

**APPENDIX 2 – GROUNDSURE REPORTS** 



Jomas Associates Ltd

Lakeside House, 1 Furzeground Way, Stockley Park, UB11 1BD

Groundsure

HMD-377-2763935

Reference:

Your Reference: P9218J805-1

Report Date 22 Feb 2016

Report Delivery Email - pdf

Method:

#### **Groundsure Enviroinsight**

Address: Taskers, Unit B, Liver Industrial Estate, Long Lane, Aintree, Liverpool, L9 7DT

Dear Sir/ Madam,

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

If you need any further assistance, please do not hesitate to contact our helpline on +44843 289 2187 quoting the above report reference number.

Yours faithfully,

Jomas Associates Ltd

Groundsure Enviroinsight



### Groundsure Enviroinsight

Address: Taskers, Unit B, Liver Industrial Estate, Long Lane, Aintree, Liverpool, L9 7DT

Date: 22 Feb 2016

Reference: HMD-377-2763935

Client: Jomas Associates Ltd

NW NE

Aerial Photograph Capture date: 02-May-2007

Grid Reference: 337341,395486

Site Size: 0.91ha

Report Reference: HMD-377-2763935 Client Reference: P9218J805-1

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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	4	2	33	24
mapping	4	2	33	24
1.2 Additional Information – Historical Tank Database	0	6	24	22
1.3 Additional Information – Historical Energy Features Database	2	2	13	28
1.4 Additional Information – Historical Petrol and Fuel Site Database	0	0	0	0
1.5 Additional Information – Historical Garage and Motor Vehicle Repair Database	0	0	0	2
1.6 Potentially Infilled Land	0	1	14	29
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	1	0	1	1
2.1.7 Records of Category 3 or 4 Radioactive Substances Authorisations	0	0	0	0
2.1.8 Records of Licensed Discharge Consents	0	0	0	0
2.1.9 Records of Water Industry Referrals	0	0	0	0
2.1.10 Records of Planning Hazardous Substance Consents and Enforcements within 500m of the study site	0	0	0	0
2.2 Records of COMAH and NIHHS sites	0	0	0	1
2.3 Environment Agency Recorded Pollution Incidents				
2.3.1 National Incidents Recording System, List 2	0	0	1	5
2.3.2 National Incidents Recording System, List 1	0	0	0	0
2.4 Sites Determined as Contaminated Land under Part 2A EPA 1990	0	0	0	0





On-site	0-50m	51-250	251-500	501-1000	1000- 1500
0	0	0	0	0	Not searche
0	0	0	0	1	1
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	Not searched	Not searche
0	0	1	0	0	3
On-site	5	0-50m	51-25	0 2	51-500
1		4	14	No	t searched
0		0	0		0
0		0	0		0
0	,	0	0		0
		Y	es		
		0-5(	00m		
		Y	es		
		Υ	es		
On-site	0-50m	51-250	251-500	501-1000	1000-
On-site	0-50m 0	51-250 6	251-500	501-1000	
					2000
0	0	6	0	4	2000
0	0	6	0	4	2000 4 0
0 0	0 0	6 0 3	0 0	0 0	2000 4 0 1 Not searche
0 0 0	0 0 0	6 0 3 0	0 0 0	4 0 0 Not searched	2000 4 0 1 Not searche
	0 0 0 0 0 0 On-site	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0





LOCATION INTELLIGENCE						
Section 6: Hydrogeology and Hydrology	0-500m					
6.9 Is there any Environment Agency information on river quality within 1500m of the study site?	No	No	No	No	No	Yes
6.10 Detailed River Network entries within 500m of the site	0	0	0	0	Not searched	Not searched
6.11 Surface water features within 250m of the study site	No	No	No	Not searched	Not searched	Not searched
Section 7: Flooding						
7.1 Are there any Enviroment Agency Zone 2 floodplains within 250m of the study site?			Υ	'es		
7.2 Are there any Environment Agency Zone 3 floodplains within 250m of the study site			Y	'es		
7.3 What is the Risk of flooding from Rivers and the Sea (RoFRaS) rating for the study site?			Very	y Low		
7.4 Are there any Flood Defences within 250m of the study site?			1	No		
7.5 Are there any areas benefiting from Flood Defences within 250m of the study site?			١	No		
7.6 Are there any areas used for Flood Storage within 250m of the study site?			1	No		
7.7 What is the maximum BGS Groundwater Flooding susceptibility within 50m of the study site?	ty Limited potential					
7.8 What is the BGS confidence rating for the Groundwater Flooding susceptibility areas?	Low					
Section 8: Designated Environmentally Sensitive Sites	On-site	0-50m	51-250	251-500	501-1000	1000- 2000
8.1 Records of Sites of Special Scientific Interest (SSSI)	0	0	0	0	0	0
8.2 Records of National Nature Reserves (NNR)	0	0	0	0	0	0
8.3 Records of Special Areas of Conservation (SAC)	0	0	0	0	0	0
8.4 Records of Special Protection Areas (SPA)	0	0	0	0	0	0
8.5 Records of Ramsar sites	0	0	0	0	0	0
8.6 Records of Ancient Woodlands	0	0	0	0	0	0
8.7 Records of Local Nature Reserves (LNR)	0	0	0	0	0	0
8.8 Records of World Heritage Sites	0	0	0	0	0	0
8.9 Records of Environmentally Sensitive Areas	0	0	0	0	0	0





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

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

Section 10: Mining	
10.1 Are there any coal mining areas within 75m of the study site?	No
10.2 Are there any Non-Coal Mining areas within 50m of the study site boundary?	No
10.3 Are there any brine affected areas within 75m of the study site?	No





### Using this report

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

#### 1. Historical Industrial Sites

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

#### 2. Environmental Permits, Incidents and Registers

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

#### 3. Landfills and Other Waste Sites

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

#### 4. Current Land Uses

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

#### 5. Geology

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

#### 6. Hydrogeology and Hydrology

Provides information on productive strata within the bedrock and superficial geological layers, abstraction licenses, Source Protection Zones (SPZs) and river quality. These searches are conducted using radii of up to 2000m.

#### 7. Flooding

Provides information on river and coastal flooding, flood defences, flood storage areas and groundwater flood areas. This search is conducted using radii of up to 250m.

#### 8. Designated Environmentally Sensitive Sites

Provides information on the Sites of Special Scientific Interest (SSSI), National Nature Reserves (NNR), Special Areas of Conservation (SAC), Special Protection Areas (SPA), Ramsar sites, Local Nature Reserves (LNR), Areas of Outstanding Natural Beauty (AONB), National Parks (NP), Environmentally Sensitive Areas, Nitrate Sensitive Areas, Nitrate Vulnerable Zones and World Heritage Sites and Scheduled Ancient Woodland. These searches are conducted using radii of up to 2000m.

