



Groundsure

LOCATION INTELLIGENCE

Capita Property and Infrastructure
ACCOUNTS PAYABLE, PO Box 202, Faverdale
Industrial Estate,
DARLINGTON, DL1 9HB

Groundsure Reference: GS-5545540

Your Reference: 4500355959

Report Date 19 Oct 2018

Report Delivery Method: Email - pdf

Enviro Insight

Address: Land North of Irlam Station,

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

Enviro Insight

Address: Land North of Irlam Station,
Date: 19 Oct 2018
Reference: GS-5545540
Client: Capita Property and Infrastructure



Aerial Photograph Capture date: 11-Jun-2015
Grid Reference: 371062,393637
Site Size: 66.65ha

Report Reference: GS-5545540
Client Reference: 4500355959

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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	48	68	93	84
1.2 Additional Information – Historical Tank Database	0	7	21	30
1.3 Additional Information – Historical Energy Features Database	0	0	9	35
1.4 Additional Information – Historical Petrol and Fuel Site Database	0	0	0	0
1.5 Additional Information – Historical Garage and Motor Vehicle Repair Database	0	0	5	10
1.6 Historical military sites	0	0	0	0
1.7 Potentially Infilled Land	20	14	46	44
Section 2: Environmental Permits, Incidents and Registers	On-site	0-50m	51-250	251-500
2.1 Industrial Sites Holding Environmental Permits and/or Authorisations				
2.1.1 Records of historic IPC Authorisations	0	0	0	0
2.1.2 Records of Part A(1) and IPPC Authorised Activities	0	0	0	0
2.1.3 Records of Red List Discharge Consents	0	0	0	0
2.1.4 Records of List 1 Dangerous Substances Inventory sites	0	0	0	0
2.1.5 Records of List 2 Dangerous Substances Inventory sites	0	0	0	0
2.1.6 Records of Part A(2) and Part B Activities and Enforcements	0	0	0	6
2.1.7 Records of Category 3 or 4 Radioactive Substances Authorisations	0	0	0	0
2.1.8 Records of Licensed Discharge Consents	0	0	1	2
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	1	0	5	7
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	6	5
3.1.3 BGS/DoE Landfill Site Survey	0	0	0	0	0	2
3.1.4 Records of Landfills in Local Authority and Historical Mapping Records	0	0	0	4	0	3
3.2 Landfill and Other Waste Sites Findings						
3.2.1 Operational and Non-Operational Waste Treatment, Transfer and Disposal Sites	0	2	0	0	Not searched	Not searched
3.2.2 Environment Agency/Natural Resources Wales Licensed Waste Sites	0	1	1	7	5	14

Section 4: Current Land Use	On-site	0-50m	51-250	251-500
4.1 Current Industrial Sites Data	1	1	27	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)	2	0	0	0	4	0
6.4 Surface Water Abstraction Licences (within 2000m of the study site)	0	0	0	0	0	17
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)	3	1	#250GWV #	#500GWV #	Not searched	Not searched

Section 6: Hydrogeology and Hydrology	0-500m					
	On-site	0-50m	51-250	251-500	501-1000	1000-1500
6.9 Environment Agency/Natural Resources Wales information on river quality within 1500m of the study site	No	No	No	No	No	Yes
6.10 Ordnance Survey MasterMap Water Network entries within 500m of the site	88	46	54	74	Not searched	Not searched
6.11 Surface water features within 250m of the study site	Yes	Yes	Yes	Not searched	Not searched	Not searched

Section 7: Flooding	
7.1 Environment Agency Zone 2 floodplains within 250m of the study site	None identified
7.2 Environment Agency/Natural Resources Wales Zone 3 floodplains within 250m of the study site	None identified
7.3 Risk of flooding from Rivers and the Sea (RoFRaS) rating for the study site	Very Low
7.4 Flood Defences within 250m of the study site	None identified
7.5 Areas benefiting from Flood Defences within 250m of the study site	None identified
7.6 Areas used for Flood Storage within 250m of the study site	None identified
7.7 Maximum BGS Groundwater Flooding susceptibility within 50m of the study site	Potential below Surface
7.8 BGS confidence rating for the Groundwater Flooding susceptibility areas	Low

Section 8: Designated Environmentally Sensitive Sites	On-site	0-50m	51-250	251-500	501-1000	1000-2000
8.1 Records of Sites of Special Scientific Interest (SSSI)	0	0	0	0	0	1
8.2 Records of National Nature Reserves (NNR)	0	0	0	0	0	0
8.3 Records of Special Areas of Conservation (SAC)	0	0	0	0	0	1
8.4 Records of Special Protection Areas (SPA)	0	0	0	0	0	0
8.5 Records of Ramsar sites	0	0	0	0	0	0
8.6 Records of Ancient Woodlands	0	0	0	0	0	0
8.7 Records of Local Nature Reserves (LNR)	0	0	0	0	0	0
8.8 Records of World Heritage Sites	0	0	0	0	0	0
8.9 Records of Environmentally Sensitive Areas	0	0	0	0	0	0

Section 8: Designated Environmentally Sensitive Sites	On-site	0-50m	51-250	251-500	501-1000	1000-2000
8.10 Records of Areas of Outstanding Natural Beauty (AONB)	0	0	0	0	0	0
8.11 Records of National Parks	0	0	0	0	0	0
8.12 Records of Nitrate Sensitive Areas	0	0	0	0	0	0
8.13 Records of Nitrate Vulnerable Zones	1	0	0	1	0	0
8.14 Records of Green Belt land	1	0	0	1	2	1

Section 9: Natural Hazards

9.1 Maximum risk of natural ground subsidence	High
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	High
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.

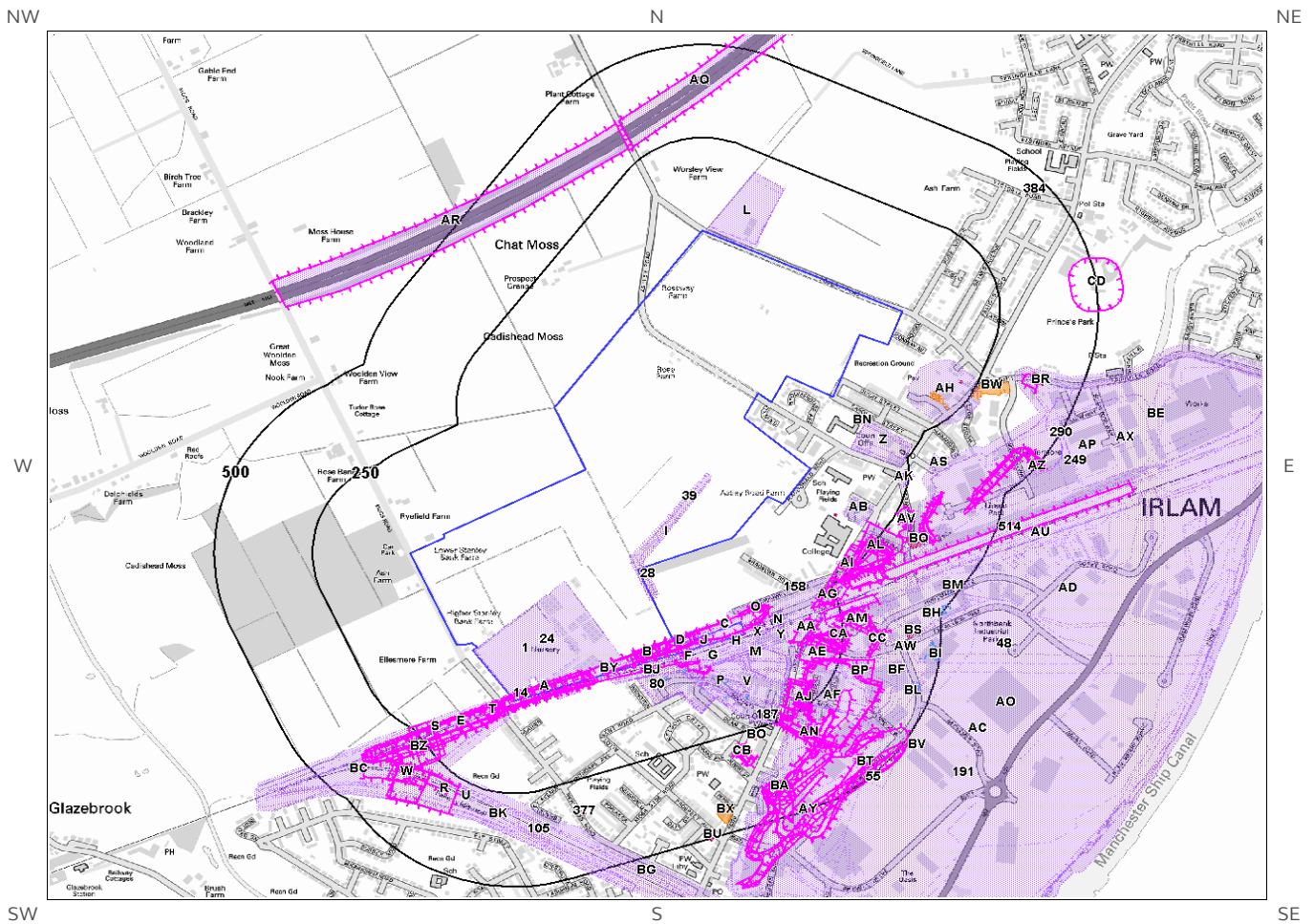
Note: Maps

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).

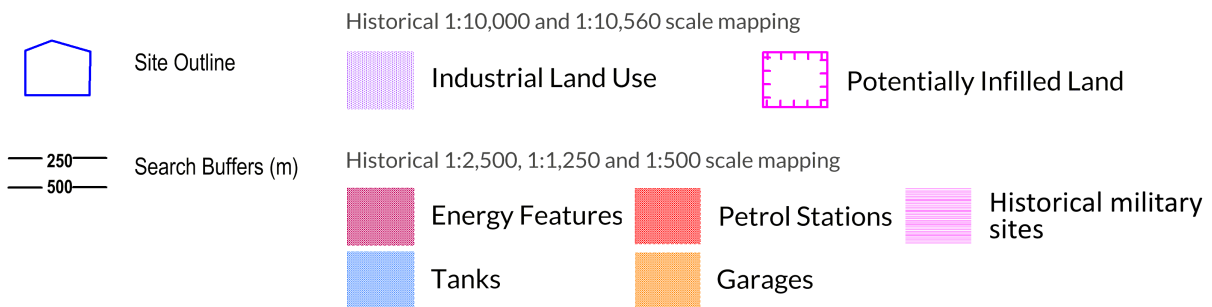
Where a feature is reported in the data tables to a distance greater than the map area, it is noted in the data table as "Not Shown".

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: 293

ID	Distance [m]	Direction	Use	Date
1	0	On Site	Nursery	1979
2A	0	On Site	Cuttings	1949
3A	0	On Site	Cuttings	1926
4A	0	On Site	Cuttings	1904
5A	0	On Site	Cuttings	1949
6B	0	On Site	Cuttings	1949
7B	0	On Site	Cuttings	1904
8B	0	On Site	Cuttings	1965
9BY	0	On Site	Cuttings	1894
10D	0	On Site	Cuttings	1949
11I	0	On Site	Tramway Sidings	1904
12A	0	On Site	Cuttings	1908
13E	0	On Site	Cuttings	1965
14	0	On Site	Railway Building	1894
15C	0	On Site	Cuttings	1904
16C	0	On Site	Cuttings	1894
17F	0	On Site	Railway Sidings	1949
18D	0	On Site	Cuttings	1926
19D	0	On Site	Cuttings	1938
20E	0	On Site	Cuttings	1938
21G	0	On Site	Railway Sidings	1938
22F	0	On Site	Railway Sidings	1926
23G	0	On Site	Railway Sidings	1904
24	0	On Site	Nursery	1995
25H	0	On Site	Railway Sidings	1904
26H	0	On Site	Mineral Railway Sidings	1949
27P	0	On Site	Railway Sidings	1949
28	0	On Site	Tramway Sidings	1904
29B	0	On Site	Railway Sidings	1908
30I	0	On Site	Tramway Sidings	1926
31D	0	On Site	Tramway Sidings	1904
32A	0	On Site	Cuttings	1908
33A	0	On Site	Cuttings	1908
34J	0	On Site	Railway Sidings	1904

35J	0	On Site	Railway Sidings	1904
36H	0	On Site	Railway Sidings	1904
37H	0	On Site	Railway Sidings	1904
38I	0	On Site	Tramway Sidings	1938
39	0	On Site	Tramway Sidings	1904
40I	0	On Site	Tramways Sidings	1904
41I	0	On Site	Tramways Sidings	1904
42A	0	On Site	Cuttings	1926
43I	0	On Site	Tramway Sidings	1926
44B	0	On Site	Cuttings	1926
45D	0	On Site	Railway Sidings	1926
46D	0	On Site	Railway Sidings	1926
47G	0	On Site	Railway Sidings	1894
48	0	On Site	Railway Sidings	1965
49B	2	S	Railway Sidings	1908
50B	2	S	Railway Sidings	1908
51L	3	NE	Nursery	1904
52G	9	S	Railway Sidings	1926
53K	14	S	Railway Sidings	1908
54K	14	S	Railway Sidings	1908
55	16	SW	Railway Sidings	1949
56L	16	NE	Nursery	1904
57L	17	NE	Nursery	1904
58L	17	NE	Nursery	1904
59N	18	E	Railway Station	1926
60M	20	S	Match Works	1904
61M	21	S	Railway Building	1949
62M	21	S	Railway Building	1926
63M	21	S	Railway Building	1938
64O	21	N	Unspecified Ground Workings	1926
65N	22	E	Unspecified Ground Workings	1949
66O	23	N	Railway Building	1926
67O	23	N	Railway Building	1938
68O	23	N	Railway Building	1949
69F	23	S	Unspecified Ground Workings	1965
70X	24	E	Railway Building	1965
71N	27	E	Railway Station	1904
72N	27	E	Railway Station	1904
73O	32	N	Railway Building	1965
74K	33	S	Unspecified Works	1979
75K	33	S	Unspecified Works	1995
76P	33	S	Unspecified Works	1965
77Q	34	S	Unspecified Commercial/Industrial	1938

78Q	34	S	Paper Works	1926
79O	34	N	Unspecified Ground Workings	1949
80	35	S	Wallpaper Works	1926
81S	35	SW	Cuttings	1908
82P	36	S	Match Works	1949
83R	38	SW	Railway Sidings	1965
84R	38	SW	Railway Sidings	1979
85P	39	S	Railway Sidings	1908
86V	39	S	Engraving Works	1908
87P	40	S	Railway Sidings	1949
88P	40	S	Unspecified Commercial/Industrial	1949
89S	42	SW	Cuttings	1904
90W	42	SW	Railway Sidings	1904
91S	42	SW	Cuttings	1894
92T	42	SW	Cuttings	1979
93T	42	SW	Cuttings	1995
94Q	43	S	Unspecified Commercial/Industrial	1926
95N	43	E	Railway Station	1949
96S	43	SW	Cuttings	1926
97N	44	E	Railway Station	1904
98N	44	E	Railway Station	1938
99N	44	E	Railway Station	1926
100U	45	SW	Railway Sidings	1938
101U	45	SW	Railway Building	1926
102S	45	SW	Cuttings	1908
103S	45	SW	Cuttings	1908
104V	45	S	Unspecified Works	1979
105	46	SW	Railway Sidings	1908
106S	46	SW	Cuttings	1926
107W	46	SW	Railway Sidings	1908
108W	46	SW	Railway Sidings	1908
109T	46	SW	Cuttings	1949
110M	47	S	Match Works	1904
111M	47	S	Match Works	1904
112V	48	S	Engineering Works	1908
113V	48	S	Engineering Works	1908
114V	50	S	Engineering Works	1926
115V	50	S	Engineering Works	1938
116V	50	S	Engineering Works	1926
117M	51	S	Match Works	1904
118V	52	S	Engineering Works	1904
119K	53	S	Unspecified Ground Workings	1908
120K	53	S	Unspecified Ground	1908

			Workings	
121M	53	S	Match Works	1926
122M	54	S	Match Works	1938
123M	54	S	Match Works	1926
124O	54	E	Railway Station	1965
125O	54	E	Railway Station	1949
126O	54	E	Railway Station	1904
127M	54	S	Unspecified Depot	1979
128M	54	S	Unspecified Depot	1995
129R	55	SW	Railway Sidings	1894
130O	57	E	Railway Station	1894
131AC	69	SW	Railway Sidings	1926
132R	70	SW	Railway Sidings	1949
133V	73	S	Railway Sidings	1979
134N	74	E	Railway Station	1995
135N	74	E	Railway Station	1979
136X	85	E	Railway Building	1904
137Y	87	E	Railway Building	1926
138Y	87	E	Railway Building	1949
139Y	87	E	Railway Building	1938
140AH	104	SE	Telephone Exchange	1949
141Z	108	SE	Rope Works	1904
142Z	108	SE	Rope Works	1904
143Z	108	SE	Rope Works	1938
144Z	108	SE	Rope Works	1926
145Z	108	SE	Rope Works	1904
146Z	109	SE	Rope Works	1904
147Z	109	SE	Rope Works	1926
148AA	122	E	Cuttings	1904
149AD	123	E	Mineral Railway Sidings	1949
150AA	124	E	Cuttings	1894
151AB	133	SE	Fire Engine Station	1965
152AB	137	SE	Fire Engine Station	1949
153AB	146	SE	Fire Station	1979
154AC	146	E	Steel Works	1949
155AD	148	E	Steel Works	1949
156AC	148	E	Steel and Iron Works	1926
157AE	149	E	Brick Field	1851
158	155	NE	Railway Building	1894
159AA	157	E	Unspecified Ground Workings	1949
160AE	157	E	Tile Kiln	1851
161AA	169	E	Unspecified Pit	1904
162AF	170	SE	Brick Works	1908
163AF	172	SE	Brick Works	1904
164AA	174	E	Unspecified Pit	1904

165AA	174	E	Unspecified Pit	1904
166AO	176	E	Unspecified Works	1965
167AA	176	E	Unspecified Pit	1904
168AF	177	SE	Brick Works	1908
169AF	177	SE	Brick Works	1908
170AG	183	E	Cuttings	1904
171S	196	SW	Cuttings	1979
172S	196	SW	Cuttings	1995
173AG	202	E	Cuttings	1979
174AG	202	E	Cuttings	1995
175AH	203	SE	Telephone Exchange	1965
176AG	204	E	Cuttings	1938
177AG	204	E	Cuttings	1926
178AG	205	E	Cuttings	1894
179AU	205	E	Railway Sidings	1979
180AW	206	E	Unspecified Works	1979
181AF	208	SE	Unspecified Ground Workings	1908
182AI	208	SE	Cuttings	1904
183AI	208	SE	Cuttings	1894
184AG	208	E	Unspecified Pit	1904
185AJ	209	SE	Unspecified Pit	1904
186AL	210	SE	Brick Field	1894
187	210	S	Police Station	1979
188BZ	211	SW	Cuttings	1949
189AJ	214	SE	Unspecified Ground Workings	1908
190AF	214	SE	Unspecified Ground Workings	1908
191	220	SE	Unspecified Works	1949
192AP	221	SE	Unspecified Works	1965
193AK	225	E	Smithy	1894
194AK	225	E	Smithy	1904
195AI	229	SE	Unspecified Pit	1938
196AI	229	SE	Unspecified Pit	1926
197AI	230	SE	Unspecified Ground Workings	1926
198AI	231	SE	Unspecified Pit	1965
199AI	232	SE	Unspecified Ground Workings	1949
200AI	233	SE	Gravel Pit	1949
201AK	234	E	Smithy	1904
202AL	235	SE	Unspecified Pit	1904
203AK	236	E	Smithy	1904
204AK	236	E	Smithy	1904
205AM	236	E	Unspecified Pit	1904
206AM	245	E	Unspecified Pit	1904

