

## Appendix A – Groundsure Enviro Insight Report



# Groundsure

LOCATION INTELLIGENCE

Pick Everard

HALFORD HOUSE, CHARLES STREET,  
LEICESTER, LE1 1HA

Groundsure

Reference:

Your Reference: Barry\_-\_PO73942

GS-6538157

Report Date 6 Jan 2020

Report Delivery Email - pdf  
Method:

## Enviro Insight

Address: TOWER 101M FROM HEINNIE HAYNES, UNIT 4-6, WIMBORNE ROAD 67M FROM UNNAMED ROAD, ACCESS ROAD TO WINDMILL INDUSTRIAL AREA, BARRY, CF63 3DH

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,

A large black rectangular redaction box covering the signature area.

Managing Director  
Groundsure Limited

Enc.  
Groundsure Enviroinsight

# Enviro Insight

Address:

TOWER 101M FROM HEINNIE HAYNES, UNIT 4-6, WIMBORNE ROAD 67M FROM UNNAMED ROAD, ACCESS ROAD TO WINDMILL INDUSTRIAL AREA, BARRY, CF63 3DH

Date:

6 Jan 2020

Reference:

GS-6538157

Client:

Pick Everard

NW

N

NE

W

E



SW

S

SE

Aerial Photograph Capture date: 19-Jul-2016

Grid Reference: 311631,167363

Site Size: 5.1894ha

Report Reference: GS-6538157

Client Reference: Barry\_-\_PO73942

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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	23	18	113	145
1.2 Additional Information – Historical Tank Database	0	0	66	112
1.3 Additional Information – Historical Energy Features Database	0	0	4	22
1.4 Additional Information – Historical Petrol and Fuel Site Database	0	0	0	0
1.5 Additional Information – Historical Garage and Motor Vehicle Repair Database	0	1	5	21
1.6 Historical military sites	0	0	0	0
1.7 Potentially Infilled Land	10	8	26	39
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	1
2.1.6 Records of Part A(2) and Part B Activities and Enforcements	0	0	0	2
2.1.7 Records of Category 3 or 4 Radioactive Substances Authorisations	0	0	1	0
2.1.8 Records of Licensed Discharge Consents	0	0	8	12
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	2
2.2 Records of COMAH and NIHHS sites	0	0	0	2
2.3 Environment Agency/Natural Resources Wales Recorded Pollution Incidents				
2.3.1 National Incidents Recording System, List 2	0	0	0	1
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	0	1	3
3.1.3 BGS/DoE Landfill Site Survey	0	0	0	0	0	0
3.1.4 Records of Landfills in Local Authority and Historical Mapping Records	0	0	0	1	2	2
3.2 Landfill and Other Waste Sites Findings						
3.2.1 Operational and Non-Operational Waste Treatment, Transfer and Disposal Sites	0	0	4	0	Not searched	Not searched
3.2.2 Environment Agency/Natural Resources Wales Licensed Waste Sites	0	0	0	0	2	8

Section 4: Current Land Use	On-site	0-50m	51-250	251-500
4.1 Current Industrial Sites Data	0	1	6	Not searched
4.2 Records of Petrol and Fuel Sites	0	0	1	2
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	Identified
5.2 Records of Superficial Ground and Drift Geology present beneath the study site	Identified
5.3 For records of Bedrock and Solid Geology beneath the study site see the detailed findings section.	

Section 6: Hydrogeology and Hydrology	0-500m					
6.1 Records of Strata Classification in the Superficial Geology within 500m of the study site	Identified					
6.2 Records of Strata Classification in the Bedrock Geology within 500m of the study site	Identified					
	On-site	0-50m	51-250	251-500	501-1000	1000-2000
6.3 Groundwater Abstraction Licences (within 2000m of the study site)	0	0	0	0	2	0
6.4 Surface Water Abstraction Licences (within 2000m of the study site)	0	0	0	0	0	3
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)	0	0	1	1	Not searched	Not searched

