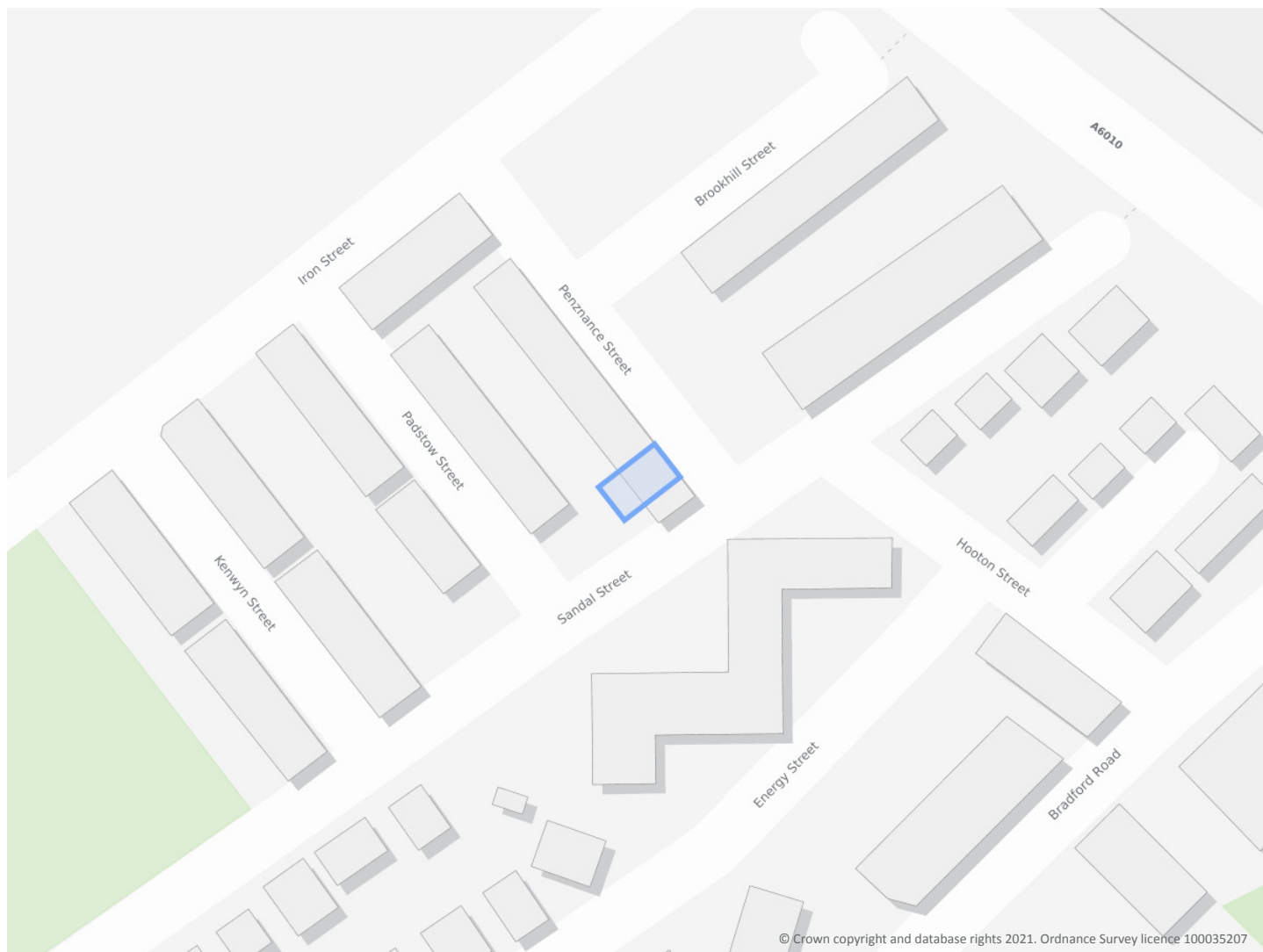


PENZANCE STREET, MANCHESTER, M40 7BD**Order Details**

Date: 20/09/2021
Your ref: A4353
Our Ref: GS-8205340
Client: Earth Environmental & Geotechnical Ltd

Site Details

Location: 386447 399321
Area: 0.01 ha
Authority: [Manchester City Council](#)

**Summary of findings**

p. 2

Aerial image

p. 8

OS MasterMap site plan

p.12

groundsure.com/insightuserguide

Contact us with any questions at:

info@groundsure.com

08444 159 000

Summary of findings

Page	Section	Past land use	On site	0-50m	50-250m	250-500m	500-2000m
13	1.1	Historical industrial land uses	0	0	63	137	-
21	1.2	Historical tanks	0	0	32	265	-
32	1.3	Historical energy features	0	0	13	36	-
34	1.4	Historical petrol stations	0	0	0	0	-
34	1.5	Historical garages	0	0	0	4	-
35	1.6	Historical military land	0	0	0	0	-
Page	Section	Past land use - un-grouped	On site	0-50m	50-250m	250-500m	500-2000m
36	2.1	Historical industrial land uses	0	0	96	200	-
47	2.2	Historical tanks	0	0	51	403	-
64	2.3	Historical energy features	0	0	23	75	-
67	2.4	Historical petrol stations	0	0	0	0	-
68	2.5	Historical garages	0	0	0	6	-
Page	Section	Waste and landfill	On site	0-50m	50-250m	250-500m	500-2000m
69	3.1	Active or recent landfill	0	0	0	0	-
69	3.2	Historical landfill (BGS records)	0	0	0	0	-
70	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
70	3.4	Historical landfill (EA/NRW records)	0	0	1	2	-
71	3.5	Historical waste sites	0	0	2	12	-
73	3.6	Licensed waste sites	0	0	0	0	-
73	3.7	Waste exemptions	0	0	3	25	-
Page	Section	Current industrial land use	On site	0-50m	50-250m	250-500m	500-2000m
76	4.1	Recent industrial land uses	0	1	9	-	-
77	4.2	Current or recent petrol stations	0	0	0	0	-
77	4.3	Electricity cables	0	0	0	0	-
78	4.4	Gas pipelines	0	0	0	0	-
78	4.5	Sites determined as Contaminated Land	0	0	0	0	-



78	4.6	<u>Control of Major Accident Hazards (COMAH)</u>	0	0	2	0	-
78	4.7	Regulated explosive sites	0	0	0	0	-
79	4.8	<u>Hazardous substance storage/usage</u>	0	0	1	3	-
79	4.9	<u>Historical licensed industrial activities (IPC)</u>	0	0	0	2	-
80	4.10	<u>Licensed industrial activities (Part A(1))</u>	0	0	0	2	-
81	4.11	<u>Licensed pollutant release (Part A(2)/B)</u>	0	0	0	7	-
82	4.12	Radioactive Substance Authorisations	0	0	0	0	-
82	4.13	<u>Licensed Discharges to controlled waters</u>	0	0	1	8	-
83	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
84	4.15	Pollutant release to public sewer	0	0	0	0	-
84	4.16	<u>List 1 Dangerous Substances</u>	0	0	0	1	-
84	4.17	<u>List 2 Dangerous Substances</u>	0	0	0	1	-
84	4.18	<u>Pollution Incidents (EA/NRW)</u>	0	0	1	5	-
85	4.19	Pollution inventory substances	0	0	0	0	-
86	4.20	<u>Pollution inventory waste transfers</u>	0	0	0	1	-
87	4.21	Pollution inventory radioactive waste	0	0	0	0	-
Page	Section	Hydrogeology	On site	0-50m	50-250m	250-500m	500-2000m
88	5.1	<u>Superficial aquifer</u>	Identified (within 500m)				
89	5.2	<u>Bedrock aquifer</u>	Identified (within 500m)				
90	5.3	<u>Groundwater vulnerability</u>	Identified (within 50m)				
91	5.4	Groundwater vulnerability- soluble rock risk	None (within 0m)				
91	5.5	Groundwater vulnerability- local information	None (within 0m)				
92	5.6	<u>Groundwater abstractions</u>	0	0	0	2	23
99	5.7	<u>Surface water abstractions</u>	0	0	0	0	6
100	5.8	Potable abstractions	0	0	0	0	0
101	5.9	Source Protection Zones	0	0	0	0	-
101	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-
Page	Section	Hydrology	On site	0-50m	50-250m	250-500m	500-2000m
102	6.1	Water Network (OS MasterMap)	0	0	0	-	-



102	6.2	<u>Surface water features</u>	0	0	1	-	-
103	6.3	<u>WFD Surface water body catchments</u>	1	-	-	-	-
103	6.4	<u>WFD Surface water bodies</u>	0	0	1	-	-
104	6.5	<u>WFD Groundwater bodies</u>	1	-	-	-	-
Page	Section	River and coastal flooding	On site	0-50m	50-250m	250-500m	500-2000m
105	7.1	Risk of Flooding from Rivers and Sea (RoFRaS)	None (within 50m)				
105	7.2	Historical Flood Events	0	0	0	-	-
105	7.3	Flood Defences	0	0	0	-	-
105	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
106	7.5	Flood Storage Areas	0	0	0	-	-
107	7.6	Flood Zone 2	None (within 50m)				
107	7.7	Flood Zone 3	None (within 50m)				
Page	Section	Surface water flooding					
108	8.1	Surface water flooding	Negligible (within 50m)				
Page	Section	Groundwater flooding					
109	9.1	<u>Groundwater flooding</u>	Low (within 50m)				
Page	Section	Environmental designations	On site	0-50m	50-250m	250-500m	500-2000m
110	10.1	Sites of Special Scientific Interest (SSSI)	0	0	0	0	0
111	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
111	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
111	10.4	Special Protection Areas (SPA)	0	0	0	0	0
111	10.5	National Nature Reserves (NNR)	0	0	0	0	0
112	10.6	<u>Local Nature Reserves (LNR)</u>	0	0	0	0	1
112	10.7	Designated Ancient Woodland	0	0	0	0	0
112	10.8	Biosphere Reserves	0	0	0	0	0
112	10.9	Forest Parks	0	0	0	0	0
113	10.10	Marine Conservation Zones	0	0	0	0	0
113	10.11	<u>Green Belt</u>	0	0	0	0	1
113	10.12	Proposed Ramsar sites	0	0	0	0	0



113	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
114	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
114	10.15	Nitrate Sensitive Areas	0	0	0	0	0
114	10.16	<u>Nitrate Vulnerable Zones</u>	0	0	0	0	1
115	10.17	<u>SSSI Impact Risk Zones</u>	1	-	-	-	-
116	10.18	SSSI Units	0	0	0	0	0
Page	Section	Visual and cultural designations	On site	0-50m	50-250m	250-500m	500-2000m
117	11.1	World Heritage Sites	0	0	0	-	-
117	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
117	11.3	National Parks	0	0	0	-	-
117	11.4	Listed Buildings	0	0	0	-	-
118	11.5	Conservation Areas	0	0	0	-	-
118	11.6	Scheduled Ancient Monuments	0	0	0	-	-
118	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	Agricultural designations	On site	0-50m	50-250m	250-500m	500-2000m
119	12.1	<u>Agricultural Land Classification</u>	Urban (within 250m)				
120	12.2	Open Access Land	0	0	0	-	-
120	12.3	<u>Tree Felling Licences</u>	0	0	1	-	-
120	12.4	Environmental Stewardship Schemes	0	0	0	-	-
120	12.5	Countryside Stewardship Schemes	0	0	0	-	-
Page	Section	Habitat designations	On site	0-50m	50-250m	250-500m	500-2000m
121	13.1	Priority Habitat Inventory	0	0	0	-	-
121	13.2	Habitat Networks	0	0	0	-	-
122	13.3	<u>Open Mosaic Habitat</u>	0	0	2	-	-
122	13.4	Limestone Pavement Orders	0	0	0	-	-
Page	Section	Geology 1:10,000 scale	On site	0-50m	50-250m	250-500m	500-2000m
123	14.1	<u>10k Availability</u>	Identified (within 500m)				
124	14.2	<u>Artificial and made ground (10k)</u>	0	0	2	4	-
126	14.3	<u>Superficial geology (10k)</u>	1	0	0	2	-