207AM	247	E	Unspecified Pit	1904
208AM	247	E	Unspecified Pit	1904
209BV	249	E	Industrial Park	1995
210AN	251	SE	Brick Field	1851
211AN	253	SE	Shed	1851
212AV	256	SE	Refuse Heap	1851
213AO	256	SE	Mineral Railway Sidings	1949
214AI	259	SE	Cuttings	1894
215AI	260	SE	Cuttings	1904
216AN	266	SE	Tile Kiln	1851
217R	274	SW	Cuttings	1926
218W	275	SW	Cuttings	1904
219AL	278	SE	Refuse Heap	1949
220AP	287	E	Soap and Candle Works	1949
221AQ	287	NW	Cuttings	1979
222AQ	287	NW	Cuttings	1995
223W	288	SW	Cuttings	1965
224AR	289	NW	Cuttings	1979
225AR	289	NW	Cuttings	1995
226AN	290	SE	Unspecified Heap	1995
227W	292	SW	Cuttings	1926
228W	292	SW	Cuttings	1938
229W	292	SW	Cuttings	1949
230AS	297	E	Unspecified Commercial/Industrial	1995
231AS	297	E	Unspecified Works	1979
232AT	303	SE	Refuse Heaps	1926
233AT	304	SE	Sand Pit	1926
234AT	304	SE	Sand Pit	1938
235AO	306	E	Steel and Iron Works	1926
236AO	306	E	Railway Sidings	1938
237U	309	S	Railway Building	1965
238AP	312	E	Mineral Railway Sidings	1949
239AU	315	SE	Unspecified Pit	1904
240AV	317	E	Unspecified Ground Workings	1949
241AW	317	E	Unspecified Ground Workings	1949
242AV	318	SE	Unspecified Ground Workings	1965
243CC	319	E	Unspecified Ground Workings	1965
244AV	319	E	Unspecified Ground Workings	1949
245AX	328	SE	Mineral Railway Sidings	1938
246AX	328	SE	Mineral Railway Sidings	1926
247AP	330	SE	Soap and Candle Works	1926
248AO	333	E	Railway Sidings	1926

249	345	SE	Railway Sidings	1926
250AM	349	E	Unspecified Tank	1979
251AN	354	SE	Unspecified Ground Workings	1949
252BF	359	E	Railway Sidings	1979
253AY	386	S	Refuse Heap	1949
254AY	390	S	Refuse Heap	1949
255AZ	391	SE	Unspecified Commercial/Industrial	1995
256AZ	391	SE	Unspecified Commercial/Industrial	1979
257BB	399	SE	Unspecified Ground Workings	1949
258BA	399	S	Unspecified Pit	1908
259BA	405	S	Unspecified Pit	1908
260BA	405	S	Unspecified Pit	1908
261BC	407	SW	Railway Building	1979
262BB	408	SE	Unspecified Heap	1926
263BD	408	E	Refuse Heap	1949
264BC	414	SW	Railway Building	1949
265BC	414	SW	Railway Building	1965
266BD	418	E	Refuse Heap	1965
267BD	419	E	Refuse Heap	1949
268BE	421	E	Unspecified Commercial/Industrial	1949
269BA	425	S	Unspecified Tank	1995
270BC	436	SW	Railway Buildings	1965
271BC	444	SW	Railway Building	1949
272BG	447	S	Railway Sidings	1904
273BE	449	SE	Soap and Candle Works	1926
274BE	449	SE	Soap and Candle Works	1938
275BF	450	E	Unspecified Tanks	1926
276BF	450	E	Unspecified Tanks	1938
277BF	454	E	Unspecified Tanks	1926
278BG	456	S	Railway Sidings	1908
279BG	456	S	Railway Sidings	1908
280BF	457	E	Unspecified Tank	1965
281AW	468	E	Unspecified Tanks	1926
282AW	468	E	Unspecified Tanks	1938
283AW	470	E	Unspecified Tanks	1926
284BH	474	E	Unspecified Tanks	1926
285BH	474	E	Unspecified Tank	1949
286BH	474	E	Unspecified Tanks	1926
287BH	474	E	Unspecified Tanks	1938
288BI	475	E	Unspecified Tanks	1926
289BI	475	E	Unspecified Tanks	1938
290	476	SE	Mineral Railway Sidings	1949

291BM	479	SE	Unspecified Tank	1949
292BI	480	E	Unspecified Tanks	1926
293BH	488	SE	Unspecified Tanks	1926

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:

58

ID	Distance (m)	Direction	Use	Date
294BJ	27	S	Tanks	1989
295BJ	28	S	Unspecified Tank	1992
296BJ	28	S	Unspecified Tank	1993
297BJ	28	S	Unspecified Tank	1994
298BJ	28	S	Unspecified Tank	1995
299K	45	S	Tanks	1993
300K	46	S	Tanks	1993
301K	52	S	Unspecified Tank	1993
302K	52	S	Unspecified Tank	1994
303K	52	S	Unspecified Tank	1995
304K	52	S	Unspecified Tank	1989
305BJ	54	S	Unspecified Tank	1965
306BJ	54	S	Unspecified Tank	1989
307BJ	54	S	Unspecified Tank	1980
308BJ	54	S	Unspecified Tank	1993
309BJ	54	S	Unspecified Tank	1994
310BJ	54	S	Unspecified Tank	1995
311BJ	54	S	Unspecified Tank	1965
312P	106	S	Unspecified Tank	1910
313P	112	S	Unspecified Tank	1908
314P	146	S	Unspecified Tank	1965
315P	146	S	Unspecified Tank	1980
316P	146	S	Unspecified Tank	1965
317V	160	S	Unspecified Tank	1965
318V	160	S	Unspecified Tank	1980
319V	160	S	Unspecified Tank	1965
320AB	166	SE	Unspecified Tank	1966
321AB	166	SE	Unspecified Tank	1965
322AM	278	E	Tanks	1965
323AM	278	E	Tanks	1966
324BK	314	S	Tanks	1965
325BK	315	S	Tanks	1965

326BA	427	S	Unspecified Tank	1993
327BA	427	S	Unspecified Tank	1994
328BA	427	S	Unspecified Tank	1995
329BF	442	E	Tanks	1928
330BI	450	E	Tanks	1928
331BF	450	E	Tanks	1928
332BL	453	E	Unspecified Tank	1928
333BL	454	E	Tanks	1928
334BL	459	E	Unspecified Tank	1937
335AW	462	E	Tanks	1928
336AW	469	E	Unspecified Tank	1937
337AW	469	E	Unspecified Tank	1928
338BI	472	E	Tanks	1928
339BI	476	E	Unspecified Tank	1937
340BH	476	E	Unspecified Tank	1928
341BI	478	E	Unspecified Tank	1928
342BI	478	E	Unspecified Tank	1937
343BM	481	SE	Unspecified Tank	1937
344BI	481	E	Tanks	1937
345BI	482	E	Unspecified Tank	1928
346BI	482	E	Tanks	1928
347BH	488	SE	Tanks	1928
348BH	488	SE	Tanks	1937
349BI	490	E	Tanks	1928
350BH	495	SE	Tanks	1937
351BH	495	SE	Tanks	1928

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:

44

ID	Distance (m)	Direction	Use	Date
352BN	101	SE	Electricity Substation	1994
353BN	101	SE	Electricity Substation	1994
354BN	101	SE	Electricity Substation	1981
355AB	122	SE	Electricity Substation	1993
356AB	122	SE	Electricity Substation	1986
357AB	123	SE	Electricity Substation	1971
358AH	208	SE	Electricity Substation	1994
359AH	208	SE	Electricity Substation	1994
360AH	208	SE	Electricity Substation	1981

361BO	268	S	Electricity Substation	1993
362BO	268	S	Electricity Substation	1994
363BO	268	S	Electricity Substation	1995
364BO	275	S	Electricity Substation	1989
365BP	309	E	Electricity Substation	1998
366BP	309	E	Electricity Substation	1997
367BP	309	E	Electricity Substation	1993
368BP	309	E	Electricity Substation	1993
369BQ	318	SE	Electricity Substation	1986
370BQ	318	SE	Electricity Substation	1980
371BQ	318	SE	Electricity Substation	1992
372BQ	332	SE	Electricity Substation	1994
373BQ	332	SE	Electricity Substation	1993
374BQ	332	SE	Electricity Substation	1998
375BQ	332	SE	Electricity Substation	1995
376BQ	332	SE	Electricity Substation	1993
377	338	S	Electricity Transformer	1976
378BR	392	E	Electricity Substation	1981
379BR	393	E	Electricity Substation	1994
380BR	393	E	Electricity Substation	1994
381BS	411	E	Electricity Substation	1986
382BS	411	E	Electricity Substation	1992
383BS	419	E	Electricity Substation	1998
384	461	NE	Electricity Substation	1992
385BT	463	SE	Electricity Substation	1993
386BT	463	SE	Electricity Substation	1993
387BT	463	SE	Electricity Substation	1997
388BT	463	SE	Electricity Substation	1993
389BT	463	SE	Electricity Substation	1998
390BU	491	S	Electricity Substation	1980
391BU	492	S	Electricity Substation	1989
392BU	493	S	Electricity Substation	1994
393BU	493	S	Electricity Substation	1993
394BU	493	S	Electricity Substation	1995
395BV	500	SE	Electricity Substation	1998

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: 15

ID	Distance (m)	Direction	Use	Date
396AH	168	SE	Garage	1966
397AH	176	SE	Garage	1965
398AH	176	SE	Garage	1981
399AH	178	SE	Garage	1994
400AH	178	SE	Garage	1994
401BW	253	SE	Garage	1994
402BW	253	SE	Garage	1994
403BW	256	SE	Garage	1981
404BX	420	S	Garage	1989
405BX	420	S	Garage	1965
406BX	421	S	Garage	1980
407BX	421	S	Garage	1965
408BX	421	S	Garage	1995
409BX	421	S	Garage	1994
410BX	421	S	Garage	1993

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: 124

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

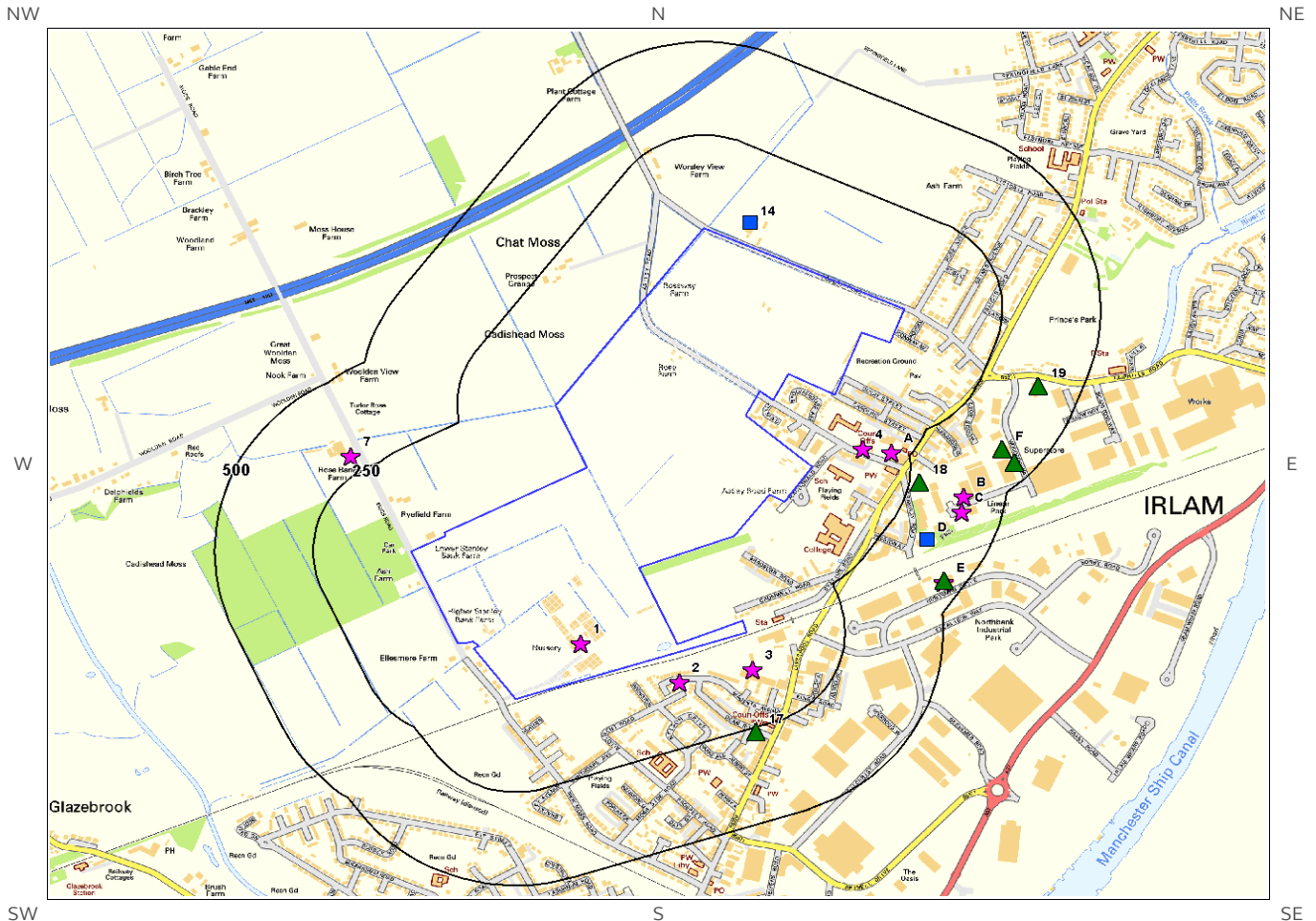
ID	Distance(m)	Direction	Use	Date
411A	0	On Site	Cuttings	1949
412T	0	On Site	Cuttings	1938
413C	0	On Site	Cuttings	1894

414D	0	On Site	Cuttings	1938
415D	0	On Site	Cuttings	1949
416B	0	On Site	Cuttings	1965
417B	0	On Site	Cuttings	1949
418A	0	On Site	Cuttings	1908
419A	0	On Site	Cuttings	1908
420A	0	On Site	Cuttings	1908
421A	0	On Site	Cuttings	1949
422A	0	On Site	Cuttings	1904
423A	0	On Site	Cuttings	1926
424B	0	On Site	Cuttings	1904
425BY	0	On Site	Cuttings	1894
426B	0	On Site	Cuttings	1926
427A	0	On Site	Cuttings	1926
428C	0	On Site	Cuttings	1904
429D	0	On Site	Cuttings	1926
430E	0	On Site	Cuttings	1965
431O	21	N	Unspecified Ground Workings	1926
432N	22	E	Unspecified Ground Workings	1949
433K	23	S	Unspecified Ground Workings	1965
434O	34	N	Unspecified Ground Workings	1949
435S	35	SW	Cuttings	1908
436S	42	SW	Cuttings	1894
437S	42	SW	Cuttings	1904
438T	42	SW	Cuttings	1995
439T	42	SW	Cuttings	1979
440S	43	SW	Cuttings	1926
441S	45	SW	Cuttings	1908
442S	45	SW	Cuttings	1908
443E	46	SW	Cuttings	1926
444T	46	SW	Cuttings	1949
445K	53	S	Unspecified Ground Workings	1908
446K	53	S	Unspecified Ground Workings	1908
447AA	122	E	Cuttings	1904
448AA	124	E	Cuttings	1894
449AE	149	E	Brick Field	1851
450AA	157	E	Unspecified Ground Workings	1949
451AA	169	E	Unspecified Pit	1904
452AF	170	SE	Brick Works	1908
453AJ	172	SE	Brick Works	1904
454AA	174	E	Unspecified Pit	1904

















455AA	174	E	Unspecified Pit	1904
456AA	176	E	Unspecified Pit	1904
457AF	177	SE	Brick Works	1908
458AF	177	SE	Brick Works	1908
459AG	183	E	Cuttings	1904
460BZ	196	SW	Cuttings	1995
461BZ	196	SW	Cuttings	1979
462AG	202	E	Cuttings	1979
463AG	202	E	Cuttings	1995
464AG	204	E	Cuttings	1938
465AG	204	E	Cuttings	1926
466AG	205	E	Cuttings	1894
467AJ	208	SE	Unspecified Ground Workings	1908
468AI	208	SE	Cuttings	1894
469AI	208	SE	Cuttings	1904
470AG	208	E	Unspecified Pit	1904
471AJ	209	SE	Unspecified Pit	1904
472AL	210	SE	Brick Field	1894
473BZ	211	SW	Cuttings	1949
474AJ	214	SE	Unspecified Ground Workings	1908
475AJ	214	SE	Unspecified Ground Workings	1908
476CA	215	E	Pond	1904
477CA	222	E	Pond	1904
478CA	223	E	Pond	1904
479CA	223	E	Pond	1904
480AI	229	SE	Unspecified Pit	1938
481AI	229	SE	Unspecified Pit	1926
482AI	230	SE	Unspecified Ground Workings	1926
483AI	231	SE	Unspecified Pit	1965
484AI	232	SE	Unspecified Ground Workings	1949
485AI	233	SE	Gravel Pit	1949
486AL	235	SE	Unspecified Pit	1904
487AM	236	E	Unspecified Pit	1904
488AM	245	E	Unspecified Pit	1904
489AM	247	E	Unspecified Pit	1904
490AM	247	E	Unspecified Pit	1904
491AN	251	SE	Brick Field	1851
492AV	256	SE	Refuse Heap	1851
493AI	259	SE	Cuttings	1894
494AI	260	SE	Cuttings	1904
495R	274	SW	Cuttings	1926
496W	275	SW	Cuttings	1904

497AL	278	SE	Refuse Heap	1949
498BO	281	S	Ponds	1908
499CB	285	S	Ponds	1904
500CB	286	S	Pond	1894
501AQ	287	NW	Cuttings	1979
502AQ	287	NW	Cuttings	1995
503W	288	SW	Cuttings	1965
504AR	289	NW	Cuttings	1995
505AR	289	NW	Cuttings	1979
506AN	290	SE	Unspecified Heap	1995
507W	292	SW	Cuttings	1938
508W	292	SW	Cuttings	1926
509CB	292	S	Pond	1851
510W	292	SW	Cuttings	1949
511AT	303	SE	Refuse Heaps	1926
512AT	304	SE	Sand Pit	1938
513AT	304	SE	Sand Pit	1926
514	315	SE	Unspecified Pit	1904
515AV	317	E	Unspecified Ground Workings	1949
516CC	317	E	Unspecified Ground Workings	1949
517AV	318	SE	Unspecified Ground Workings	1965
518CC	319	E	Unspecified Ground Workings	1965
519AV	319	E	Unspecified Ground Workings	1949
520AN	354	SE	Unspecified Ground Workings	1949
521BR	355	E	Pond	1851
522AY	386	S	Refuse Heap	1949
523AY	390	S	Refuse Heap	1949
524BB	399	SE	Unspecified Ground Workings	1949
525BA	399	S	Unspecified Pit	1908
526BA	405	S	Unspecified Pit	1908
527BA	405	S	Unspecified Pit	1908
528BA	405	S	Pond	1904
529BB	408	SE	Unspecified Heap	1926
530BD	408	E	Refuse Heap	1949
531BD	418	E	Refuse Heap	1965
532BD	419	E	Refuse Heap	1949
533CD	435	E	Pool	1979
534CD	435	E	Pool	1995

2. Environmental Permits, Incidents and Registers Map



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- | | | | | | |
|---|---|---|---------------------------------------|---|--|
|  | Site Outline |  | Recorded Pollution Incident |  | RAS 3 & 4 Authorisations |
|  | Dangerous Substances (List 1) |  | Dangerous Substances (List 2) |  | Part A(1) Authorised Processes and Historic IPC Authorisations |
|  | Water Industry Referrals |  | Licensed Discharge Consents |  | Part A(2) and Part B Authorised Processes |
|  | Hazardous Substance Consents and Enforcements |  | Sites Determined as Contaminated Land |  | COMAH / NIHS Sites |
|  | Search Buffers (m) |  | Red List Discharge Consents | | |
|  | 250 | | | | |
|  | 500 | | | | |

2. Environmental Permits, Incidents and Registers

2.1 Industrial Sites Holding Licences and/or Authorisations

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

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

0

Database searched and no data found.