## Section 6: Hydrogeology and Hydrology

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

## Section 7: Flooding

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

## Section 8: Designated Environmentally Sensitive Sites

	On-site	0-50m	51-250	251-500	501-1000	1000-2000
8.1 Records of Sites of Special Scientific Interest (SSSI)	0	0	0	0	0	6
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	9
8.7 Records of Local Nature Reserves (LNR)	0	0	0	0	0	5
8.8 Records of World Heritage Sites	0	0	0	0	0	0
8.9 Records of Environmentally Sensitive Areas	0	0	0	0	0	0

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

## Section 9: Natural Hazards

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

## Section 10: Mining

10.1 Coal mining areas within 75m of the study site	None identified
10.2 Non-Coal Mining areas within 50m of the study site boundary	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.

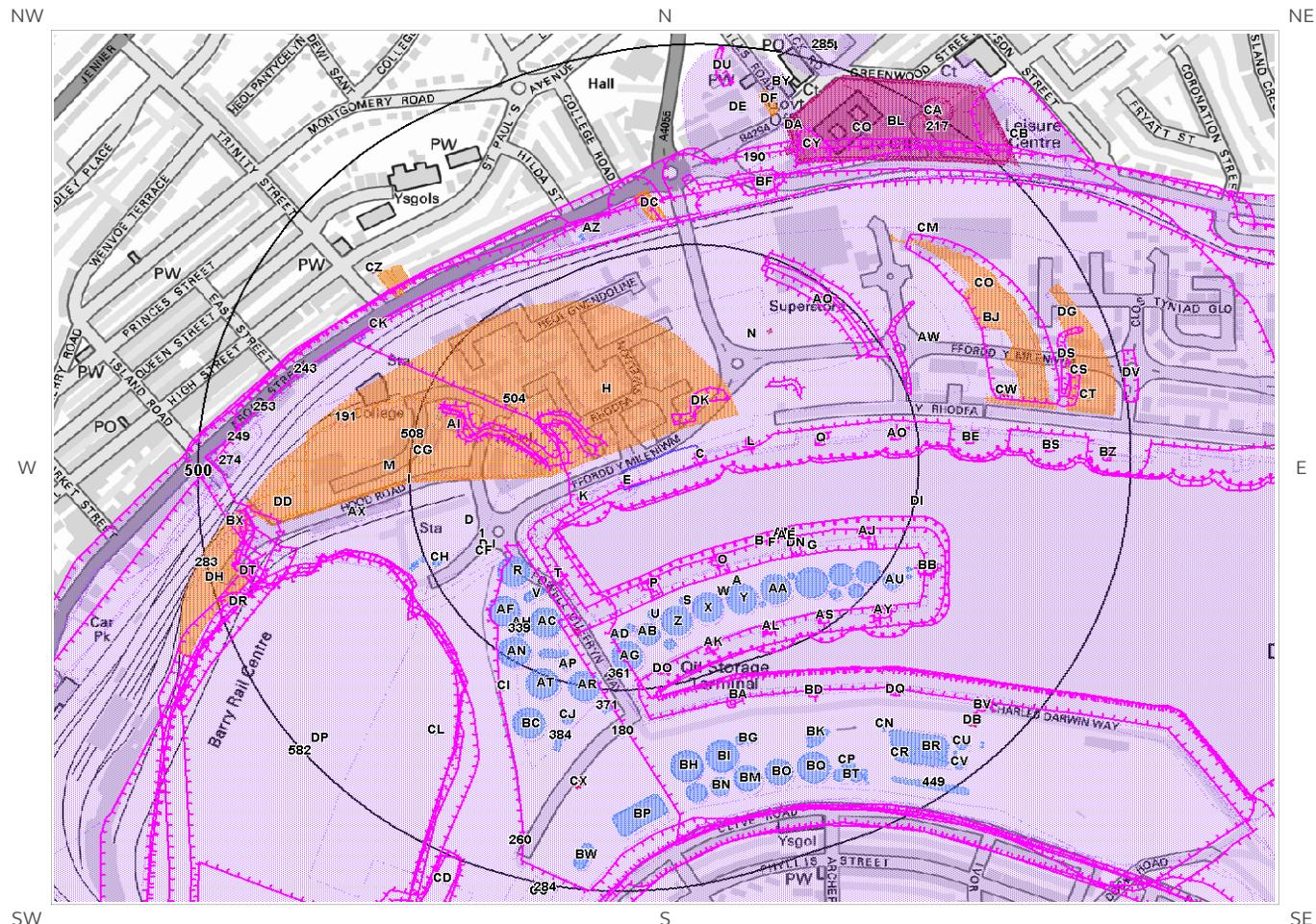
## Note: Maps

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



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



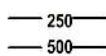
Site Outline



Industrial Land Use



Potentially Infilled Land



Search Buffers (m)

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



Energy Features



Petrol Stations



Tanks

Historical military sites



Garages

# 1. Historical Industrial Sites

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

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

Records of sites with a potentially contaminative past land use within 500m of the search boundary: 299

ID	Distance [m]	Direction	Use	Date
1	0	On Site	Railway Sidings	1947
2A	0	On Site	Railway Sidings	1973
3A	0	On Site	Railway Sidings	1982
4B	0	On Site	Docks	1938
5B	0	On Site	Docks	1936
6AE	0	On Site	Docks	1898
7DJ	0	On Site	Docks	1947
8C	0	On Site	Coal Hoists	1936
9C	0	On Site	Coal Tips	1915
10C	0	On Site	Coal Hoists	1938
11F	0	On Site	Railway Sidings	1915