127	14.4	Landslip (10k)	0	0	0	0	-
<u>128</u>	<u>14.5</u>	<u>Bedrock geology (10k)</u>	1	0	0	2	-
<u>129</u>	<u>14.6</u>	<u>Bedrock faults and other linear features (10k)</u>	1	0	3	3	-
Page	Section	Geology 1:50,000 scale	On site	0-50m	50-250m	250-500m	500-2000m
<u>130</u>	<u>15.1</u>	<u>50k Availability</u>	Identified (within 500m)				
<u>131</u>	<u>15.2</u>	<u>Artificial and made ground (50k)</u>	0	0	1	0	-
132	15.3	Artificial ground permeability (50k)	0	0	-	-	-
<u>133</u>	<u>15.4</u>	<u>Superficial geology (50k)</u>	1	0	0	1	-
<u>134</u>	<u>15.5</u>	<u>Superficial permeability (50k)</u>	Identified (within 50m)				
134	15.6	Landslip (50k)	0	0	0	0	-
134	15.7	Landslip permeability (50k)	None (within 50m)				
<u>135</u>	<u>15.8</u>	<u>Bedrock geology (50k)</u>	1	0	0	2	-
<u>136</u>	<u>15.9</u>	<u>Bedrock permeability (50k)</u>	Identified (within 50m)				
<u>136</u>	<u>15.10</u>	<u>Bedrock faults and other linear features (50k)</u>	0	0	3	3	-
Page	Section	Boreholes	On site	0-50m	50-250m	250-500m	500-2000m
<u>137</u>	<u>16.1</u>	<u>BGS Boreholes</u>	0	0	58	-	-
Page	Section	Natural ground subsidence					
<u>141</u>	<u>17.1</u>	<u>Shrink swell clays</u>	Very low (within 50m)				
<u>142</u>	<u>17.2</u>	<u>Running sands</u>	Very low (within 50m)				
<u>143</u>	<u>17.3</u>	<u>Compressible deposits</u>	Negligible (within 50m)				
<u>144</u>	<u>17.4</u>	<u>Collapsible deposits</u>	Very low (within 50m)				
<u>145</u>	<u>17.5</u>	<u>Landslides</u>	Very low (within 50m)				
<u>146</u>	<u>17.6</u>	<u>Ground dissolution of soluble rocks</u>	Negligible (within 50m)				
Page	Section	Mining, ground workings and natural cavities	On site	0-50m	50-250m	250-500m	500-2000m
148	18.1	Natural cavities	0	0	0	0	-
<u>149</u>	<u>18.2</u>	<u>BritPits</u>	0	0	1	1	-
<u>149</u>	<u>18.3</u>	<u>Surface ground workings</u>	0	0	21	-	-
<u>150</u>	<u>18.4</u>	<u>Underground workings</u>	0	0	0	0	3
151	18.5	Historical Mineral Planning Areas	0	0	0	0	-



<u>151</u>	<u>18.6</u>	<u>Non-coal mining</u>	0	0	0	0	1
151	18.7	Mining cavities	0	0	0	0	0
<u>151</u>	<u>18.8</u>	<u>JPB mining areas</u>	Identified (within 0m)				
<u>152</u>	<u>18.9</u>	<u>Coal mining</u>	Identified (within 0m)				
152	18.10	Brine areas	None (within 0m)				
152	18.11	Gypsum areas	None (within 0m)				
153	18.12	Tin mining	None (within 0m)				
153	18.13	Clay mining	None (within 0m)				
Page	Section	Radon					
<u>154</u>	<u>19.1</u>	<u>Radon</u>	Less than 1% (within 0m)				
Page	Section	Soil chemistry	On site	0-50m	50-250m	250-500m	500-2000m
<u>155</u>	<u>20.1</u>	<u>BGS Estimated Background Soil Chemistry</u>	1	1	-	-	-
<u>155</u>	<u>20.2</u>	<u>BGS Estimated Urban Soil Chemistry</u>	1	5	-	-	-
156	20.3	BGS Measured Urban Soil Chemistry	0	0	-	-	-
Page	Section	Railway infrastructure and projects	On site	0-50m	50-250m	250-500m	500-2000m
157	21.1	Underground railways (London)	0	0	0	-	-
157	21.2	Underground railways (Non-London)	0	0	0	-	-
158	21.3	Railway tunnels	0	0	0	-	-
<u>158</u>	<u>21.4</u>	<u>Historical railway and tunnel features</u>	0	0	33	-	-
159	21.5	Royal Mail tunnels	0	0	0	-	-
160	21.6	Historical railways	0	0	0	-	-
<u>160</u>	<u>21.7</u>	<u>Railways</u>	0	0	12	-	-
160	21.8	Crossrail 1	0	0	0	0	-
161	21.9	Crossrail 2	0	0	0	0	-
161	21.10	HS2	0	0	0	0	-



Recent aerial photograph



Capture Date: 22/04/2019

Site Area: 0.01ha



Recent site history - 2015 aerial photograph



Capture Date: 11/06/2015

Site Area: 0.01ha



Recent site history - 2009 aerial photograph



Capture Date: 02/06/2009

Site Area: 0.01ha



Recent site history - 2000 aerial photograph

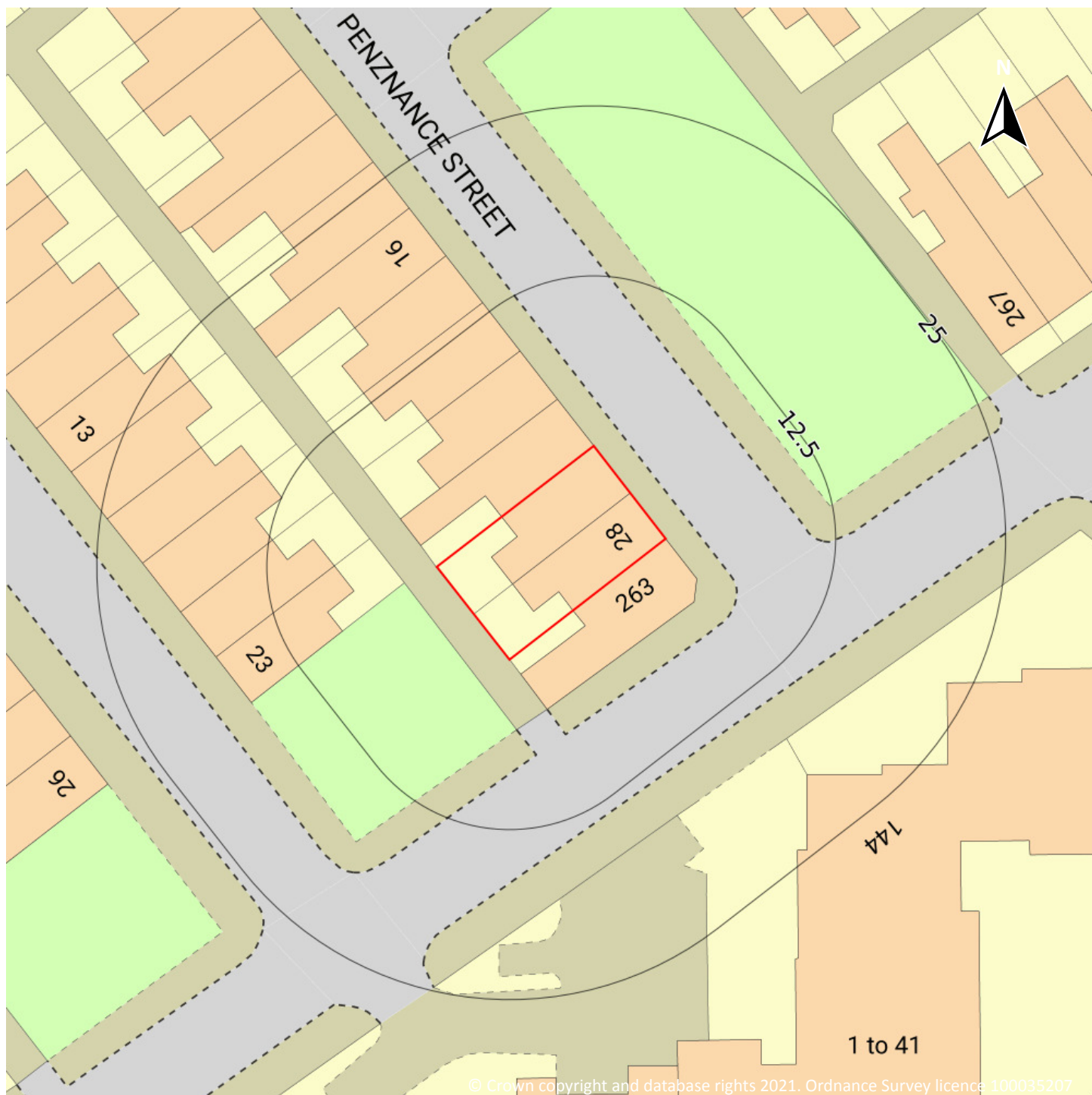


Capture Date: 19/06/2000

Site Area: 0.01ha



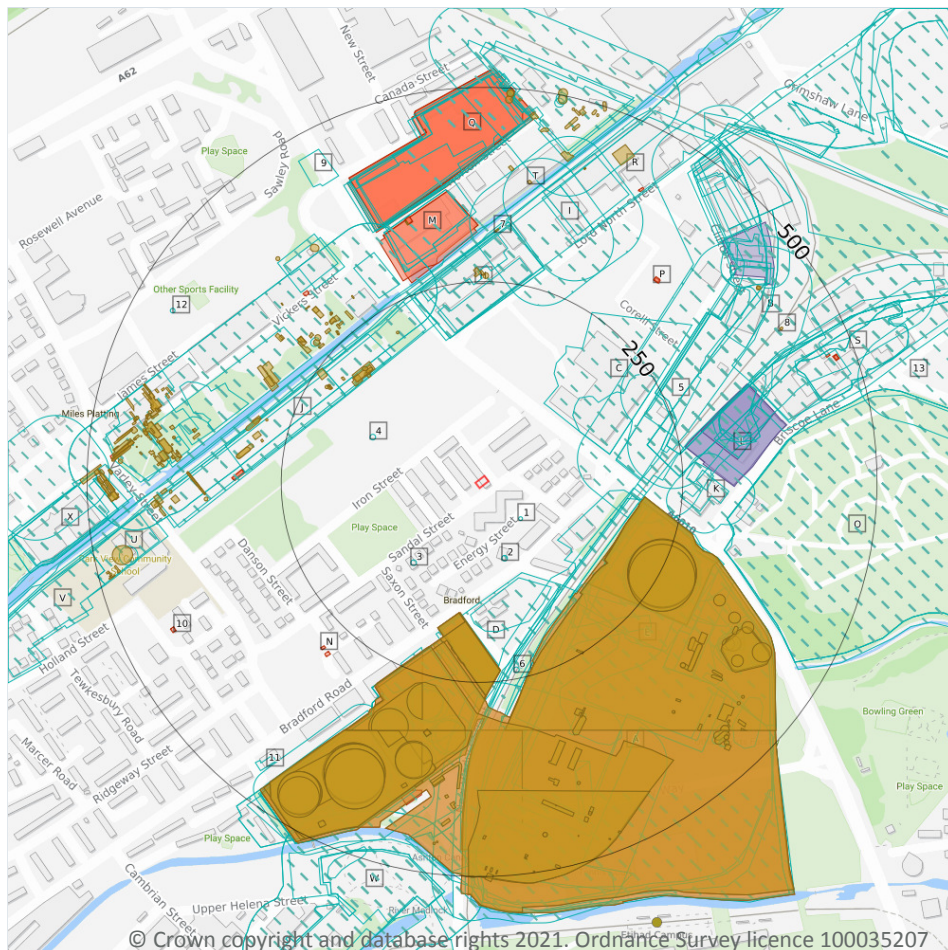
OS MasterMap site plan



Site Area: 0.01ha



1 Past land use



- Site Outline
- Search buffers in metres (m)
- Historical industrial land uses
- Historical tanks
- Historical energy features
- Historical garages

1.1 Historical industrial land uses

Records within 500m

200

Potentially contaminative land use features digitised from historical Ordnance Survey mapping at 1:10,000 and 1:10,560 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on **page 13**

ID	Location	Land use	Dates present	Group ID
1	61m SE	Coal Pit	1851	808503



ID	Location	Land use	Dates present	Group ID
2	92m S	Coal Pits	1851	802167
A	117m SE	Railway Sidings	1933 - 1938	898707
B	117m E	Coal Yard	1891	932750
C	121m NE	Brick Works	1891	818772
D	122m SE	Brick Works	1891	818774
3	125m SW	Coal Pits	1851	802168
D	126m SE	Unspecified Pit	1906	840536
C	134m NE	Unspecified Heaps	1891	831348
4	141m NW	Coal Pit	1851	808502
A	148m SE	Railway Sidings	1978	974171
A	157m SE	Railway Sidings	1923	973770
A	157m SE	Railway Sidings	1956 - 1968	982092
A	159m SE	Railway Sidings	1906 - 1921	881262
A	162m SE	Railway Sidings	1891	925215
D	164m S	Unspecified Works	1968	830459
5	166m E	Coal Yard	1956 - 1968	918300
B	167m E	Railway Sidings	1891	978292
A	173m SE	Gas Works	1906 - 1923	932486
A	179m SE	Unspecified Commercial/Industrial	1968 - 1978	974281
E	179m SE	Refuse Heap	1891	829115
H	181m N	Chemical Works	1921 - 1923	849220
A	182m SE	Unspecified Commercial/Industrial	1933 - 1938	894722
A	182m SE	Unspecified Commercial/Industrial	1956	951490
H	183m N	Unspecified Works	1933 - 1938	934682
H	183m N	Unspecified Works	1891	927795
B	184m E	Coal Yard	1906	956455
F	184m SE	Gas Works	1985 - 1991	991680
H	187m N	Unspecified Mills	1968	808184



