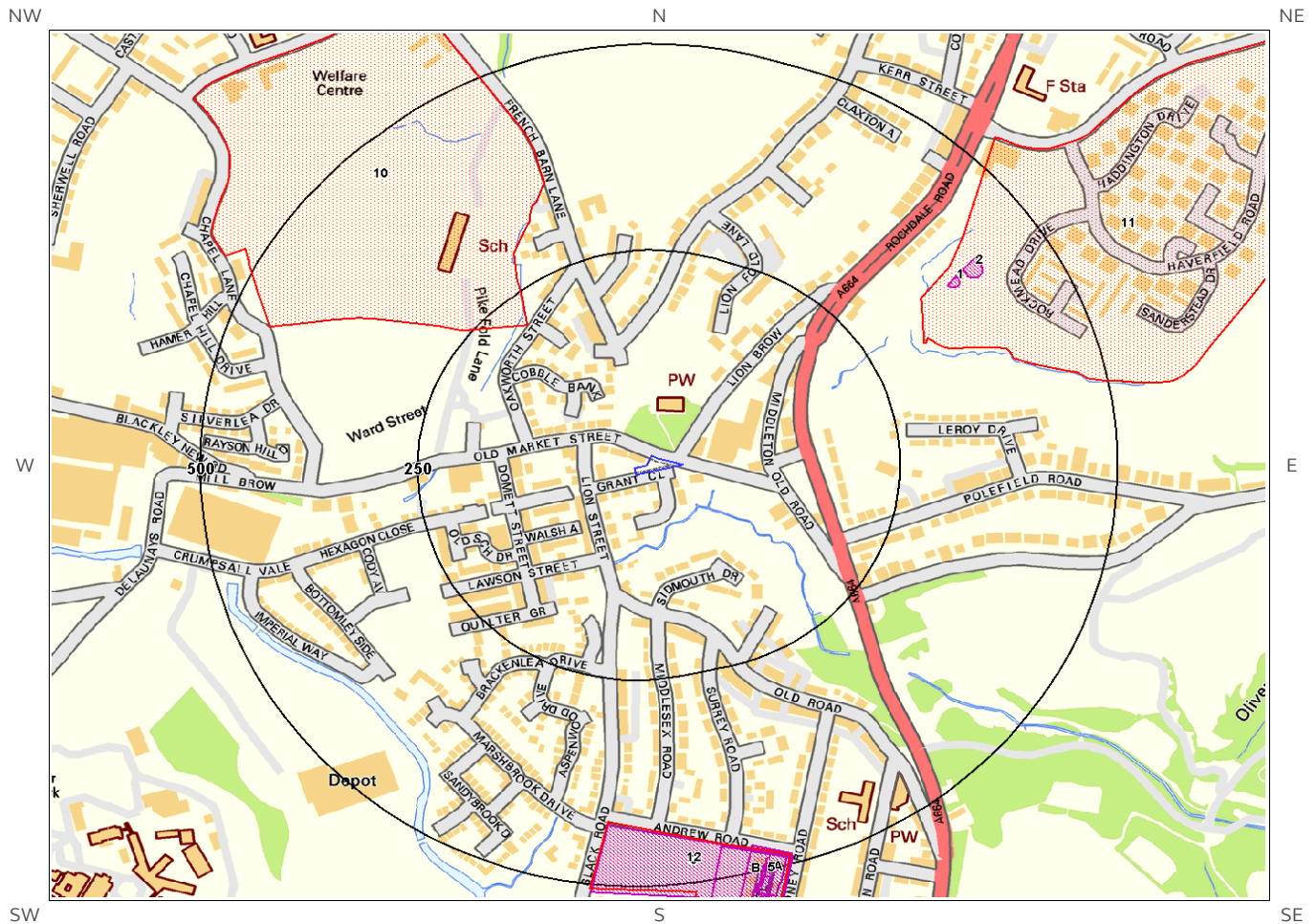
Database searched and no data found.

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

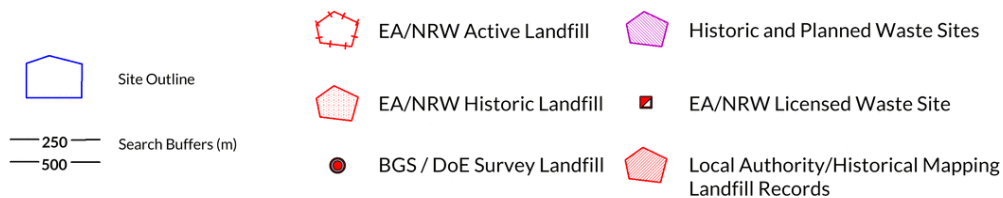
Records of sites determined as contaminated land under Section 78R of the Environmental Protection Act 1990 are there within 500m of the study site 0

Database searched and no data found.

3. Landfill and Other Waste Sites Map



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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:

10

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
10	213	NW		Site Address: Land at Pike Fold Lane, Higher Blackley, Manchester, Greater Manchester Waste Licence: - Site Reference: F043 Waste Type: - Environmental Permitting Regulations (Waste) Reference: - Licence Issue: Licence Surrendered: Licence Holder Address: - Operator: - Licence Holder: - First Recorded: - Last Recorded: -
11	314	NE		Site Address: Land off White Moss Road, White Moss Road, Blackley, Manchester, Greater Manchester Waste Licence: - Site Reference: F003 Waste Type: - Environmental Permitting Regulations (Waste) Reference: - Licence Issue: Licence Surrendered: Licence Holder Address: - Operator: - Licence Holder: - First Recorded: - Last Recorded: -
12	423	S		Site Address: Land at Factory Lane, Blackley, Manchester, Greater Manchester Waste Licence: - Site Reference: F018 Waste Type: - Environmental Permitting Regulations (Waste) Reference: - Licence Issue: Licence Surrendered: Licence Holder Address: - Operator: - Licence Holder: - First Recorded: - Last Recorded: -
Not shown	643	NW		Site Address: Land at Tweedle Hill, Plant Hill Road, Higher Blackley, Manchester, Greater Manchester Waste Licence: - Site Reference: F002 Waste Type: - Environmental Permitting Regulations (Waste) Reference: - Licence Issue: Licence Surrendered: Licence Holder Address: - Operator: - Licence Holder: - First Recorded: - Last Recorded: -