#### 9. Natural Hazards

Provides information on a range of natural hazards that may pose a risk to the study site. These factors include natural ground subsidence and radon..

#### 10. Mining

Provides information on areas of coal and non-coal mining and brine affected areas.

#### 11. Contacts

This section of the report provides contact points for statutory bodies and data providers that may be able to provide further information on issues raised within this report. Alternatively, Groundsure provide a free Technical Helpline (08444 159000) for further information and guidance.

#### **Note: Maps**

Only certain features are placed on the maps within the report. All features represented on maps found within this search are given an identification number. This number identifies the feature on the mapping and correlates it to the additional information provided below. This identification number precedes all other information and takes the following format -Id: 1, Id: 2, etc. Where numerous features on the same map are in such close proximity that the numbers would obscure each other a letter identifier is used instead to represent the features. (e.g. Three features which overlap may be given the identifier "A" on the map and would be identified separately as features 1A, 3A, 10A on the data tables provided).

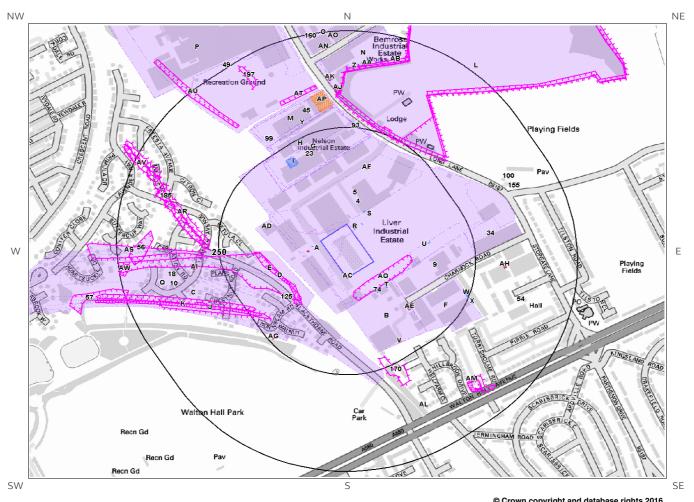
Where a feature is reported in the data tables to a distance greater than the map area, it is noted in the data table as "Not Shown".

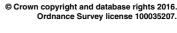
All distances given in this report are in Metres (m). Directions are given as compass headings such as N: North, E: East, NE: North East from the nearest point of the study site boundary.





### 1. Historical Land Use











### 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:

ID	Distance [m]	Direction	Use	Date
1A	0	On Site	Railway Sidings	1974
2A	0	On Site	Railway Sidings	1967
3S	0	On Site	Unspecified Works	1974
4	0	On Site	Industrial Estate	1987
5	8	NW	Unspecified Works	1967
6AQ	33	SE	Unspecified Pit	1974
7B	64	SE	Unspecified Factory	1974
8B	64	SE	Unspecified Factory	1967
9	64	SE	Unspecified Works	1967
10	92	SW	Railway Sidings	1925
11C	114	SW	Railway Sidings	1967
12C	114	SW	Railway Sidings	1955
13Q	116	SW	Railway Sidings	1938
14D	116	SW	Unspecified Ground Workings	1938
15D	116	SW	Unspecified Ground Workings	1938
16E	121	SW	Unspecified Pit	1906
17E	121	SW	Unspecified Pit	1891
18	127	SW	Railway Sidings	1925
19F	138	SE	Unspecified Works	1974
20F	138	SE	Unspecified Works	1967
21G	155	NW	Jam Factory	1925
22G	157	NW	Jam Factory	1925
23	157	NW	Jam Factory	1938
24H	161	NW	Unspecified Factory	1974
25H	161	NW	Unspecified Factories	1967
26G	163	NW	Unspecified Factory	1955
271	195	NW	Unspecified Tanks	1974
281	197	NW	Unspecified Tanks	1987
	213	SW	Refuse Heap	1938
30J	213	SW	Refuse Heap	1938
31Y	217	NW	Unspecified Factory	1938
32K	226	SW	Refuse Heap	1925
33K	229	SW	Refuse Heap	1955





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34	235	Е	Unspecified Works	1967
35L	248	NE	Cemetery	1925
36L	249	NE	Cemetery	1906
37L	249	NE	Cemetery	1925
38L	249	NE	Cemetery	1938
39L	249	NE	Cemetery	1891
40L	259	NE	Cemetery	1955
41L	259	NE	Cemetery	1974
42L	259	NE	Cemetery	1987
43L	259	NE	Cemetery	1967
44M	262	NW	Unspecified Factory	1925
45	273	NW	Provision Factory	1925
46M	281	NW	Unspecified Factory	1955
47AS	287	W	Unspecified Pit	1974
48N	337	N	Unspecified Works	1967
49	340	NW	Biscuit Factory	1938
50N	342	N	Unspecified Works	1974
51N	342	N	Unspecified Works	1987
52AT	347	NW	Unspecified Heap	1955
53AU	357	NW	Unspecified Heap	1955
54	374	Е	Pump	1851
55P	405	N	Unspecified Factory	1974
56	410	W	Unspecified Heap	1987
57	420	W	Railway Sidings	1925
580	444	N	Unspecified Works	1987
590	444	N	Unspecified Works	1967
600	444	N	Unspecified Works	1974
61P	450	NW	Unspecified Factory	1987
62AW	473	W	Unspecified Heap	1987
63Q	488	W	Unspecified Heap	1987

#### 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:

52

ID	Distance (m)	Direction	Use	Date
64R	6	NE	Unspecified Tank	1981
65R	7	NE	Unspecified Tank	1975
66R	7	NE	Unspecified Tank	1989
67A	23	SW	Unspecified Tank	1975
68R	29	NE	Tanks	1989