ID	Location	Land use	Dates present	Group ID
I	189m N	Unspecified Commercial/Industrial	1985	899281
J	191m NW	Unspecified Works	1985 - 1991	960938
B	192m E	Railway Sidings	1921 - 1923	875517
J	193m NW	Unspecified Mills	1891 - 1938	852486
J	194m NW	Canal Works	1968	827846
J	201m NW	Chemical Works	1891 - 1938	886492
J	205m NW	Unspecified Commercial/Industrial	1891 - 1921	845585
J	205m NW	Unspecified Commercial/Industrial	1933 - 1938	911970
F	206m SE	Gasometer	1923	905212
D	207m S	Unspecified Commercial/Industrial	1851	881841
F	208m SE	Gasometer	1921	848231
F	208m SE	Unspecified Tank	1933 - 1938	965896
B	209m E	Railway Sidings	1991	880705
B	209m E	Railway Sidings	1968	975528
B	209m E	Railway Sidings	1956 - 1978	2367782
F	211m SE	Unspecified Tank	1956 - 1978	914907
D	215m S	Coal Pit	1851	808504
D	216m S	Raising Works	1906	806704
D	216m S	Gas Stove Works	1921 - 1923	899437
D	216m S	Unspecified Commercial/Industrial	1933 - 1938	909305
D	216m S	Unspecified Commercial/Industrial	1891	917862
B	218m NE	Railway Sidings	1938	903657
F	218m SE	Gasometer	1991	887941
F	219m SE	Gasometer	1985	920187
B	226m E	Coal Yard	1921 - 1923	961633
I	229m N	Timber Yard	1921 - 1923	932938
K	230m E	Fire Station	1985 - 1991	981014
B	234m E	Railway Sidings	1933	973087



ID	Location	Land use	Dates present	Group ID
B	234m E	Railway Sidings	1906	990471
6	235m S	Coal Pit	1851	808495
H	236m N	Unspecified Works	1968	898141
J	237m NW	Disused Canal	1991	849130
J	240m NW	Disused Canal	1985	2367192
K	248m E	Fire Station	1978	988929
A	251m S	Gas Works	1891	874852
K	254m E	Railway Building	1923	820496
D	259m S	Unspecified Tank	1891	940326
D	263m S	Gasometer	1923	809781
D	263m S	Unspecified Tank	1906 - 1921	854180
J	265m NW	Unspecified Commercial/Industrial	1923	882897
J	266m NW	Unspecified Works	1978	830464
D	267m S	Unspecified Pit	1933 - 1938	988822
J	270m NW	Unspecified Tank	1933 - 1938	849674
I	273m N	Forge	1921	810901
M	282m N	Unspecified Works	1978	844931
M	282m N	Unspecified Works	1985 - 1991	897604
M	290m N	Steel Works	1851	810022
D	294m S	Unspecified Tank	1891	972082
L	296m E	Garage	1968	844166
L	298m E	Unspecified Pit	1923	963276
D	300m S	Unspecified Pit	1933 - 1938	883057
D	301m S	Gasometer	1923	809785
D	301m S	Unspecified Tank	1906 - 1921	850837
D	302m S	Unspecified Tank	1891	916313
L	305m E	Unspecified Pit	1933 - 1938	947050
L	305m E	Unspecified Pit	1921	988196



ID	Location	Land use	Dates present	Group ID
L	306m E	Unspecified Pit	1956	871090
D	309m S	Gasometer	1923	809783
D	309m S	Unspecified Tank	1906 - 1921	974232
G	309m E	Gas Work	1968 - 1978	945176
J	309m W	Size Works	1851	837943
O	311m E	Cemetery	1956 - 1978	926290
O	311m E	Cemetery	1985	944161
O	311m E	Cemetery	1991	951637
G	311m SE	Refuse Heap	1906	829125
O	311m E	Cemetery	1891 - 1938	882873
A	314m SE	Unspecified Tanks	1921 - 1923	981777
D	314m SW	Gas Works	1985 - 1991	895751
G	320m SE	Gasometer	1968 - 1978	944402
D	321m SW	Gas Work	1978	814479
G	322m SE	Gasometer	1968 - 1978	908225
I	323m N	Iron Works	1906	822794
J	323m NW	Unspecified Depot	1985 - 1991	964426
D	326m SW	Unspecified Works	1968	830458
D	326m SW	Unspecified Commercial/Industrial	1956	916012
J	331m NW	Unspecified Depot	1978	882826
I	332m N	Unspecified Works	1978	830465
D	336m S	Unspecified Tank	1891	927485
D	339m S	Gasometer	1923	809782
D	339m S	Unspecified Tank	1906 - 1921	909386
D	339m S	Unspecified Tank	1933 - 1938	927958
J	344m W	Tannery	1851	842300
Q	344m N	Unspecified Works	1991	930965
Q	345m NW	Iron Works	1923	910344



ID	Location	Land use	Dates present	Group ID
Q	345m NW	Iron Works	1921	921354
Q	345m NW	Iron Works	1933 - 1938	924546
M	345m NW	Iron Works	1906	940446
R	346m NE	Brick Works	1906	818770
B	347m NE	Railway Sidings	1985	985075
Q	348m NW	Iron Works	1956 - 1968	856928
Q	349m N	Unspecified Works	1985	861098
B	358m NE	Unspecified Works	1985 - 1991	887720
G	359m SE	Gasometer	1968 - 1978	884458
D	360m S	Gasometer	1985	979918
S	360m E	Unspecified Factory	1978	821380
G	361m SE	Unspecified Tanks	1956	815394
G	361m SE	Oil Tanks	1923	889887
S	362m E	Unspecified Works	1985 - 1991	877844
D	362m S	Gasometers	1991	983680
J	363m W	Unspecified Works	1978	830460
S	363m E	Brick Works	1906	897437
G	364m SE	Unspecified Pit	1906	840537
G	364m SE	Oil Tanks	1906 - 1921	857954
G	364m SE	Unspecified Tank	1933 - 1938	954554
D	365m SW	Gasometers	1978	916494
D	365m SW	Unspecified Tanks	1956 - 1968	922346
D	369m SW	Unspecified Tank	1906	918029
D	369m SW	Unspecified Tank	1933 - 1938	938620
D	369m SW	Gasometer	1921 - 1923	941154
G	374m SE	Unspecified Tanks	1923	815395
I	374m N	Coal Yard	1891 - 1906	914601
G	374m SE	Unspecified Tank	1933 - 1938	924790



ID	Location	Land use	Dates present	Group ID
G	374m SE	Oil Tanks	1906 - 1921	932969
J	384m W	Coal Pit	1851	808501
G	387m SE	Unspecified Tank	1933 - 1938	928492
G	387m SE	Oil Tanks	1906 - 1921	931133
D	392m SW	Brick Field	1851	817949
J	396m W	Chemical Works	1851	834549
B	400m NE	Unspecified Works	1968 - 1978	847445
G	401m SE	Unspecified Tank	1933 - 1938	847909
G	401m SE	Oil Tanks	1906 - 1921	899956
U	402m W	Unspecified Works	1968	830461
B	409m NE	Railway Building	1938	820495
V	414m W	Alum Works	1923	795045
I	419m N	Chemical Works	1921 - 1933	862438
S	421m E	Old Clay Pit	1921 - 1923	868807
S	422m E	Clay Pit	1906	827693
S	422m E	Unspecified Pit	1933 - 1938	853771
D	423m SW	Gasometer	1985	850148
G	423m SE	Gasometer	1923	809784
B	424m NE	Railway Building	1938	820494
B	425m NE	Unspecified Commercial/Industrial	1923	796771
I	427m N	Unspecified Works	1968	905630
9	427m NW	Unspecified Works	1985 - 1991	989138
W	430m S	Sanitary Works	1933	888668
W	430m S	Sanitary Works	1921	963542
I	432m N	Unspecified Works	1978	940673
G	433m SE	Unspecified Tanks	1968 - 1978	869704
D	435m SW	Unspecified Tank	1933 - 1938	889468
11	435m SW	Brick Kilns	1851	827898



ID	Location	Land use	Dates present	Group ID
G	435m SE	Unspecified Pit	1906 - 1923	895806
G	438m SE	Unspecified Tank	1933 - 1938	903443
G	438m SE	Unspecified Tanks	1906 - 1923	959046
G	438m SE	Unspecified Tank	1933 - 1938	963475
G	438m SE	Unspecified Tanks	1906 - 1923	989875
X	441m W	Unspecified Mills	1956	966535
U	444m W	Unspecified Tank	1891	825282
12	445m NW	Coal Pit	1851	808497
X	447m W	Unspecified Mills	1923	954804
B	447m NE	Unspecified Works	1985 - 1991	978515
G	447m SE	Unspecified Tank	1933 - 1938	919997
G	447m SE	Unspecified Tanks	1921	939998
G	448m SE	Unspecified Tanks	1923	938396
B	455m NE	Railway Building	1938	820489
X	461m W	Unspecified Commercial/Industrial	1891	967860
X	461m W	Unspecified Mills	1933 - 1938	850186
X	461m W	Unspecified Mills	1921	911965
W	466m S	Sanitary Works	1956	876771
B	470m NE	Railway Building	1938	820490
J	471m W	Unspecified Mill	1978	810295
X	473m W	Unspecified Warehouse	1968 - 1978	901335
W	480m S	Sanitary Works	1938	846336
W	480m S	Sanitary Works	1891 - 1906	971025
W	484m S	Sanitary Works	1923	954361
I	484m N	Unspecified Tank	1923	991651
W	485m S	Unspecified Ground Workings	1968	800627
I	488m N	Unspecified Tank	1938	925206
I	490m N	Unspecified Tank	1933	873898

ID	Location	Land use	Dates present	Group ID
I	490m N	Unspecified Tank	1921	934411
V	491m W	Unspecified Mill	1968	810297
13	492m E	Brick Works	1921	926382

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m

297

Tank features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on **page 13**

ID	Location	Land use	Dates present	Group ID
D	162m S	Gas Works	1949	130918
D	163m S	Gas Holder Station	1991 - 1995	128430
D	163m S	Gas Works	1984	140774
D	172m S	Gas Works	1968 - 1970	146054
D	173m S	Gas Works	1948 - 1952	141387
A	177m SE	Gas Works	1908 - 1922	144191
F	180m SE	Gas Works	1984	126853
A	180m SE	Gas Works	1948 - 1949	140627
G	180m SE	Gas Works	1968 - 1970	130205
J	192m NW	Unspecified Tank	1922	116077
J	195m NW	Tanks	1994 - 1995	147290
J	196m NW	Tanks	1893 - 1908	128674
J	196m NW	Unspecified Tank	1891	116076
J	197m NW	Tanks	1991	136943
J	197m NW	Tanks	1891	136637



ID	Location	Land use	Dates present	Group ID
J	202m NW	Unspecified Tank	1948 - 1949	130784
F	209m SE	Gas Holder	1984	125049
F	209m SE	Gasometer	1949	122835
F	209m SE	Unspecified Tank	1931 - 1970	142901
F	210m SE	Gas Holder	1995	137733
F	210m SE	Gasometer	1968	141629
F	213m SE	Gasometer	1922	148952
D	213m S	Gas Works	1893	123389
J	214m NW	Unspecified Tank	1893 - 1922	139658
J	214m NW	Unspecified Tank	1948 - 1952	135695
J	221m NW	Tanks	1968	124562
J	221m NW	Tanks	1970	138122
J	222m NW	Tanks	1948 - 1952	136444
J	224m NW	Tanks	1968	128498
J	225m NW	Unspecified Tank	1893	116064
J	236m NW	Tanks	1984 - 1995	146894
E	243m SE	Unspecified Tank	1968 - 1970	129294
H	254m N	Unspecified Tank	1893	148061
H	256m N	Tanks	1922	106884
H	258m N	Unspecified Tank	1971	141749
J	259m NW	Tanks	1949 - 1970	145402
D	260m S	Gasometers	1893 - 1922	146932
J	260m NW	Unspecified Tank	1955	116075
D	262m S	Gasometer	1891	108531
J	263m NW	Unspecified Tank	1955	116074
J	263m NW	Tanks	1948 - 1952	144147
J	264m NW	Tanks	1955	106886
J	264m NW	Tanks	1955 - 1970	129863