12D	0	On Site	Railway Sidings	1936
13D	0	On Site	Railway Sidings	1938
14E	0	On Site	Coal Hoists	1936
15E	0	On Site	Coal Hoists	1938
16E	0	On Site	Coal Tips	1915
17AM	0	On Site	Railway Sidings	1898
18F	0	On Site	Docks	1915
19D	0	On Site	Railway Sidings	1921
20DI	0	On Site	Dock	1921
21G	0	On Site	Docks	1991
22G	0	On Site	Docks	1973
23CG	0	On Site	Locomotive Repairing Works	1898
24AH	2	SW	Railway Sidings	1991
25DK	30	N	Unspecified Pit	1973
26H	34	NW	Unspecified Depot	1982
27H	34	NW	Unspecified Depot	1991
28H	34	NW	Unspecified Depot	1973
29I	35	W	Railway Sidings	1915
30I	35	W	Locomotive Repairing Works	1915
31DL	38	NW	Unspecified Ground Workings	1921
32J	40	NW	Unspecified Ground Workings	1991

33J	40	NW	Unspecified Ground Workings	1947
34J	40	NW	Unspecified Ground Workings	1973
35J	40	NW	Unspecified Ground Workings	1982
36K	45	SW	Coal Hoists	1936
37K	47	W	Coal Hoists	1938
38K	47	W	Coal Tips	1915
39L	50	E	Coal Hoists	1936
40L	50	E	Coal Tips	1915
41L	50	E	Coal Hoists	1938
42M	62	W	Locomotive Repairing Works	1921
43M	64	W	Unspecified Works	1947
44N	69	N	Metal Yard	1982
45N	69	N	Metal Yard	1991
46N	69	N	Metal Yard	1973
47CE	88	W	Unspecified Ground Workings	1921
48P	113	S	Coal Tips	1915
49O	113	S	Coal Tips	1915
50DM	114	NE	Unspecified Ground Workings	1921
51O	115	S	Coal Tips	1921
52P	119	S	Coal Tips	1921
53T	126	SW	Coal Tips	1921
54Q	130	E	Coal Tips	1921
55DN	136	SE	Coal Tips	1915
56BK	138	S	Docks	1982
57Q	138	E	Coal Tips	1915
58Q	138	E	Coal Hoists	1938
59Q	138	E	Coal Hoists	1936
60R	147	SW	Unspecified Tank	1982
61R	147	SW	Unspecified Tank	1991
62R	147	SW	Unspecified Tank	1973
63S	154	S	Unspecified Tank	1982
64S	154	S	Unspecified Tank	1991
65S	154	S	Unspecified Tank	1973
66T	156	SW	Unspecified Tank	1991
67U	157	S	Unspecified Tank	1982
68U	157	S	Unspecified Tank	1973
69U	157	S	Unspecified Tank	1991
70V	157	SW	Unspecified Tanks	1973
71V	157	SW	Unspecified Tanks	1982
72W	159	S	Unspecified Tank	1982
73W	159	S	Unspecified Tank	1973
74X	159	S	Unspecified Tank	1982