LOCATION INTELLIGENCE				
695	50	NE	Unspecified Tank	1981
70S	55	NE	Unspecified Tank	1989
71T	66	SE	Unspecified Tank	1954
72T	67	SE	Unspecified Tank	1954
73T	67	SE	Unspecified Tank	1954
74	67	SE	Unspecified Tank	1954
75U	126	Е	Unspecified Tank	1993
76U	141	Е	Unspecified Tank	1993
771	196	NW	Tanks	1975
781	196	NW	Tanks	1981
791	197	NW	Tanks	1989
801	200	NW	Tanks	1989
811	205	NW	Tanks	1989
821	205	NW	Tanks	1975
83V	206	SE	Unspecified Tank	1984
84V	206	SE	Unspecified Tank	1993
85V	207	SE	Unspecified Tank	1981
861	210	NW	Tanks	1989
87W	237	Е	Unspecified Tank	1980
88W	238	E	Unspecified Tank	1968
89W	238	Е	Unspecified Tank	1954
90W	243	Е	Unspecified Tank	1954
91H	247	NW	Unspecified Tank	1954
92H	247	NW	Unspecified Tank	1954
93	249	N	Unspecified Tank	1989
94X	261	SE	Unspecified Tank	1980
95X	262	SE	Unspecified Tank	1968
96Y	277	NW	Unspecified Tank	1954
97Y	277	NW	Unspecified Tank	1962
98Y	277	NW	Unspecified Tank	1954
99	282	NW	Unspecified Tank	1975
100	392	NE	Unspecified Tank	1954
101Z	403	N	Tanks	1975
102Z	403	N	Tanks	1989
103Z	403	N	Tanks	1981
104Z	407	N	Tanks	1989
105Z	407	N	Tanks	1975
106Z	407	N	Tanks	1981
107AA	412	N	Tanks	1981
108AA	413	N	Tanks	1975
109AA	413	N	Tanks	1989
110AA	420	N	Tanks	1981
111AA	421	N	Tanks	1975
112AA	421	N	Tanks	1989
113AA	423	N	Unspecified Tank	1989
114AB	437	N	Unspecified Tank	1989





115AB 441 N Unspecified Tank 1989

#### 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:

45

ID	Distance (m)	Direction	Use	Date
116AC	0	On Site	Electricity Substation	1993
117AC	0	On Site Electricity Substation		1984
118A	37	SW	Electricity Substation	1984
119A	38	SW	Electricity Substation	1993
120AD	134	W	Electricity Substation	1989
121AD	134	W	Electricity Substation	1981
122AE	144	SE	Electricity Substation	1954
123AE	144	SE	Electricity Substation	1954
124AF	147	N	Electricity Substation	1981
125	151	SW	Gas Governor	1984
126AF	152	N	Electricity Substation	1989
127V	205	SE	Electricity Substation	1984
128V	205	SE	Electricity Substation	1981
129V	206	SE	Electricity Substation	1993
130AG	236	SW	Electricity Substation	1993
131AG	236	SW	Electricity Substation	1984
132AG	236	SW	Electricity Substation	1981
133AI	314	W	Electricity Substation	1982
134AH	315	Е	Electricity Substation	1980
135AH	316	E	Electricity Substation	1954
136AH	316	E	Electricity Substation	1993
137AH	316	E	Electricity Substation	1954
138AH	316	E	Electricity Substation	1968
139AI	319	W	Electricity Substation	1987
140AJ	341	N	Electricity Substation	1954
141AJ	348	N	Electricity Substation	1954
142AK	373	N	Electricity Substation	1975
143AK	373	N	Electricity Substation	1989
144AK	374	N	Electricity Substation	1981
145AL	378	SE	Electricity Substation	1954
146AL	379	SE	Electricity Substation	1954
147AL	379	SE	Electricity Substation	1968
148AL	379	SE	Electricity Substation	1993
149AL	379	SE	Electricity Substation	1980





EOO/IIIOII IIIIEEEIGEIICE				
150AM	386	SE	Electricity Substation	1980
151AM	386	SE	Electricity Substation	1954
152AM	386	SE	Electricity Substation	1968
153AM	386	SE	Electricity Substation	1954
154AM	387	SE	Electricity Substation	1993
155	391	NE	Electricity Substation	1993
156AN	456	N	Electricity Substation	1974
157AN	456	N	Electricity Substation	1996
158AO	481	N	Electricity Substation	1955
159AO	482	N	Electricity Substation	1955
160	488	N	Electricity Substation	1974

#### 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:

2

ID	Distance (m)	Direction	Use	Date
161AP	296	N	Garage	1981
162AP	296	N	Garage	1975

#### 1.6 Potentially Infilled Land

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

44

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

ID	Distance(m)	Direction	Use	Date
163AQ	33	SE	Unspecified Pit	1974
164D	116	SW	Unspecified Ground Workings	1938
165D	116	SW	Unspecified Ground Workings	1938
166E	121	SW	Unspecified Pit	1891



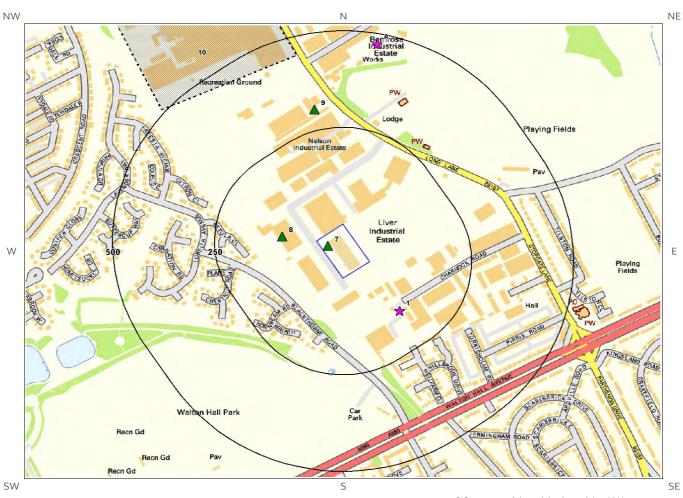


LOCATION INTELLIGENCE				
167E	121	SW	Unspecified Pit	1906
168J	213	SW	Refuse Heap	1938
169J	213	SW	Refuse Heap	1938
170	223	S	Ponds	1851
171K	226	SW	Refuse Heap	1925
172K	229	SW	Refuse Heap	1955
173L	248	NE	Cemetery	1925
174L	249	NE	Cemetery	1938
175L	249	NE	Cemetery	1906
176L	249	NE	Cemetery	1925
177L	249	NE	Cemetery	1891
178L	259	NE	Cemetery	1955
179L	259	NE	Cemetery	1967
180L	259	NE	Cemetery	1974
181L	259	NE	Cemetery	1987
182AR	272	W	Ponds	1967
183AR	272	W	Ponds	1974
184AR	272	W	Ponds	1955
185	274	W	Ponds	1925
186AR	277	W	Ponds	1891
187AR	277	W	Ponds	1938
188AR	277	W	Ponds	1925
189AR	277	W	Ponds	1906
190AS	287	W	Unspecified Pit	1974
191AT	347	NW	Unspecified Heap	1955
192AU	357	NW	Unspecified Heap	1955
193AM	386	SE	Pond	1906
194AM	387	SE	Ponds	1851
195AM	390	SE	Pond	1891
196AS	410	W	Unspecified Heap	1987
197	422	NW	Pond	1851
198AV	428	W	Ponds	1925
199AV	428	W	Ponds	1906
200AV	428	W	Ponds	1938
201AV	428	W	Ponds	1891
202AV	429	W	Ponds	1974
203AV	429	W	Ponds	1967
204AV	429	W	Ponds	1955
205AW	473	W	Unspecified Heap	1987
206Q	488	W	Unspecified Heap	1987