ID	Distance (m)	Direction	NGR	Details
Not shown	907	S		Site Address: Land at Bankfield Street, Blackley, Manchester, Greater Manchester Waste Licence: - Site Reference: F028 Waste Type: - Environmental Permitting Regulations (Waste) Reference: - Licence Issue: - Licence Surrendered: - Licence Holder Address: - Operator: - Licence Holder: - First Recorded: - Last Recorded: -
Not shown	1042	W		Site Address: South of Blackley New Road, Blackley New Road, Crumpsall, Manchester, Greater Manchester Waste Licence: - Site Reference: F017 Waste Type: - Environmental Permitting Regulations (Waste) Reference: - Licence Issue: - Licence Surrendered: - Licence Holder Address: - Operator: - Licence Holder: Earl of Wilton First Recorded: - Last Recorded: -
Not shown	1148	S		Site Address: Land off Harpurhey Road, Harpurhey, Manchester, Greater Manchester Waste Licence: Yes Site Reference: F040,RD/LIC/672/90 Waste Type: Inert Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 17-May-1991 Licence Surrendered: - Licence Holder Address: Off Kingsbridge Road, Collyhurst, Manchester Operator: - Licence Holder: Manchester City Council Planning Department First Recorded: - Last Recorded: -
Not shown	1150	NW		Site Address: Land at Riverdale Road, Riverdale Road, Crumpsall, Manchester, Greater Manchester Waste Licence: - Site Reference: F033 Waste Type: - Environmental Permitting Regulations (Waste) Reference: - Licence Issue: - Licence Surrendered: - Licence Holder Address: - Operator: - Licence Holder: - First Recorded: - Last Recorded: -
Not shown	1325	SW		Site Address: Abraham Moss Centre, Crescent Road, Crumpsall, Manchester, Greater Manchester Waste Licence: - Site Reference: F016 Waste Type: - Environmental Permitting Regulations (Waste) Reference: - Licence Issue: - Licence Surrendered: - Licence Holder Address: - Operator: - Licence Holder: - First Recorded: - Last Recorded: -
Not shown	1333	NE		Site Address: Land to the rear of Symond Road, Symond Road, Blackley, Manchester, Greater Manchester Waste Licence: - Site Reference: F026 Waste Type: - Environmental Permitting Regulations (Waste) Reference: - Licence Issue: - Licence Surrendered: - Licence Holder Address: - Operator: - Licence Holder: - First Recorded: - Last Recorded: -

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

0

Database searched and no data found.

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

18

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

ID	Distance (m)	Direction	NGR	Site Address	Source	Data Type
Not shown	653	N	385774 403578	Refuse Tips	1964 mapping	Polygon
Not shown	654	N	385774 403578	Refuse Tips	1962 mapping	Polygon
Not shown	670	N	385793 403592	Refuse Tips	1964 mapping	Polygon
Not shown	670	N	385793 403592	Refuse Tips	1962 mapping	Polygon
Not shown	707	N	385805 403623	Refuse Tips	1962 mapping	Polygon
Not shown	707	N	385805 403624	Refuse Tips	1964 mapping	Polygon
Not shown	718	NW	385208 403641	Refuse Tip	1964 mapping	Polygon
Not shown	718	NW	385207 403641	Refuse Tip	1962 mapping	Polygon
Not shown	851	NW	385162 403660	Refuse Tip	1962 mapping	Polygon
Not shown	851	NW	385161 403660	Refuse Tip	1964 mapping	Polygon
Not shown	880	NW	385248 403794	Refuse Tip	1962 mapping	Polygon
Not shown	880	NW	385249 403795	Refuse Tip	1964 mapping	Polygon
Not shown	888	NW	385221 403757	Refuse Tip	1964 mapping	Polygon
Not shown	888	NW	385221 403756	Refuse Tip	1962 mapping	Polygon
Not shown	910	N	385297 403787	Refuse Tip	1964 mapping	Polygon
Not shown	911	N	385295 403786	Refuse Tip	1962 mapping	Polygon
Not shown	1128	W	384361 403060	Refuse Tip	1964 mapping	Polygon
Not shown	1128	W	384361 403060	Refuse Tip	1964 mapping	Polygon

3.2 Other Waste Sites

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

9

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		
1	374	NE	385973 403144	Type of Site: Refuse Pit Site Address: N/A	Planning Application Reference: N/A Date: 1932	Further Details: N/A Data Source: Historic Mapping Data Type: Polygon
2	400	NE	385995 403162	Type of Site: Refuse Pit Site Address: N/A	Planning Application Reference: N/A Date: 1932	Further Details: N/A Data Source: Historic Mapping Data Type: Polygon
3	427	S	385672 402318	Type of Site: Refuse Destructor Site Address: N/A	Planning Application Reference: N/A Date: 1938	Further Details: N/A Data Source: Historic Mapping Data Type: Polygon
4B	461	S	385740 402404	Type of Site: Refuse Destructor Site Address: N/A	Planning Application Reference: N/A Date: 1933	Further Details: N/A Data Source: Historic Mapping Data Type: Polygon
5	468	S	385754 402355	Type of Site: Refuse Destructor Site Address: N/A	Planning Application Reference: N/A Date: 1975	Further Details: N/A Data Source: Historic Mapping Data Type: Polygon
6A	483	S	385763 402424	Type of Site: Refuse Destructor Site Address: N/A	Planning Application Reference: N/A Date: 1951	Further Details: N/A Data Source: Historic Mapping Data Type: Polygon
7A	483	S	385763 402424	Type of Site: Refuse Destructor Site Address: N/A	Planning Application Reference: N/A Date: 1968	Further Details: N/A Data Source: Historic Mapping Data Type: Polygon
8A	492	S	385758 402406	Type of Site: Refuse Destructor Site Address: N/A	Planning Application Reference: N/A Date: 1951	Further Details: N/A Data Source: Historic Mapping Data Type: Polygon
9B	494	S	385749 402402	Type of Site: Refuse Destructor Site Address: N/A	Planning Application Reference: N/A Date: 1932	Further Details: N/A Data Source: Historic Mapping Data Type: Polygon

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

0

Database searched and no data found.