75X	159	S	Unspecified Tank	1973
76Y	161	S	Unspecified Tank	1982
77Y	161	S	Unspecified Tank	1973
78Z	162	S	Unspecified Tank	1982
79Z	162	S	Unspecified Tank	1973
80AA	165	SE	Unspecified Tank	1982
81AA	165	SE	Unspecified Tank	1973
82AA	165	SE	Unspecified Tank	1973
83AB	169	S	Unspecified Tank	1982
84AB	169	S	Unspecified Tank	1982
85AB	169	S	Unspecified Tank	1973
86V	170	SW	Unspecified Tank	1991
87AC	174	SW	Unspecified Tank	1982
88AC	174	SW	Unspecified Tank	1973
89AC	174	SW	Unspecified Tank	1991
90AD	179	S	Unspecified Tank	1982
91AD	179	S	Unspecified Tank	1973
92AD	179	S	Unspecified Tank	1991
93AE	181	SE	Unspecified Tank	1982
94AE	181	SE	Unspecified Tank	1973
95AE	181	SE	Unspecified Tank	1991
96AF	191	SW	Unspecified Tank	1982
97AF	191	SW	Unspecified Tank	1991
98AF	191	SW	Unspecified Tank	1973
99AG	194	S	Unspecified Tank	1982
100AG	194	S	Unspecified Tank	1973
101AH	196	S	Railway Buildings	1921
102AB	198	S	Unspecified Tank	1973
103AB	198	S	Unspecified Tank	1991
104AB	198	S	Unspecified Tank	1982
105AB	198	S	Unspecified Tank	1973
106AI	201	W	Chimney	1947
107AE	201	SE	Unspecified Tank	1982
108AE	201	SE	Unspecified Tank	1973
109AE	201	SE	Unspecified Tank	1991
110AI	201	W	Pumping House	1991
111AJ	203	SE	Coal Tips	1921
112AJ	206	SE	Coal Tips	1915
113AC	212	SW	Unspecified Tank	1982
114AC	212	SW	Unspecified Tank	1973
115AC	212	SW	Unspecified Tank	1991
116AK	213	S	Coal Tips	1915
117AL	216	S	Coal Tips	1915
118AH	217	S	Unspecified Tanks	1982
119AH	217	S	Unspecified Tanks	1973
120AH	217	S	Unspecified Tanks	1991