ID	Location	Land use	Dates present	Group ID
J	267m NW	Tanks	1949	106887
J	268m NW	Tanks	1948 - 1952	124332
J	269m NW	Tanks	1931	142163
J	270m NW	Tanks	1970	106874
J	271m NW	Tanks	1931	137824
J	272m NW	Unspecified Tank	1949 - 1970	133435
J	273m NW	Tanks	1949 - 1970	147836
J	275m NW	Tanks	1955	147679
J	278m W	Unspecified Tank	1891	116056
J	279m NW	Unspecified Tank	1908	116068
J	279m W	Unspecified Tank	1891	116057
J	282m NW	Tanks	1949 - 1955	148273
J	282m NW	Unspecified Tank	1931	116063
J	282m W	Unspecified Tank	1891	116058
J	282m NW	Tanks	1968 - 1970	138136
J	283m NW	Tanks	1891	106885
J	284m NW	Tanks	1955	130903
J	284m NW	Tanks	1971	129083
J	284m NW	Tanks	1955	138763
J	285m NW	Tanks	1948 - 1952	126669
J	285m NW	Unspecified Tank	1970	116069
J	285m NW	Tanks	1949	122819
J	286m NW	Tanks	1955	133408
J	288m NW	Tanks	1948 - 1952	142599
J	288m W	Unspecified Tank	1952 - 1970	140771
J	289m W	Tanks	1984 - 1995	145222
J	290m W	Tanks	1968 - 1970	125396
J	291m NW	Tanks	1949 - 1955	148171

ID	Location	Land use	Dates present	Group ID
J	293m W	Tanks	1948 - 1995	145173
J	299m NW	Unspecified Tank	1970	116067
D	305m S	Gasometer	1891	108530
J	308m NW	Unspecified Tank	1949 - 1970	123860
J	309m NW	Unspecified Tank	1971	133046
A	310m SE	Tanks	1922 - 1931	141453
J	311m NW	Tanks	1891	106873
J	311m NW	Unspecified Tank	1891	116065
D	312m S	Gas Works	1979	124342
A	313m SE	Unspecified Tank	1949	116094
7	314m N	Unspecified Tank	1971	116072
D	317m S	Unspecified Tank	1991	137585
D	318m S	Unspecified Tank	1994 - 1995	143443
D	319m S	Tanks	1986 - 1992	136167
D	319m S	Tanks	1989	138546
G	327m SE	Unspecified Tank	1968 - 1970	130437
D	329m S	Gas Holder Station	1992	124051
G	330m SE	Tanks	1970	141692
G	330m SE	Tanks	1968	131109
D	335m S	Gas Holder Station	1986 - 1989	143674
D	336m S	Gasometer	1891	108529
G	336m SE	Tanks	1970	136413
J	337m NW	Unspecified Tank	1891	116066
D	337m S	Unspecified Tank	1931	116055
M	337m N	Unspecified Tank	1949	116071
A	340m S	Tanks	1948	106894
G	341m SE	Unspecified Tank	1970	116093
G	342m SE	Tanks	1970	123034



ID	Location	Land use	Dates present	Group ID
J	345m W	Unspecified Tank	1968 - 1995	130732
J	347m W	Tanks	1949	124438
J	348m W	Tanks	1948 - 1968	148215
J	353m W	Tanks	1970 - 1984	140679
D	353m S	Tanks	1922 - 1931	142950
G	355m SE	Unspecified Tank	1968 - 1970	128581
A	356m S	Tanks	1948	106895
J	360m W	Tanks	1968 - 1970	140203
J	361m NW	Unspecified Tank	1990 - 1995	146806
D	362m SW	Unspecified Tank	1948 - 1955	139971
D	362m SW	Gas Holder	1986 - 1989	149177
D	362m SW	Gasometers	1979	108903
D	363m SW	Unspecified Tank	1958	145921
D	363m SW	Gasholder	1992	120428
J	365m W	Unspecified Tank	1949	149300
G	365m SE	Unspecified Tank	1949	122692
J	367m W	Unspecified Tank	1948	126964
G	368m SE	Unspecified Tank	1968 - 1970	139876
G	368m SE	Oil Tanks	1908	132831
G	368m SE	Oil Tanks	1922 - 1931	139394
G	368m SE	Tanks	1949	106928
D	369m SW	Unspecified Tank	1931	128987
D	369m SW	Gasometer	1908 - 1922	144489
G	370m SE	Unspecified Tank	1968 - 1970	125026
D	373m S	Tanks	1908	124443
G	376m SE	Unspecified Tank	1949	116090
G	377m SE	Tanks	1949	106929
G	379m SE	Unspecified Tank	1968 - 1970	133963



ID	Location	Land use	Dates present	Group ID
J	380m W	Unspecified Tank	1891	116060
J	380m W	Tanks	1948 - 1952	135614
T	380m N	Unspecified Tank	1931	116078
G	381m SE	Tanks	1908 - 1931	136314
J	381m W	Tanks	1948 - 1952	137067
J	381m W	Tanks	1949	106889
J	382m NW	Unspecified Tank	1908 - 1922	149215
J	383m W	Unspecified Tank	1891	116061
A	383m S	Tanks	1931	106897
D	383m S	Unspecified Tank	1948	116054
G	387m SE	Unspecified Tank	1949	116092
J	388m W	Tanks	1949	144071
A	389m S	Gas Works	1891	135095
J	391m W	Unspecified Tank	1908 - 1931	122612
J	391m W	Unspecified Tank	1949	116059
D	391m S	Overhead Tanks	1948	120512
J	391m W	Tanks	1949	144435
J	392m W	Tanks	1948 - 1952	145352
J	392m W	Unspecified Tank	1893	116049
J	392m W	Unspecified Tank	1931	116062
J	394m W	Unspecified Tank	1968 - 1970	133800
T	394m N	Tanks	1949 - 1955	135693
J	395m W	Tanks	1949	147814
J	396m W	Tanks	1948 - 1952	145190
D	397m S	Tanks	1948	106891
J	397m W	Tanks	1949	106888
A	398m S	Unspecified Tank	1948 - 1979	122403
J	400m W	Unspecified Tank	1891	116050



ID	Location	Land use	Dates present	Group ID
J	401m W	Tanks	1948 - 1952	132380
J	402m W	Unspecified Tank	1891	116035
J	402m W	Tanks	1948 - 1952	130212
G	403m SE	Unspecified Tank	1949 - 1970	132990
J	404m W	Tanks	1948 - 1952	137933
J	404m W	Tanks	1908 - 1931	123297
J	404m W	Unspecified Tank	1891	116037
D	405m S	Tanks	1948	106892
J	405m W	Unspecified Tank	1891	116036
J	406m W	Tanks	1948 - 1952	127366
J	408m W	Tanks	1949	133842
J	408m W	Tanks	1891	139837
J	408m W	Tanks	1948 - 1952	123284
J	409m W	Tanks	1922	106870
A	409m S	Unspecified Tank	1948	125740
J	410m W	Tanks	1931	126236
J	410m W	Unspecified Tank	1893	116034
J	413m W	Tanks	1948 - 1952	148884
G	414m SE	Unspecified Tank	1931	116100
G	414m SE	Tanks	1922 - 1931	135092
J	415m W	Tanks	1948 - 1952	130400
I	415m N	Unspecified Tank	1949	136359
I	415m N	Unspecified Tank	1952	138128
I	415m N	Unspecified Tank	1949	145986
J	415m W	Tanks	1931	137654
J	416m W	Tanks	1949	128217
J	416m W	Tanks	1922 - 1952	130441
G	417m SE	Tanks	1949	106927



ID	Location	Land use	Dates present	Group ID
J	417m W	Tanks	1931	135216
J	418m W	Tanks	1891	148395
J	418m W	Tanks	1931	106871
I	418m N	Tanks	1931	106882
J	418m W	Tanks	1931	139327
A	420m S	Unspecified Tank	1891	147647
J	420m W	Unspecified Tank	1891	116033
8	423m NE	Unspecified Tank	1949 - 1979	137732
J	423m W	Tanks	1891	148519
J	424m W	Tanks	1931	106872
B	424m NE	Unspecified Tank	1990	135179
B	425m NE	Unspecified Tank	1979 - 1995	131728
J	426m W	Tanks	1931	149145
J	426m W	Unspecified Tank	1948 - 1952	141310
J	426m W	Unspecified Tank	1891	144380
J	426m W	Tanks	1931	145673
D	427m S	Unspecified Tank	1948	116053
G	427m SE	Unspecified Tank	1931	116091
D	428m SW	Gasholder	1992	120429
D	428m SW	Unspecified Tank	1958	123472
D	428m SW	Gas Holder	1986 - 1989	140988
J	428m W	Tanks	1891	138933
D	428m SW	Unspecified Tank	1948 - 1955	147701
G	428m SE	Unspecified Tank	1908 - 1922	144275
J	429m W	Tanks	1952	131174
J	429m W	Tanks	1948	141183
J	430m W	Unspecified Tank	1931	139907
J	430m W	Tanks	1891	106869

ID	Location	Land use	Dates present	Group ID
J	434m W	Unspecified Tank	1891	116039
A	434m S	Tanks	1948	106898
D	434m SW	Unspecified Tank	1931	148893
G	436m SE	Tanks	1948 - 1958	130892
G	436m SE	Tanks	1949	106926
G	436m SE	Unspecified Tank	1968	116101
R	437m NE	Unspecified Tank	1931	116079
J	437m W	Unspecified Tank	1952	134249
J	437m W	Tanks	1948 - 1952	145083
J	438m W	Unspecified Tank	1891	116040
A	439m S	Unspecified Tank	1931	116099
J	440m W	Tanks	1891	136918
J	440m W	Unspecified Tank	1891	144341
G	441m SE	Tanks	1908 - 1931	147035
J	441m W	Tanks	1949	127382
J	441m W	Tanks	1948 - 1952	128019
J	442m W	Tanks	1949	122597
J	442m W	Tanks	1952	145731
J	443m W	Tanks	1952	124574
J	443m W	Tanks	1931	142127
J	443m W	Tanks	1931	106867
A	444m S	Unspecified Tank	1948	116095
G	445m SE	Tanks	1949	106925
J	446m W	Tanks	1931	145778
J	446m W	Tanks	1949 - 1952	130724
J	447m W	Tanks	1908 - 1952	123317
J	447m W	Tanks	1949 - 1952	141690
G	447m SE	Unspecified Tank	1955	116102

ID	Location	Land use	Dates present	Group ID
G	447m SE	Tanks	1948	137971
A	447m S	Unspecified Tank	1948	116052
I	449m N	Tanks	1931	106883
J	449m W	Tanks	1922	139430
J	449m W	Tanks	1949	106866
U	451m W	Unspecified Tank	1891 - 1893	125043
A	451m S	Unspecified Tank	1955 - 1958	140162
A	451m S	Unspecified Tank	1979	141260
G	452m SE	Tanks	1922 - 1931	148520
J	455m W	Unspecified Tank	1893	116038
G	455m SE	Tanks	1949	106930
G	456m SE	Tanks	1948	132522
D	457m S	Unspecified Tank	1948	116051
I	459m N	Tanks	1922 - 1931	128323
I	459m N	Tanks	1931	106880
J	459m W	Tanks	1949	137232
D	459m S	Unspecified Tank	1908 - 1922	147259
J	460m W	Unspecified Tank	1891	116048
J	460m W	Tanks	1949 - 1952	138774
J	460m W	Tanks	1952	134151
J	461m W	Tanks	1952	130043
I	463m N	Tanks	1931	106875
A	465m S	Unspecified Tank	1891	116096
J	465m W	Tanks	1952	147025
J	467m W	Tanks	1949 - 1952	133545
J	467m W	Tanks	1949 - 1965	130055
J	469m W	Tanks	1931	132320
J	470m W	Tanks	1908	133401



ID	Location	Land use	Dates present	Group ID
U	471m W	Tanks	1891	106837
D	473m SW	Tanks	1986 - 1992	144183
J	474m W	Tanks	1949 - 1965	131420
A	475m S	Tanks	1948	106896
A	476m S	Unspecified Tank	1891	116098
J	478m W	Tanks	1891	144312
U	478m W	Tanks	1891	137698
J	479m W	Tanks	1891 - 1931	141301
I	479m N	Unspecified Tank	1949	116080
I	480m N	Tanks	1931	106878
A	481m S	Unspecified Tank	1891	116097
I	481m N	Unspecified Tank	1931 - 1970	140494
J	482m W	Tanks	1949 - 1952	139282
U	483m W	Tanks	1891	128159
I	484m N	Unspecified Tank	1931	116083
J	484m W	Unspecified Tank	1891	116047
I	485m N	Unspecified Tank	1931	116073
I	485m N	Unspecified Tank	1990 - 1995	136216
I	485m N	Tanks	1931	106879
U	485m W	Tanks	1891	106834
A	487m S	Tanks	1979	106893
A	489m S	Tanks	1955 - 1979	143974
I	489m N	Gasometer	1955	108526
I	489m N	Unspecified Tank	1922 - 1949	137843
I	490m N	Unspecified Tank	1931	116084
A	492m S	Tanks	1979	106890
I	494m N	Tanks	1931	106877
A	494m S	Unspecified Tank	1948	116113