4. Current Land Use Map



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Site Outline

★ Current Industrial Sites

— Electricity Transmission Cables

— 250 — Search Buffers (m)
— 500 —

● Petrol & Fuel Sites

— Gas Transmission Pipelines

4. Current Land Uses

4.1 Current Industrial Data

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

11

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

ID	Distance (m)	Direction	Company	NGR	Address	Activity	Category
1A	57	NE	Recycle Office Furniture Ltd	385713 402947	Lion Works, Old Market Street, Manchester, Greater Manchester, M9 8FY	Office and Shop Equipment	Industrial Products
2A	64	NE	Works	385713 402961	Greater Manchester, M9	Unspecified Works Or Factories	Industrial Features
3	102	S	Electricity Sub Station	385584 402812	Greater Manchester, M9	Electrical Features	Infrastructure and Facilities
4	138	W	Vision Signs	385468 402921	67, Old Market Street, Manchester, Greater Manchester, M9 8DX	Signs	Industrial Products
5	158	NE	Blackley Exhaust & Motor Services	385768 403039	53, Middleton Old Road, Manchester, Greater Manchester, M9 8DS	Vehicle Repair, Testing and Servicing	Repair and Servicing
6	165	NE	Ben Kilcourse	385785 403032	30, Middleton Old Road, Manchester, Greater Manchester, M9 8DS	Vehicle Repair, Testing and Servicing	Repair and Servicing
7	182	W	Electricity Sub Station	385431 402965	Greater Manchester, M9	Electrical Features	Infrastructure and Facilities
8	197	S	Electricity Sub Station	385561 402720	Greater Manchester, M9	Electrical Features	Infrastructure and Facilities
9	225	W	Electricity Sub Station	385385 402884	Greater Manchester, M9	Electrical Features	Infrastructure and Facilities
10	228	NE	Electricity Sub Station	385802 403102	Greater Manchester, M9	Electrical Features	Infrastructure and Facilities
11	242	E	Autoglaze	385901 402957	33, Leroy Drive, Manchester, Greater Manchester, M9 7EW	Vehicle Repair, Testing 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
12	279	NE	385856 403124	TEXACO	976, Rochdale Road, Blackley, Manchester, Greater Manchester, M9 7EP	No	Open

4.3 National Grid High Voltage Underground Electricity Transmission Cables

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

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

0

Database searched and no data found.

4.4 National Grid High Pressure Gas Transmission Pipelines

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

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

0

Database searched and no data found.

5. Geology

5.1 Artificial Ground and Made Ground

Database searched and no data found.

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

5.2 Superficial Ground and Drift Geology

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

Lex Code	Description	Rock Type
GFSDD-XSV	GLACIOFLUVIAL SHEET DEPOSITS, DEVENSIAN	SAND AND GRAVEL
TILLD-DMTN	TILL, DEVENSIAN	DIAMICTON

5.3 Bedrock and Solid Geology

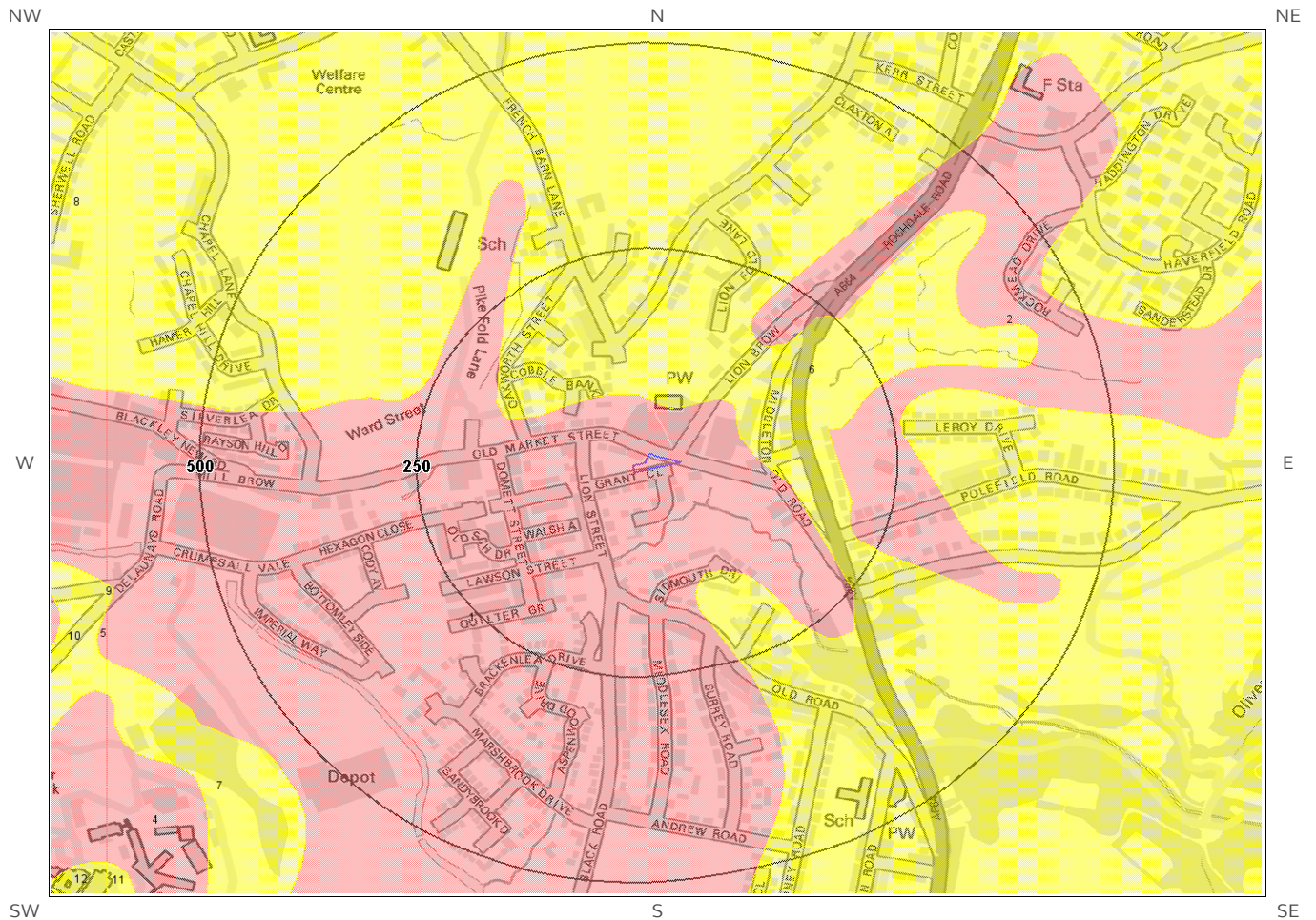
The database has been searched on site, including a 50m buffer.