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

0

Database searched and no data found.

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

0

Database searched and no data found.

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

0

Database searched and no data found.

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

0

Database searched and no data found.

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

6

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
17	267	S	371264 392829	Address: Casco Nobel Inks Limited, Dean Road, Cadishead, M44 5AE Process: Manufacture of Coating Materials Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of Enforcement: No Enforcements Notified Comment: No Enforcements Notified
18	275	E	371680 393500	Address: P P O'connor Ltd, Thames Trading Estate, Woodrow Way, Irlam, M44 6NN Process: Other Mineral Processes Status: Historical Permit Permit Type: Part B	Enforcement: Enforcement Notified Date of Enforcement: 22/07/2005 Comment: EPA S13 Enforcement Notice
19	396	E	371983 393758	Address: Tesco - Irlam, Fairhills Road, Irlam, M35 6BA Process: Unloading of Petrol into Storage at Service Stations Status: Current Permit Permit Type: Part B	Enforcement: Enforcement Notified Date of Enforcement: 01/10/2010 Comment: N/A
20F	408	SE	371891 393587	Address: County Enviro Limited, Unit 2 Fairhills Industrial Estate, Woodrow Way, Irlam, M44 6BA Process: Other Mineral Processes Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of Enforcement: No Enforcements Notified Comment: No Enforcements Notified
21E	453	SE	371744 393237	Address: Wyke Commercial Services Ltd, Huntsman Drive, Irlam, M44 5EG Process: Respraying of Road Vehicles Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of Enforcement: No Enforcements Notified Comment: No Enforcements Notified
22F	456	SE	371923 393550	Address: Csj Ltd, Fairhill Industrial Estate, Woodrow Way, Irlam, M44 6ZQ Process: Other Mineral Processes Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of Enforcement: No Enforcements Notified Comment: No Enforcements Notified

2.1.7 Records of Category 3 or 4 Radioactive Substances Authorisations:

0

Database searched and no data found.

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

3

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

ID	Distance (m)	Direction	NGR	Details	
14	58	NE	371250 394200	Address: MOSS BROW FARM, ROSCOE ROAD, IRLAM, GREATER MANCHESTER Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: 016990370 Permit Version: 1	Receiving Water: TRIB M/CHESTER SHIP CANAL Status: PRE NRA LEGISLATION WHERE ISSUE DATE < 01-SEP-89 (HISTORIC ONLY) Issue date: Effective Date: 16-Jun-1982 Revocation Date:
15D	351	SE	371700 393350	Address: PRESTON AVENUE WW NTKW PS, S/O HALL PRESTON AVENUE, IRLAM, MANCHESTER, GREATER MANCHESTER, M44 5XB Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01SAL0005 Permit Version: 2	Receiving Water: TRIB M/CHESTER SHIP CANAL Status: VARIED UNDER EPR 2010 Issue date: 14/04/2009 Effective Date: 14-Apr-2009 Revocation Date: 09/06/2016
16D	351	SE	371700 393350	Address: PRESTON AVENUE WW NTKW PS, S/O HALL PRESTON AVENUE, IRLAM, MANCHESTER, GREATER MANCHESTER, M44 5XB Effluent Type: MISCELLANEOUS DISCHARGES - EMERGENCY DISCHARGES Permit Number: 01SAL0005 Permit Version: 1	Receiving Water: TRIB M/CHESTER SHIP CANAL Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: Effective Date: 01-Jan-1995 Revocation Date: 13/04/2009

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:

13

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

ID	Distance (m)	Direction	NGR	Details
1	0	On Site	370817 393070	Incident Date: 18-Jan-2002 Incident Identification: 53324 Pollutant: General Biodegradable Materials and Wastes Pollutant Description: Vegetable Cuttings and Deposits Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
2	78	S	371069 392967	Incident Date: 10-May-2002 Incident Identification: 78013 Pollutant: Specific Waste Materials Pollutant Description: Asbestos Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
3	100	S	371254 393001	Incident Date: 03-Apr-2009 Incident Identification: 667453 Pollutant: Specific Waste Materials Pollutant Description: Tyres Water Impact: Category 4 (No Impact) Land Impact: Category 2 (Significant) Air Impact: Category 4 (No Impact)
4	135	E	371535 393594	Incident Date: 16-May-2001 Incident Identification: 5681 Pollutant: Inert Materials and Wastes Pollutant Description: Construction and Demolition Materials and Wastes Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
5A	203	E	371609 393583	Incident Date: 25-Jul-2001 Incident Identification: 19160 Pollutant: Inert Materials and Wastes Pollutant Description: Construction and Demolition Materials and Wastes Water Impact: Category 3 (Minor) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
6A	203	E	371609 393583	Incident Date: 25-Jul-2001 Incident Identification: 19160 Pollutant: Inert Materials and Wastes Pollutant Description: Construction and Demolition Materials and Wastes Water Impact: Category 3 (Minor) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
7	299	NW	370233 393574	Incident Date: 29-Mar-2002 Incident Identification: 67572 Pollutant: Oils and Fuel Pollutant Description: Kerosene and Aviation Fuel Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
8B	393	E	371793 393464	Incident Date: 30-Aug-2002 Incident Identification: 104076 Pollutant: Inert Materials and Wastes: Specific Waste Materials Pollutant Description: Construction and Demolition Materials and Wastes: Asbestos Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)

ID	Distance (m)	Direction	NGR	Details	
9B	393	E	371793 393464	Incident Date: 30-Aug-2002 Incident Identification: 104076 Pollutant: Specific Waste Materials Pollutant Description: Asbestos	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
10B	393	E	371793 393464	Incident Date: 30-Aug-2002 Incident Identification: 104076 Pollutant: Inert Materials and Wastes Pollutant Description: Construction and Demolition Materials and Wastes	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
11C	397	E	371786 393423	Incident Date: 06-May-2011 Incident Identification: 882502 Pollutant: Specific Waste Materials Pollutant Description: Commercial Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 2 (Significant) Air Impact: Category 3 (Minor)
12C	397	E	371786 393423	Incident Date: 06-May-2011 Incident Identification: 882502 Pollutant: Specific Waste Materials Pollutant Description: Other Specific Waste Material	Water Impact: Category 4 (No Impact) Land Impact: Category 2 (Significant) Air Impact: Category 3 (Minor)
13E	453	SE	371742 393235	Incident Date: 15-May-2001 Incident Identification: 5838 Pollutant: Other Pollutant Pollutant Description: Other	Water Impact: Category 3 (Minor) 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

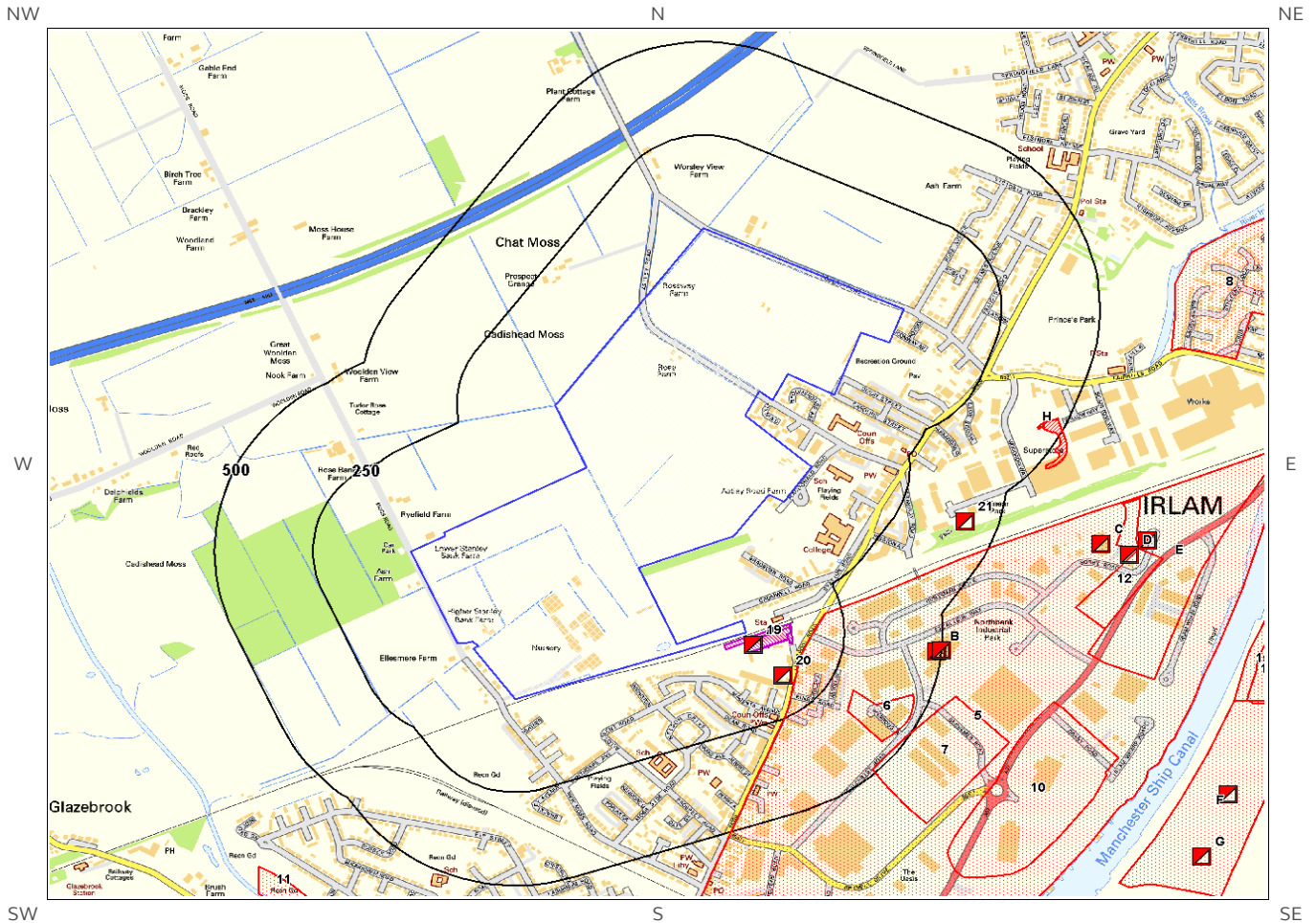
Database searched and no data found.

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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- | | | | | | |
|---|------------------------|---|---------------------------|---|---|
|  | Site Outline |  | EA/NRW Active Landfill |  | Historic and Planned Waste Sites |
|  | 250 Search Buffers (m) |  | EA/NRW Historic Landfill |  | EA/NRW Licensed Waste Site |
|  | 500 Search Buffers (m) |  | BGS / DoE Survey Landfill |  | Local Authority/Historical Mapping Landfill Records |

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:

14

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
5	152	SE		Site Address: North Bank Industrial Estate, Irlam, Greater Manchester Waste Licence: - Site Reference: RD/LIC/299/83, E058 Waste Type: - Environmental Permitting Regulations (Waste) Reference: - Licence Issue: Licence Surrendered: Licence Holder Address: - Operator: Manchester Demolition Company Limited Licence Holder: - First Recorded: - Last Recorded: -
6	315	SE		Site Address: Units 31-36 Irlam Northbank Industrial Estate, Irlam, Greater Manchester Waste Licence: Yes Site Reference: RD/LIC/864/92, GDO E072 Waste Type: Inert, Industrial, Commercial, Household, Special Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 02-Dec-1993 Licence Surrendered: Licence Holder Address: - Operator: - Licence Holder: Trafford Park Development Corporation First Recorded: 31-Dec-1994 Last Recorded: -
7	487	SE		Site Address: Units 31-36 Irlam Northbank Industrial Estate, Irlam, Greater Manchester Waste Licence: Yes Site Reference: RD/LIC/864/92, GDO E072 Waste Type: Inert, Industrial, Commercial, Household, Special Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 02-Dec-1993 Licence Surrendered: Licence Holder Address: - Operator: - Licence Holder: Trafford Park Development Corporation First Recorded: 31-Dec-1994 Last Recorded: -
8	690	E		Site Address: Irlam Locks, Irlam, Greater Manchester Waste Licence: - Site Reference: E108 Waste Type: - Licence Issue: Licence Surrendered: Licence Holder Address: - Operator: - Licence Holder: -

ID	Distance (m)	Direction	NGR	Details
				Environmental Permitting Regulations (Waste) Reference: - First Recorded: - Last Recorded: -
9E	736	SE		Site Address: Irlam North Bank Industrial Estate, Adjacent to Railway Embankment, Irlam Waste Licence: Yes Site Reference: E065, RD/LIC/641/90 Waste Type: Inert Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 23-Apr-1991 Licence Surrendered: 17-Mar-1992 Licence Holder Address: Waterside, Trafford Wharf Road, Trafford Park Road, Trafford Operator: - Licence Holder: Trafford Park Development Corporation First Recorded: 31-Dec-1991 Last Recorded: 17-Mar-1992
10	746	SE		Site Address: Plots 40, 41 and 42. Plot C17, Northbank Industrial Park, Irlam Waste Licence: Yes Site Reference: 0680, GDO E068, E073, RD/LIC/832/92 Waste Type: Inert, Industrial, Commercial, Household Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 12-Nov-1991 Licence Surrendered: Licence Holder Address: - Operator: - Licence Holder: Trafford Park Development Corporation First Recorded: 31-Jan-1992 Last Recorded: 30-Jun-1992
11	748	SW		Site Address: Lords Street, Cadishead, Greater Manchester Waste Licence: - Site Reference: E051 Waste Type: - Environmental Permitting Regulations (Waste) Reference: - Licence Issue: Licence Surrendered: Licence Holder Address: - Operator: - Licence Holder: - First Recorded: - Last Recorded: -
12	771	SE		Site Address: Northbank Industrial Estate No.3 Tip, Irlam, Greater Manchester Waste Licence: Yes Site Reference: E068, RD/LIC/680/91 Waste Type: Inert, Industrial, Commercial, Household Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 23-Apr-1991 Licence Surrendered: 19-Mar-1992 Licence Holder Address: - Operator: - Licence Holder: Trafford Park Development Corporation First Recorded: 01-May-1991 Last Recorded: 19-Mar-1992
Not shown	793	SW		Site Address: Cadishead Sewage Works, Cadishead Sewage Works, Greater Manchester Waste Licence: - Site Reference: E050 Waste Type: - Environmental Permitting Regulations (Waste) Reference: - Licence Issue: Licence Surrendered: Licence Holder Address: - Operator: - Licence Holder: - First Recorded: - Last Recorded: -
Not shown	1125	SE		Site Address: Carrington Power Station, Carrington, Manchester, Greater Manchester Waste Licence: - Site Reference: - Waste Type: Inert, Industrial Environmental Permitting Regulations (Waste) Reference: - Licence Issue: Licence Surrendered: Licence Holder Address: - Operator: Central Electricity Generating Board Licence Holder: - First Recorded: 31-Dec-1952 Last Recorded: -
15	1157	SE		Site Address: Carrington Power Station, Carrington, Near Urmston, Greater Manchester Waste Licence: Yes Site Reference: GDO H003, RD/LIC/052/76, RD/LIC/043/76, 0043 Waste Type: Inert, Industrial Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 21-Apr-1977 Licence Surrendered: Licence Holder Address: Europa House, Bird Hall Lane, Cheadle Heath, Stockport Operator: - Licence Holder: Central Electricity Generating Board First Recorded: - Last Recorded: -
16F	1163	SE		Site Address: Peaks Nook, Off Manchester Road, Carrington, Irlam, Greater Manchester Licence Issue: 01-Jun-1988 Licence Surrendered: 19-Sep-2003 Licence Holder Address: -

ID	Distance (m)	Direction	NGR	Details
				Waste Licence: Yes Site Reference: H045, WML/0502 Waste Type: Inert, Industrial, Commercial, Special Environmental Permitting Regulations (Waste) Reference: NR1/L/VWM002 Operator: Viridor Waste Management Licence Holder: Viridor Waste Management Limited First Recorded: 01-Jul-1988 Last Recorded: 31-Dec-1996
Not shown	1184	NE		Site Address: Ferryhill, Irlam, Greater Manchester Waste Licence: - Site Reference: E042 Waste Type: Inert, Industrial, Commercial, Household, Special, Liquid sludge Environmental Permitting Regulations (Waste) Reference: - Licence Issue: Licence Surrendered: Licence Holder Address: - Operator: - Licence Holder: Greater Manchester Waste Disposal Authority First Recorded: 31-Dec-1968 Last Recorded: 01-Feb-1975
18	1247	SE		Site Address: Drying Out Ground, Carrington Power Station, Grounds, Greater Manchester Waste Licence: - Site Reference: - Waste Type: Inert, Industrial Environmental Permitting Regulations (Waste) Reference: - Licence Issue: Licence Surrendered: Licence Holder Address: - Operator: P J Stephens Licence Holder: - First Recorded: 31-Dec-1962 Last Recorded: -