ID	Location	Land use	Dates present	Group ID
A	496m S	Overhead Tanks	1948	120513
A	498m S	Unspecified Tank	1891	116115

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m

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Energy features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on **page 13**

ID	Location	Land use	Dates present	Group ID
D	162m S	Gas Works	1949	66752
D	163m S	Gas Holder Station	1991 - 1995	83257
D	163m S	Gas Works	1984	71264
D	172m S	Gas Works	1948 - 1970	74752
A	177m SE	Gas Works	1908 - 1922	77534
F	180m SE	Gas Works	1984	71747
A	180m SE	Gas Works	1948 - 1970	85321
F	209m SE	Gas Holder	1984	68164
F	209m SE	Gasometer	1922 - 1949	76542
F	210m SE	Gas Holder	1995	72614
F	210m SE	Gasometer	1968	75789
D	213m S	Gas Works	1893	80210
D	225m S	Corporation Gas Works	1891	79203
D	260m S	Gasometers	1893 - 1922	78993
D	262m S	Gasometer	1891	59724
M	265m N	Gas Plant Iron Works	1949 - 1955	66060



ID	Location	Land use	Dates present	Group ID
M	272m NW	Gas Plant Works	1931 - 1970	79660
N	285m SW	Electricity Substation	1991 - 1995	74979
N	286m SW	Electricity Substation	1968 - 1984	74990
J	297m W	Electricity Substation	1948 - 1995	78253
J	299m W	Electricity Substation	1984 - 1991	69820
D	305m S	Gasometer	1891	59723
D	312m S	Gas Works	1979	64728
J	324m NW	Electricity Substation	1990 - 1995	68028
D	329m S	Gas Holder Station	1992	79718
P	333m NE	Electricity Substation	1990	70505
P	334m NE	Electricity Substation	1979 - 1995	67258
D	335m S	Gas Holder Station	1986 - 1989	65294
D	336m S	Gasometer	1891	59722
M	338m N	Electricity Substation	1955 - 1991	65838
M	338m N	Electricity Substation	1970 - 1995	73742
Q	343m NW	Gas Plant Iron Works	1931	85136
Q	346m NW	Gas Plant Works	1970	63814
Q	346m NW	Gas Plant Iron Works	1949	79157
Q	347m NW	Gas Plant Iron Works	1955	77109
D	362m SW	Gas Holder	1986 - 1989	77108
D	362m SW	Gasometers	1979	63338
D	363m SW	Gasholder	1992	63416
D	369m SW	Gasometer	1908 - 1922	70420
A	389m S	Gas Works	1891	73418
R	417m NE	Electricity Substation	1990 - 1995	64884
D	428m SW	Gasholder	1992	63417
D	428m SW	Gas Holder	1986 - 1989	74103
10	430m SW	Electricity Substation	1968 - 1995	82234

ID	Location	Land use	Dates present	Group ID
S	463m E	Electricity Substation	1995	79352
J	464m W	Gas Governor	1981	63605
S	471m E	Electricity Substation	1984	62202
S	472m E	Electricity Transformer	1968	63772
I	489m N	Gasometer	1955	59719

This data is sourced from Ordnance Survey / Groundsure.

1.4 Historical petrol stations

Records within 500m	0
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Petrol stations digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

This data is sourced from Ordnance Survey / Groundsure.

1.5 Historical garages

Records within 500m	4
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Garages digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on **page 13**

ID	Location	Land use	Dates present	Group ID
L	257m E	Garage	1984	21414
L	257m E	Garage	1995	25834
L	281m E	Garage	1968 - 1970	27654
B	412m NE	Wagon Repair Works	1931	20543

This data is sourced from Ordnance Survey / Groundsure.



1.6 Historical military land

Records within 500m

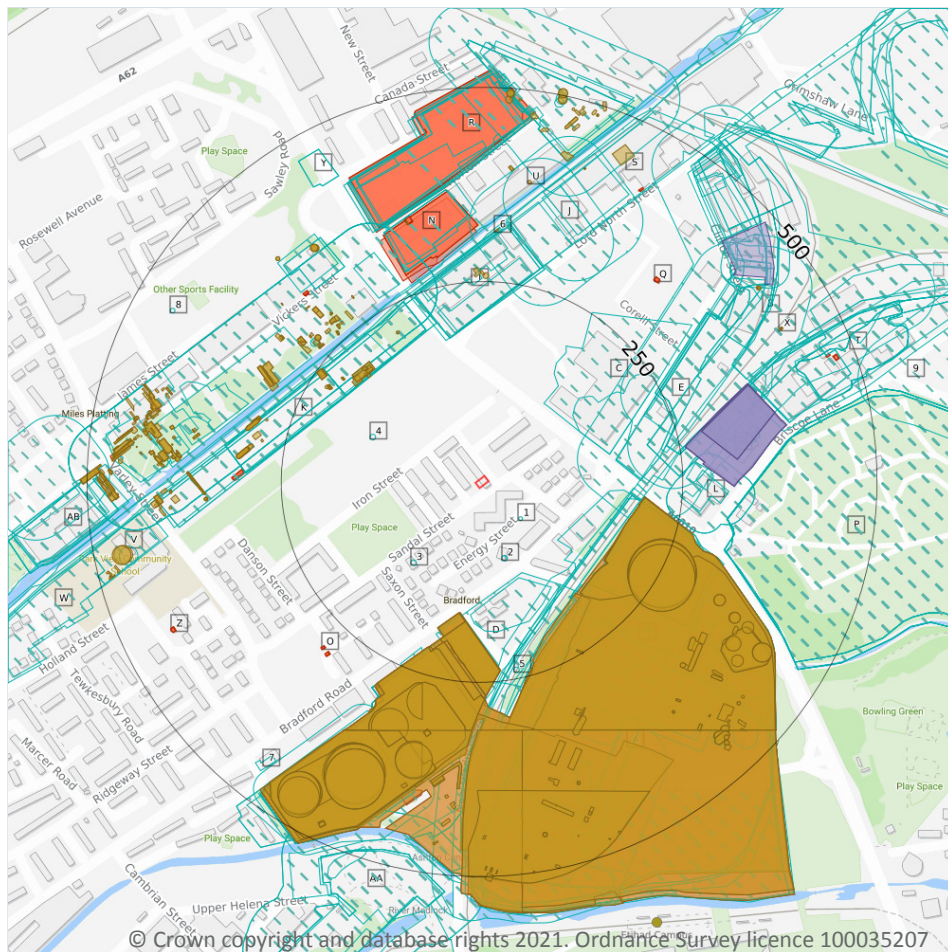
0

Areas of military land digitised from multiple sources including the National Archives, local records, MOD records and verified other sources, intelligently grouped into contiguous features.

This data is sourced from Ordnance Survey / Groundsure / other sources.



2 Past land use - un-grouped



- Site Outline
- Search buffers in metres (m)
- Historical industrial land uses
- Historical tanks
- Historical energy features
- Historical garages

2.1 Historical industrial land uses

Records within 500m

296

Potentially contaminative land use features digitised from historical Ordnance Survey mapping at 1:10,000 and 10,560 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on **page 36**

ID	Location	Land Use	Date	Group ID
1	61m SE	Coal Pit	1851	808503
2	92m S	Coal Pits	1851	802167
A	117m SE	Railway Sidings	1938	898707



ID	Location	Land Use	Date	Group ID
B	117m E	Coal Yard	1891	932750
C	121m NE	Brick Works	1891	818772
D	122m SE	Brick Works	1891	818774
3	125m SW	Coal Pits	1851	802168
D	126m SE	Unspecified Pit	1906	840536
C	134m NE	Unspecified Heaps	1891	831348
4	141m NW	Coal Pit	1851	808502
A	148m SE	Railway Sidings	1978	974171
A	157m SE	Railway Sidings	1968	982092
A	157m SE	Railway Sidings	1923	973770
A	159m SE	Railway Sidings	1933	898707
A	159m SE	Railway Sidings	1921	881262
A	159m SE	Railway Sidings	1906	881262
A	162m SE	Railway Sidings	1891	925215
D	164m S	Unspecified Works	1968	830459
E	166m E	Coal Yard	1956	918300
E	166m E	Coal Yard	1968	918300
B	167m E	Railway Sidings	1891	978292
A	173m SE	Gas Works	1923	932486
A	179m SE	Unspecified Commercial/Industrial	1978	974281
F	179m SE	Refuse Heap	1891	829115
I	181m N	Chemical Works	1923	849220
A	182m SE	Gas Works	1921	932486
A	182m SE	Gas Works	1906	932486
A	182m SE	Unspecified Commercial/Industrial	1938	894722
A	182m SE	Unspecified Commercial/Industrial	1933	894722
A	182m SE	Unspecified Commercial/Industrial	1956	951490
I	183m N	Unspecified Works	1933	934682



ID	Location	Land Use	Date	Group ID
I	183m N	Chemical Works	1921	849220
I	183m N	Unspecified Works	1891	927795
I	183m N	Unspecified Works	1938	934682
A	183m SE	Unspecified Commercial/Industrial	1968	974281
B	184m E	Coal Yard	1906	956455
G	184m SE	Gas Works	1985	991680
G	186m SE	Gas Works	1991	991680
I	187m N	Unspecified Mills	1968	808184
J	189m N	Unspecified Commercial/Industrial	1985	899281
K	191m NW	Unspecified Works	1985	960938
K	191m NW	Unspecified Works	1991	960938
B	192m E	Railway Sidings	1923	875517
K	193m NW	Unspecified Mills	1921	852486
K	193m NW	Unspecified Mills	1906	852486
K	193m NW	Unspecified Mills	1891	852486
K	193m NW	Unspecified Mills	1938	852486
K	193m NW	Unspecified Mills	1933	852486
K	193m NW	Unspecified Mills	1923	852486
A	194m SE	Railway Sidings	1956	982092
K	194m NW	Canal Works	1968	827846
K	201m NW	Chemical Works	1921	886492
K	201m NW	Chemical Works	1906	886492
K	201m NW	Chemical Works	1891	886492
K	201m NW	Chemical Works	1938	886492
K	201m NW	Chemical Works	1933	886492
K	201m NW	Chemical Works	1923	886492
K	205m NW	Unspecified Commercial/Industrial	1938	911970
K	205m NW	Unspecified Commercial/Industrial	1933	911970



ID	Location	Land Use	Date	Group ID
K	205m NW	Unspecified Commercial/Industrial	1921	845585
K	205m NW	Unspecified Commercial/Industrial	1906	845585
K	205m NW	Unspecified Commercial/Industrial	1891	845585
G	206m SE	Gasometer	1923	905212
D	207m S	Unspecified Commercial/Industrial	1851	881841
G	208m SE	Gasometer	1921	848231
G	208m SE	Unspecified Tank	1938	965896
G	208m SE	Unspecified Tank	1933	965896
B	209m E	Railway Sidings	1956	2367782
B	209m E	Railway Sidings	1991	880705
B	209m E	Railway Sidings	1968	975528
G	211m SE	Unspecified Tank	1956	914907
G	211m SE	Unspecified Tank	1978	914907
G	211m SE	Unspecified Tank	1968	914907
D	215m S	Coal Pit	1851	808504
D	216m S	Gas Stove Works	1921	899437
D	216m S	Raising Works	1906	806704
D	216m S	Unspecified Commercial/Industrial	1891	917862
D	216m S	Unspecified Commercial/Industrial	1938	909305
D	216m S	Unspecified Commercial/Industrial	1933	909305
B	218m NE	Railway Sidings	1938	903657
G	218m SE	Gasometer	1991	887941
G	219m SE	Gasometer	1985	920187
D	223m S	Gas Stove Works	1923	899437
B	226m E	Coal Yard	1923	961633
J	229m N	Timber Yard	1921	932938
L	230m E	Fire Station	1985	981014
L	230m E	Fire Station	1991	981014