## 2. Environmental Permits, Incidents and Registers Map



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### 2. Environmental Permits, **Incidents and Registers**

#### 2.1 Industrial Sites Holding Licences and/or Authorisations

Searches of information provided by the Environment Agency and Local Authorities reveal the foll information:	lowing
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) v 500m of the study site:	within
	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:	
2.1.5 Records of List 2 Dangerous Substance inventory Sites within 500m of the study site.	0
Database searched and no data found.	0
<u> </u>	





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

3

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

ID	Distance (m)	Direction	NGR	Details		
7	0	On Site	337300 395500	Address: Fortress Fabrications Ltd, Liver Ind Est, Long Lane, L9 7ES Process: coating & enamelling process Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of Enforcement: No Enforcement Notified Comment: No Enforcement Notified	
8	85	W	337188 395524	Address: Mersey Container Services (Formerly Fortress Fabrications) Process: Metal Coating Status: Current Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of Enforcement: No Enforcement Notified Comment: No Enforcement Notified	
9	302	N	337267 395853	Address: Reliable Autos (Long Lane) Process: Petrol Filling Station Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of Enforcement: No Enforcement Notified Comment: No Enforcement Notified	

				Permit Type: Part B	Comment: No Enforcement No	tified
9	302	N	337267 395853	Address: Reliable Autos (Long Lane) Process: Petrol Filling Station Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcement No Date of Enforcement: No Enforcement No Enforcement No Comment: No Enforcement No	emen
2.1.7 Re	cords of (	Category 3	or 4 Radioact	ive Substances Authorisations:		
						0
			Databa	se searched and no data found.		
2.1.8 Re	cords of I	Licensed D	ischarge Cons	ents within 500m of the study site	e:	
						0
			Databa	se searched and no data found.		
	cords of the stud		ustry Referrals	(potentially harmful discharges t	o the public sewer) within	
						0
			Databa			

Database searched and no data found.

2.1.10 Records of Planning Hazardous Substance Consents and Enforcements within 500m of the study site:

Database searched and no data found.

Report Reference: HMD-377-2763935 Client Reference: P9218J805-1 0





#### 2.2 Dangerous or Hazardous Sites

Records of COMAH & NIHHS sites within 500m of the study site:

The following COMAH & NIHHS Authorisation records provided by the Health and Safety Executive are represented as polygons or buffered points on the Environmental Permits, Incidents and Registers Map:

ID	Distance (m)	Direction	Company	Address	Operational Status	Tier
10	446	NW	Jacobs Bakery Ltd	Jacobs Bakery Ltd, Long Lane, Aintree, L9 7LD	Historical NIHHS Site	-

#### 2.3 Environment Agency Recorded Pollution Incidents

#### 2.3.1 Records of National Incidents Recording System, List 2 within 500m of the study site:

6

1

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	146	SE	337476 395335	Incident Date: 21-Nov-2001 Incident Identification: 44109 Pollutant: Specific Waste Materials Pollutant Description: Tyres	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)	
2A	472	N	337421 396024	Incident Date: 25-Aug-2005 Incident Identification: 341356 Pollutant: Specific Waste Materials Pollutant Description: Commercial Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 2 (Significant) Air Impact: Category 4 (No Impact)	
3A	472	N	337421 396024	Incident Date: 25-Aug-2005 Incident Identification: 341356 Pollutant: Inert Materials and Wastes Pollutant Description: Construction and Demolition Materials and Wastes	Water Impact: Category 4 (No Impact) Land Impact: Category 2 (Significant) Air Impact: Category 4 (No Impact)	
4A	472	N	337421 396024	Incident Date: 25-Aug-2005 Incident Identification: 341356 Pollutant: Specific Waste Materials Pollutant Description: Household Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 2 (Significant) Air Impact: Category 4 (No Impact)	
5A	472	N	337421 396024	Incident Date: 25-Aug-2005 Incident Identification: 341356 Pollutant: Specific Waste Materials Pollutant Description: Asbestos	Water Impact: Category 4 (No Impact) Land Impact: Category 2 (Significant) Air Impact: Category 4 (No Impact)	
6A	472	N	337421 396024	Incident Date: 25-Aug-2005 Incident Identification: 341356 Pollutant: Specific Waste Materials Pollutant Description: Tyres	Water Impact: Category 4 (No Impact) Land Impact: Category 2 (Significant) Air Impact: Category 4 (No Impact)	

Report Reference: HMD-377-2763935 Client Reference: P9218J805-1

21





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

0

0

Database searched and no data found.

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

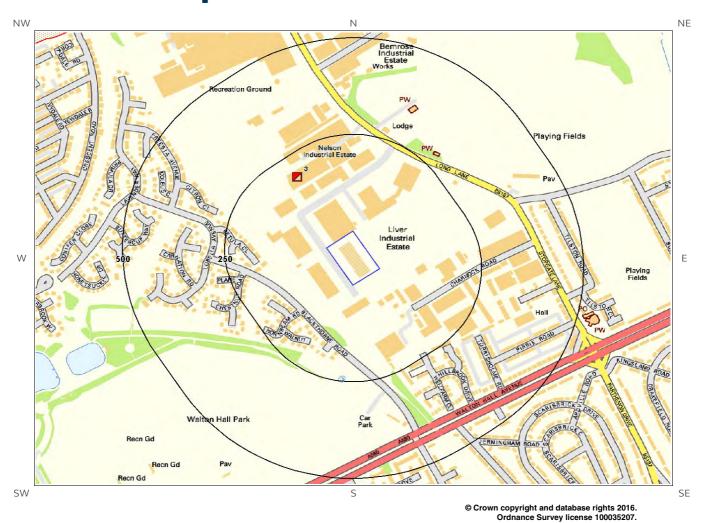
How many records of sites determined as contaminated land under Section 78R of the Environmental Protection Act 1990 are there within 500m of the study site?

Database searched and no data found.





## 3. Landfill and Other Waste Sites Map



E.A. Active Landfill

Historic and Planned Waste Sites

E.A. Historic Landfill

E.A. Licensed Waste Site

E.A. Licensed Waste Site

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 Agenc	/ landfill data	within	1000m	of the stud	v site:
--------------------------------------	-----------------	--------	-------	-------------	---------

0

Database searched and no data found.