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

2

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

ID	Distance (m)	Direction	NGR	Details
Not shown	1384	E	373000.0 393700.0	Address: Carrington Power Stn, Carrington, Manchester BGS Number: 2789.0 Risk: Risk to minor aquifer Waste Type: N/A
Not shown	1402	SE	372700.0 393000.0	Address: Drying out ground, Carrington Power Stn, Grounds BGS Number: 2790.0 Risk: Risk to minor aquifer Waste Type: N/A

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

7

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
47H	439	SE	371992 393656	Refuse Tip	1964 mapping	Polygon
48H	439	SE	371992 393656	Refuse Tip	1966 mapping	Polygon
49H	448	SE	372051 393609	Refuse Tip	1965 mapping	Polygon

ID	Distance (m)	Direction	NGR	Site Address	Source	Data Type
50H	448	SE	372051 393608	Refuse Tip	1965 mapping	Polygon
Not shown	1206	NE	372759 394473	Refuse Tip	1966 mapping	Polygon
Not shown	1207	NE	372759 394473	Refuse Tip	1966 mapping	Polygon
Not shown	1235	NE	372789 394470	Refuse Tip	1972 mapping	Polygon

3.2 Other Waste Sites

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

2

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

ID	Distance (m)	Direction	NGR	Details		
3A	13	S	371273 393085	Type of Site: Scrap Yard Site Address: N/A	Planning Application Reference: N/A Date: 1993	Further Details: N/A Data Source: Historic Mapping Data Type: Polygon
4A	23	SE	371296 393080	Type of Site: Scrap Yard Site Address: N/A	Planning Application Reference: N/A Date: 1986	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:

28

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	
19	38	SE	371260 393068	Site Address: Irlam Industrial Estate, Unit 4a, 656 Liverpool Road, Irlam, Manchester, M44 5AZ Type: Transfer Station taking Non-Biodegradable Wastes Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: MSK001 EPR reference: EA/EPR/NP3798CF/A001 Operator: Bates Malcolm Waste Management licence No: 50054 Annual Tonnage: 3801.0	Issue Date: 27/09/2002 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued Site Name: Manchester Skips Correspondence Address: -
20	147	SE	371335 392987	Site Address: Irlam Industrial Estate, Unit 4a, 656 Liverpool Road, Irlam, Manchester,	Issue Date: 27/09/2002 Effective Date: -

ID	Distance (m)	Direction	NGR	Details
				<p>M44 5AZ Type: Transfer Station taking Non-Biodegradable Wastes Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: MSK001 EPR reference: NP3798CF/A001 Operator: Manchester Skips (Uk) Waste Management licence No: 50054 Annual Tonnage: 3801.0</p> <p>Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued Site Name: Manchester Skips Correspondence Address: -</p>
21	417	E	371800 393400	<p>Site Address: Unit B, Woodrow Way, Fairfield Strret, Irlam, Salford, Lancashire, M44 6ZQ Type: Metal Recycling Site (Vehicle Dismantler) Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: FIR011 EPR reference: EA/EPR/QP3794CX/S002 Operator: First Step Trust Ltd Waste Management licence No: 50497 Annual Tonnage: 0.0</p> <p>Issue Date: 14/09/2007 Effective Date: - Modified: - Surrendered Date: 10/11/2009 Expiry Date: - Cancelled Date: - Status: Surrendered Site Name: - Correspondence Address: -</p>
22B	487	E	371727 393052	<p>Site Address: Biffa Material Resource Centre, Gilchrist Road, Northback Ind Estate, Irlam, Gr. Manchester, M44 5AY Type: 75kte Materials Recycling Facility Size: >= 25000 tonnes < 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: BIF080 EPR reference: CP3093MH/A001 Operator: Biffa Waste Services Limited Waste Management licence No: 100619 Annual Tonnage: 0.0</p> <p>Issue Date: 28/11/2008 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued Site Name: Material Resource Centre Correspondence Address: -</p>
23B	487	E	371727 393052	<p>Site Address: Biffa Material Resource Centre, Gilchrist Road, Northback Ind Estate, Irlam, Gtr Manchester, M44 5AY Type: 75kte Materials Recycling Facility Size: >= 25000 tonnes < 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: BIF080 EPR reference: EA/EPR/CP3093MH/A001 Operator: Biffa Waste Services Ltd Waste Management licence No: 100619 Annual Tonnage: 74999.0</p> <p>Issue Date: 28/11/2008 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued Site Name: Irlam - Material Resource Centre Correspondence Address: -</p>
24B	498	E	371738 393054	<p>Site Address: Material Resource Centre, Gilchrist Road, Northbank Ind Estate, Irlam, Gtr Manchester, M44 5AY Type: Material Recycling Treatment Facility Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: BIF080 EPR reference: EA/EPR/CP3093MH/V Operator: Biffa Waste Services Ltd Waste Management licence No: 100619 Annual Tonnage: 90000.0</p> <p>Issue Date: 28/11/2008 Effective Date: - Modified: 11/01/2017 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified Site Name: Irlam - Material Resource Centre Correspondence Address: -</p>
25B	498	E	371738 393054	<p>Site Address: Material Resource Centre, Gilchrist Road, Northbank Ind Estate, Irlam, Gtr Manchester, M44 5AY Type: Material Recycling Treatment Facility Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: BIF080 EPR reference: EA/EPR/CP3093MH/V Operator: Biffa Waste Services Limited</p> <p>Issue Date: 28/11/2008 Effective Date: - Modified: 11/01/2017 Surrendered Date: 0 Expiry Date: 0 Cancelled Date: 0 Status: Modified Site Name: Irlam - Material Resource Centre Correspondence Address: -</p>

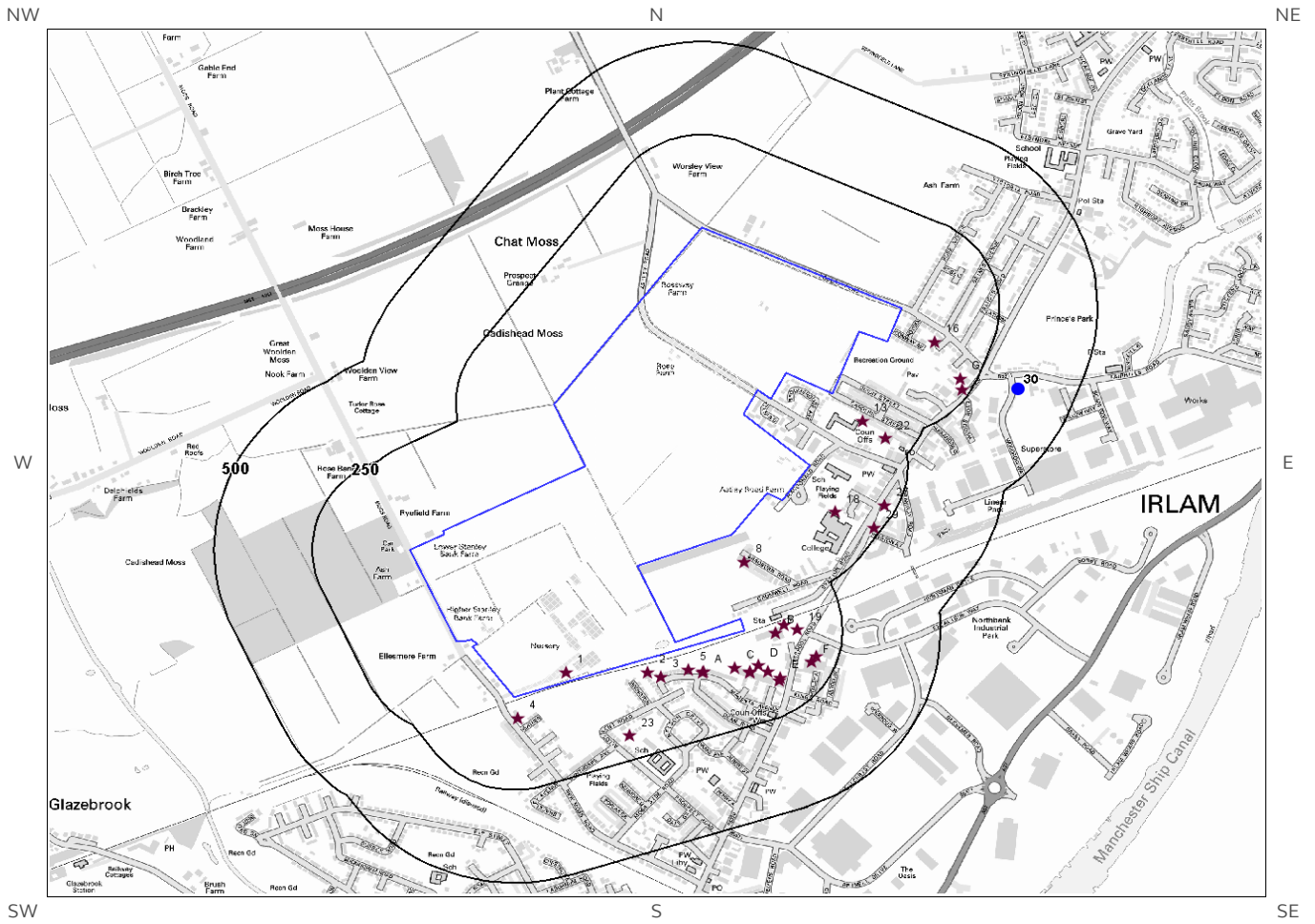
ID	Distance (m)	Direction	NGR	Details	
				Waste Management licence No: 100619 Annual Tonnage: 90000.0	
26B	498	E	371738 393054	Site Address: Material Resource Centre, Gilchrist Road, Northbank Ind Park, Irlam, Gtr Manchester, M44 5AY Type: Material Recycling Treatment Facility Size: >= 25000 tonnes < 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: BIF080 EPR reference: EA/EPR/CP3093MH/V002 Operator: Biffa Waste Services Ltd Waste Management licence No: 100619 Annual Tonnage: 40000.0	Issue Date: 28/11/2008 Effective Date: - Modified: 05/12/2013 Surrendered Date: 0 Expiry Date: - Cancelled Date: - Status: Modified Site Name: Irlam - Material Resource Centre Correspondence Address: -
27B	498	E	371738 393054	Site Address: Material Resource Centre, Gilchrist Road, Northbank Ind Estate, Irlam, Gtr Manchester, M44 5AY Type: Material Recycling Treatment Facility Size: >= 25000 tonnes < 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: BIF080 EPR reference: EA/EPR/CP3093MH/V003 Operator: Biffa Waste Services Limited Waste Management licence No: 100619 Annual Tonnage: 74999.0	Issue Date: 28/11/2008 Effective Date: - Modified: 23/06/2016 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified Site Name: Irlam - Material Resource Centre Correspondence Address: -
28C	761	SE	372144 393340	Site Address: Northbank Industrial Park, Sorby Road, Irlam, Manchester Type: Special Waste Transfer Station Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: MLT001 EPR reference: EA/EPR/ZP3496CZ/S002 Operator: Multisol Ltd Waste Management licence No: 53789 Annual Tonnage: 50000.0	Issue Date: 18/05/1993 Effective Date: - Modified: - Surrendered Date: 05/09/2000 Expiry Date: - Cancelled Date: - Status: Surrendered Site Name: - Correspondence Address: -
29C	761	SE	372144 393340	Site Address: Northbank Industrial Park, Sorby Road, Irlam, Manchester Type: Special Waste Transfer Station Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: MLT001 EPR reference: EA/EPR/ZP3496CZ/S002 Operator: Multisol Ltd. Waste Management licence No: 53789 Annual Tonnage: 50000.0	Issue Date: 18/05/1993 Effective Date: - Modified: - Surrendered Date: 05/09/2000 Expiry Date: - Cancelled Date: - Status: Surrendered Site Name: - Correspondence Address: -
30D	835	SE	372218 393310	Site Address: Sorby Road, Irlam, Manchester, M44 5BA Type: Physical Treatment Facility Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: OGA001 EPR reference: - Operator: Frank O' Gara & Sons Ltd Waste Management licence No: 50075 Annual Tonnage: 2083.0	Issue Date: 08/02/2002 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued Site Name: Frank O' Gara & Sons Ltd Correspondence Address: Sorby Road, Irlam, Manchester, M44 5BA
31D	835	SE	372218 393310	Site Address: Northbank Industrial Park, Sorby Road, Irlam, Manchester, M44 5BA Type: Physical Treatment Facility Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: OGA001 EPR reference: - Operator: Frank O' Gara & Sons Ltd Waste Management licence No: 50075	Issue Date: 08/02/2002 Effective Date: - Modified: 12/03/2004 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified Site Name: Frank O' Gara & Sons Ltd Correspondence Address: Northbank

ID	Distance (m)	Direction	NGR	Details	
				Annual Tonnage: 75000.0	Industrial Park, Sorby Road, Irlam, Manchester, M44 5BA
32E	845	SE	372264 393348	Site Address: Northbank Industrial Park, Sorby Road, Irlam, Manchester, M44 5BA Type: Inert & excavation Waste TS + treatment Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: OGA001 EPR reference: EA/EPR/VP3298CT/V003 Operator: Frank O' Gara & Sons Ltd Waste Management licence No: 50075 Annual Tonnage: 74999.0	Issue Date: 08/02/2002 Effective Date: - Modified: 27/10/2010 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified Site Name: Frank O' Gara & Sons Ltd Correspondence Address: -
33F	1301	E	372469 392668	Site Address: Manchester Road, Carrington, Manchester, M31 Type: Other Landfill Site taking Special Waste Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: VWM002 EPR reference: - Operator: Viridor Waste Exeter Ltd Waste Management licence No: 53703 Annual Tonnage: 0.001	Issue Date: 13/01/1988 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued Site Name: Peak Nook Landfill Site Correspondence Address: Great Western House, Station Approach, Taunton, Somerset, TA1 1QW
34G	1305	SE	372400 392500	Site Address: Manchester Road, Carrington, Manchester, M31 Type: Other Landfill Site taking Special Waste Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: VWM002 EPR reference: EA/EPR/UP3996CA/S002 Operator: Viridor Waste Management Ltd Waste Management licence No: 53703 Annual Tonnage: 300000.0	Issue Date: 10/11/1994 Effective Date: - Modified: - Surrendered Date: 19/09/2003 Expiry Date: - Cancelled Date: - Status: Surrendered Site Name: - Correspondence Address: -
35G	1305	SE	372400 392500	Site Address: Manchester Road, Carrington, Manchester, M31 Type: Other Landfill Site taking Special Waste Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: VWM002 EPR reference: - Operator: Viridor Waste Management Waste Management licence No: 53703 Annual Tonnage: 0.0	Issue Date: 10/11/1994 Effective Date: - Modified: - Surrendered Date: 19/09/2003 Expiry Date: - Cancelled Date: - Status: Surrendered Site Name: - Correspondence Address: Great Western House, Station Approach, Taunton, Somerset, TA1 1QW
36G	1305	SE	372400 392500	Site Address: Manchester Road, Carrington, Manchester, M31 Type: Other Landfill Site taking Special Waste Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: VWM002 EPR reference: - Operator: Viridor Waste Management Waste Management licence No: 53703 Annual Tonnage: 0.0	Issue Date: 10/11/1994 Effective Date: - Modified: - Surrendered Date: 19/09/2003 Expiry Date: - Cancelled Date: - Status: Surrendered Site Name: - Correspondence Address: Great Western House, Station Approach, Taunton, Somerset, TA1 1QW
Not shown	1319	SE	372250 392250	Site Address: Environmental Services, Bridgewater House, Manchester Road, Carrington, Manchester, M31 4QN Type: Household, Commercial & Industrial Waste T Stn Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: AME071	Issue Date: 14/03/2003 Effective Date: 02/09/2015 Modified: 27/05/2014 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred Site Name: Carrington Works

ID	Distance (m)	Direction	NGR	Details
				EPR reference: EA/EPR/JP3898CT/V003 Operator: Amey L G Limited Waste Management licence No: 50150 Annual Tonnage: 29999.0 Correspondence Address: -
Not shown	1319	SE	372250 392250	Site Address: Bridgewater House, Manchester Road, Carrington, Manchester, M31 4AU Type: Special Waste Transfer Station Size: >= 25000 tonnes < 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: TBC001 EPR reference: - Operator: Trafford Metropolitan Borough Council Waste Management licence No: 50150 Annual Tonnage: 0.0 Issue Date: 14/03/2003 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued Site Name: Carrington Depot Correspondence Address: Bridgewater House, Manchester Road, Carrington, Manchester, M31 4AU
Not shown	1319	SE	372250 392250	Site Address: Bridgewater House, Manchester Road, Carrington, Manchester, M31 4QN Type: Household, Commercial & Industrial Waste T Stn Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: TBC001 EPR reference: EA/EPR/JP3898CT/V002 Operator: Trafford Metropolitan Borough Council Waste Management licence No: 50150 Annual Tonnage: 29999.0 Issue Date: 14/03/2003 Effective Date: - Modified: 11/07/2005 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified Site Name: Carrington Depot Correspondence Address: -
Not shown	1319	SE	372250 392250	Site Address: Bridgewater House, Manchester Road, Carrington, Manchester, M31 4AU Type: Household, Commercial & Industrial Waste T Stn Size: >= 25000 tonnes < 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: TBC001 EPR reference: - Operator: Trafford Metropolitan Borough Council Waste Management licence No: 50150 Annual Tonnage: 0.0 Issue Date: 14/03/2003 Effective Date: - Modified: 11/07/2005 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified Site Name: Carrington Depot Correspondence Address: Bridgewater House, Manchester Road, Carrington, Manchester, M31 4AU
Not shown	1319	SE	372250 392250	Site Address: Environmental Services, Bridgewater House, Manchester Road, Carrington, Manchester, M31 4QN Type: Household, Commercial & Industrial Waste T Stn Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: TBC001 EPR reference: EA/EPR/JP3898CT/V003 Operator: Trafford Metropolitan Borough Council Waste Management licence No: 50150 Annual Tonnage: 29999.0 Issue Date: 14/03/2003 Effective Date: - Modified: 27/05/2014 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified Site Name: Trafford Council Correspondence Address: -
Not shown	1319	SE	372250 392250	Site Address: Environmental Services, Bridgewater House, Manchester Road, Carrington, Manchester, M31 4QN Type: Household, Commercial & Industrial Waste T Stn Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: AME071 EPR reference: EA/EPR/JP3898CT/V003 Operator: Amey L G Limited Waste Management licence No: 50150 Issue Date: 14/03/2003 Effective Date: 02/09/2015 Modified: 27/05/2014 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred Site Name: Carrington Works Correspondence Address: -