ID	Location	Land Use	Date	Group ID
B	234m E	Railway Sidings	1921	875517
B	234m E	Coal Yard	1921	961633
B	234m E	Railway Sidings	1906	990471
B	234m E	Railway Sidings	1933	973087
5	235m S	Coal Pit	1851	808495
I	236m N	Unspecified Works	1968	898141
K	237m NW	Disused Canal	1991	849130
K	240m NW	Disused Canal	1985	2367192
L	248m E	Fire Station	1978	988929
A	251m S	Gas Works	1891	874852
L	254m E	Railway Building	1923	820496
D	259m S	Unspecified Tank	1891	940326
D	263m S	Unspecified Tank	1921	854180
D	263m S	Unspecified Tank	1906	854180
D	263m S	Gasometer	1923	809781
K	265m NW	Unspecified Commercial/Industrial	1923	882897
K	266m NW	Unspecified Works	1978	830464
D	267m S	Unspecified Pit	1938	988822
D	267m S	Unspecified Pit	1933	988822
K	270m NW	Unspecified Tank	1938	849674
K	270m NW	Unspecified Tank	1933	849674
J	273m N	Forge	1921	810901
J	276m N	Timber Yard	1923	932938
N	282m N	Unspecified Works	1985	897604
N	282m N	Unspecified Works	1978	844931
N	282m N	Unspecified Works	1991	897604
N	290m N	Steel Works	1851	810022
D	294m S	Unspecified Tank	1891	972082



ID	Location	Land Use	Date	Group ID
M	296m E	Garage	1968	844166
M	298m E	Unspecified Pit	1923	963276
D	300m S	Unspecified Pit	1938	883057
D	300m S	Unspecified Pit	1933	883057
D	301m S	Unspecified Tank	1921	850837
D	301m S	Unspecified Tank	1906	850837
D	301m S	Gasometer	1923	809785
D	302m S	Unspecified Tank	1891	916313
M	305m E	Unspecified Pit	1938	947050
M	305m E	Unspecified Pit	1933	947050
M	305m E	Unspecified Pit	1921	988196
M	306m E	Unspecified Pit	1956	871090
D	309m S	Unspecified Tank	1921	974232
D	309m S	Unspecified Tank	1906	974232
D	309m S	Gasometer	1923	809783
H	309m E	Gas Work	1978	945176
H	309m E	Gas Work	1968	945176
K	309m W	Size Works	1851	837943
P	311m E	Cemetery	1956	926290
P	311m E	Cemetery	1985	944161
P	311m E	Cemetery	1978	926290
P	311m E	Cemetery	1991	951637
P	311m E	Cemetery	1968	926290
H	311m SE	Refuse Heap	1906	829125
P	311m E	Cemetery	1923	882873
P	311m E	Cemetery	1938	882873
P	311m E	Cemetery	1933	882873
P	311m E	Cemetery	1921	882873

ID	Location	Land Use	Date	Group ID
P	311m E	Cemetery	1906	882873
P	311m E	Cemetery	1891	882873
A	314m SE	Unspecified Tanks	1921	981777
D	314m SW	Gas Works	1985	895751
A	318m SE	Unspecified Tanks	1923	981777
H	320m SE	Gasometer	1978	944402
H	320m SE	Gasometer	1968	944402
D	321m SW	Gas Work	1978	814479
H	322m SE	Gasometer	1978	908225
H	322m SE	Gasometer	1968	908225
J	323m N	Iron Works	1906	822794
K	323m NW	Unspecified Depot	1985	964426
K	323m NW	Unspecified Depot	1991	964426
D	326m SW	Unspecified Commercial/Industrial	1956	916012
D	326m SW	Unspecified Works	1968	830458
K	331m NW	Unspecified Depot	1978	882826
J	332m N	Unspecified Works	1978	830465
D	336m S	Unspecified Tank	1891	927485
D	339m SW	Gas Works	1991	895751
D	339m S	Unspecified Tank	1921	909386
D	339m S	Unspecified Tank	1906	909386
D	339m S	Unspecified Tank	1938	927958
D	339m S	Unspecified Tank	1933	927958
D	339m S	Gasometer	1923	809782
K	344m W	Tannery	1851	842300
R	344m N	Unspecified Works	1991	930965
R	345m NW	Iron Works	1923	910344
R	345m NW	Iron Works	1938	924546



ID	Location	Land Use	Date	Group ID
R	345m NW	Iron Works	1933	924546
R	345m NW	Iron Works	1921	921354
N	345m NW	Iron Works	1906	940446
S	346m NE	Brick Works	1906	818770
B	347m NE	Railway Sidings	1985	985075
B	348m NE	Railway Sidings	1978	2367782
R	348m NW	Iron Works	1956	856928
R	348m NW	Iron Works	1968	856928
R	349m N	Unspecified Works	1985	861098
B	358m NE	Unspecified Works	1985	887720
B	358m NE	Unspecified Works	1991	887720
H	359m SE	Gasometer	1968	884458
D	360m S	Gasometer	1985	979918
T	360m E	Unspecified Factory	1978	821380
H	361m SE	Unspecified Tanks	1956	815394
H	361m SE	Oil Tanks	1923	889887
T	362m E	Unspecified Works	1985	877844
T	362m E	Unspecified Works	1991	877844
D	362m S	Gasometers	1991	983680
K	363m W	Unspecified Works	1978	830460
T	363m E	Brick Works	1906	897437
H	364m SE	Unspecified Pit	1906	840537
H	364m SE	Oil Tanks	1921	857954
H	364m SE	Oil Tanks	1906	857954
H	364m SE	Unspecified Tank	1938	954554
H	364m SE	Unspecified Tank	1933	954554
D	365m SW	Unspecified Tanks	1956	922346
D	365m SW	Gasometers	1978	916494



ID	Location	Land Use	Date	Group ID
D	365m SW	Unspecified Tanks	1968	922346
H	366m SE	Gasometer	1978	884458
D	369m SW	Gasometer	1921	941154
D	369m SW	Unspecified Tank	1906	918029
D	369m SW	Unspecified Tank	1938	938620
D	369m SW	Unspecified Tank	1933	938620
D	369m SW	Gasometer	1923	941154
H	374m SE	Unspecified Tanks	1923	815395
J	374m N	Coal Yard	1891	914601
H	374m SE	Oil Tanks	1921	932969
H	374m SE	Oil Tanks	1906	932969
H	374m SE	Unspecified Tank	1938	924790
H	374m SE	Unspecified Tank	1933	924790
K	384m W	Coal Pit	1851	808501
H	387m SE	Oil Tanks	1921	931133
H	387m SE	Oil Tanks	1906	931133
H	387m SE	Unspecified Tank	1938	928492
H	387m SE	Unspecified Tank	1933	928492
D	392m SW	Brick Field	1851	817949
K	396m W	Chemical Works	1851	834549
B	400m NE	Unspecified Works	1978	847445
H	401m SE	Oil Tanks	1921	899956
H	401m SE	Oil Tanks	1906	899956
H	401m SE	Unspecified Tank	1938	847909
H	401m SE	Unspecified Tank	1933	847909
V	402m W	Unspecified Works	1968	830461
B	409m NE	Railway Building	1938	820495
B	411m NE	Unspecified Works	1968	847445



ID	Location	Land Use	Date	Group ID
W	414m W	Alum Works	1923	795045
J	419m N	Chemical Works	1921	862438
J	419m N	Coal Yard	1906	914601
J	419m N	Chemical Works	1933	862438
J	419m N	Chemical Works	1923	862438
T	421m E	Old Clay Pit	1921	868807
T	422m E	Unspecified Pit	1938	853771
T	422m E	Unspecified Pit	1933	853771
T	422m E	Old Clay Pit	1923	868807
T	422m E	Clay Pit	1906	827693
D	423m SW	Gasometer	1985	850148
H	423m SE	Gasometer	1923	809784
B	424m NE	Railway Building	1938	820494
B	425m NE	Unspecified Commercial/Industrial	1923	796771
J	427m N	Unspecified Works	1968	905630
Y	427m NW	Unspecified Works	1985	989138
Y	427m NW	Unspecified Works	1991	989138
AA	430m S	Sanitary Works	1933	888668
AA	430m S	Sanitary Works	1921	963542
J	432m N	Unspecified Works	1978	940673
H	433m SE	Unspecified Tanks	1978	869704
D	435m SW	Unspecified Tank	1938	889468
D	435m SW	Unspecified Tank	1933	889468
7	435m SW	Brick Kilns	1851	827898
H	435m SE	Unspecified Pit	1921	895806
H	435m SE	Unspecified Pit	1906	895806
H	435m SE	Unspecified Pit	1923	895806
H	436m SE	Unspecified Tanks	1968	869704



ID	Location	Land Use	Date	Group ID
H	438m SE	Unspecified Tanks	1921	989875
H	438m SE	Unspecified Tanks	1921	959046
H	438m SE	Unspecified Tanks	1906	989875
H	438m SE	Unspecified Tanks	1906	959046
H	438m SE	Unspecified Tank	1938	963475
H	438m SE	Unspecified Tank	1938	903443
H	438m SE	Unspecified Tank	1933	903443
H	438m SE	Unspecified Tank	1933	963475
H	438m SE	Unspecified Tanks	1923	959046
H	438m SE	Unspecified Tanks	1923	989875
AB	441m W	Unspecified Mills	1956	966535
V	444m W	Unspecified Tank	1891	825282
8	445m NW	Coal Pit	1851	808497
AB	447m W	Unspecified Mills	1923	954804
B	447m NE	Unspecified Works	1985	978515
B	447m NE	Unspecified Works	1991	978515
H	447m SE	Unspecified Tanks	1921	939998
H	447m SE	Unspecified Tank	1938	919997
H	447m SE	Unspecified Tank	1933	919997
H	448m SE	Unspecified Tanks	1923	938396
B	455m NE	Railway Building	1938	820489
AB	461m W	Unspecified Mills	1921	911965
AB	461m W	Unspecified Commercial/Industrial	1891	967860
AB	461m W	Unspecified Mills	1938	850186
AB	461m W	Unspecified Mills	1933	850186
AA	466m S	Sanitary Works	1956	876771
B	470m NE	Railway Building	1938	820490
K	471m W	Unspecified Mill	1978	810295

ID	Location	Land Use	Date	Group ID
AB	473m W	Unspecified Warehouse	1978	901335
AB	475m W	Unspecified Warehouse	1968	901335
AA	480m S	Sanitary Works	1906	971025
AA	480m S	Sanitary Works	1891	971025
AA	480m S	Sanitary Works	1938	846336
AA	484m S	Sanitary Works	1923	954361
J	484m N	Unspecified Tank	1923	991651
AA	485m S	Unspecified Ground Workings	1968	800627
J	488m N	Unspecified Tank	1938	925206
J	490m N	Unspecified Tank	1933	873898
J	490m N	Unspecified Tank	1921	934411
W	491m W	Unspecified Mill	1968	810297
9	492m E	Brick Works	1921	926382

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m

454

Tank features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on **page 36**

ID	Location	Land Use	Date	Group ID
D	162m S	Gas Works	1949	130918
D	163m S	Gas Holder Station	1991	128430
D	163m S	Gas Works	1984	140774
D	172m S	Gas Works	1970	146054
D	173m S	Gas Works	1968	146054
D	173m S	Gas Works	1952	141387
D	173m S	Gas Works	1948	141387



ID	Location	Land Use	Date	Group ID
A	177m SE	Gas Works	1922	144191
G	180m SE	Gas Works	1984	126853
H	180m SE	Gas Works	1949	140627
H	180m SE	Gas Works	1970	130205
H	181m SE	Gas Works	1968	130205
A	183m SE	Gas Works	1908	144191
K	192m NW	Unspecified Tank	1922	116077
K	195m NW	Tanks	1995	147290
K	195m NW	Tanks	1994	147290
K	196m NW	Tanks	1893	128674
K	196m NW	Tanks	1908	128674
K	196m NW	Unspecified Tank	1891	116076
K	197m NW	Tanks	1991	136943
K	197m NW	Tanks	1891	136637
K	202m NW	Unspecified Tank	1949	130784
K	203m NW	Unspecified Tank	1948	130784
G	209m SE	Gas Holder	1984	125049
G	209m SE	Gasometer	1949	122835
G	209m SE	Unspecified Tank	1970	142901
G	210m SE	Gas Holder	1995	137733
G	210m SE	Gas Holder	1995	137733
G	210m SE	Gasometer	1968	141629
G	213m SE	Gasometer	1922	148952
G	213m SE	Unspecified Tank	1931	142901
D	213m S	Gas Works	1893	123389
D	214m S	Gas Holder Station	1995	128430
D	214m S	Gas Holder Station	1994	128430
K	214m NW	Unspecified Tank	1893	139658