3.1.2 Records of Environment Agency historic landfill sites within 1500m of the study site:

2

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

ID	Distance (m)	Direction	NGR	Details		
1	829	NW	336400 396100	Site Address: Evered Avenue, Evered Avenue, Liverpool, Merseyside Waste Licence: - Site Reference: GDO M120, K1/16/120 Waste Type: - Environmental Permitting Regulations (Waste) Reference: -	Licence Issue: Licence Surrendered: Licence Hold Address: - Operator: - First Recorded: - Last Recorded: -	
Not shown	1152	NW	335600 396200	Site Address: Fernhill Road, Fernhill Cutting, Langton Branch, Orrell Park, Bootle, Merseyside Waste Licence: Yes Site Reference: GDO M030, 045/03, 146/03, K1/15/030, WD100/328 Waste Type: Inert, Industrial, Household Environmental Permitting Regulations (Waste) Reference: -	Licence Issue: 25-Nov-1977 Licence Surrendered: Licence Hold Address: - Operator: - First Recorded: 01-Oct-1977 Last Recorded: 31-Dec-1986	

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

0

Database searched and no data found.





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

Database searched and no data found.

#### 3.2 Other Waste Sites

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

0

Database searched and no data found.

3.2.2 Records of Environment Agency licensed waste sites within 1500m of the study site:

4

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			
3	194	NW	337200 395700	Site Address: Unit 4 Nelson Business Park, Long Lane, Walton, Liverpool, Merseyside, L9 7BN  Type: Material Recycling Treatment Facility Size: >= 25000 tonnes < 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: PAL047 EPR reference: EA/EPR/FB3131AZ/V002 Operator: Palm Recycling Ltd Waste Management licence No: 103897 Annual Tonnage: 40000.0	Issue Date: 03/05/2012 Effective Date: - Modified: 29/08/2012 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified Site Name: Palm Recycling Ltd Correspondence Address: -, -		
Not shown	1281	SW	336100 395000	Site Address: Moor Lane, Walton, Liverpool, Merseyside, L4 6XG  Type: Household, Commercial & Industrial Waste T Stn Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: LIV002 EPR reference: KP3497CP/S002 Operator: "Liverpool City Council, Cleansing Dept"  Waste Management licence No: 54254 Annual Tonnage: 203474.0	Issue Date: 10/10/1991 Effective Date: - Modified: - Surrendered Date: 22/04/2003 Expiry Date: - Cancelled Date: - Status: Surrendered Site Name: Liverpool C C Cleansing Dept Moor Lane Depot Correspondence Address: -, -		



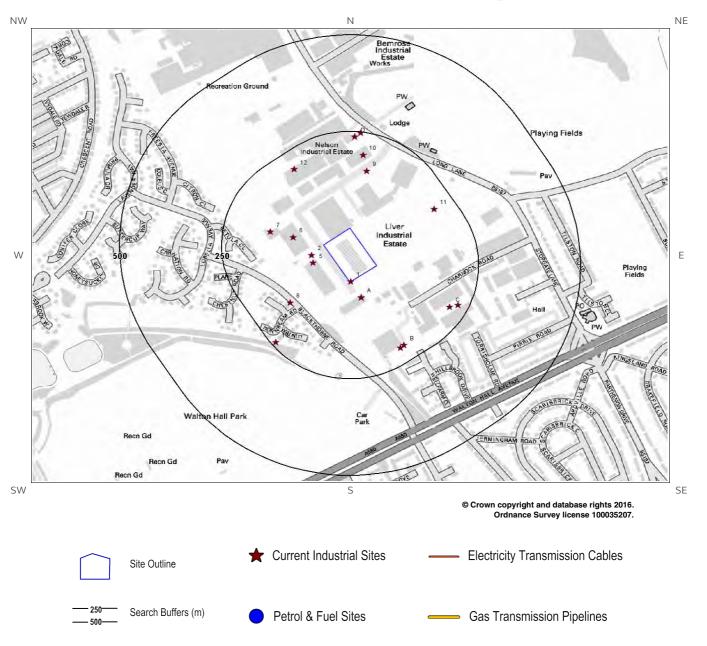


ID	Distance (m)	Direction	NGR	Det	ails
Not shown	1281	SW	336100 395000	Site Address: Moor Lane, Walton, Liverpool, Merseyside, L4 6XG  Type: Household, Commercial & Industrial Waste T Stn Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: LIV002  EPR reference: EA/EPR/KP3497CP/S002  Operator: Liverpool City Council, Cleansing Dept Waste Management licence No: 54254 Annual Tonnage: 203474.0	Issue Date: 10/10/1991 Effective Date: - Modified: - Surrendered Date: 22/04/2003 Expiry Date: - Cancelled Date: - Status: Surrendered Site Name: Liverpool C C Cleansing Dept Moor Lane Depot Correspondence Address: -, -
Not shown	1281	SW	336100 395000	Site Address: Moor Lane, Walton, Liverpool, Merseyside, L4 6XG  Type: Household, Commercial & Industrial Waste T Stn Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: LIV002  EPR reference: EA/EPR/KP3497CP/S002 Operator: Liverpool City Council - Cleansing Dept Waste Management licence No: 54254 Annual Tonnage: 203474.0	Issue Date: 10/10/1991 Effective Date: - Modified: - Surrendered Date: 22/04/2003 Expiry Date: - Cancelled Date: - Status: Surrendered Site Name: Liverpool C C Cleansing Dept Moor Lane Depot Correspondence Address: -, -





### 4. Current Land Use Map







### 4. Current Land Uses

#### **4.1 Current Industrial Data**

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

19

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

ID	Distance (m)	Directio n	Company	NGR	Address	Activity	Category
1	0	On Site	Electricity Sub Station	337339 395422	L9	Electrical Features	Infrastructure and Facilities
2	39	SW	Electricity Sub Station	337243 395490	L9	Electrical Features	Infrastructure and Facilities
3A	47	SE	Liverpool Reclamation & Demolition Ltd	337364 395380	Unit L6 Liver Industrial Estate, Long Lane, Walton, Liverpool, L9 7ES	Demolition Services	Construction Services
4A	47	SE	Target Scaffolding Ltd	337364 395380	Unit L6 Liver Industrial Estate, Long Lane, Walton, Liverpool, L9 7ES	Construction and Tool Hire	Hire Services
5	47	SW	Coulton's Bread Ltd	337246 395469	Unit G5-G6 Liver Industrial Estate, Long Lane, Walton, Liverpool, L9 7ES	Baking and Confectionery	Foodstuffs
6	78	W	Mersey Container Services	337198 395536	Unit H Liver Industrial Estate, Long Lane, Walton, Liverpool, L9 7ES	Packaging	Industrial Products
7	136	W	Electricity Sub Station	337142 395550	L9	Electrical Features	Infrastructure and Facilities
8	151	SW	Gas Governor Station	337191 395367	L9	Gas Features	Infrastructure and Facilities
9	154	N	Electricity Sub Station	337378 395708	L9	Electrical Features	Infrastructure and Facilities
10	193	N	Liver Beds	337369 395749	Unit E1 Liver Industrial Estate, Long Lane, Walton, Liverpool, L9 7ES	Beds and Bedding	Consumer Products
11	199	NE	Liver Industrial Estate	337544 395609	L9	Business Parks and Industrial Estates	Industrial Features
12	204	NW	Tanks	337200 395712	L9	Tanks (Generic)	Industrial Features
13C	207	SE	Paula Works	337581 395356	L9	Unspecified Works Or Factories	Industrial Features
14B	207	SE	Electricity Sub Station	337469 395257	L9	Electrical Features	Infrastructure and Facilities
15B	209	SE	Tank	337461 395250	L9	Tanks (Generic)	Industrial Features
16C	223	SE	Industrial Estate	337602 395361	L9	Business Parks and Industrial Estates	Industrial Features