ID	Distance (m)	Direction	NGR	Details	
Annual Tonnage: 29999.0					
Not shown	1330	S	370712 391593	Site Address: Liverpool Road, Cadishead, Manchester, M44 5DT Type: - Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: CSG001 EPR reference: - Operator: Cleansing Service Group Ltd Waste Management licence No: 50499 Annual Tonnage: 0.0	Issue Date: 02/02/2007 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: IPPC Site Name: C S G Lanstar P P C Correspondence Address: Liverpool Road, Cadishead, Manchester, M44 5DT
Not shown	1330	S	370712 391593	Site Address: Liverpool Road, Cadishead, Manchester, M44 5DT Type: Physico-Chemical Treatment Facility Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: CSG001 EPR reference: EA/EPR/PP3092CF/A001 Operator: Cleansing Service Group Ltd Waste Management licence No: 50499 Annual Tonnage: 90430.0	Issue Date: 02/02/2007 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: To PPC Site Name: C S G Lanstar P P C Correspondence Address: -
Not shown	1330	S	370712 391593	Site Address: Land/premises At, Liverpool Road, Cadishead, Manchester, M44 5DT Type: Physico-Chemical Treatment Facility Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: LLT003 EPR reference: EA/EPR/CP3592CK/A001 Operator: Lanstar Ltd Waste Management licence No: 53517 Annual Tonnage: 2083.33	Issue Date: 07/12/1979 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued Site Name: Lanstar Ltd Correspondence Address: -
Not shown	1364	SW	370070 391690	Site Address: Glazebrook Lane, Glazebrook, Warrington, Cheshire, WA3 5BL Type: Incinerator Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: CPC001 EPR reference: EA/EPR/FP3998CG/S002 Operator: Cheshire Pet Crematorium Ltd Waste Management licence No: 50006 Annual Tonnage: 100.0	Issue Date: 28/08/1998 Effective Date: - Modified: - Surrendered Date: 17/07/2003 Expiry Date: - Cancelled Date: - Status: Surrendered Site Name: Lea Brook Farm Correspondence Address: -

4. Current Land Use Map



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-  Site Outline
-  Current Industrial Sites
-  Electricity Transmission Cables
-  Petrol & Fuel Sites
-  Gas Transmission Pipelines
-  Search Buffers (m)

4. Current Land Uses

4.1 Current Industrial Data

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

29

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

ID	Distance (m)	Direction	Company	NGR	Address	Activity	Category
1	0	On Site	Lanes Landscapes Ltd	370786 392990	Brentwood Moss Nurseries, Moss Road, Cadishead, Manchester, M44 5TJ	Construction Plant	Construction Services
2	34	S	Tank	370994 392990	M44	Tanks (Generic)	Industrial Features
3	56	S	Tank	371028 392978	M44	Tanks (Generic)	Industrial Features
4	56	S	Spectrum Blinds & Curtains	370662 392866	76, New Moss Road, Cadishead, Manchester, M44 5JS	Curtains and Blinds	Consumer Products
5	57	S	Tank	371097 392998	M44	Tanks (Generic)	Industrial Features
6A	74	S	Electricity Sub Station	371137 392992	M44	Electrical Features	Infrastructure and Facilities
7A	76	S	Electricity Sub Station	371135 392989	M44	Electrical Features	Infrastructure and Facilities
8	77	SE	Kendrick Group	371239 393288	39, Bradburn Road, Irlam, Manchester, M44 5ZD	Clearance and Salvage Dealers	Recycling Services
9B	79	E	A B R Fabrications	371321 393097	632, Liverpool Road, Irlam, M44 5AD	Metalworkers Including Blacksmiths	Construction Services
10C	87	S	Heritage Railing & Gates	371217 393002	Unit 11 Irlam Industrial Estate, Liverpool Road, Irlam, Manchester, M44 5AZ	Fences, Gates and Railings	Industrial Products
11D	99	S	Trimmers	371277 393009	Irlam Industrial Estate, Liverpool Road, Irlam, Manchester, M44 5AZ	Construction Completion Services	Construction Services
12B	102	E	Irlam Rail Station	371343 393118	M44	Railway Stations, Junctions and Halts	Public Transport, Stations and Infrastructure
13	104	SE	Electricity Sub Station	371542 393667	M44	Electrical Features	Infrastructure and Facilities
14C	110	S	UK Tyre Solutions Ltd	371256 392991	Irlam Industrial Estate, Liverpool Road, Irlam, Manchester, M44 6EH	Recycling, Reclamation and Disposal	Recycling Services
15D	110	S	Irlam Tyres Ltd	371256 392990	Unit 1-3 Irlam Industrial Estate, Liverpool Road, Irlam, Manchester, M44 5AZ	Vehicle Parts and Accessories	Motoring
16	111	E	Watertech Hygiene	371726 393880	2, Lines Road, Irlam, Manchester, M44 6ZN	Air and Water Filtration	Industrial Products

ID	Distance (m)	Direction	Company	NGR	Address	Activity	Category
Services							
17D	125	SE	Irlam Industrial Estate	371300 392991	M44	Business Parks and Industrial Estates	Industrial Features
18	126	SE	Electricity Sub Station	371473 393422	M44	Electrical Features	Infrastructure and Facilities
19	133	E	Defibshop	371375 393105	Excalibur House 630, Liverpool Road, Irlam, Manchester, M44 5AD	Medical Equipment, Supplies and Pharmaceuticals	Industrial Products
20E	156	SE	Crest Scaffolding Ltd	371333 392975	656, Liverpool Road, Irlam, Manchester, M44 5AD	Construction and Tool Hire	Hire Services
21E	161	SE	Lowbury Construction Ltd	371330 392967	658-662, Liverpool Road, Irlam, Manchester, M44 5AD	Civil Engineers	Engineering Services
22	179	SE	Telephone Exchange	371600 393620	M44	Telecommunications Features	Infrastructure and Facilities
23	184	S	Short's Printing Services	370949 392820	Printing Services Shorts Caxton House, Allotment Road, Irlam, M44 5JD	Published Goods	Industrial Products
24F	190	SE	L M P Truck & Trailer Repairs	371412 393017	641-651, Liverpool Road, Irlam, Manchester, M44 5XD	Vehicle Repair, Testing and Servicing	Repair and Servicing
25F	195	E	Depot	371424 393032	M44	Container and Storage	Transport, Storage and Delivery
26G	210	SE	Electricity Sub Station	371793 393781	M44	Electrical Features	Infrastructure and Facilities
27	218	SE	Signs Northwest	371599 393440	603, Liverpool Road, Irlam, Manchester, M44 5BE	Signs	Industrial Products
28G	228	SE	Victoriana Antique Fireplaces	371795 393751	516, Liverpool Road, Irlam, Manchester, M44 6AJ	Fireplaces and Mantelpieces	Consumer Products
29	231	SE	Skip the Tips	371573 393380	621, Liverpool Road, Irlam, Manchester, M44 5BE	Recycling, Reclamation and Disposal	Recycling Services

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
30	357	E	371940 393751	TESCO EXTRA	Fair Hills Road, Woodrow Road, Irlam, Manchester, Greater Manchester, M44 6BL	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
PEAT-P	PEAT	PEAT
PEAT-P	PEAT	PEAT
TILLD-DMTN	TILL, DEVENSIAN	DIAMICTON
GFSDD-XSV	GLACIOFLUVIAL SHEET DEPOSITS, DEVENSIAN	SAND AND GRAVEL
PEAT-P	PEAT	PEAT
GFSDD-XSV	GLACIOFLUVIAL SHEET DEPOSITS, DEVENSIAN	SAND AND GRAVEL

5.3 Bedrock and Solid Geology

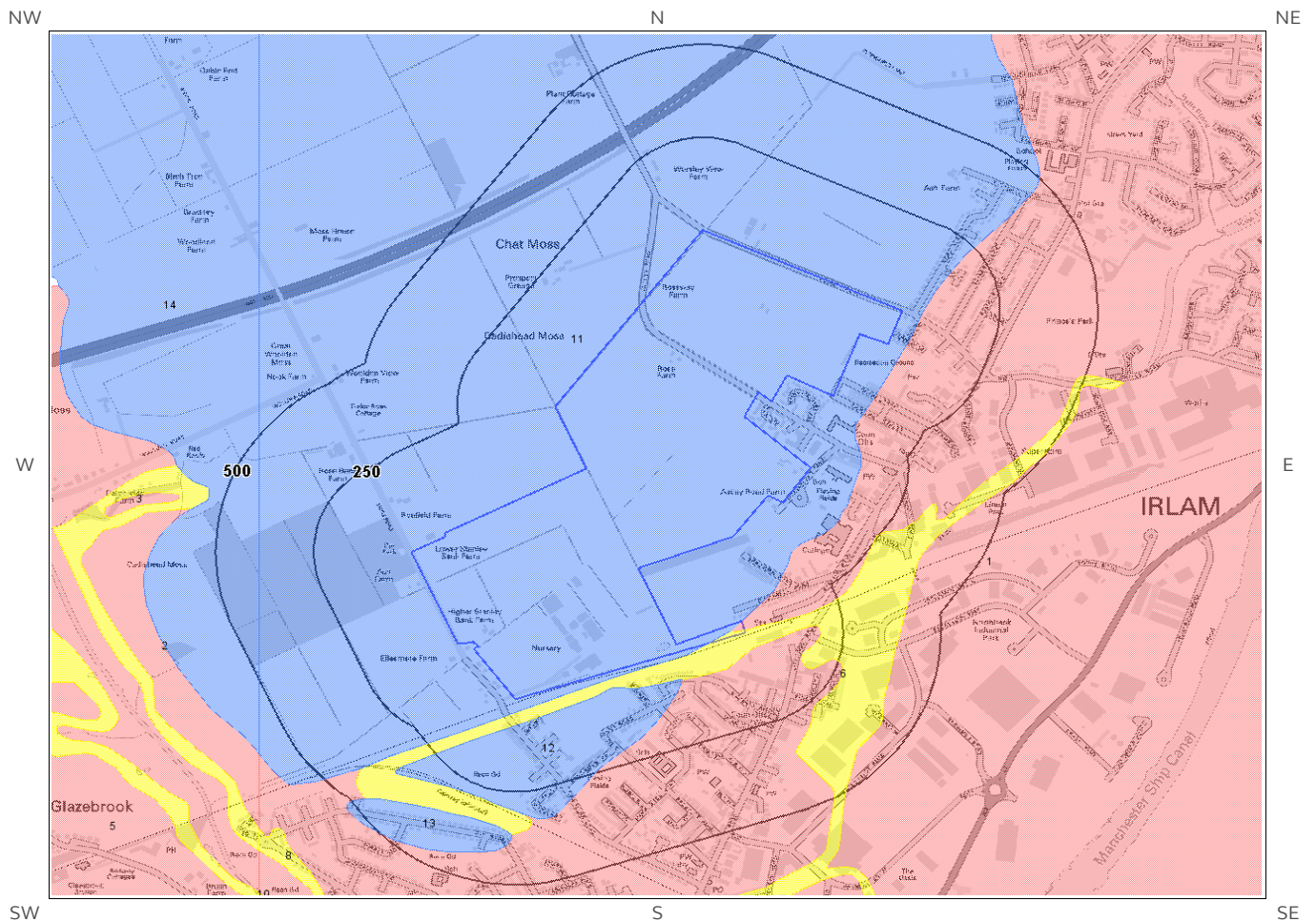
The database has been searched on site, including a 50m buffer.

Lex Code	Description	Rock Type
WLSF-SDST	WILMSLOW SANDSTONE FORMATION	SANDSTONE
WLSF-SDST	WILMSLOW SANDSTONE FORMATION	SANDSTONE

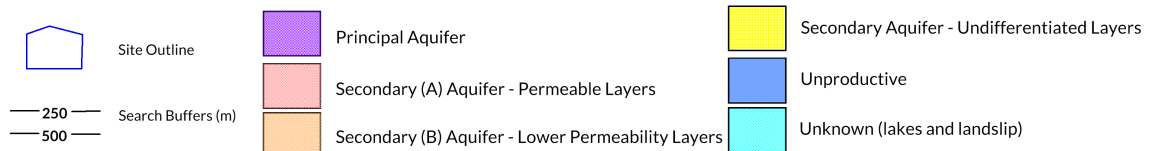
(Derived from the BGS 1:50,000 Digital Geological Map of Great Britain)

6 Hydrogeology and Hydrology

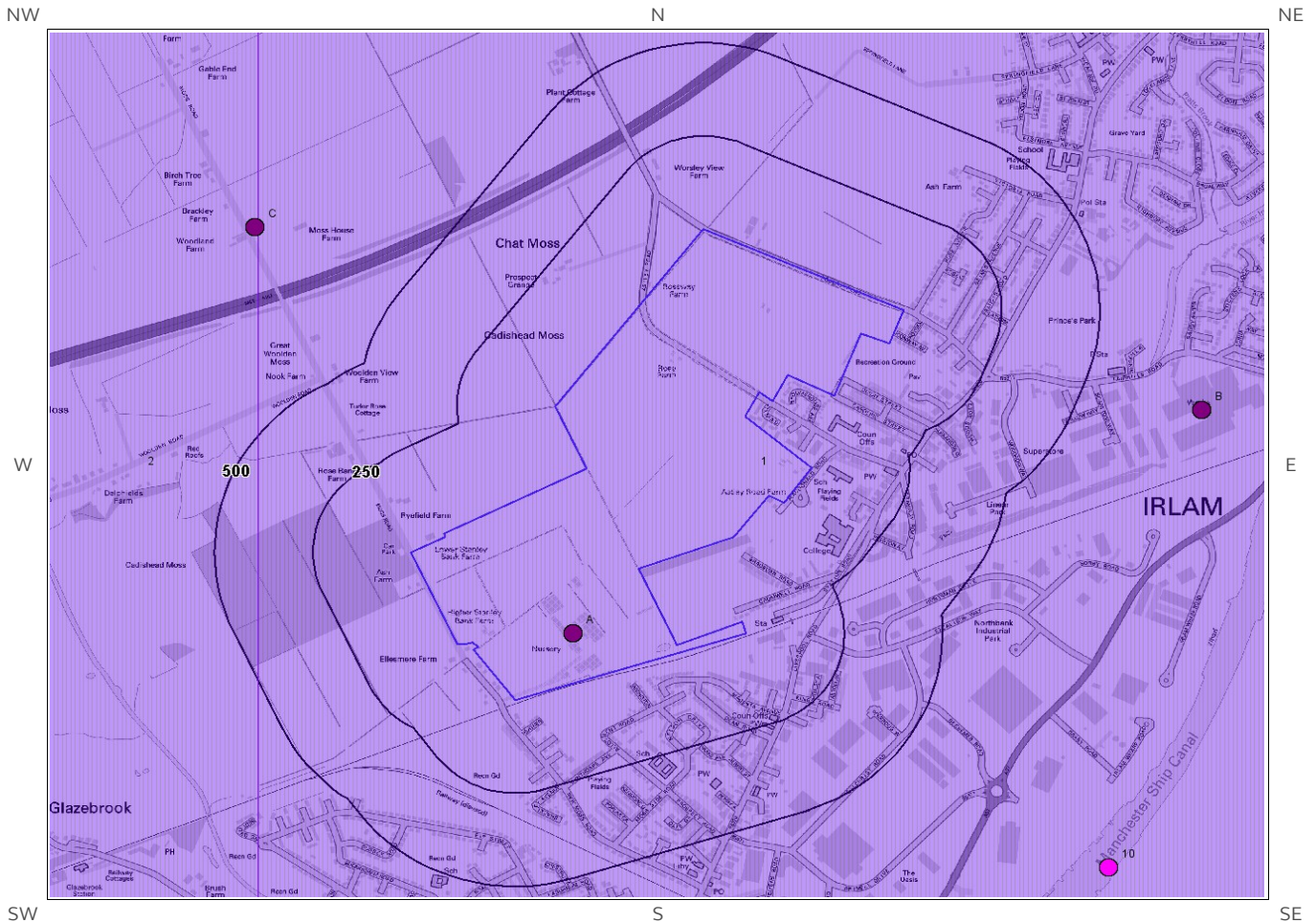
6a. Aquifer Within Superficial Geology



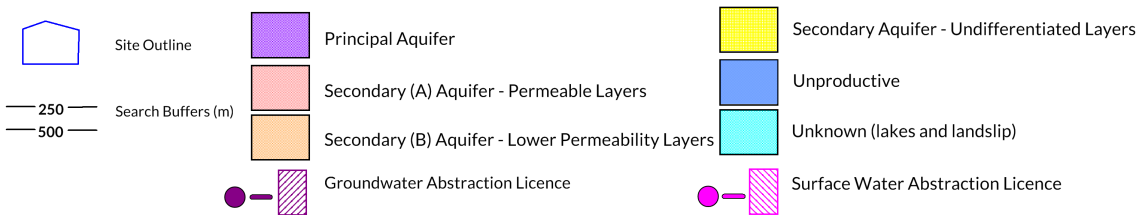
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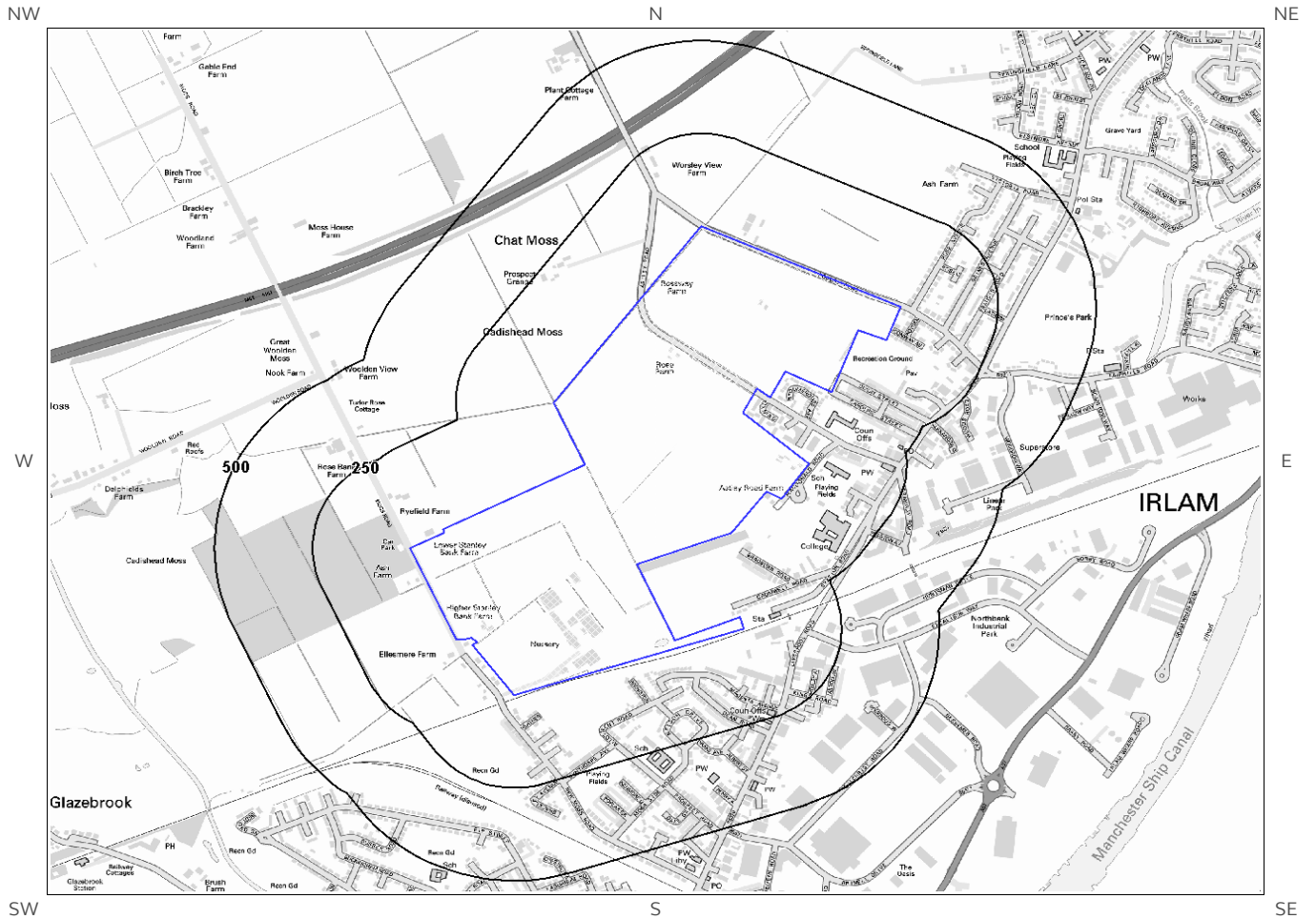
6b. Aquifer Within Bedrock Geology and Abstraction Licences