Lex Code	Description	Rock Type
MM-MDST	MANCHESTER MARLS FORMATION	MUDSTONE

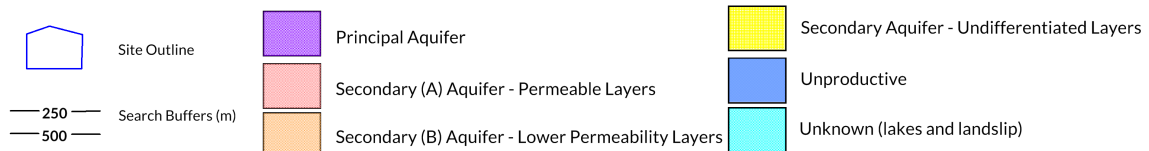
(Derived from the BGS 1:50,000 Digital Geological Map of Great Britain)

6 Hydrogeology and Hydrology

6a. Aquifer Within Superficial Geology



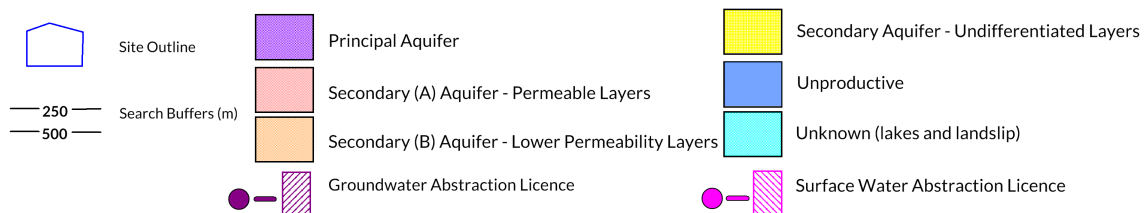
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6b. Aquifer Within Bedrock Geology and Abstraction Licences



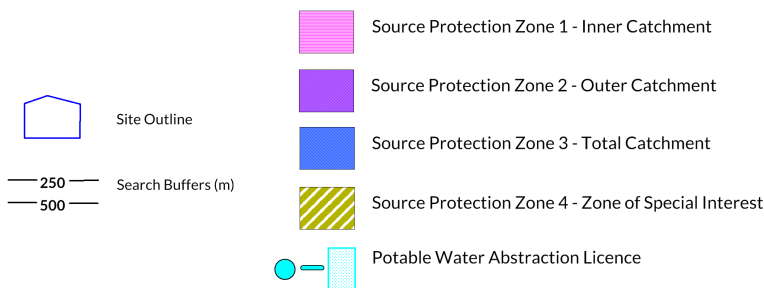
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6c. Hydrogeology – Source Protection Zones and Potable Water Abstraction Licences



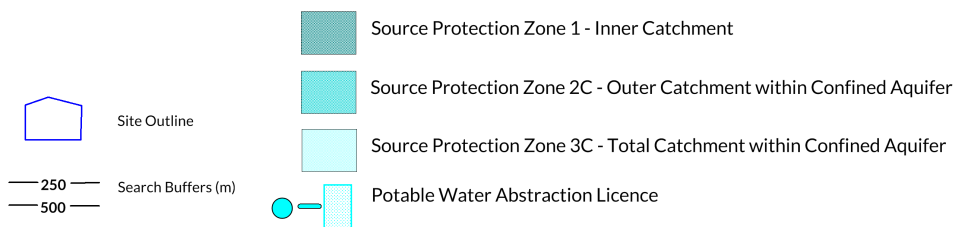
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6d. Hydrogeology – Source Protection Zones within confined aquifer



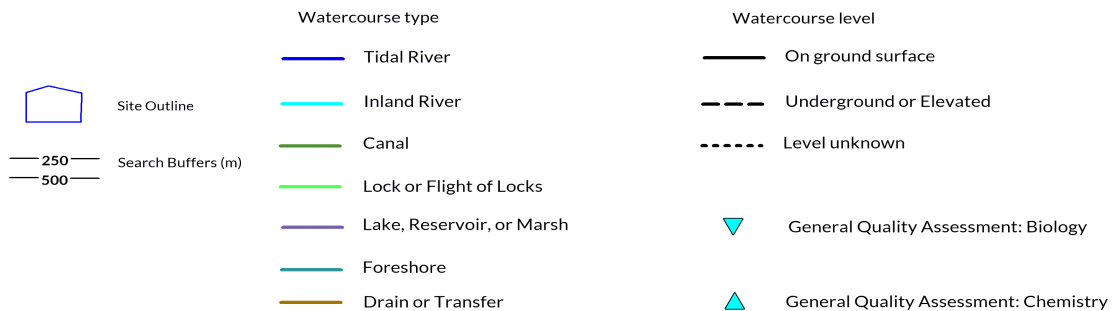
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6e. Hydrology – Watercourse Network and River Quality



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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
6	60	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
2	171	NE	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers

6.2 Aquifer within Bedrock Deposits

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

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

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

ID	Distance (m)	Direction	Designation	Description
4	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
1	158	SW	Principal	Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers
2	180	NE	Principal	Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers

6.3 Groundwater Abstraction Licences

Groundwater Abstraction Licences within 2000m of the study site

Identified

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

ID	Distance (m)	Direction	NGR	Details
9A	607	W	385000 402900	Status: Historical Licence No: 2569005012 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Ground Water - North West Region Point: "BOREHOLE AT BLACKLEY, MANCHESTER" Data Type: Point Name: AVECIA LTD Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: - Original Start Date: Expiry Date: Issue No: Version Start Date: 01/07/1999 Version End Date:
10A	607	W	385000 402900	Status: Historical Licence No: 2569005012 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Ground Water - North West Region Point: BOREHOLE AT BLACKLEY, MANCHESTER Data Type: Point Name: AVECIA LTD Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: - Original Start Date: Expiry Date: Issue No: Version Start Date: 01/07/1999 Version End Date:
Not shown	718	W	384890 402950	Status: Historical Licence No: 2569005044 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Ground Water - North West Region Point: "2 BOREHOLES AT BLACKLEY, MANCHESTER" Data Type: Point Name: BELDEN (UK) LTD Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: - Original Start Date: Expiry Date: Issue No: Version Start Date: 16/11/2001 Version End Date:
Not shown	718	W	384890 402950	Status: Active Licence No: 2569005044 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Ground Water - North West Region Point: 2 BOREHOLES AT BLACKLEY, MANCHESTER Data Type: Point Name: British Cables Company Limited Annual Volume (m³): 477,271 Max Daily Volume (m³): 1,363 Original Application No: - Original Start Date: Expiry Date: Issue No: Version Start Date: 11/10/2018 Version End Date:
Not shown	999	W	384610 402990	Status: Active Licence No: 2569005044 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Ground Water - North West Region Point: BOREHOLES X 2 AT BLACKLEY MANCHESTER Data Type: Point Name: British Cables Company Limited Annual Volume (m³): 477,271 Max Daily Volume (m³): 1,363 Original Application No: - Original Start Date: Expiry Date: Issue No: Version Start Date: 11/10/2018 Version End Date:

ID	Distance (m)	Direction	NGR	Details
Not shown	999	W	384610 402990	Status: Historical Licence No: 2569005044 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Ground Water - North West Region Point: 2 BOREHOLES AT BLACKLEY, MANCHESTER 121 Data Type: Point Name: BELDEN (UK) LTD Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: - Original Start Date: Expiry Date: Issue No: Version Start Date: 03/04/2000 Version End Date:
Not shown	999	W	384610 402990	Status: Historical Licence No: 2569005044 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Ground Water - North West Region Point: 2 BOREHOLES AT BLACKLEY, MANCHESTER \$121 Data Type: Point Name: BELDEN (UK) LTD Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: - Original Start Date: Expiry Date: Issue No: Version Start Date: 16/11/2001 Version End Date:
Not shown	999	W	384610 402990	Status: Historical Licence No: 2569005044 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Ground Water - North West Region Point: "2 BOREHOLES AT BLACKLEY, MANCHESTER \$121" Data Type: Point Name: BELDEN (UK) LTD Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: - Original Start Date: Expiry Date: Issue No: Version Start Date: 16/11/2001 Version End Date:

6.4 Surface Water Abstraction Licences

Surface Water Abstraction Licences within 2000m of the study site

None identified

Database searched and no data found.

6.5 Potable Water Abstraction Licences

Potable Water Abstraction Licences within 2000m of the study site

None identified

Database searched and no data found.

6.6 Source Protection Zones

Source Protection Zones within 500m of the study site

None identified

Database searched and no data found.

6.7 Source Protection Zones within Confined Aquifer

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

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

Database searched and no data found.

6.8 Groundwater Vulnerability and Soil Leaching Potential

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

Distance (m)	Direction	Classification	Soil Vulnerability Category	Description
0	On Site	Minor Aquifer/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.
170	SW	Major 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.
188	NE	Major 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 Identified

6.9.1 Biological Quality:

Database searched and no data found.

6.9.2 Chemical Quality:

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

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

ID	Distance (m)	Direction	NGR	River Quality Grade	Chemical Quality Grade				
					2005	2006	2007	2008	2009
30A	766	NE	386293 403356	River Name: Whitsundale Beck Reach: Hoods Bottom Beck River Swale End/Start of Stretch: Start of Stretch NGR	A	A	A	A	A
31A	766	NE	386293 403356	River Name: Whitsundale Beck Reach: White Mossy Hill Hoods Bottom Beck End/Start of Stretch: End of Stretch NGR	A	A	A	A	A

6.10 Ordnance Survey MasterMap Water Network

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

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

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

ID	Distance/Direction	Name	Type of Watercourse	Additional Details
1	45 SE	-	Inland river not influenced by normal tidal action.	Catchment Area: Mersey Relationship to Ground Level: Not provided Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): Not Provided
2	45 SE	-	Inland river not influenced by normal tidal action.	Catchment Area: Mersey Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): Not Provided
13	45 SE	-	Inland river not influenced by normal tidal action.	Catchment Area: Mersey Relationship to Ground Level: Not provided Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): Not Provided
14	45 SE	-	Inland river not influenced by normal tidal action.	Catchment Area: Mersey Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions)

ID	Distance/ Direction	Name	Type of Watercourse	Additional Details
				Average Width in Watercourse Section (m): Not Provided
3	52 S	Boggart Hole Brook	Inland river not influenced by normal tidal action.	Catchment Area: Mersey Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 1.5
15	52 S	Boggart Hole Brook	Inland river not influenced by normal tidal action.	Catchment Area: Mersey Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 1.5
4	58 SE	Boggart Hole Brook	Inland river not influenced by normal tidal action.	Catchment Area: Mersey Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 1.6
16	58 SE	Boggart Hole Brook	Inland river not influenced by normal tidal action.	Catchment Area: Mersey Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 1.6
5	110 S	Boggart Hole Brook	Inland river not influenced by normal tidal action.	Catchment Area: Mersey Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): Not Provided
17	110 S	Boggart Hole Brook	Inland river not influenced by normal tidal action.	Catchment Area: Mersey Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): Not Provided
6	195 NE	-	Inland river not influenced by normal tidal action.	Catchment Area: Mersey Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): Not Provided
18	195 NE	-	Inland river not influenced by normal tidal action.	Catchment Area: Mersey Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): Not Provided
7	201 NE	-	Inland river not influenced by normal tidal action.	Catchment Area: Mersey Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): Not Provided
8	201 NW	-	Inland river not influenced by normal tidal action.	Catchment Area: Mersey Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): Not Provided
9	201 NW	-	Inland river not influenced by normal tidal action.	Catchment Area: Mersey Relationship to Ground Level: Not provided Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): Not Provided
19	201 NE	-	Inland river not influenced by normal tidal action.	Catchment Area: Mersey Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): Not Provided