ID	Distance (m)	Directio n	Company	NGR	Address	Activity	Category
17D	237	N	Hills Tool & Plant Hire Ltd	337348 395796	Nelson Industrial Estate, Long Lane, Walton, Liverpool, L9 7BN	Construction and Tool Hire	Hire Services
18	238	SW	Electricity Sub Station	337156 395265	L9	Electrical Features	Infrastructure and Facilities
19D	248	N	Tank	337363 395806	L9	Tanks (Generic)	Industrial Features

#### 4.2 Petrol and Fuel Sites

Records of petrol or fuel sites within 500m of the study site:

0

Database searched and no data found.

#### 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:

Ω

Database searched and no data found.

#### 4.4 National Grid High Pressure Gas Transmission Pipelines

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

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

0

Database searched and no data found.





### 5. Geology

#### 5.1 Artificial Ground and Made Ground

Database searched and no data found.

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

#### 5.2 Superficial Ground and Drift Geology

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

Lex Code	Description	Rock Type		
TILLD	TILL, DEVENSIAN	DIAMICTON		

#### 5.3 Bedrock and Solid Geology

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

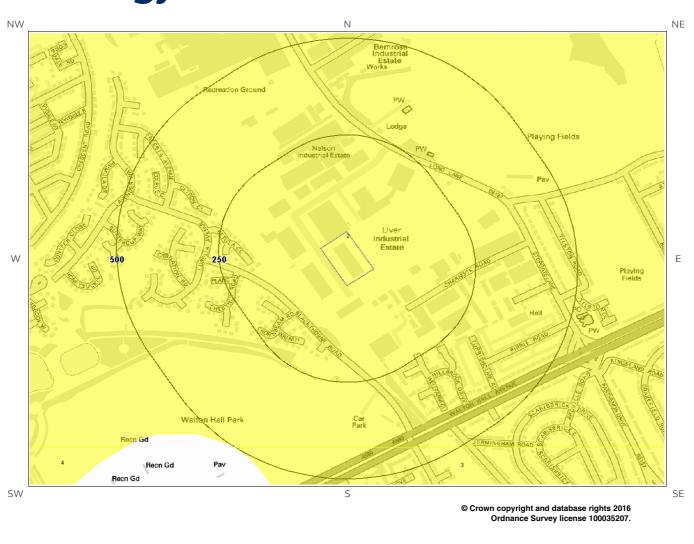
Lex Code	Description	Rock Type
WLSF-SDST	WILMSLOW SANDSTONE FORMATION	SANDSTONE

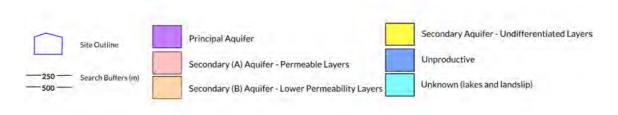
(Derived from the BGS 1:50,000 Digital Geological Map of Great Britain)





### 6 Hydrogeology and Hydrology 6a. Aquifer Within Superficial Geology

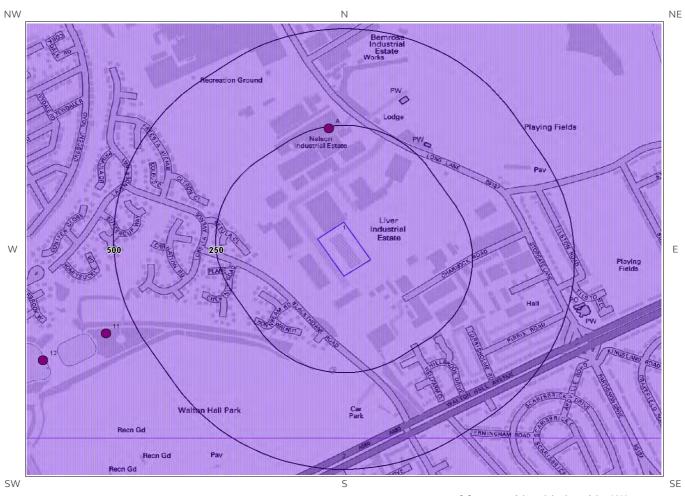








### 6b. Aquifer Within Bedrock Geology and Abstraction Licenses



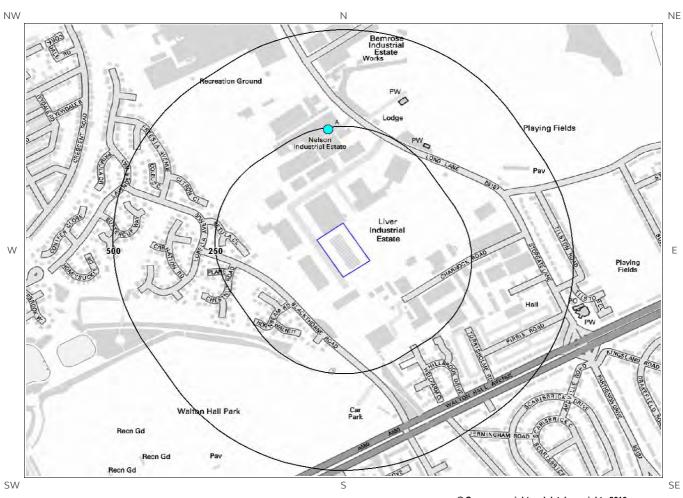
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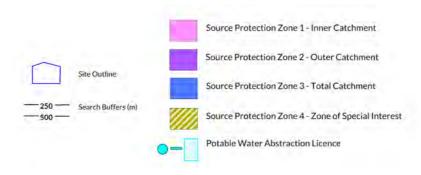