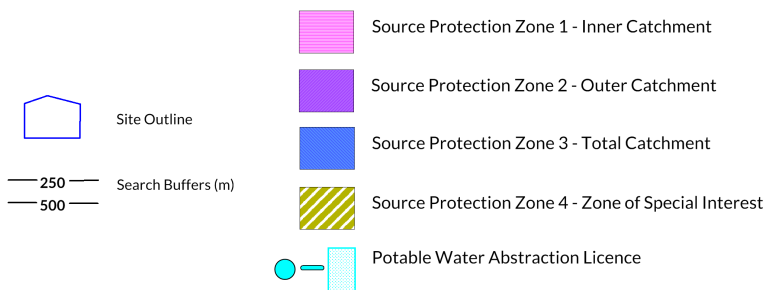
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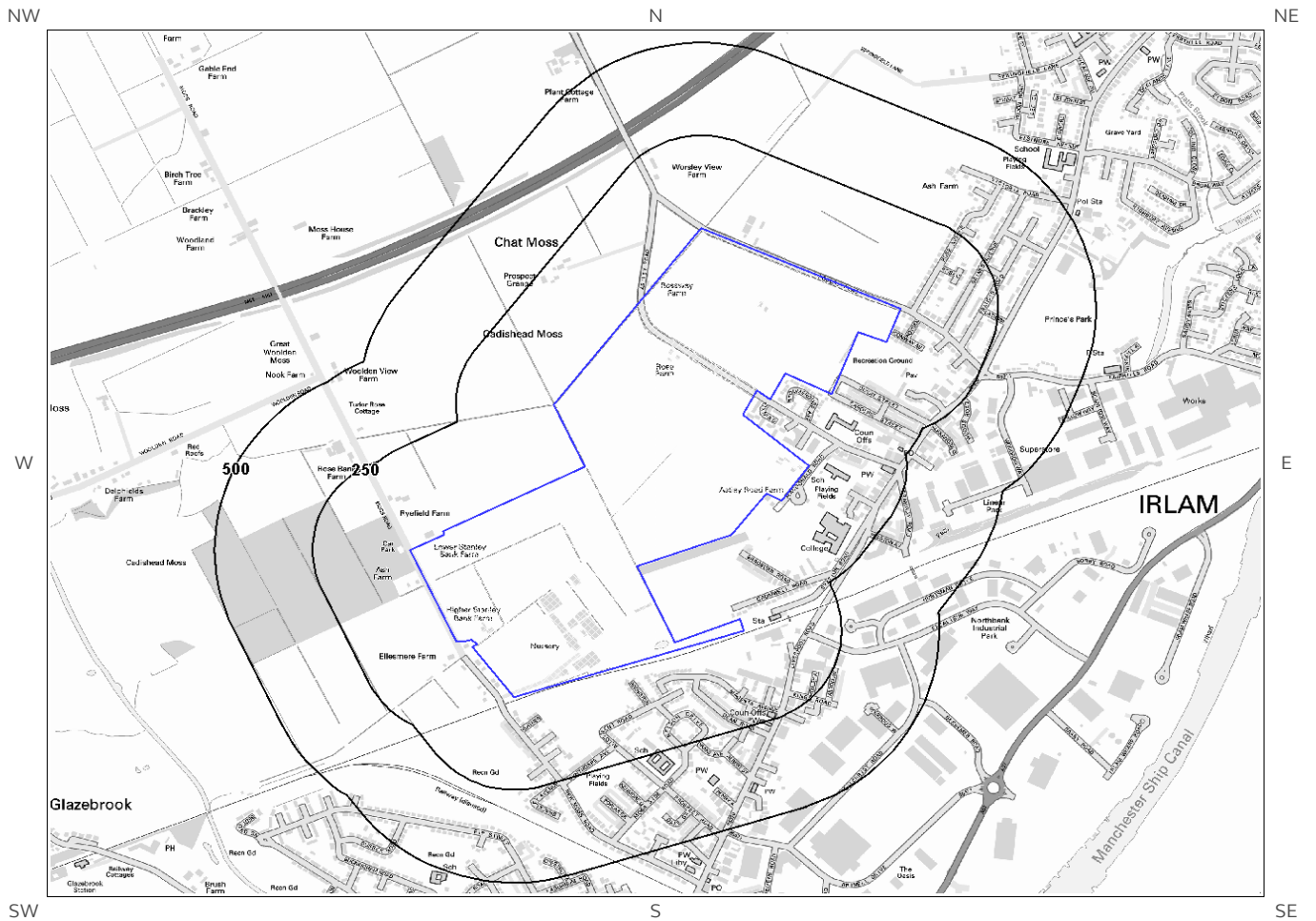
6c. Hydrogeology – Source Protection Zones and Potable Water Abstraction Licences



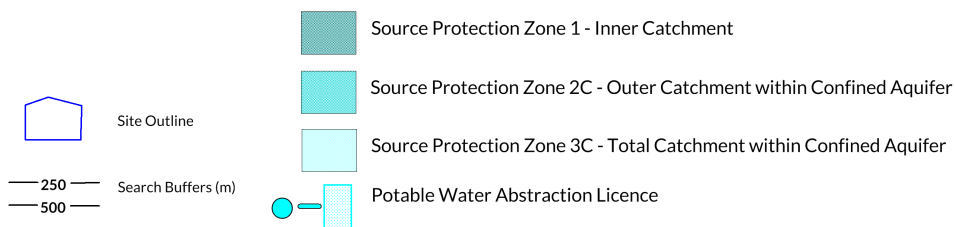
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6d. Hydrogeology – Source Protection Zones within confined aquifer

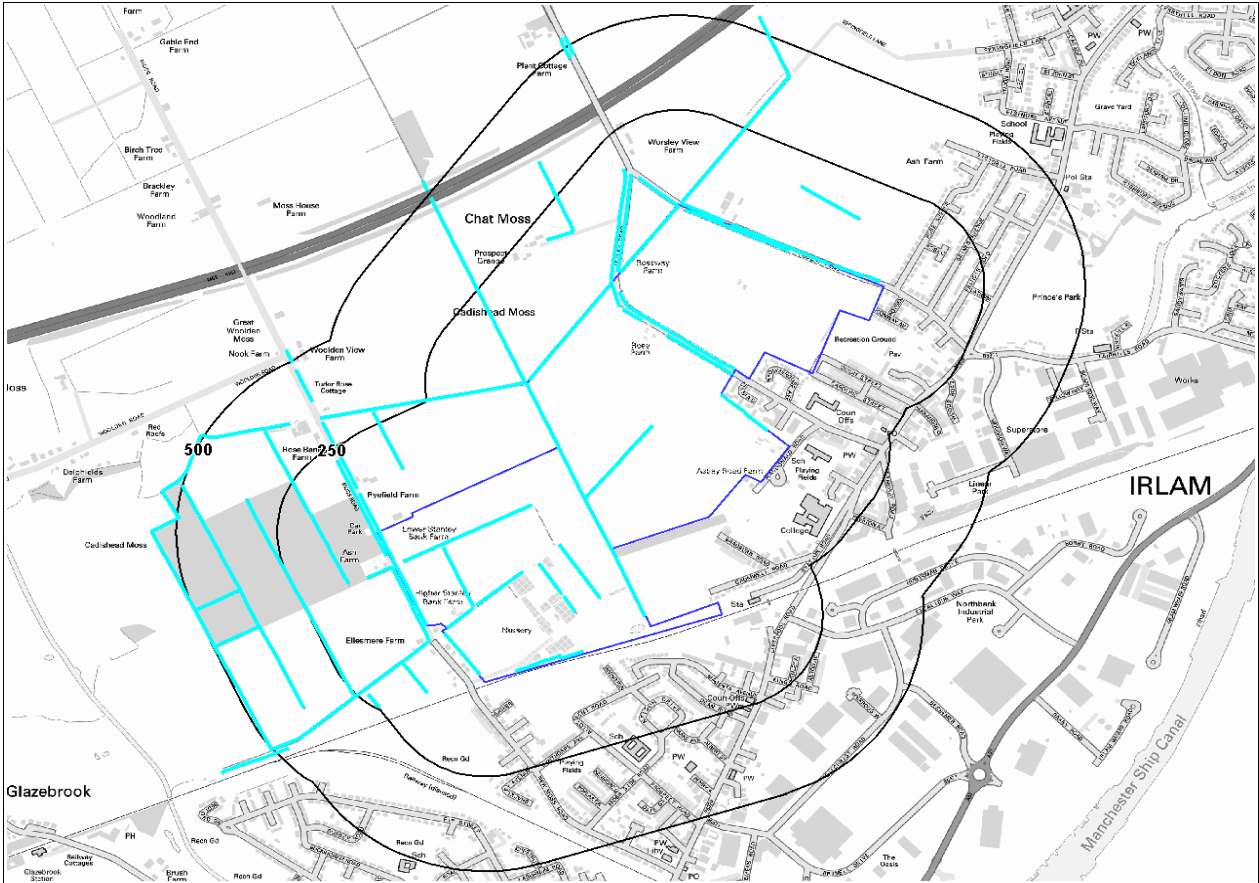


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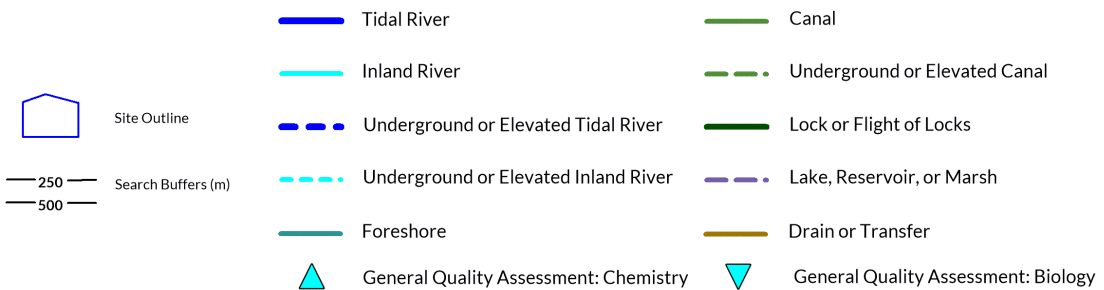
6e. Hydrology – Watercourse Network and River Quality

NW N NE



SW S SE

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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	0	On Site	Secondary (undifferentiated)	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type
11	0	On Site	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow
12	43	S	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow
13	338	S	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow
14	389	W	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow

6.2 Aquifer within Bedrock Deposits

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

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

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

ID	Distance (m)	Direction	Designation	Description
1	0	On Site	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	389	W	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
4A	0	On Site	370800 393100	<p>Status: Historical Licence No: 2569007073 Details: Spray Irrigation - Direct Direct Source: Ground Water - North West Region Point: "BOREHOLE AT LANES LANDSCAPES LTD, NEW MOSS RD, CADISHEAD" Data Type: Point Name: LANES LANDSCAPE LTD</p> <p>Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: - Original Start Date: 12/11/1986 Expiry Date: - Issue No: 100 Version Start Date: 12/11/1986 Version End Date:</p>
5A	0	On Site	370800 393100	<p>Status: Active Licence No: 2569007073 Details: Spray Irrigation - Direct Direct Source: Ground Water - North West Region Point: BOREHOLE AT LANES LANDSCAPES LTD, NEW MOSS RD, CADISHEAD Data Type: Point Name: LANES LANDSCAPE LTD</p> <p>Annual Volume (m³): 39277.4 Max Daily Volume (m³): 218.208 Original Application No: - Original Start Date: 12/11/1986 Expiry Date: - Issue No: 100 Version Start Date: 12/11/1986 Version End Date:</p>
6B	804	E	372400 393700	<p>Status: Historical Licence No: 2569007005 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Ground Water - North West Region Point: "A BOREHOLE AT FAIRHILLS ROAD, IRLAM" Data Type: Point Name: KINGSLAND WINES & SPIRITS</p> <p>Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: - Original Start Date: 11/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 02/07/1998 Version End Date:</p>
7B	804	E	372400 393700	<p>Status: Active Licence No: 2569007005 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Ground Water - North West Region Point: A BOREHOLE AT FAIRHILLS ROAD, IRLAM Data Type: Point Name: Kingsland Drinks Limited</p> <p>Annual Volume (m³): 34096 Max Daily Volume (m³): 182 Original Application No: - Original Start Date: 11/02/1966 Expiry Date: - Issue No: 102 Version Start Date: 17/11/2016 Version End Date:</p>
8C	904	NW	369990 394190	<p>Status: Historical Licence No: 2569016071 Details: Spray Irrigation - Direct Direct Source: Ground Water - North West Region Point: "A BOREHOLE AT WOODLANDS FARM,CADISHEAD MOSS, MANCHESTER" Data Type: Point Name: J E DARNTON LTD</p> <p>Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: - Original Start Date: 28/10/1996 Expiry Date: - Issue No: 100 Version Start Date: 28/10/1996 Version End Date:</p>
9C	904	NW	369990 394190	<p>Status: Historical Licence No: 2569016071 Details: Spray Irrigation - Direct Direct Source: Ground Water - North West Region Point: A BOREHOLE AT WOODLANDS FARM,CADISHEAD MOSS, MANCHESTER Data Type: Point Name: J E DARNTON LTD</p> <p>Annual Volume (m³): 30240 Max Daily Volume (m³): 500 Original Application No: - Original Start Date: 28/10/1996 Expiry Date: - Issue No: 100 Version Start Date: 28/10/1996 Version End Date:</p>

6.4 Surface Water Abstraction Licences

Surface Water Abstraction Licences within 2000m of the study site

Identified

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

ID	Distance (m)	Direction	NGR	Details
10	1118	SE	372165 392470	<p>Status: Active Licence No: NW/069/0007/002 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: Surface, Non-Tidal - North West Region Point: MANCHESTER SHIP CANAL, PARTINGTON, CARRINGTON, MANCHESTER Data Type: Point Name: SAICA Paper UK Limited</p> <p>Annual Volume (m³): 3e+006 Max Daily Volume (m³): 12000 Application No: - Original Start Date: 30/07/2010 Expiry Date: 31/03/2028 Issue No: 2 Version Start Date: 30/07/2015 Version End Date:</p>
Not shown	1142	SE	372607 393327	<p>Status: Historical Licence No: NW/069/0015/006 Details: Hydraulic Testing Direct Source: Surface, Non-Tidal - North West Region Point: CARRINGTON CONSTRUCTION SITE Data Type: Point Name: Duro Felguera UK Limited</p> <p>Annual Volume (m³): 500000 Max Daily Volume (m³): 22000 Application No: - Original Start Date: 14/07/2014 Expiry Date: 01/08/2016 Issue No: 2 Version Start Date: 09/04/2015 Version End Date:</p>
Not shown	1143	SE	372620 393350	<p>Status: Historical Licence No: 2569007086 Details: Boiler Feed Direct Source: "Surface, Non-Tidal - North West Region" Point: "MANCHESTER SHIP CANAL AT CARRINGTON,NR.IRLAM, GT. MANCHESTER" Data Type: Point Name: TXU EUROPE (PARTINGTON) LIMITED</p> <p>Annual Volume (m³): - Max Daily Volume (m³): - Application No: - Original Start Date: 17/07/2001 Expiry Date: 31-Mar-27 Issue No: 2 Version Start Date: 31/12/2001 Version End Date:</p>
Not shown	1143	SE	372620 393350	<p>Status: Historical Licence No: 2569007086 Details: Evaporative Cooling Direct Source: "Surface, Non-Tidal - North West Region" Point: "MANCHESTER SHIP CANAL AT CARRINGTON,NR.IRLAM, GT. MANCHESTER" Data Type: Point Name: TXU EUROPE (PARTINGTON) LIMITED</p> <p>Annual Volume (m³): - Max Daily Volume (m³): - Application No: - Original Start Date: 17/07/2001 Expiry Date: 31-Mar-27 Issue No: 2 Version Start Date: 31/12/2001 Version End Date:</p>
Not shown	1143	SE	372620 393350	<p>Status: Historical Licence No: 2569007086 Details: Boiler Feed Direct Source: Surface, Non-Tidal - North West Region Point: MANCHESTER SHIP CANAL AT CARRINGTON,NR.IRLAM, GT. MANCHESTER Data Type: Point Name: TXU EUROPE (PARTINGTON) LIMITED</p> <p>Annual Volume (m³): - Max Daily Volume (m³): - Application No: - Original Start Date: 17/07/2001 Expiry Date: 31/03/2027 Issue No: 2 Version Start Date: 31/12/2001 Version End Date:</p>
Not shown	1143	SE	372620 393350	<p>Status: Historical Licence No: 2569007086 Details: Non-Evaporative Cooling Direct Source: Surface, Non-Tidal - North West Region Point: MANCHESTER SHIP CANAL AT CARRINGTON,NR.IRLAM, GT. MANCHESTER Data Type: Point Name: TXU EUROPE (PARTINGTON) LIMITED</p> <p>Annual Volume (m³): - Max Daily Volume (m³): - Application No: - Original Start Date: 17/07/2001 Expiry Date: 31/03/2027 Issue No: 2 Version Start Date: 31/12/2001 Version End Date:</p>