ID	Location	Land Use	Date	Group ID
K	214m NW	Unspecified Tank	1922	139658
K	214m NW	Unspecified Tank	1949	135695
K	215m NW	Unspecified Tank	1952	135695
K	215m NW	Unspecified Tank	1948	135695
K	221m NW	Tanks	1968	124562
K	221m NW	Tanks	1970	138122
K	222m NW	Tanks	1952	136444
K	222m NW	Tanks	1948	136444
K	224m NW	Tanks	1968	128498
K	225m NW	Unspecified Tank	1893	116064
K	236m NW	Tanks	1995	146894
K	236m NW	Tanks	1994	146894
K	236m NW	Tanks	1984	146894
K	236m NW	Tanks	1991	146894
F	243m SE	Unspecified Tank	1968	129294
F	243m SE	Unspecified Tank	1970	129294
I	254m N	Unspecified Tank	1893	148061
I	256m N	Tanks	1922	106884
I	258m N	Unspecified Tank	1971	141749
K	259m NW	Tanks	1949	145402
K	259m NW	Tanks	1970	145402
D	260m S	Gasometers	1893	146932
D	260m S	Gasometers	1908	146932
D	260m S	Gasometers	1922	146932
K	260m NW	Unspecified Tank	1955	116075
D	262m S	Gasometer	1891	108531
K	263m NW	Unspecified Tank	1955	116074
K	263m NW	Tanks	1949	144147



ID	Location	Land Use	Date	Group ID
K	264m NW	Tanks	1955	106886
K	264m NW	Tanks	1952	144147
K	264m NW	Tanks	1948	144147
K	264m NW	Tanks	1955	129863
K	265m NW	Tanks	1970	129863
K	267m NW	Tanks	1949	106887
K	268m NW	Tanks	1952	124332
K	268m NW	Tanks	1948	124332
K	269m NW	Tanks	1931	142163
K	270m NW	Tanks	1970	106874
K	271m NW	Tanks	1931	137824
K	272m NW	Unspecified Tank	1949	133435
K	272m NW	Unspecified Tank	1970	133435
K	272m NW	Unspecified Tank	1955	133435
K	273m NW	Tanks	1949	147836
K	273m NW	Tanks	1970	147836
K	275m NW	Tanks	1955	147679
K	278m W	Unspecified Tank	1891	116056
K	279m NW	Unspecified Tank	1908	116068
K	279m W	Unspecified Tank	1891	116057
K	282m NW	Tanks	1949	148273
K	282m NW	Tanks	1955	148273
K	282m NW	Unspecified Tank	1931	116063
K	282m NW	Tanks	1968	138136
K	282m W	Unspecified Tank	1891	116058
K	282m NW	Tanks	1970	138136
K	283m NW	Tanks	1891	106885
K	284m NW	Tanks	1955	130903



ID	Location	Land Use	Date	Group ID
K	284m NW	Tanks	1971	129083
K	284m NW	Tanks	1955	138763
K	285m NW	Tanks	1952	126669
K	285m NW	Tanks	1948	126669
K	285m NW	Unspecified Tank	1970	116069
K	285m NW	Tanks	1949	122819
K	286m NW	Tanks	1955	133408
K	288m NW	Tanks	1949	142599
K	288m W	Unspecified Tank	1968	140771
K	288m W	Unspecified Tank	1952	140771
K	288m NW	Tanks	1952	142599
K	288m NW	Tanks	1948	142599
K	288m W	Unspecified Tank	1970	140771
K	289m W	Tanks	1995	145222
K	289m W	Tanks	1994	145222
K	289m W	Tanks	1984	145222
K	289m W	Tanks	1991	145222
K	290m W	Tanks	1968	125396
K	290m W	Tanks	1970	125396
K	291m NW	Tanks	1949	148171
K	291m NW	Tanks	1955	148171
K	293m W	Tanks	1949	145173
K	294m W	Tanks	1995	145173
K	294m W	Tanks	1994	145173
K	294m W	Tanks	1952	145173
K	294m W	Tanks	1948	145173
K	295m W	Tanks	1984	145173
K	295m W	Tanks	1991	145173



ID	Location	Land Use	Date	Group ID
K	299m NW	Unspecified Tank	1970	116067
D	305m S	Gasometer	1891	108530
K	308m NW	Unspecified Tank	1949	123860
K	308m NW	Unspecified Tank	1970	123860
K	309m NW	Unspecified Tank	1955	123860
K	309m NW	Unspecified Tank	1971	133046
A	310m SE	Tanks	1931	141453
K	311m NW	Tanks	1891	106873
K	311m NW	Unspecified Tank	1891	116065
A	312m S	Gas Works	1948	140627
D	312m S	Gas Works	1979	124342
A	313m SE	Unspecified Tank	1949	116094
6	314m N	Unspecified Tank	1971	116072
A	316m S	Gas Works	1948	140627
D	317m S	Unspecified Tank	1991	137585
D	318m S	Unspecified Tank	1995	143443
D	318m S	Unspecified Tank	1994	143443
D	319m S	Tanks	1989	138546
D	319m S	Tanks	1986	136167
D	319m S	Tanks	1992	136167
A	321m SE	Tanks	1922	141453
H	327m SE	Unspecified Tank	1970	130437
H	327m SE	Unspecified Tank	1968	130437
D	329m S	Gas Holder Station	1992	124051
H	330m SE	Tanks	1970	141692
H	330m SE	Tanks	1968	131109
D	335m S	Gas Holder Station	1986	143674
D	335m S	Gas Holder Station	1989	143674



ID	Location	Land Use	Date	Group ID
D	336m S	Gasometer	1891	108529
H	336m SE	Tanks	1970	136413
K	337m NW	Unspecified Tank	1891	116066
D	337m S	Unspecified Tank	1931	116055
N	337m N	Unspecified Tank	1949	116071
A	340m S	Tanks	1948	106894
H	341m SE	Unspecified Tank	1970	116093
H	342m SE	Tanks	1970	123034
K	345m W	Unspecified Tank	1995	130732
K	345m W	Unspecified Tank	1994	130732
K	345m W	Unspecified Tank	1968	130732
K	345m W	Unspecified Tank	1970	130732
K	346m W	Unspecified Tank	1984	130732
K	346m W	Unspecified Tank	1991	130732
K	347m W	Tanks	1949	124438
K	348m W	Tanks	1968	148215
K	348m W	Tanks	1952	148215
K	348m W	Tanks	1948	148215
K	353m W	Tanks	1970	140679
D	353m S	Tanks	1922	142950
D	353m S	Tanks	1931	142950
K	353m W	Tanks	1984	140679
H	355m SE	Unspecified Tank	1968	128581
H	356m SE	Unspecified Tank	1970	128581
A	356m S	Tanks	1948	106895
K	360m W	Tanks	1970	140203
K	360m W	Tanks	1968	140203
K	361m NW	Unspecified Tank	1995	146806



ID	Location	Land Use	Date	Group ID
K	361m NW	Unspecified Tank	1995	146806
K	362m NW	Unspecified Tank	1990	146806
K	362m NW	Unspecified Tank	1991	146806
D	362m SW	Unspecified Tank	1948	139971
D	362m SW	Gas Holder	1989	149177
D	362m SW	Unspecified Tank	1955	139971
D	362m SW	Gasometers	1979	108903
D	363m SW	Unspecified Tank	1958	145921
D	363m SW	Gas Holder	1986	149177
D	363m SW	Gasholder	1992	120428
K	365m W	Unspecified Tank	1949	149300
H	365m SE	Unspecified Tank	1949	122692
K	367m W	Unspecified Tank	1948	126964
H	368m SE	Unspecified Tank	1968	139876
H	368m SE	Oil Tanks	1908	132831
H	368m SE	Oil Tanks	1922	139394
H	368m SE	Oil Tanks	1931	139394
H	368m SE	Tanks	1949	106928
H	368m SE	Unspecified Tank	1970	139876
D	369m SW	Gasometer	1908	144489
D	369m SW	Gasometer	1922	144489
D	369m SW	Unspecified Tank	1931	128987
H	370m SE	Unspecified Tank	1968	125026
H	370m SE	Unspecified Tank	1970	125026
D	373m S	Tanks	1908	124443
H	376m SE	Unspecified Tank	1949	116090
H	377m SE	Tanks	1949	106929
H	379m SE	Unspecified Tank	1968	133963

ID	Location	Land Use	Date	Group ID
H	379m SE	Unspecified Tank	1970	133963
K	380m W	Tanks	1952	135614
K	380m W	Tanks	1948	135614
K	380m W	Unspecified Tank	1891	116060
U	380m N	Unspecified Tank	1931	116078
H	381m SE	Tanks	1908	136314
H	381m SE	Tanks	1922	136314
H	381m SE	Tanks	1931	136314
K	381m W	Tanks	1952	137067
K	381m W	Tanks	1948	137067
K	381m W	Tanks	1949	106889
K	382m NW	Unspecified Tank	1908	149215
K	382m NW	Unspecified Tank	1922	149215
K	383m W	Unspecified Tank	1891	116061
A	383m S	Tanks	1931	106897
D	383m S	Unspecified Tank	1948	116054
H	387m SE	Unspecified Tank	1949	116092
K	388m W	Tanks	1949	144071
A	389m S	Gas Works	1891	135095
K	391m W	Unspecified Tank	1931	122612
K	391m W	Unspecified Tank	1949	116059
D	391m S	Overhead Tanks	1948	120512
K	391m W	Unspecified Tank	1908	122612
K	391m W	Unspecified Tank	1922	122612
K	391m W	Tanks	1949	144435
K	392m W	Tanks	1952	145352
K	392m W	Tanks	1948	145352
K	392m W	Unspecified Tank	1893	116049



ID	Location	Land Use	Date	Group ID
K	392m W	Unspecified Tank	1931	116062
K	394m W	Unspecified Tank	1968	133800
K	394m W	Unspecified Tank	1970	133800
U	394m N	Tanks	1949	135693
U	394m N	Tanks	1955	135693
K	395m W	Tanks	1949	147814
K	396m W	Tanks	1952	145190
K	396m W	Tanks	1948	145190
D	397m S	Tanks	1948	106891
K	397m W	Tanks	1949	106888
A	398m S	Unspecified Tank	1948	122403
A	398m S	Unspecified Tank	1955	122403
A	399m S	Unspecified Tank	1979	122403
K	400m W	Unspecified Tank	1891	116050
K	401m W	Tanks	1952	132380
K	401m W	Tanks	1948	132380
K	402m W	Unspecified Tank	1891	116035
K	402m W	Tanks	1949	130212
H	403m SE	Unspecified Tank	1968	132990
K	403m W	Tanks	1952	130212
K	403m W	Tanks	1948	130212
H	403m SE	Unspecified Tank	1949	132990
H	403m SE	Unspecified Tank	1970	132990
K	404m W	Tanks	1949	137933
K	404m W	Tanks	1908	123297
K	404m W	Unspecified Tank	1891	116037
K	404m W	Tanks	1952	137933
K	404m W	Tanks	1948	137933



ID	Location	Land Use	Date	Group ID
D	405m S	Tanks	1948	106892
K	405m W	Unspecified Tank	1891	116036
K	406m W	Tanks	1952	127366
K	406m W	Tanks	1948	127366
K	408m W	Tanks	1931	123297
K	408m W	Tanks	1949	133842
K	408m W	Tanks	1891	139837
K	408m W	Tanks	1952	123284
K	408m W	Tanks	1948	123284
K	409m W	Tanks	1922	106870
A	409m S	Unspecified Tank	1948	125740
K	410m W	Tanks	1931	126236
K	410m W	Unspecified Tank	1893	116034
K	413m W	Tanks	1952	148884
K	413m W	Tanks	1948	148884
H	414m SE	Unspecified Tank	1931	116100
H	414m SE	Tanks	1922	135092
H	414m SE	Tanks	1931	135092
K	415m W	Tanks	1952	130400
K	415m W	Tanks	1948	130400
K	415m W	Tanks	1949	130400
J	415m N	Unspecified Tank	1952	138128
J	415m N	Unspecified Tank	1949	136359
J	415m N	Unspecified Tank	1949	145986
K	415m W	Tanks	1931	137654
K	416m W	Tanks	1949	128217
K	416m W	Tanks	1952	130441
K	416m W	Tanks	1948	130441