### 6c. Hydrogeology – Source Protection Zones and Potable Water Abstraction Licenses



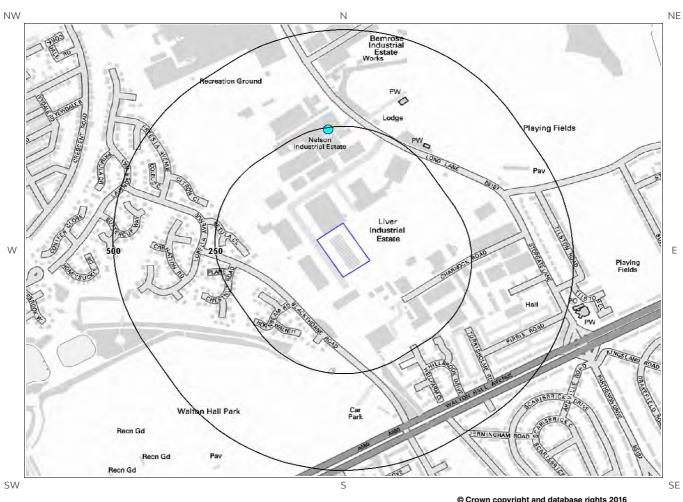
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# 6d. Hydrogeology – Source Protection Zones within confined aquifer



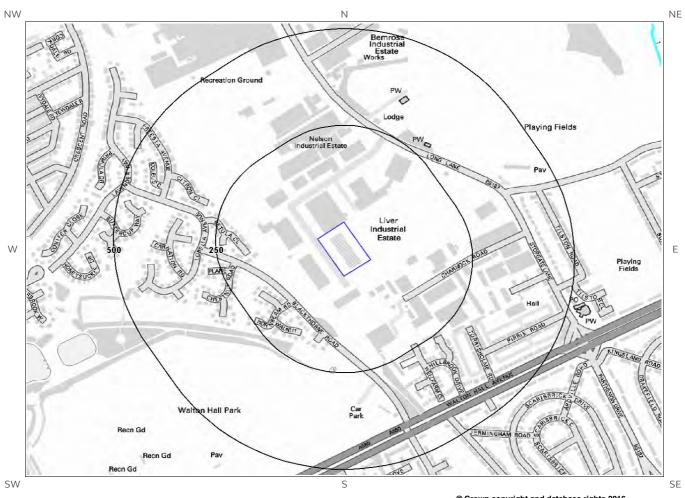
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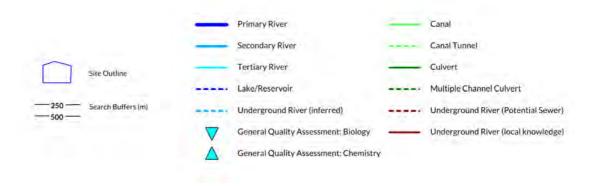




### 6e. Hydrology – Detailed River Network and River Quality



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### 6. Hydrogeology and Hydrology

#### 6.1 Aquifer within Superficial Deposits

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

From 1 April 2010, the Environment Agency'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 Enviroinsight User Guide.

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

ID	Distanc e (m)	Direction	Designation	Description		
2	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		
3	419	S	Secondary (undifferentiated)	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type		

#### 6.2 Aguifer within Bedrock Deposits

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

From 1 April 2010, the Environment Agency'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 Enviroinsight User Guide.

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

ID	Distanc e (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	419	S	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**

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

Yes

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

ID	Distanc e (m)	Direction	NGR	Detail	s
3A	244	N	337300 395800	Status: Active Licence No: 2569031004 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Ground Water - North West Region Point: Borehole At Premises Long Lane Aintree Liverpool Data Type: Point Name: CENTAUR PROPERTY INVESTMENTS LTD	Annual Volume (m³): 32731.2 Max Daily Volume (m³): 109.1 Original Application No: C/0379-S2 Original Start Date: 17/2/1966 Expiry Date: - Issue No: 101 Version Start Date: 1/7/2002 Version End Date:
4A	244	N	337300 395800	Status: Historical Licence No: 2569031004  Details: General Cooling (Existing Licences Only) (Low Loss)  Direct Source: Ground Water - North West Region  Point: "borehole At Premises, Long Lane, Aintree, Liverpool"  Data Type: Point Name: ALLIED FOODS LTD	Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: 379 Original Start Date: 17/2/1966 Expiry Date: - Issue No: 100 Version Start Date: 1/4/1984 Version End Date:
5A	244	N	337300 395800	Status: Historical Licence No: 2569031004 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Ground Water - North West Region Point: Borehole At Premises, Long Lane, Aintree, Liverpool Data Type: Point Name: CENTAUR PROPERTY INVESTMENTS LTD	Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: C/0379-S2 Original Start Date: 17/2/1966 Expiry Date: - Issue No: 101 Version Start Date: 1/7/2002 Version End Date:
6A	244	N	337300 395800	Status: Historical Licence No: 2569031004  Details: "Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services"  Direct Source: Ground Water - North West Region  Point: "borehole At Premises, Long Lane, Aintree, Liverpool"  Data Type: Point  Name: ALLIED FOODS LTD	Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: 379 Original Start Date: 17/2/1966 Expiry Date: - Issue No: 100 Version Start Date: 1/4/1984 Version End Date:
7A	244	N	337300 395800	Status: Historical Licence No: 2569031004  Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services  Direct Source: Ground Water - North West Region  Point: Borehole At Premises, Long Lane, Aintree, Liverpool Data Type: Point  Name: CENTAUR PROPERTY INVESTMENTS LTD	Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: C/0379-S2 Original Start Date: 17/2/1966 Expiry Date: - Issue No: 101 Version Start Date: 1/7/2002 Version End Date:





L	OCATION IN	TELLIGENCE					
ID	Distanc e (m)	Direction	NGR	Details			
8A	244	N	337300 395800	Status: Active Licence No: 2569031004  Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services  Direct Source: Ground Water - North West Region  Point: Borehole At Premises Long Lane Aintree Liverpool Data Type: Point  Name: CENTAUR PROPERTY INVESTMENTS LTD	Annual Volume (m³): 32731.2 Max Daily Volume (m³): 109.1 Original Application No: C/0379-S2 Original Start Date: 17/2/1966 Expiry Date: - Issue No: 101 Version Start Date: 1/7/2002 Version End Date:		
Not shown	558	N	337200 396100	Status: Historical Licence No: 2569031140  Details: General Use Relating To Secondary Category (Medium Loss)  Direct Source: Ground Water - North West Region  Point: Land At Express Dairies, Long Lane, Aintree Data Type: Point Name: EXPRESS LIMITED	Annual Volume (m³): 450000 Max Daily Volume (m³): 1500 Original Application No: C8713 Original Start Date: 13/3/2003 Expiry Date: 31/3/2015 Issue No: 1 Version Start Date: 13/3/2003 Version End Date:		
Not shown	558	N	337200 396100	Status: Historical Licence No: 2569031140  Details: General use relating to Secondary Category (Medium Loss)  Direct Source: Ground Water - North West Region  Point: "land At Express Dairies, Long Lane, Aintree"  Data Type: Point Name: EXPRESS LIMITED	Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: C8713 Original Start Date: 13/3/2003 Expiry Date: 31/3/2015 Issue No: 1 Version Start Date: 13/3/2003 Version End Date:		
11	574	SW	336754 395270	Status: Active Licence No: 2569031139R01 Details: Make-Up Or Top Up Water Direct Source: Ground Water - North West Region Point: Underground Strata: Permo-triassic Sandstone At Liverpool Data Type: Point Name: LIVERPOOL CITY COUNCIL	Annual Volume (m³): 37476 Max Daily Volume (m³): 205 Original Application No: NPS/WR/018527 Original Start Date: 22/6/2015 Expiry Date: 31/3/2028 Issue No: 1 Version Start Date: 22/6/2015 Version End Date:		
12	743	SW	336600 395200	Status: Historical Licence No: 2569031139 Details: Make-Up Or Top Up Water Direct Source: Ground Water - North West Region Point: Underground Strata: Permo-triassic Sandstone At Liverpool Data Type: Point Name: LIVERPOOL CITY COUNCIL	Annual Volume (m³): 37476 Max Daily Volume (m³): 204.7 Original Application No: C8711 Original Start Date: 17/10/2002 Expiry Date: 31/3/2015 Issue No: 1 Version Start Date: 17/10/2002 Version End Date:		
Not shown	1034	NW	336600 396300	Status: Historical Licence No: 2569031109  Details: General use relating to Secondary Category (Medium Loss)  Direct Source: Ground Water - North West Region Point: "borehole At Hartley's Village, Aintree,liverpool" Data Type: Point  Name: HANSON QUARRY PRODUCTS EUROPE LTD	Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: - Original Start Date: 23/12/1994 Expiry Date: - Issue No: 101 Version Start Date: 1/7/2000 Version End Date:		





ID	Distanc e (m)	Direction	NGR	Details		
Not shown	1034	NW	336600 396300	Status: Active Licence No: 2569031109 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: Borehole At Hartley's Village, Aintree,liverpool Data Type: Point Name: HANSON QUARRY PRODUCTS EUROPE LIMITED	Annual Volume (m³): 20000 Max Daily Volume (m³): 90 Original Application No: NPS/WR/011609 Original Start Date: 23/12/1994 Expiry Date: - Issue No: 102 Version Start Date: 13/8/2012 Version End Date:	
Not shown	1036	SE	338200 394800	Status: Historical Licence No: 18/54/02/0372 Details: General Farming & Domestic Direct Source: Groundwater Midlands Region Point: Manor Farm - Borehole Data Type: Point Name: MESSRS T C THOMAS AND SON	Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: - Original Start Date: 7/9/1967 Expiry Date: - Issue No: 100 Version Start Date: 7/9/1967 Version End Date:	
Not shown	1475	W	335800 395600	Status: Historical Licence No: 2569031105 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Ground Water - North West Region Point: Borehole At Walton Hospital Data Type: Point Name: AINTREE HOSPITALS NHS TRUST	Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: 2875 Original Start Date: 11/3/1992 Expiry Date: - Issue No: 100 Version Start Date: 22/7/1993 Version End Date:	

#### **6.4 Surface Water Abstraction Licences**

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

No

Database searched and no data found.





#### **6.5 Potable Water Abstraction Licences**

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

Yes

The following Potable Water Abstraction Licences records are represented as points, lines and regions on the SPZ and Potable Water Abstraction Licences Map (6c):

ID	Distanc e (m)	Direction	NGR	Details		
1A	244	N	337300 395800	Status: Historical Licence No: 2569031004  Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services  Direct Source: Ground Water - North West Region  Point: Borehole At Premises, Long Lane, Aintree, Liverpool Data Type: Point  Name: CENTAUR PROPERTY INVESTMENTS LTD	Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: C/0379-S2 Original Start Date: 17/2/1966 Expiry Date: - Issue No: 101 Version Start Date: Version End Date:	
2A	244	N	337300 395800	Status: Historical Licence No: 2569031004  Details: "Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services"  Direct Source: Ground Water - North West Region  Point: "borehole At Premises, Long Lane, Aintree, Liverpool"  Data Type: Point  Name: ALLIED FOODS LTD	Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: 379 Original Start Date: 17/2/1966 Expiry Date: - Issue No: 100 Version Start Date: Version End Date:	
3A	244	N	337300 395800	Status: Active Licence No: 2569031004  Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services  Direct Source: Ground Water - North West Region  Point: Borehole At Premises Long Lane Aintree Liverpool Data Type: Point  Name: CENTAUR PROPERTY INVESTMENTS LTD	Annual Volume (m³): 32731.2 Max Daily Volume (m³): 109.1 Original Application No: C/0379-S2 Original Start Date: 17/2/1966 Expiry Date: - Issue No: 101 Version Start Date: Version End Date:	
Not shown	1475 W 335800 395600			Status: Historical Licence No: 2569031105 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Ground Water - North West Region Point: Borehole At Walton Hospital Data Type: Point Name: AINTREE HOSPITALS NHS TRUST	Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: 2875 Original Start Date: 11/3/1992 Expiry Date: - Issue No: 100 Version Start Date: Version End Date:	





#### **6.6 Source Protection Zones**

Are there any Source Protection Zones within 500m of the study site?

No

Database searched and no data found.

#### 6.7 Source Protection Zones within Confined Aquifer

Are there any Source Protection Zones within the Confined Aquifer within 500m of the study site?

Nο

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

Database searched and no data found.

#### 6.8 Groundwater Vulnerability and Soil Leaching Potential

Is there any Environment Agency information on groundwater vulnerability and soil leaching potential within 500m of the study site? Yes

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.

#### 6.9 River Quality

Is there any Environment Agency information on river quality within 1500m of the study site?

Yes

6.9.1 Biological Quality:

Database searched and no data found.





Chemical quality data is based on the General Quality Assessment Headline Indicators scheme (GQAHI). 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):

					Chemical Quality Grade				
ID	Distanc e (m)	Direction	NGR	River Quality Grade	2005	2006	2007	2008	2009
Not shown	1293	N	337700 396800	River Name: Fazakerley Bk Reach: Qsl At Higher Lane To Alt End/Start of Stretch: Start of Stretch NGR	D	D	D	С	С

#### **6.10 Detailed River Network**

Are there any Detailed River Network entries within 500m of the study site?

No

Database searched and no data found.

#### **6.11 Surface Water Features**

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

No

Database searched and no data found.