ID	Distance (m)	Direction	NGR	Details
Not shown	1143	SE	372620 393350	<p>Status: Historical Licence No: 2569007086 Details: Non-Evaporative Cooling Direct Source: "Surface, Non-Tidal - North West Region" Point: "MANCHESTER SHIP CANAL AT CARRINGTON,NR.IRLAM, GT. MANCHESTER" Data Type: Point Name: TXU EUROPE (PARTINGTON) LIMITED</p> <p>Annual Volume (m³): - Max Daily Volume (m³): - Application No: - Original Start Date: 17/07/2001 Expiry Date: 31-Mar-27 Issue No: 2 Version Start Date: 31/12/2001 Version End Date:</p>
Not shown	1143	SE	372620 393350	<p>Status: Historical Licence No: 2569007086 Details: Evaporative Cooling Direct Source: Surface, Non-Tidal - North West Region Point: MANCHESTER SHIP CANAL AT CARRINGTON,NR.IRLAM, GT. MANCHESTER Data Type: Point Name: TXU EUROPE (PARTINGTON) LIMITED</p> <p>Annual Volume (m³): - Max Daily Volume (m³): - Application No: - Original Start Date: 17/07/2001 Expiry Date: 31/03/2027 Issue No: 2 Version Start Date: 31/12/2001 Version End Date:</p>
Not shown	1144	SE	372610 393330	<p>Status: Historical Licence No: 2569007091 Details: Evaporative Cooling Direct Source: Surface, Non-Tidal - North West Region Point: BRIDESTONES DEVELOPMENTS INTAKE Data Type: Point Name: Carrington Power Limited</p> <p>Annual Volume (m³): 6.85503e+006 Max Daily Volume (m³): 25223 Application No: - Original Start Date: 21/11/2008 Expiry Date: 31/03/2028 Issue No: 2 Version Start Date: 12/03/2010 Version End Date:</p>
Not shown	1144	SE	372610 393330	<p>Status: Historical Licence No: 2569007091 Details: Evaporative Cooling Direct Source: Surface, Non-Tidal - North West Region Point: BRIDESTONES DEVELOPMENTS INTAKE Data Type: Point Name: Carrington Power Limited</p> <p>Annual Volume (m³): 6.85503e+006 Max Daily Volume (m³): 25223 Application No: - Original Start Date: 21/11/2008 Expiry Date: 31/03/2028 Issue No: 2 Version Start Date: 12/03/2010 Version End Date:</p>
Not shown	1147	SE	372595 393296	<p>Status: Historical Licence No: NW/069/0015/008 Details: Boiler Feed Direct Source: Surface, Non-Tidal - North West Region Point: MANCHESTER SHIP CANAL AT CARRINGTON, MANCHESTER Data Type: Point Name: Wainstones Energy Limited</p> <p>Annual Volume (m³): 1.21769e+007 Max Daily Volume (m³): 44968 Application No: - Original Start Date: 08/07/2016 Expiry Date: 07/07/2040 Issue No: 1 Version Start Date: 08/07/2016 Version End Date:</p>
Not shown	1147	SE	372595 393296	<p>Status: Historical Licence No: NW/069/0015/008 Details: Evaporative Cooling Direct Source: Surface, Non-Tidal - North West Region Point: MANCHESTER SHIP CANAL AT CARRINGTON, MANCHESTER Data Type: Point Name: Wainstones Energy Limited</p> <p>Annual Volume (m³): 1.21769e+007 Max Daily Volume (m³): 44968 Application No: - Original Start Date: 08/07/2016 Expiry Date: 07/07/2040 Issue No: 1 Version Start Date: 08/07/2016 Version End Date:</p>
Not shown	1158	E	372690 393470	<p>Status: Active Licence No: 2569007091 Details: Boiler Feed Direct Source: Surface, Non-Tidal - North West Region Point: CARRINGTON POWER INTAKE MSC Data Type: Point Name: Carrington Power Limited</p> <p>Annual Volume (m³): 3.5e+006 Max Daily Volume (m³): 25223 Application No: - Original Start Date: 21/11/2008 Expiry Date: 31/03/2028 Issue No: 5 Version Start Date: 06/07/2017 Version End Date:</p>
Not shown	1158	E	372690 393470	<p>Status: Active Licence No: 2569007091 Details: Evaporative Cooling Direct Source: Surface, Non-Tidal - North West Region Point: CARRINGTON POWER INTAKE MSC</p> <p>Annual Volume (m³): 3.5e+006 Max Daily Volume (m³): 25223 Application No: - Original Start Date: 21/11/2008 Expiry Date: 31/03/2028 Issue No: 5</p>

ID	Distance (m)	Direction	NGR	Details
Not shown	1263	E	372900 394090	<p>Data Type: Point Name: Carrington Power Limited</p> <p>Status: Historical Licence No: 2569007087 Details: Hydroelectric Power Generation Direct Source: "Surface, Non-Tidal - North West Region" Point: "MANCHESTER SHIP CANAL @ IRLAM LOCKS IRLAM, GR MANCHESTER" Data Type: Point Name: UNITED UTILITIES GREEN ENERGY LIMITED</p> <p>Version Start Date: 06/07/2017 Version End Date:</p> <p>Annual Volume (m³): - Max Daily Volume (m³): - Application No: - Original Start Date: - Expiry Date: 31-Oct-29 Issue No: 1 Version Start Date: 31/10/2001 Version End Date:</p>
Not shown	1263	E	372900 394090	<p>Status: Historical Licence No: 2569007087 Details: Hydroelectric Power Generation Direct Source: Surface, Non-Tidal - North West Region Point: MANCHESTER SHIP CANAL @ IRLAM LOCKS IRLAM, GR MANCHESTER Data Type: Point Name: UNITED UTILITIES GREEN ENERGY LIMITED</p> <p>Annual Volume (m³): - Max Daily Volume (m³): - Application No: - Original Start Date: - Expiry Date: 31/10/2029 Issue No: 1 Version Start Date: 31/10/2001 Version End Date:</p>
Not shown	1263	E	372900 394090	<p>Status: Historical Licence No: 2569007079 Details: Hydroelectric Power Generation Direct Source: Surface, Non-Tidal - North West Region Point: MANCHESTER SHIP CANAL @ IRLAM LOCKS IRLAM, GR MANCHESTER Data Type: Point Name: HYDER INDUSTRIAL LTD</p> <p>Annual Volume (m³): - Max Daily Volume (m³): - Application No: - Original Start Date: 08/05/1998 Expiry Date: 31/07/2026 Issue No: 101 Version Start Date: 05/05/2000 Version End Date:</p>

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	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.
0	On Site	Major Aquifer/Intermediate Leaching Potential	I2	Soils which can possibly transmit non – or weakly adsorbed pollutants and liquid discharges but are unlikely to transmit adsorbed pollutants.
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.
37	S	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.
389	W	Major Aquifer/Intermediate Leaching Potential	I2	Soils which can possibly transmit non – or weakly adsorbed pollutants and liquid discharges but are unlikely to transmit adsorbed pollutants.

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:

Biological Quality data describes water quality in terms of 83 groups of macroinvertebrates, some of which are pollution sensitive. The results are graded from A ('Very Good') to F ('Bad').

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

ID	Distance (m)	Direction	NGR	River Quality Grade	Biological Quality Grade				
					2005	2006	2007	2008	2009
Not shown	1120	E	372700 393600	River Name: Mersey Reach: Carrington P.s. To Woolston New Cut End/Start of Stretch: Start of Stretch NGR	E	E	E	E	E

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
Not shown	1091	E	372630 393500	River Name: Manchester Ship Canal Reach: Salford Docks To Mersey End/Start of Stretch: End of Stretch NGR	E	E	E	E	E
Not shown	1120	E	372700 393600	River Name: Mersey Reach: Carrington P.s. To Woolston New Cut End/Start of Stretch: Start of Stretch NGR	E	E	E	E	E
Not shown	1120	E	372700 393600	River Name: Mersey Reach: Princess Parkway To Carrington End/Start of Stretch: End of Stretch NGR	D	D	D	D	C
Not shown	1220	E	372840 394204	River Name: Manchester Ship Canal Reach: Salford Docks To Mersey End/Start of Stretch: Sample Point NGR	E	E	E	E	E

6.10 Ordnance Survey MasterMap Water Network

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

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

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

ID	Distance/ Direction	Name	Type of Watercourse	Additional Details
1	0 On Site	Not specified	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): 2.1
2	0 On Site	Not specified	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
3	0 On Site	Not specified	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
4	0 On Site	Not specified	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
5	0 On Site	Not specified	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): 1.4
6	0 On Site	Not specified	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
7	0 On Site	Not specified	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
8	0 On Site	Not specified	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
9	0 On Site	Not specified	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
10	0 On Site	Not specified	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
11	0 On Site	Not specified	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): 2.2
12	0 On Site	Not specified	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): 1.2
13	0 On Site	Not specified	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
14	0 On Site	Not specified	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): 1.2
15	0 On Site	Not specified	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): 2.0
16	0 On Site	Not specified	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): 2.2
17	0 On Site	Not specified	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): 2.1
18	0 On Site	Not specified	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	0 On Site	Not specified	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): 2.5
20	0 On Site	Not specified	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
21	0 On Site	Not specified	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
22	0	Not specified	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
	On Site			Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 1.8
23	0 On Site	Not specified	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): 1.0
24	0 On Site	Not specified	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	0 On Site	Not specified	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
26	0 On Site	Not specified	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
27	0 On Site	Not specified	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): 1.1
28	0 On Site	Not specified	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	0 On Site	Not specified	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
30	0 On Site	Not specified	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): 1.2
31	0 On Site	Not specified	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
32	0 On Site	Not specified	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
33	0 On Site	Not specified	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): 1.2
34	0 On Site	Not specified	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
35	0 On Site	Not specified	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): 1.4
36	0 On Site	Not specified	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
37	0 On Site	Not specified	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
38	0 On Site	Not specified	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): 1.0
39	0 On Site	Not specified	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
40	0 On Site	Not specified	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
41	0 On Site	Not specified	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
42	0 NW	Not specified	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): 1.7
43	0 NW	Not specified	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): 1.4
44	0 NW	Not specified	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
12	0 On Site	Not specified	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): 2.1
13	0 On Site	Not specified	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

ID	Distance/ Direction	Name	Type of Watercourse	Additional Details
14	0 On Site	Not specified	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
15	0 On Site	Not specified	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
16	0 On Site	Not specified	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): 1.4
17	0 On Site	Not specified	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
18	0 On Site	Not specified	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
19	0 On Site	Not specified	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
20	0 On Site	Not specified	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	0 On Site	Not specified	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
22	0 On Site	Not specified	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): 2.2
23	0 On Site	Not specified	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): 1.2
24	0 On Site	Not specified	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	0 On Site	Not specified	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): 1.2
26	0	Not specified	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
	On Site			Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 2.0
27	0 On Site	Not specified	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): 2.2
28	0 On Site	Not specified	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): 2.1
29	0 On Site	Not specified	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
30	0 On Site	Not specified	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): 2.5
31	0 On Site	Not specified	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
32	0 On Site	Not specified	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
33	0 On Site	Not specified	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
34	0 On Site	Not specified	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): 1.0
35	0 On Site	Not specified	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
36	0 On Site	Not specified	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
37	0 On Site	Not specified	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
38	0 On Site	Not specified	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): 1.1
39	0 On Site	Not specified	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
40	0 On Site	Not specified	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
41	0 On Site	Not specified	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): 1.2
42	0 On Site	Not specified	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
43	0 On Site	Not specified	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
44	0 On Site	Not specified	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): 1.2
45	0 On Site	Not specified	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
46	0 On Site	Not specified	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): 1.4
47	0 On Site	Not specified	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
48	0 On Site	Not specified	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
49	0 On Site	Not specified	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): 1.0
50	0 On Site	Not specified	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
51	0 On Site	Not specified	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
52	0 On Site	Not specified	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
53	0 NW	Not specified	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): 1.7
54	0 NW	Not specified	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): 1.4
55	0 NW	Not specified	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
45	2 NE	Not specified	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
46	2 NE	Not specified	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): 1.0
47	2 NE	Not specified	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
56	2 NE	Not specified	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
57	2 NE	Not specified	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): 1.0
58	2 NE	Not specified	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
48	3 NE	Not specified	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): 2.0
49	3	Not specified	Inland river not influenced by normal tidal action.	Catchment Area: Mersey Relationship to Ground Level: Underground

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
50	3 NW	Not specified	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): 2.0
51	3 NW	Not specified	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): 2.0
59	3 NE	Not specified	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): 2.0
60	3 NE	Not specified	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
61	3 NW	Not specified	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): 2.0
62	3 NW	Not specified	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): 2.0
52	4 NE	Not specified	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): 1.7
53	4 NE	Not specified	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
54	4 NE	Not specified	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
63	4 NE	Not specified	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): 1.7
64	4 NE	Not specified	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
65	4 NE	Not specified	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)

ID	Distance/ Direction	Name	Type of Watercourse	Additional Details
				Average Width in Watercourse Section (m): Not Provided
55	5 NE	Not specified	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
56	5 NE	Not specified	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
66	5 NE	Not specified	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
67	5 NE	Not specified	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
57	6 NW	Not specified	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): 1.4
68	6 NW	Not specified	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): 1.4
58	8 NE	Not specified	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): 1.0
69	8 NE	Not specified	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): 1.0
59	9 SW	Not specified	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
60	9 SW	Not specified	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
61	9 SW	Not specified	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): 1.7
62	9 SW	Not specified	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

ID	Distance/ Direction	Name	Type of Watercourse	Additional Details
70	9 SW	Not specified	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
71	9 SW	Not specified	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
72	9 SW	Not specified	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): 1.7
73	9 SW	Not specified	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
63	13 W	Not specified	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
74	13 W	Not specified	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
64	23 NW	Not specified	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): 2.0
75	23 NW	Not specified	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): 2.0
65	24 S	Not specified	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
76	24 S	Not specified	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
66	36 NW	Not specified	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
77	36 NW	Not specified	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
67	42	Not specified	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
	S			Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): 1.3
78	42 S	Not specified	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
68	70 NW	Not specified	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
79	70 NW	Not specified	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
69	71 NW	Not specified	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): 1.4
80	71 NW	Not specified	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): 1.4
70	86 SW	Not specified	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
81	86 SW	Not specified	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
71	89 NW	Not specified	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
82	89 NW	Not specified	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
72	93 NW	Not specified	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
83	93 NW	Not specified	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
73	113 NW	Not specified	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)

ID	Distance/ Direction	Name	Type of Watercourse	Additional Details
				Average Width in Watercourse Section (m): Not Provided
74	113 SW	Not specified	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): 1.7
75	113 SW	Not specified	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
84	113 NW	Not specified	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
85	113 SW	Not specified	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): 1.7
86	113 SW	Not specified	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
76	114 NW	Not specified	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): 2.2
87	114 NW	Not specified	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): 2.2
77	120 SW	Not specified	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
88	120 SW	Not specified	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
78	125 SW	Not specified	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
89	125 SW	Not specified	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
79	128 W	Not specified	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

ID	Distance/ Direction	Name	Type of Watercourse	Additional Details
90	128 W	Not specified	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
80	129 W	Not specified	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): 1.7
91	129 W	Not specified	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): 1.7
81	142 NE	Not specified	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
92	142 NE	Not specified	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
82	157 NW	Not specified	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): 1.7
83	157 NW	Not specified	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
93	157 NW	Not specified	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): 1.7
94	157 NW	Not specified	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
84	164 NW	Not specified	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
95	164 NW	Not specified	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
85	175 W	Not specified	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
96	175	Not specified	Inland river not influenced by normal tidal action.	Catchment Area: Mersey Relationship to Ground Level: Underground

ID	Distance/ Direction	Name	Type of Watercourse	Additional Details
	W			Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): Not Provided
86	179 W	Not specified	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
97	179 W	Not specified	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
87	226 SW	Not specified	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
98	226 SW	Not specified	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
88	229 SW	Not specified	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): 1.7
99	229 SW	Not specified	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): 1.7
89	238 SW	Not specified	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
100	238 SW	Not specified	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
90	244 SW	Not specified	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): 1.4
101	244 SW	Not specified	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): 1.4
91	246 SW	Not specified	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
92	246 SW	Not specified	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): 1.7
102	246 SW	Not specified	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
103	246 SW	Not specified	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): 1.7
93	248 SW	Not specified	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
104	248 SW	Not specified	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
94	249 SW	Not specified	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
105	249 SW	Not specified	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
95	252 SW	Not specified	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
96	252 SW	Not specified	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): 1.7
106	252 SW	Not specified	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
107	252 SW	Not specified	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): 1.7
97	257 NW	Not specified	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
108	257 NW	Not specified	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

ID	Distance/ Direction	Name	Type of Watercourse	Additional Details
98	262 NW	Not specified	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
109	262 NW	Not specified	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
99	280 W	Not specified	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
110	280 W	Not specified	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
100	283 W	Not specified	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): 2.1
111	283 W	Not specified	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): 2.1
101	359 NW	Not specified	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
112	359 NW	Not specified	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
102	367 SW	Not specified	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
113	367 SW	Not specified	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
103	369 SW	Not specified	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
104	369 SW	Not specified	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
114	369	Not specified	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
	SW			Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): Not Provided
115	369 SW	Not specified	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
105	372 SW	Not specified	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
106	372 SW	Not specified	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
116	372 SW	Not specified	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
117	372 SW	Not specified	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
107	373 SW	Not specified	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
108	373 SW	Not specified	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
109	373 SW	Not specified	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): 2.0
118	373 SW	Not specified	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
119	373 SW	Not specified	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
120	373 SW	Not specified	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): 2.0
110	374 SW	Not specified	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)

ID	Distance/ Direction	Name	Type of Watercourse	Additional Details
				Average Width in Watercourse Section (m): Not Provided
111	374 SW	Not specified	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
121	374 SW	Not specified	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
122	374 SW	Not specified	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
112	375 SW	Not specified	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
113	375 SW	Not specified	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
123	375 SW	Not specified	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
124	375 SW	Not specified	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
114	381 NW	Not specified	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
125	381 NW	Not specified	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
115	382 SW	Not specified	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
126	382 SW	Not specified	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
116	388 SW	Not specified	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
127	388 SW	Not specified	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
117	394 W	Not specified	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
128	394 W	Not specified	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
118	395 NW	Not specified	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
129	395 NW	Not specified	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
119	397 W	Not specified	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
130	397 W	Not specified	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
120	399 NW	Not specified	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
131	399 NW	Not specified	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
121	402 SW	Not specified	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
132	402 SW	Not specified	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
122	438 W	Not specified	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
133	438	Not specified	Inland river not influenced by normal tidal action.	Catchment Area: Mersey Relationship to Ground Level: Underground

ID	Distance/ Direction	Name	Type of Watercourse	Additional Details
	W			Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): Not Provided
123	441 W	Not specified	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
134	441 W	Not specified	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
124	458 NW	Not specified	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
135	458 NW	Not specified	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
125	468 SW	Not specified	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
136	468 SW	Not specified	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
126	470 NW	Not specified	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): 1.1
Not shown	470 NW	Not specified	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): 1.1
127	474 NW	Not specified	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
138	474 NW	Not specified	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
128	475 NW	Not specified	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
Not shown	475 NW	Not specified	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): 1.6
129	490 SW	Not specified	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
140	490 SW	Not specified	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
130	495 W	Not specified	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
141	495 W	Not specified	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
131	499 W	Not specified	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
142	499 W	Not specified	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