121AO	218	E	Coal Tips	1921
122AK	220	S	Coal Tips	1921
123AQ	220	NE	Cuttings	1947
124AL	220	S	Coal Tips	1921
125AE	222	SE	Unspecified Tank	1982
126AE	222	SE	Unspecified Tank	1973
127AE	222	SE	Unspecified Tank	1991
128AM	224	SE	Unspecified Tank	1982
129AM	224	SE	Unspecified Tank	1973
130AM	224	SE	Unspecified Tank	1973
131AM	224	SE	Unspecified Tank	1991
132AN	224	SW	Unspecified Tank	1982
133AN	224	SW	Unspecified Tank	1973
134AN	224	SW	Unspecified Tank	1991
135AO	226	E	Coal Hoists	1936
136AO	226	E	Coal Hoists	1938
137AO	226	E	Coal Tips	1915
138AP	227	S	Unspecified Tank	1982
139AP	227	S	Unspecified Tank	1973
140DO	228	S	Coal Tips	1921
141AQ	231	NE	Cuttings	1982
142AQ	231	NE	Cuttings	1991
143AQ	231	NE	Cuttings	1973
144AS	232	SE	Coal Tips	1915
145AR	234	S	Unspecified Tank	1982
146AR	234	S	Unspecified Tank	1991
147AR	234	S	Unspecified Tank	1973
148F	235	SE	Unspecified Tank	1982
149F	235	SE	Unspecified Tank	1991
150F	235	SE	Unspecified Tank	1973
151AS	236	SE	Coal Tips	1921
152AT	244	S	Unspecified Tank	1982
153AT	244	S	Unspecified Tank	1991
154AT	244	S	Unspecified Tank	1973
155AV	251	E	Unspecified Ground Workings	1921
156AU	257	SE	Unspecified Tank	1982
157AU	257	SE	Unspecified Tank	1973
158AX	263	W	Goods Shed	1915
159AV	266	E	Unspecified Works	1982
160AW	266	E	Unspecified Works	1991
161AW	266	E	Unspecified Works	1973
162AX	268	W	Goods Shed	1921
163AY	269	SE	Coal Tips	1915
164AY	273	SE	Coal Tips	1921
165AZ	278	N	Unspecified Depot	1982

166AZ	278	N	Unspecified Depot	1973
167AZ	278	N	Unspecified Depot	1991
168BB	280	SE	Coal Tips	1915
169AZ	281	N	Unspecified Depot	1947
170CJ	285	S	Unspecified Tank	1991
171BA	286	S	Coal Tips	1915
172BA	286	S	Coal Hoists	1938
173BA	286	S	Coal Hoists	1936
174BA	290	S	Coal Tips	1921
175BB	290	SE	Coal Tips	1921
176BC	298	S	Unspecified Tank	1991
177BC	298	S	Unspecified Tank	1973
178BC	298	S	Unspecified Tank	1973
179BC	298	S	Unspecified Tank	1982
180	300	S	Railway Building	1921
181BE	307	E	Coal Tips	1921
182BD	309	SE	Coal Tips	1915
183BD	309	SE	Coal Hoists	1936
184BD	309	SE	Coal Hoists	1938
185BE	312	E	Bricks Works	1936
186BE	312	E	Coal Tips	1915
187BE	312	E	Coal Hoists	1938
188BF	322	N	Unspecified Heap	1947
189BF	322	N	Unspecified Heap	1973
190	323	N	Unspecified Depot	1991
191	327	W	Lime Kilns	1878
192BJ	333	E	Unspecified Works	1947
193CK	333	NW	Railway Building	1898
194BG	337	S	Unspecified Tanks	1991
195BG	337	S	Unspecified Tanks	1973
196BG	337	S	Unspecified Tanks	1982
197BH	338	S	Unspecified Tank	1973
198BH	338	S	Unspecified Tank	1991
199BH	338	S	Unspecified Tank	1982
200BI	338	S	Unspecified Tank	1991
201BI	338	S	Unspecified Tank	1973
202BI	338	S	Unspecified Tank	1973
203BI	338	S	Unspecified Tank	1982
204DE	341	N	Brewery	1898
205BJ	347	E	Unspecified Ground Workings	1982
206BJ	347	E	Unspecified Ground Workings	1991
207BJ	347	E	Unspecified Ground Workings	1973
208BJ	357	NE	Unspecified Works	1982
209BJ	357	NE	Unspecified Works	1991