ID	Distance/ Direction	Name	Type of Watercourse	Additional Details
20	201 NW	-	Inland river not influenced by normal tidal action.	Catchment Area: Mersey Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): Not Provided
21	201 NW	-	Inland river not influenced by normal tidal action.	Catchment Area: Mersey Relationship to Ground Level: Not provided Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): Not Provided
10	205 NE	-	Inland river not influenced by normal tidal action.	Catchment Area: Mersey Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 1.3
22	205 NE	-	Inland river not influenced by normal tidal action.	Catchment Area: Mersey Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 1.3
11	217 NE	-	Inland river not influenced by normal tidal action.	Catchment Area: Mersey Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): Not Provided
23	217 NE	-	Inland river not influenced by normal tidal action.	Catchment Area: Mersey Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): Not Provided
12	230 W	-	Inland river not influenced by normal tidal action.	Catchment Area: Mersey Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 1.6
24	230 W	-	Inland river not influenced by normal tidal action.	Catchment Area: Mersey Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 1.6
13	269 W	-	Inland river not influenced by normal tidal action.	Catchment Area: Mersey Relationship to Ground Level: Not provided Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): Not Provided
25	269 W	-	Inland river not influenced by normal tidal action.	Catchment Area: Mersey Relationship to Ground Level: Not provided Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): Not Provided
14	297 SE	Boggart Hole Brook	Inland river not influenced by normal tidal action.	Catchment Area: Mersey Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): Not Provided
26	297 SE	Boggart Hole Brook	Inland river not influenced by normal tidal action.	Catchment Area: Mersey Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): Not Provided
15	301	-	Inland river not influenced by normal tidal action.	Catchment Area: Mersey Relationship to Ground Level: On ground surface

ID	Distance/ Direction	Name	Type of Watercourse	Additional Details
	NE			Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): Not Provided
27	301 NE	-	Inland river not influenced by normal tidal action.	Catchment Area: Mersey Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): Not Provided
16	316 NE	-	Inland river not influenced by normal tidal action.	Catchment Area: Mersey Relationship to Ground Level: Not provided Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): Not Provided
28	316 NE	-	Inland river not influenced by normal tidal action.	Catchment Area: Mersey Relationship to Ground Level: Not provided Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): Not Provided
17	336 NW	-	Inland river not influenced by normal tidal action.	Catchment Area: Mersey Relationship to Ground Level: Underground Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): Not Provided
18	336 NE	-	Inland river not influenced by normal tidal action.	Catchment Area: Mersey Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): Not Provided
Not shown	336 NW	-	Inland river not influenced by normal tidal action.	Catchment Area: Mersey Relationship to Ground Level: Underground Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): Not Provided
30	336 NE	-	Inland river not influenced by normal tidal action.	Catchment Area: Mersey Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): Not Provided
19	340 NE	-	Lake, loch or reservoir.	Catchment Area: Mersey Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 0.8
31	340 NE	-	Lake, loch or reservoir.	Catchment Area: Mersey Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 0.8
20	344 NE	-	Inland river not influenced by normal tidal action.	Catchment Area: Mersey Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): Not Provided
32	344 NE	-	Inland river not influenced by normal tidal action.	Catchment Area: Mersey Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): Not Provided
21	354 NW	-	Inland river not influenced by normal tidal action.	Catchment Area: Mersey Relationship to Ground Level: Not provided Permanence: Watercourse contains water year round (in normal conditions)

ID	Distance/ Direction	Name	Type of Watercourse	Additional Details
				Average Width in Watercourse Section (m): Not Provided
22	354 NW	-	Inland river not influenced by normal tidal action.	Catchment Area: Mersey Relationship to Ground Level: Not provided Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): Not Provided
Not shown	354 NW	-	Inland river not influenced by normal tidal action.	Catchment Area: Mersey Relationship to Ground Level: Not provided Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): Not Provided
Not shown	354 NW	-	Inland river not influenced by normal tidal action.	Catchment Area: Mersey Relationship to Ground Level: Not provided Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): Not Provided
23	361 SE	Boggart Hole Brook	Inland river not influenced by normal tidal action.	Catchment Area: Mersey Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 1.9
35	361 SE	Boggart Hole Brook	Inland river not influenced by normal tidal action.	Catchment Area: Mersey Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 1.9
24	374 N	-	Inland river not influenced by normal tidal action.	Catchment Area: Mersey Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): Not Provided
Not shown	374 N	-	Inland river not influenced by normal tidal action.	Catchment Area: Mersey Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): Not Provided
25	411 SW	River Irk	Inland river not influenced by normal tidal action.	Catchment Area: Mersey Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 7.8
37	411 SW	River Irk	Inland river not influenced by normal tidal action.	Catchment Area: Mersey Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 7.8
26	424 S	Boggart Hole Brook	Inland river not influenced by normal tidal action.	Catchment Area: Mersey Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 1.8
Not shown	424 S	Boggart Hole Brook	Inland river not influenced by normal tidal action.	Catchment Area: Mersey Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 1.8
27	439 NW	-	Inland river not influenced by normal tidal action.	Catchment Area: Mersey Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): Not Provided

ID	Distance/ Direction	Name	Type of Watercourse	Additional Details
Not shown	439 NW	-	Inland river not influenced by normal tidal action.	Catchment Area: Mersey Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): Not Provided
28	483 W	River Irk	Inland river not influenced by normal tidal action.	Catchment Area: Mersey Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): Not Provided
Not shown	483 W	River Irk	Inland river not influenced by normal tidal action.	Catchment Area: Mersey Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): Not Provided
29	490 N	-	Inland river not influenced by normal tidal action.	Catchment Area: Mersey Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): Not Provided
Not shown	490 N	-	Inland river not influenced by normal tidal action.	Catchment Area: Mersey Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): Not Provided

6.11 Surface Water Features

Surface water features within 250m of the study site

Identified

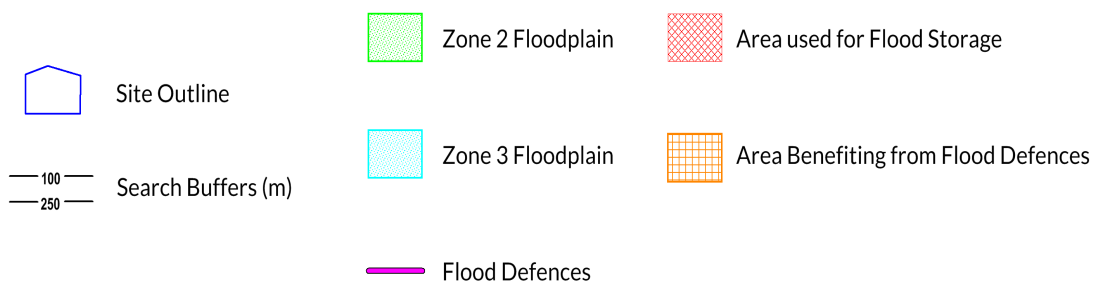
The following surface water records are not represented on mapping:

Distance (m)	Direction
45	SE
201	NW
217	NE
235	SE

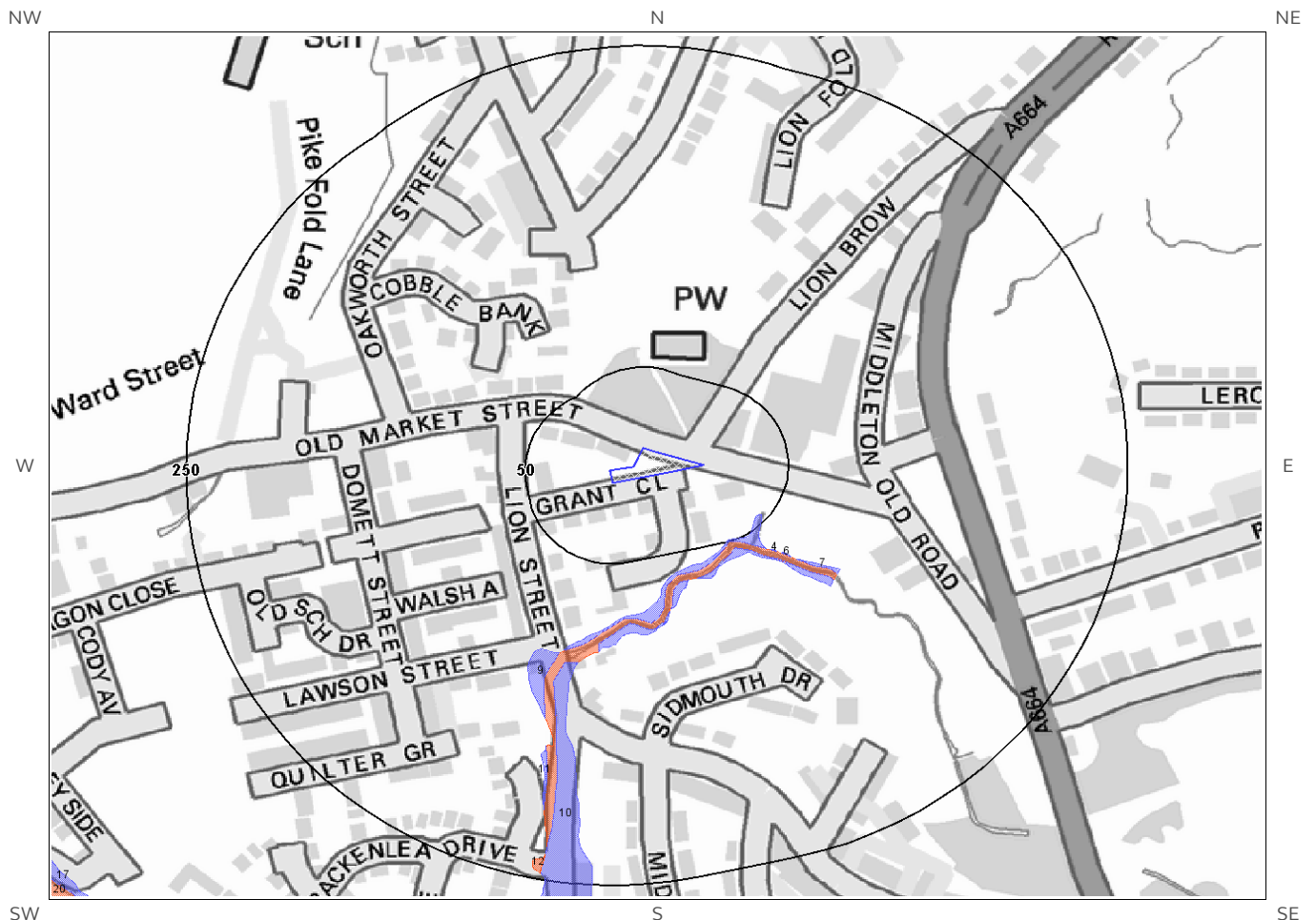
7a. Environment Agency/Natural Resources Wales Flood Map for Planning (from rivers and the sea)



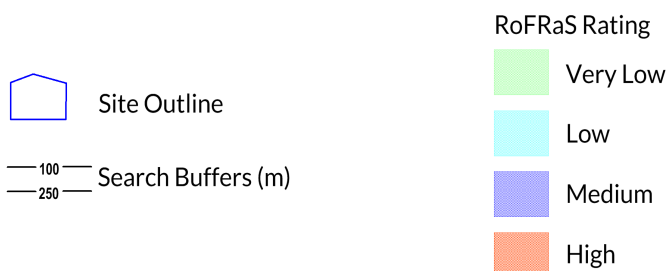
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7b. Environment Agency/Natural Resources Wales Risk of Flooding from Rivers and the Sea (RoFRaS) Map



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7 Flooding

7.1 River and Coastal Zone 2 Flooding

Environment Agency/Natural Resources Wales Zone 2 floodplain within 250m

Identified

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

ID	Distance (m)	Direction	Update	Type
1A	44	SE	09-Sep-2019	Zone 2 - (Fluvial /Tidal Models)

7.2 River and Coastal Zone 3 Flooding

Environment Agency/Natural Resources Wales Zone 3 floodplain within 250m

Identified

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

ID	Distance (m)	Direction	Update	Type
1A	44	SE	09-Sep-2019	Zone 3 - (Fluvial Models)

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

Highest risk of flooding onsite

Very Low

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

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

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

ID	Distance (m)	Direction	RoFRaS flood Risk
1A	44.0	SE	Medium
2	50.0	S	High

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.