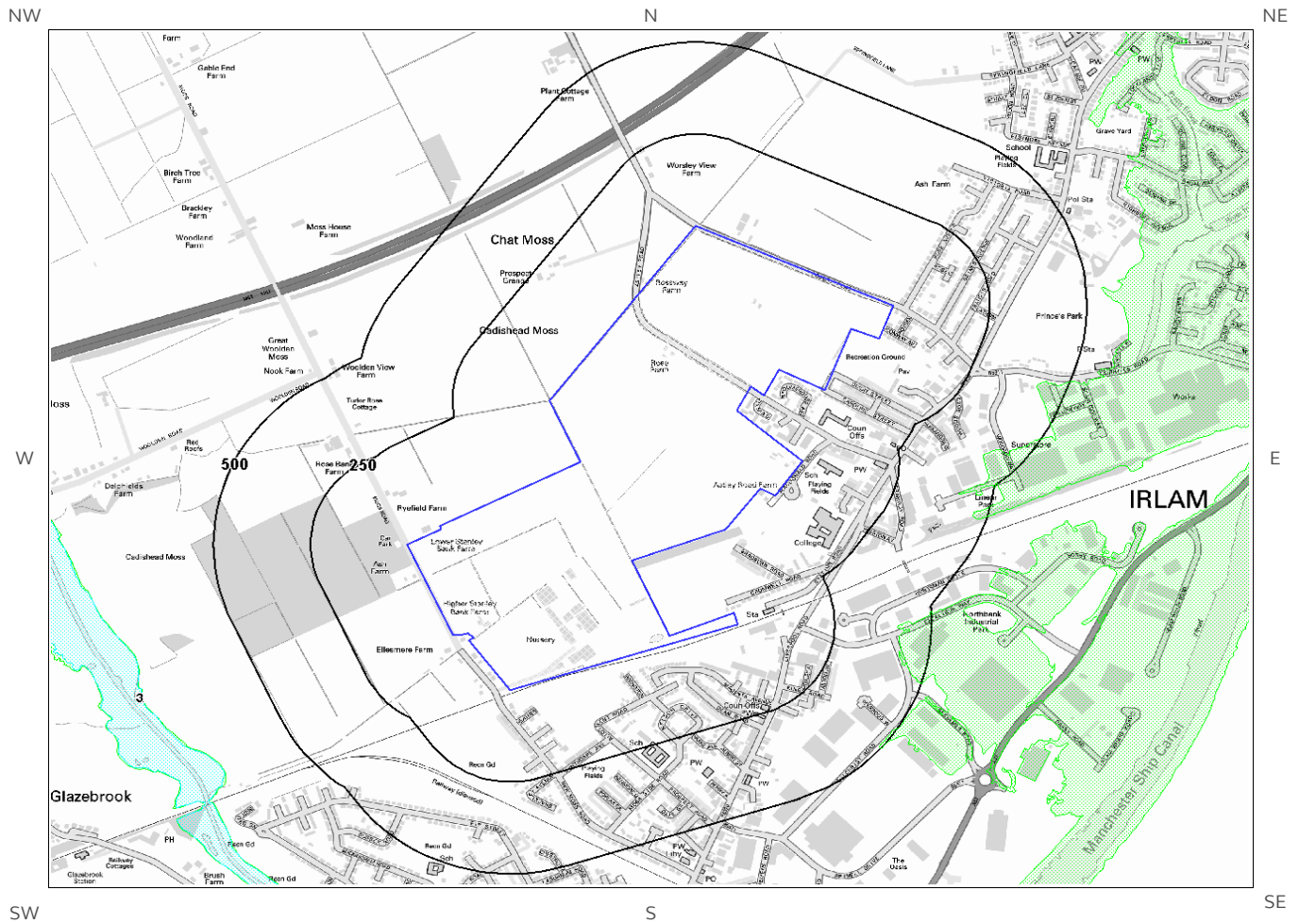
Surface water features within 250m of the study site

Identified

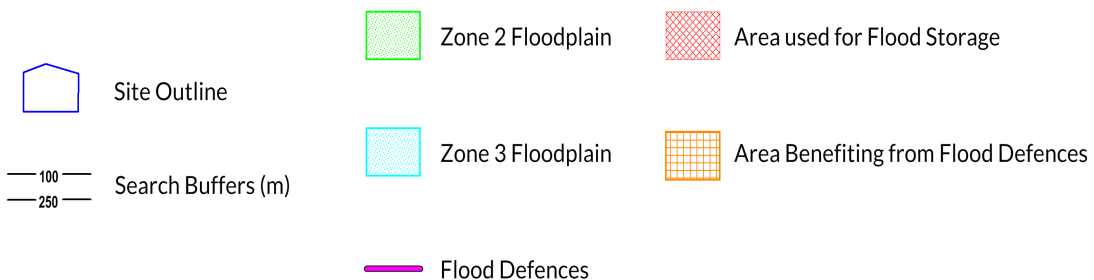
The following surface water records are not represented on mapping:

Distance (m)	Direction
243	SW
245	SW
248	SW

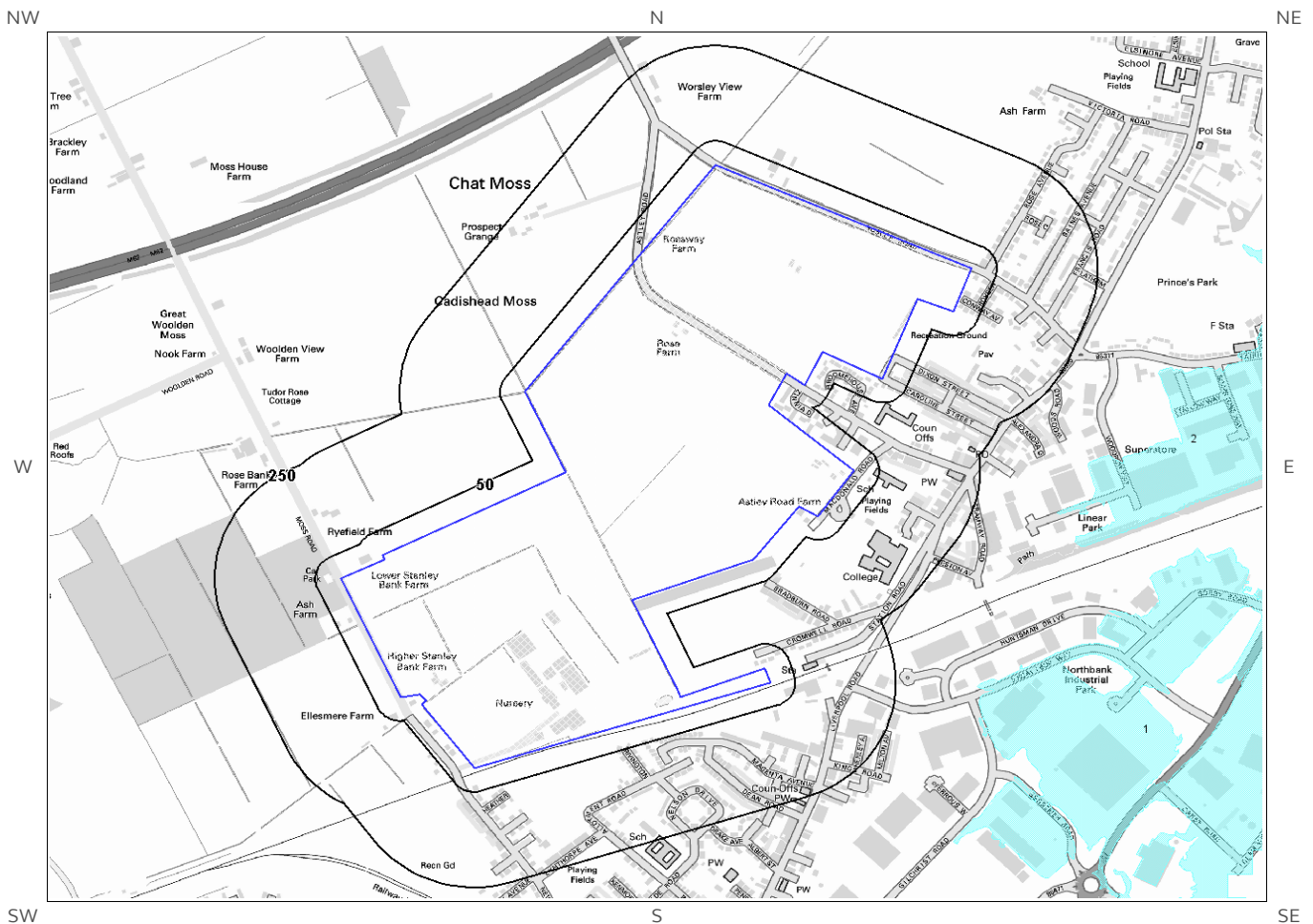
7a. Environment Agency/Natural Resources Wales Flood Map for Planning (from rivers and the sea)



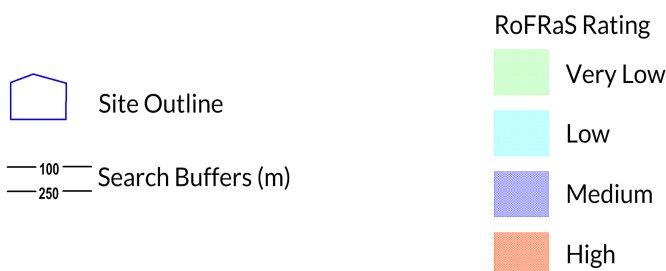
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7b. Environment Agency/Natural Resources Wales Risk of Flooding from Rivers and the Sea (RoFRaS) Map



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7 Flooding

7.1 River and Coastal Zone 2 Flooding

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

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

Database searched and no data found.

7.2 River and Coastal Zone 3 Flooding

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

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

Database searched and no data found.

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

Highest risk of flooding onsite Very Low

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

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

7.4 Flood Defences

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

7.5 Areas benefiting from Flood Defences

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

7.6 Areas benefiting from Flood Storage

Areas used for Flood Storage within 250m of the study site None identified

7.7 Groundwater Flooding Susceptibility Areas

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

Clearwater Flooding or Superficial Deposits Flooding Clearwater 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 below Surface

Where potential for groundwater flooding of property situated below ground level is indicated, this means that given the geological conditions there may be a groundwater flooding hazard to basements and other below surface infrastructure. Unless other relevant information, e.g. records of previous flooding, suggests groundwater flooding has occurred before in this area you need take no further action in relation to groundwater flooding hazard. If there are records of previous incidences of groundwater flooding, then is recommended that other information e.g. rainfall history, property type, and land drainage information in addition to previous records of flooding be investigated in order to establish relative, but not absolute, risk of groundwater flooding.

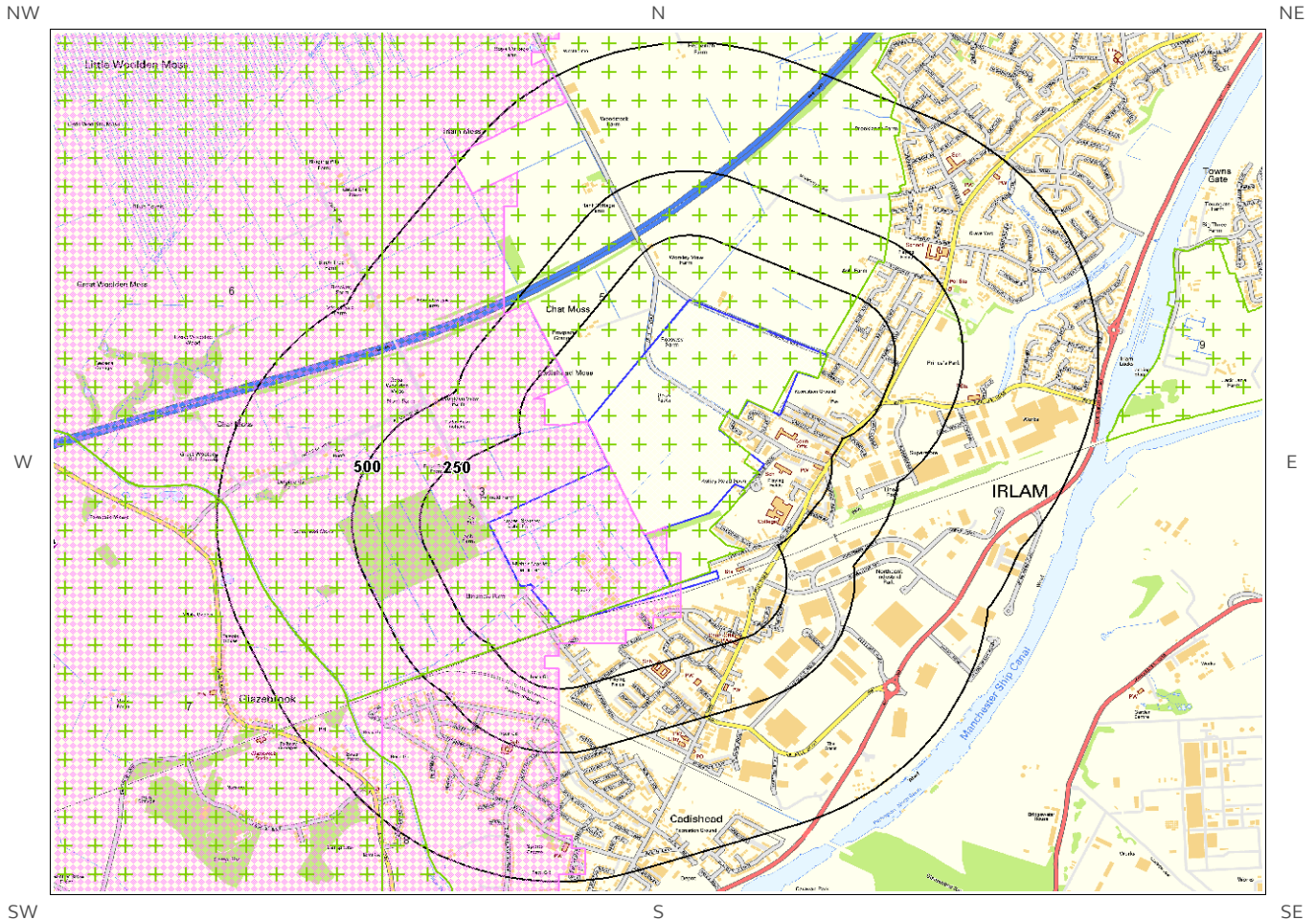
7.8 Groundwater Flooding Confidence Areas

British Geological Survey confidence rating in this result Low

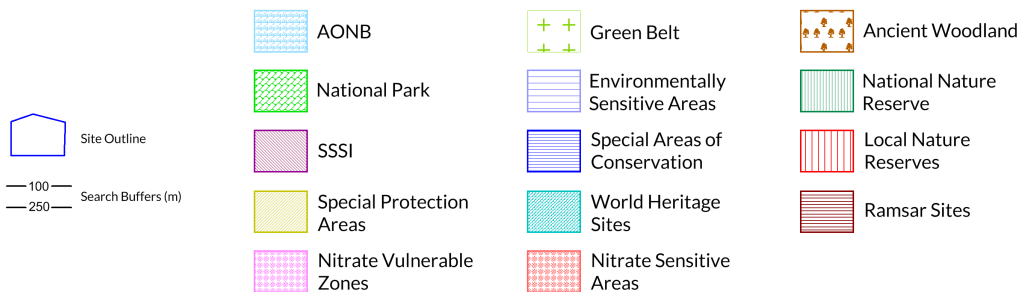
Notes: Groundwater flooding is defined as the emergence of groundwater at the ground surface or the rising of groundwater into man-made ground under conditions where the normal range of groundwater levels is exceeded.

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

8. Designated Environmentally Sensitive Sites Map



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8. Designated Environmentally Sensitive Sites

Designated Environmentally Sensitive Sites within 2000m of the study site

Identified

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

1

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

ID	Distance (m)	Direction	SSSI Name	Data Source
2A	1594	W	Holcroft Moss	Natural England

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

0

Database searched and no data found.

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

1

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

ID	Distance (m)	Direction	SAC Name	Data Source
1A	1594	W	Manchester Mosses	Natural England

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

0

Database searched and no data found.

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

0

Database searched and no data found.

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

0

Database searched and no data found.

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

0

Database searched and no data found.

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

0

Database searched and no data found.

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

0

Database searched and no data found.

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

0

Database searched and no data found.

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

0

Database searched and no data found.

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

0

Database searched and no data found.

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

2

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
3	0	On Site	Existing	DEFRA
4	389	W	Existing	DEFRA

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

5

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

ID	Distance	Direction	Green Belt Name	Local Authority Name
5	0	On Site	Liverpool, Manchester and West Yorks Greenbelt	Salford District (B)
6	389	W	Liverpool, Manchester and West Yorks Greenbelt	Salford District (B)
7	766	SW	Liverpool, Manchester and West Yorks Greenbelt	Warrington (B)
8	815	SW	Liverpool, Manchester and West Yorks Greenbelt	Warrington (B)
9	1081	E	Liverpool, Manchester and West Yorks Greenbelt	Trafford District (B)

9. Natural Hazards Findings

9.1 Detailed BGS GeoSure Data

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

9.1.1 Shrink Swell

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

High

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

Hazard

Very significant potential for compressibility problems. Avoid large differential loadings of ground. Do not drain or de-water ground near the property without technical advice. For new build consider possibility of compressible ground in ground investigation, construction and building design. Consider effects of groundwater changes. Construction may not be possible at economic cost. For existing property probable increase in insurance risk from compressibility especially if water conditions or loading of the ground change significantly.

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 study site is located within the specified search distance of an identified mining area. Further details concerning this can be obtained from the Coal Authority Helpline on 0845 762 6848.

10.2 Non-Coal Mining

Non-Coal Mining areas within 50m of the study site boundary

None identified

Database searched and no data found.

10.3 Brine Affected Areas

Brine affected areas within 75m of the study site

None identified

Guidance: No Guidance Required.

Contact Details

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

British Geological Survey Enquiries

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

Web: www.bgs.ac.uk

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

Environment Agency

National Customer Contact Centre, PO Box 544
Rotherham, S60 1BY
Tel: 03708 506 506

Web: www.environment-agency.gov.uk

Email: enquiries@environment-agency.gov.uk

Public Health England

Public information access office
Public Health England, Wellington House
133-155 Waterloo Road, London, SE1 8UG
www.gov.uk/phe

Email: enquiries@phe.gov.uk
Main switchboard: 020 7654 8000

The Coal Authority

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

Ordnance Survey

Adanac Drive, Southampton
SO16 0AS
Tel: 08456 050505

Local Authority

Authority: Salford City Council
Phone: 0161 794 4711

Web: <http://www.salford.gov.uk>

Address: Civic Centre, Chorley Road, Swinton, Salford, M27 5DA

Gemapping PLC

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



Public Health
England



The Coal
Authority



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