210BJ	357	NE	Unspecified Works	1973
211BK	357	S	Unspecified Tank	1982
212DQ	358	SE	Coal Tips	1915
213BK	362	S	Unspecified Tank	1973
214CY	370	N	Unspecified Quarry	1878
215BL	372	N	Gas Works	1921
216BL	372	N	Railway Sidings	1921
217	375	N	Railway Sidings	1915
218BL	376	N	Unspecified Works	1947
219BM	376	S	Unspecified Tank	1991
220BM	376	S	Unspecified Tank	1973
221BM	376	S	Unspecified Tank	1982
222BN	378	S	Unspecified Tank	1973
223BN	378	S	Unspecified Tank	1982
224BL	378	N	Gas Works	1915
225BL	378	N	Unspecified Commercial/Industrial	1936
226BL	378	N	Railway Sidings	1938
227BL	378	N	Unspecified Commercial/Industrial	1938
228BL	378	N	Railway Sidings	1898
229BL	378	N	Gas Works	1898
230BL	378	N	Railway Sidings	1936
231BN	379	S	Unspecified Tank	1991
232BN	379	S	Unspecified Tank	1973
233BN	379	S	Unspecified Tank	1982
234BO	381	S	Unspecified Tank	1991
235BO	381	S	Unspecified Tank	1973
236BO	381	S	Unspecified Tank	1982
237BP	384	S	Unspecified Tanks	1991
238BP	384	S	Unspecified Tanks	1973
239BP	384	S	Unspecified Tanks	1982
240BQ	386	S	Unspecified Tank	1991
241BQ	386	S	Unspecified Tank	1973
242BQ	386	S	Unspecified Tank	1982
243	387	W	Railway Building	1898
244DR	392	W	Unspecified Ground Workings	1947
245BS	399	E	Coal Tips	1921
246BR	402	SE	Unspecified Tanks	1991
247BR	402	SE	Unspecified Tanks	1973
248BR	402	SE	Unspecified Tanks	1982
249	404	W	Railway Buildings	1921
250BS	404	E	Coal Hoists	1938
251BS	404	E	Coal Hoists	1936
252BS	404	E	Coal Tips	1915
253	405	W	Railway Building	1898

254BT	417	S	Unspecified Tanks	1973
255BT	417	S	Unspecified Tanks	1991
256BT	417	S	Unspecified Tanks	1982
257DS	427	E	Unspecified Ground Workings	1921
258BU	433	W	Unspecified Ground Workings	1936
259BU	433	W	Unspecified Ground Workings	1938
260	441	S	Railway Buildings	1921
261BV	441	SE	Coal Tips	1921
262DT	441	W	Unspecified Ground Workings	1921
263BY	444	N	Smithy	1915
264BV	445	SE	Coal Tips	1915
265BV	445	SE	Coal Hoists	1938
266BV	445	SE	Coal Hoists	1936
267BW	446	S	Unspecified Tanks	1973
268BW	446	S	Unspecified Tanks	1991
269BW	446	S	Unspecified Tanks	1982
270DG	446	NE	Unspecified Works	1947
271DU	449	N	Unspecified Ground Workings	1915
272BX	450	W	Railway Building	1898
273BX	450	W	Railway Buildings	1915
274	452	W	Railway Building	1898
275BX	455	W	Railway Building	1921
276BY	455	N	Smithy	1921
277BX	461	W	Railway Building	1938
278BX	461	W	Railway Building	1936
279BZ	466	E	Coal Tips	1921
280BZ	472	E	Coal Hoists	1936
281BZ	472	E	Coal Hoists	1938
282BZ	472	E	Coal Tips	1915
283	472	W	Railway Buildings	1921
284	479	S	Unspecified Warehouse	1973
285	482	N	Barracks	1915
286CA	482	NE	Gasometer	1921
287CA	485	NE	Unspecified Tank	1947
288CB	487	NE	Railway Sidings	1938
289CB	487	NE	Railway Sidings	1936
290CB	487	NE	Railway Sidings	1898
291CA	488	NE	Gasometer	1915
292CA	488	NE	Unspecified Tank	1938
293CA	489	NE	Unspecified Tank	1936
294	490	N	Barracks	1921
295CC	493	S	Unspecified Warehouse	1991

296CC	493	S	Unspecified Warehouse	1982
297CD	495	SW	Unspecified Ground Workings	1915
298DV	498	E	Unspecified Pit	1947
299CD	499	SW	Unspecified Heap	1982