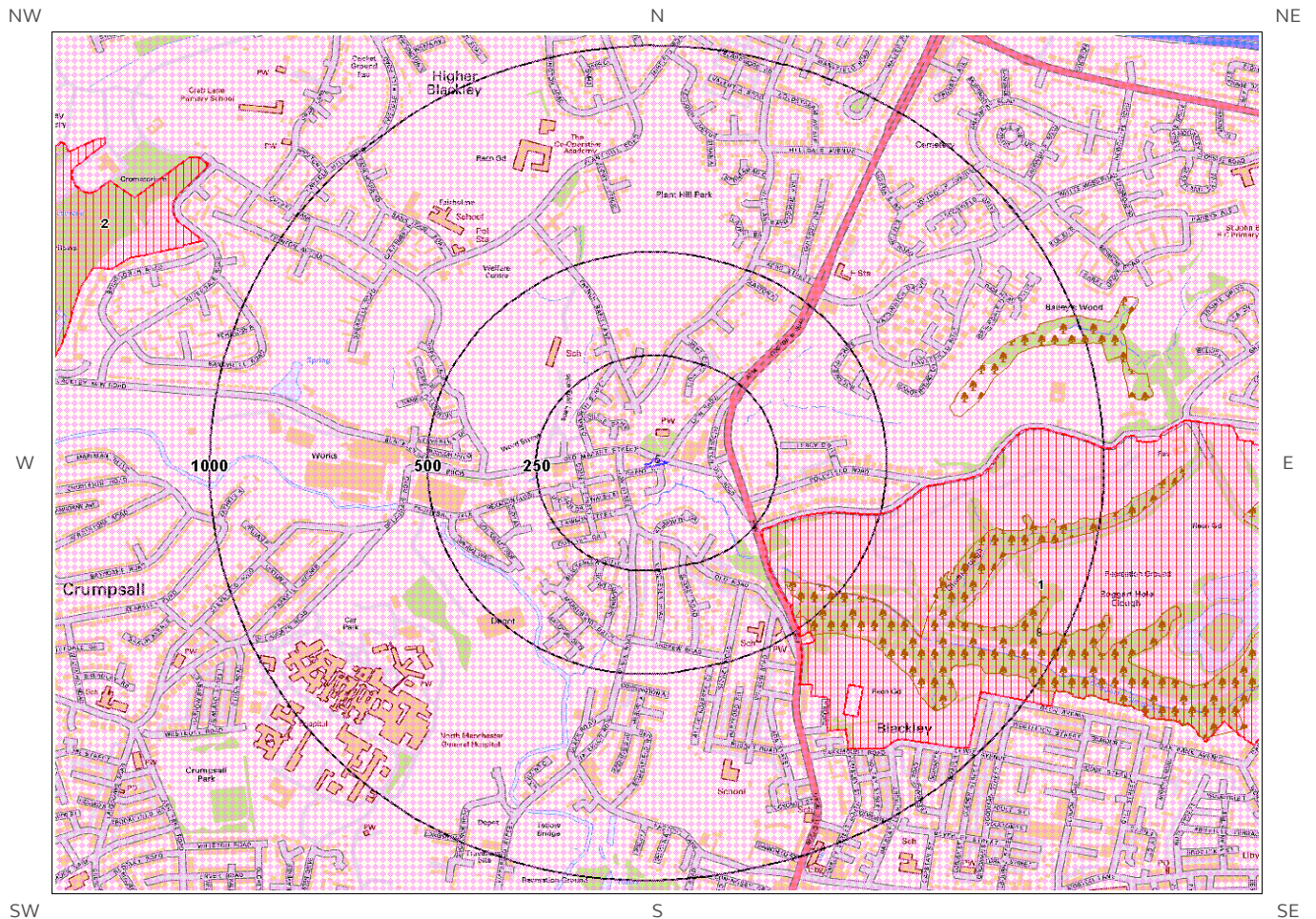
7.8 Groundwater Flooding Confidence Areas

British Geological Survey confidence rating in this result	High
--	------

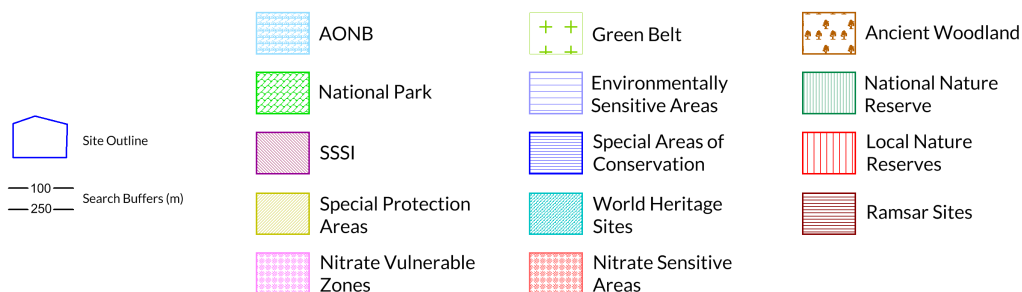
Notes: Groundwater flooding is defined as the emergence of groundwater at the ground surface or the rising of groundwater into man-made ground under conditions where the normal range of groundwater levels is exceeded.

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:

2

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

ID	Distance (m)	Direction	Ancient Woodland Name	Data Source
8	392	SE	BOGGART HOLE CLOUGH	Ancient & Semi-Natural Woodland
9	657	E	Unknown	Ancient & Semi-Natural Woodland

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

4

The following Local Nature Reserve (LNR) records provided by Natural England/Natural Resources Wales are represented as polygons on the Designated Environmentally Sensitive Sites Map:

ID	Distance (m)	Direction	LNR Name	Data Source
1	269	SE	Boggart Hole Clough	Natural England
2	1150	NW	Blackley Forest	Natural England
Not shown	1725	NE	Alkington Woods	Natural England
Not shown	1929	NW	Blackley Forest	Natural England

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:

3

The following Nitrate Vulnerable Zone records produced by DEFRA are represented as polygons on the Designated Environmentally Sensitive Sites Map:

ID	Distance (m)	Direction	NVZ Name	Data Source
5	0	On Site	Existing	DEFRA
Not shown	1515	W	Existing	DEFRA
Not shown	1891	SW	Existing	DEFRA

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

0

Database searched and no data found.

9. Natural Hazards Findings

9.1 Detailed BGS GeoSure Data

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

9.1.1 Shrink Swell

Maximum Shrink-Swell** hazard rating identified on the study site Very Low

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

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

9.1.2 Landslides

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

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

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

9.1.3 Soluble Rocks

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

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

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

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

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

Very Low

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

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

9.1.6 Running Sand

Maximum Running Sand** hazard rating identified on the study site

Very Low

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

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

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

9.2 Radon

9.2.1 Radon Affected Areas

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

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

9.2.2 Radon Protection

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

10. Mining

10.1 Coal Mining

Coal mining areas within 75m of the study site

Identified

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

Distance (m)	Direction	Details
0	On Site	The site lies in or in proximity to the coal mining reporting area as defined by the Coal Authority

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
Guidance: No Guidance Required.

None identified

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: Manchester City Council
Phone: 0161 234 5000
Web: <http://www.manchester.gov.uk/>
Address: , Manchester, M60 2LA

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



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