## 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:

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ID	Distance (m)	Direction	Use	Date
300R	147	SW	Unspecified Tank	1971
301R	148	SW	Unspecified Tank	1990
302S	149	S	Unspecified Tank	1990
303S	149	S	Unspecified Tank	1971
304CE	153	W	Unspecified Tank	1972
305U	153	S	Unspecified Tank	1990
306U	153	S	Unspecified Tank	1971
307CE	153	W	Unspecified Tank	1990
308S	154	S	Unspecified Tank	1971
309Y	156	S	Tanks	1971
310Y	156	S	Unspecified Tank	1971
311V	156	SW	Tanks	1971
312Z	156	S	Unspecified Tank	1971
313V	157	SW	Tanks	1990
314AA	159	SE	Unspecified Tank	1971
315CE	160	W	Unspecified Tank	1954
316CE	161	W	Unspecified Tank	1954
317AB	167	S	Unspecified Tank	1971
318AB	169	S	Unspecified Tank	1971
319D	169	SE	Unspecified Tank	1990
320D	170	SE	Unspecified Tank	1971
321AC	171	SW	Unspecified Tank	1971
322AC	172	SW	Unspecified Tank	1990
323AE	175	SE	Unspecified Tank	1990
324AD	176	S	Unspecified Tank	1971
325AD	176	S	Unspecified Tank	1990
326AE	176	SE	Unspecified Tank	1971
327CF	184	SW	Unspecified Tank	1954
328CF	184	SW	Unspecified Tank	1971
329CF	184	SW	Unspecified Tank	1954

330Y	185	S	Unspecified Tank	1971
331AG	189	S	Unspecified Tank	1971
332AF	189	SW	Unspecified Tank	1971
333AF	190	SW	Unspecified Tank	1990
334AB	193	S	Unspecified Tank	1990
335AB	194	S	Unspecified Tank	1971
336AE	198	SE	Unspecified Tank	1990
337AE	199	SE	Unspecified Tank	1971
338AC	210	SW	Unspecified Tank	1971
339	211	SW	Unspecified Tank	1990
340AP	211	S	Tanks	1971
341AP	215	S	Tanks	1990
342B	217	SE	Unspecified Tank	1990
343B	217	SE	Unspecified Tank	1971
344CG	220	W	Unspecified Tank	1971
345CG	220	W	Unspecified Tank	1999
346AU	221	SE	Unspecified Tank	1990
347CG	221	W	Unspecified Tank	1990
348AU	222	SE	Unspecified Tank	1971
349AN	222	SW	Unspecified Tank	1971
350AI	223	W	Unspecified Tank	1972
351AN	223	SW	Unspecified Tank	1990
352AI	224	W	Unspecified Tank	1990
353AP	225	S	Unspecified Tank	1971
354AI	228	W	Unspecified Tank	1954
355AI	228	W	Unspecified Tank	1954
356B	230	SE	Unspecified Tank	1990
357B	230	SE	Unspecified Tank	1971
358AR	231	S	Unspecified Tank	1990
359AR	231	S	Unspecified Tank	1971
360CH	231	W	Tanks	1954
361	231	S	Unspecified Tank	1990
362CH	232	W	Tanks	1954
363CH	233	SW	Tanks	1936
364AT	241	S	Unspecified Tank	1971
365AT	242	S	Unspecified Tank	1990
366CH	251	W	Tanks	1936
367AM	254	SE	Unspecified Tank	1971
368CH	259	W	Unspecified Tank	1954
369CH	260	W	Unspecified Tank	1954
370CH	260	W	Unspecified Tank	1936
371	269	S	Tanks	1900
372BB	271	SE	Tanks	1990
373BB	272	SE	Tanks	1971
374BB	276	SE	Tanks	1990
375BB	277	SE	Tanks	1971

376AZ	283	N	Tanks	1972
377AZ	283	N	Tanks	1990
378AZ	284	N	Tanks	1999
379CI	285	SW	Unspecified Tank	1971
380CI	285	SW	Unspecified Tank	1990
381CJ	286	S	Tanks	1990
382BC	293	S	Unspecified Tank	1971
383BC	294	S	Unspecified Tank	1990
384	307	S	Tanks	1990
385BI	331	S	Unspecified Tank	1990
386BI	331	S	Unspecified Tank	1971
387BH	333	S	Unspecified Tank	1990
388BH	333	S	Unspecified Tank	1971
389BI	333	S	Unspecified Tank	1999
390BH	334	S	Unspecified Tank	1999
391BG	334	S	Tanks	1971
392BG	335	S	Tanks	1990
393BG	337	S	Tanks	1971
394BG	338	S	Unspecified Tank	1971
395BI	339	S	Unspecified Tank	1990
396CK	345	NW	Unspecified Tank	1936
397BK	356	S	Tanks	1971
398BK	359	S	Tanks	1990
399BK	370	S	Tanks	1990
400BM	371	S	Unspecified Tank	1971
401BM	372	S	Unspecified Tank	1990
402BN	375	S	Unspecified Tank	1971
403BN	375	S	Unspecified Tank	1990
404CL	375	SW	Unspecified Tank	1971
405BN	375	S	Unspecified Tank	1971
406CL	375	SW	Unspecified Tank	1990
407BN	375	S	Unspecified Tank	1999
408BL	376	N	Gas Works	1900
409BL	377	N	Gas Works	1954
410BO	377	S	Unspecified Tank	1971
411BO	378	S	Unspecified Tank	1990
412CM	380	NE	Unspecified Tank	1920
413CM	380	NE	Unspecified Tank	1936
414BP	381	S	Tanks	1990
415BP	381	S	Tanks	1971
416BP	381	S	Tanks	1999
417BQ	381	S	Unspecified Tank	1971
418BQ	382	S	Unspecified Tank	1990
419CM	385	NE	Unspecified Tank	1954
420CM	386	NE	Unspecified Tank	1954
421CM	386	NE	Unspecified Tank	1972

422CN	386	SE	Tanks	1990
423CN	387	SE	Tanks	1971
424CO	390	NE	Unspecified Tank	1954
425CO	390	NE	Unspecified Tank	1954
426CN	391	SE	Tanks	1971
427BR	398	SE	Tanks	1971
428BR	399	SE	Tanks	1990
429BT	403	SE	Tanks	1971
430CP	403	SE	Tanks	1990
431CP	413	S	Unspecified Tank	1971
432CP	413	S	Unspecified Tank	1990
433CP	413	SE	Tanks	1990
434CP	422	SE	Unspecified Tank	1990
435CP	422	SE	Unspecified Tank	1971
436CP	423	SE	Tanks	1971
437CR	425	SE	Unspecified Tank	1990
438BT	425	SE	Tanks	1990
439BT	428	SE	Tanks	1971
440CQ	432	NE	Tanks	1954
441CQ	432	NE	Unspecified Tank	1954
442CQ	437	NE	Unspecified Tank	1936
443CR	437	SE	Tanks	1990
444BW	443	S	Tanks	1999
445BW	443	S	Tanks	1990
446BW	443	S	Tanks	1971
447CS	448	E	Unspecified Tank	1996
448CS	448	E	Unspecified Tank	1984
449	449	SE	Tanks	1990
450CT	451	E	Unspecified Tank	1996
451CT	452	E	Unspecified Tank	1984
452BL	456	NE	Tanks	1936
453CU	456	SE	Unspecified Tank	1990
454CU	457	SE	Unspecified Tank	1971
455CU	463	SE	Unspecified Tank	1990
456CU	464	SE	Unspecified Tank	1971
457CQ	464	NE	Unspecified Tank	1936
458BL	466	NE	Unspecified Tank	1920
459BL	467	NE	Unspecified Tank	1954
460BW	467	S	Unspecified Tank	1971
461BL	467	NE	Unspecified Tank	1936
462BL	468	NE	Unspecified Tank	1954
463BW	468	S	Unspecified Tank	1990
464BW	468	S	Unspecified Tank	1996
465BL	469	NE	Unspecified Tank	1936
466BL	470	NE	Unspecified Tank	1954
467BL	471	NE	Unspecified Tank	1954