ID	Location	Land Use	Date	Group ID
K	417m W	Tanks	1922	130441
H	417m SE	Tanks	1949	106927
K	417m W	Tanks	1931	135216
K	418m W	Tanks	1891	148395
K	418m W	Tanks	1931	106871
J	418m N	Tanks	1931	106882
K	418m W	Tanks	1931	139327
A	420m S	Unspecified Tank	1891	147647
K	420m W	Unspecified Tank	1891	116033
X	423m NE	Unspecified Tank	1949	137732
X	423m NE	Unspecified Tank	1970	137732
K	423m W	Tanks	1891	148519
X	423m NE	Unspecified Tank	1952	137732
X	423m NE	Unspecified Tank	1949	137732
K	424m W	Tanks	1931	106872
B	424m NE	Unspecified Tank	1990	135179
X	424m NE	Unspecified Tank	1979	137732
B	425m NE	Unspecified Tank	1995	131728
B	426m NE	Unspecified Tank	1979	131728
K	426m W	Tanks	1931	149145
K	426m W	Tanks	1931	145673
K	426m W	Unspecified Tank	1949	141310
K	426m W	Unspecified Tank	1891	144380
D	427m S	Unspecified Tank	1948	116053
K	427m W	Unspecified Tank	1952	141310
K	427m W	Unspecified Tank	1948	141310
H	427m SE	Unspecified Tank	1931	116091
D	428m SW	Unspecified Tank	1958	123472



ID	Location	Land Use	Date	Group ID
D	428m SW	Gasholder	1992	120429
D	428m SW	Gas Holder	1986	140988
K	428m W	Tanks	1891	138933
D	428m SW	Unspecified Tank	1948	147701
D	428m SW	Gas Holder	1989	140988
D	428m SW	Unspecified Tank	1955	147701
H	428m SE	Unspecified Tank	1908	144275
H	428m SE	Unspecified Tank	1922	144275
K	429m W	Tanks	1952	131174
K	429m W	Tanks	1948	141183
K	430m W	Unspecified Tank	1931	139907
K	430m W	Tanks	1891	106869
K	434m W	Unspecified Tank	1891	116039
A	434m S	Tanks	1948	106898
D	434m SW	Unspecified Tank	1931	148893
H	436m SE	Tanks	1958	130892
H	436m SE	Tanks	1948	130892
H	436m SE	Tanks	1955	130892
H	436m SE	Unspecified Tank	1968	116101
H	436m SE	Tanks	1949	106926
H	436m SE	Tanks	1949	130892
S	437m NE	Unspecified Tank	1931	116079
K	437m W	Unspecified Tank	1952	134249
K	437m W	Tanks	1952	145083
K	437m W	Tanks	1948	145083
K	438m W	Unspecified Tank	1891	116040
A	439m S	Unspecified Tank	1931	116099
K	440m W	Unspecified Tank	1891	144341



ID	Location	Land Use	Date	Group ID
K	440m W	Tanks	1891	136918
H	441m SE	Tanks	1908	147035
H	441m SE	Tanks	1922	147035
H	441m SE	Tanks	1931	147035
K	441m W	Tanks	1949	127382
K	441m W	Tanks	1952	128019
K	441m W	Tanks	1948	128019
K	442m W	Tanks	1952	145731
K	442m W	Tanks	1949	122597
K	442m W	Tanks	1949	122597
K	443m W	Tanks	1952	124574
K	443m W	Tanks	1931	142127
K	443m W	Tanks	1931	106867
A	444m S	Unspecified Tank	1948	116095
H	445m SE	Tanks	1949	106925
K	446m W	Tanks	1931	145778
K	446m W	Tanks	1952	130724
K	446m W	Tanks	1949	130724
K	447m W	Tanks	1952	123317
K	447m W	Tanks	1952	141690
K	447m W	Tanks	1949	141690
K	447m W	Tanks	1949	123317
H	447m SE	Tanks	1948	137971
H	447m SE	Unspecified Tank	1955	116102
A	447m S	Unspecified Tank	1948	116052
J	449m N	Tanks	1931	106883
K	449m W	Tanks	1922	139430
K	449m W	Tanks	1908	123317

ID	Location	Land Use	Date	Group ID
K	449m W	Tanks	1922	123317
K	449m W	Tanks	1949	106866
V	451m W	Unspecified Tank	1891	125043
A	451m S	Unspecified Tank	1955	140162
A	451m S	Unspecified Tank	1979	141260
A	451m S	Unspecified Tank	1958	140162
H	452m SE	Tanks	1922	148520
H	452m SE	Tanks	1931	148520
V	453m W	Unspecified Tank	1893	125043
K	455m W	Unspecified Tank	1893	116038
H	455m SE	Tanks	1949	106930
H	456m SE	Tanks	1948	132522
D	457m S	Unspecified Tank	1948	116051
J	459m N	Tanks	1922	128323
J	459m N	Tanks	1931	128323
J	459m N	Tanks	1931	106880
K	459m W	Tanks	1949	137232
D	459m S	Unspecified Tank	1908	147259
D	459m S	Unspecified Tank	1922	147259
K	460m W	Unspecified Tank	1891	116048
K	460m W	Tanks	1952	138774
K	460m W	Tanks	1952	134151
K	460m W	Tanks	1949	138774
K	461m W	Tanks	1952	130043
J	463m N	Tanks	1931	106875
A	465m S	Unspecified Tank	1891	116096
K	465m W	Tanks	1952	147025
K	467m W	Tanks	1952	133545



ID	Location	Land Use	Date	Group ID
K	467m W	Tanks	1949	133545
K	467m W	Tanks	1964	130055
K	468m W	Tanks	1952	130055
K	468m W	Tanks	1965	130055
K	468m W	Tanks	1949	130055
K	469m W	Tanks	1931	132320
K	470m W	Tanks	1908	133401
V	471m W	Tanks	1891	106837
D	473m SW	Tanks	1989	144183
D	473m SW	Tanks	1986	144183
D	473m SW	Tanks	1992	144183
K	474m W	Tanks	1952	131420
A	475m S	Tanks	1948	106896
K	476m W	Tanks	1952	131420
K	476m W	Tanks	1965	131420
K	476m W	Tanks	1949	131420
K	476m W	Tanks	1964	131420
A	476m S	Unspecified Tank	1891	116098
K	478m W	Tanks	1891	144312
V	478m W	Tanks	1891	137698
K	479m W	Tanks	1891	141301
J	479m N	Unspecified Tank	1949	116080
K	480m W	Tanks	1931	141301
J	480m N	Tanks	1931	106878
A	481m S	Unspecified Tank	1891	116097
J	481m N	Unspecified Tank	1931	140494
K	482m W	Tanks	1952	139282
K	482m W	Tanks	1949	139282



ID	Location	Land Use	Date	Group ID
V	483m W	Tanks	1891	128159
J	484m N	Unspecified Tank	1931	116083
K	484m W	Unspecified Tank	1891	116047
K	484m W	Tanks	1952	139282
K	484m W	Tanks	1949	139282
J	485m N	Unspecified Tank	1931	116073
J	485m N	Unspecified Tank	1990	136216
J	485m N	Tanks	1931	106879
V	485m W	Tanks	1891	106834
J	486m N	Unspecified Tank	1995	136216
A	487m S	Tanks	1979	106893
J	488m N	Unspecified Tank	1949	140494
J	488m N	Unspecified Tank	1970	140494
A	489m S	Tanks	1955	143974
A	489m S	Tanks	1958	143974
A	489m S	Tanks	1979	143974
J	489m N	Unspecified Tank	1922	137843
J	489m N	Unspecified Tank	1931	137843
J	489m N	Gasometer	1955	108526
J	490m N	Unspecified Tank	1931	116084
A	492m S	Tanks	1979	106890
J	494m N	Tanks	1931	106877
A	494m S	Unspecified Tank	1948	116113
A	496m S	Overhead Tanks	1948	120513
J	497m N	Unspecified Tank	1949	137843
J	497m N	Unspecified Tank	1949	137843
A	498m S	Unspecified Tank	1891	116115

This data is sourced from Ordnance Survey / Groundsure.



2.3 Historical energy features

Records within 500m

98

Energy features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on **page 36**

ID	Location	Land Use	Date	Group ID
D	162m S	Gas Works	1949	66752
D	163m S	Gas Holder Station	1991	83257
D	163m S	Gas Works	1984	71264
D	172m S	Gas Works	1970	74752
D	173m S	Gas Works	1968	74752
D	173m S	Gas Works	1952	74752
D	173m S	Gas Works	1948	74752
A	177m SE	Gas Works	1922	77534
G	180m SE	Gas Works	1984	71747
H	180m SE	Gas Works	1949	85321
H	180m SE	Gas Works	1970	85321
H	181m SE	Gas Works	1968	85321
A	183m SE	Gas Works	1908	77534
G	209m SE	Gas Holder	1984	68164
G	209m SE	Gasometer	1949	76542
G	210m SE	Gas Holder	1995	72614
G	210m SE	Gas Holder	1995	72614
G	210m SE	Gasometer	1968	75789
G	213m SE	Gasometer	1922	76542
D	213m S	Gas Works	1893	80210
D	214m S	Gas Holder Station	1995	83257
D	214m S	Gas Holder Station	1994	83257
D	225m S	Corporation Gas Works	1891	79203



ID	Location	Land Use	Date	Group ID
D	260m S	Gasometers	1893	78993
D	260m S	Gasometers	1908	78993
D	260m S	Gasometers	1922	78993
D	262m S	Gasometer	1891	59724
N	265m N	Gas Plant Iron Works	1955	66060
N	272m NW	Gas Plant Works	1931	79660
N	277m N	Gas Plant Iron Works	1949	66060
N	277m N	Gas Plant Works	1970	79660
O	285m SW	Electricity Substation	1995	74979
O	285m SW	Electricity Substation	1994	74979
O	286m SW	Electricity Substation	1991	74979
O	286m SW	Electricity Substation	1968	74990
O	286m SW	Electricity Substation	1970	74990
O	287m SW	Electricity Substation	1984	74990
K	297m W	Electricity Substation	1949	78253
K	297m W	Electricity Substation	1970	78253
K	297m W	Electricity Substation	1995	78253
K	297m W	Electricity Substation	1994	78253
K	297m W	Electricity Substation	1968	78253
K	297m W	Electricity Substation	1952	78253
K	297m W	Electricity Substation	1948	78253
K	299m W	Electricity Substation	1984	69820
K	299m W	Electricity Substation	1991	69820
D	305m S	Gasometer	1891	59723
A	312m S	Gas Works	1948	85321
D	312m S	Gas Works	1979	64728
A	316m S	Gas Works	1948	85321
K	324m NW	Electricity Substation	1995	68028



ID	Location	Land Use	Date	Group ID
K	324m NW	Electricity Substation	1995	68028
K	326m NW	Electricity Substation	1990	68028
K	326m NW	Electricity Substation	1991	68028
D	329m S	Gas Holder Station	1992	79718
Q	333m NE	Electricity Substation	1990	70505
Q	334m NE	Electricity Substation	1979	67258
Q	334m NE	Electricity Substation	1995	67258
D	335m S	Gas Holder Station	1986	65294
D	335m S	Gas Holder Station	1989	65294
D	336m S	Gasometer	1891	59722
N	338m N	Electricity Substation	1955	65838
N	338m N	Electricity Substation	1971	65838
N	338m N	Electricity Substation	1984	65838
N	338m N	Electricity Substation	1990	65838
N	338m N	Electricity Substation	1991	65838
N	338m N	Electricity Substation	1970	73742
N	339m N	Electricity Substation	1995	73742
N	339m N	Electricity Substation	1995	73742
R	343m NW	Gas Plant Iron Works	1931	85136
R	346m NW	Gas Plant Iron Works	1949	79157
R	346m NW	Gas Plant Works	1970	63814
R	347m NW	Gas Plant Iron Works	1955	77109
D	362m SW	Gas Holder	1989	77108
D	362m SW	Gasometers	1979	63338
D	363m SW	Gas Holder	1986	77108
D	363m SW	Gasholder	1992	63416
D	369m SW	Gasometer	1908	70420
D	369m SW	Gasometer	1922	70420

ID	Location	Land Use	Date	Group ID
A	389m S	Gas Works	1891	73418
D	396m S	Corporation Gas Works	1891	79203
S	417m NE	Electricity Substation	1990	64884
S	418m NE	Electricity Substation	1995	64884
D	428m SW	Gasholder	1992	63417
D	428m SW	Gas Holder	1986	74103
D	428m SW	Gas Holder	1989	74103
Z	430m SW	Electricity Substation	1995	82234
Z	430m SW	Electricity Substation	1994	82234
Z	430m SW	Electricity Substation	1984	82234
Z	430m SW	Electricity Substation	1991	82234
Z	430m SW	Electricity Substation	1968	82234
Z	430m SW	Electricity Substation	1970	82234
T	463m E	Electricity Substation	1995	79352
T	463m E	Electricity Substation	1995	79352
K	464m W	Gas Governor	1981	63605
T	471m E	Electricity Substation	1984	62202
T	472m E	Electricity Transformer	1968	63772
J	489m N	Gasometer	1955	59719

This data is sourced from Ordnance Survey / Groundsure.

2.4 Historical petrol stations

Records within 500m

0

Petrol stations digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

This data is sourced from Ordnance Survey / Groundsure.



2.5 Historical garages

Records within 500m

6

Garages digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

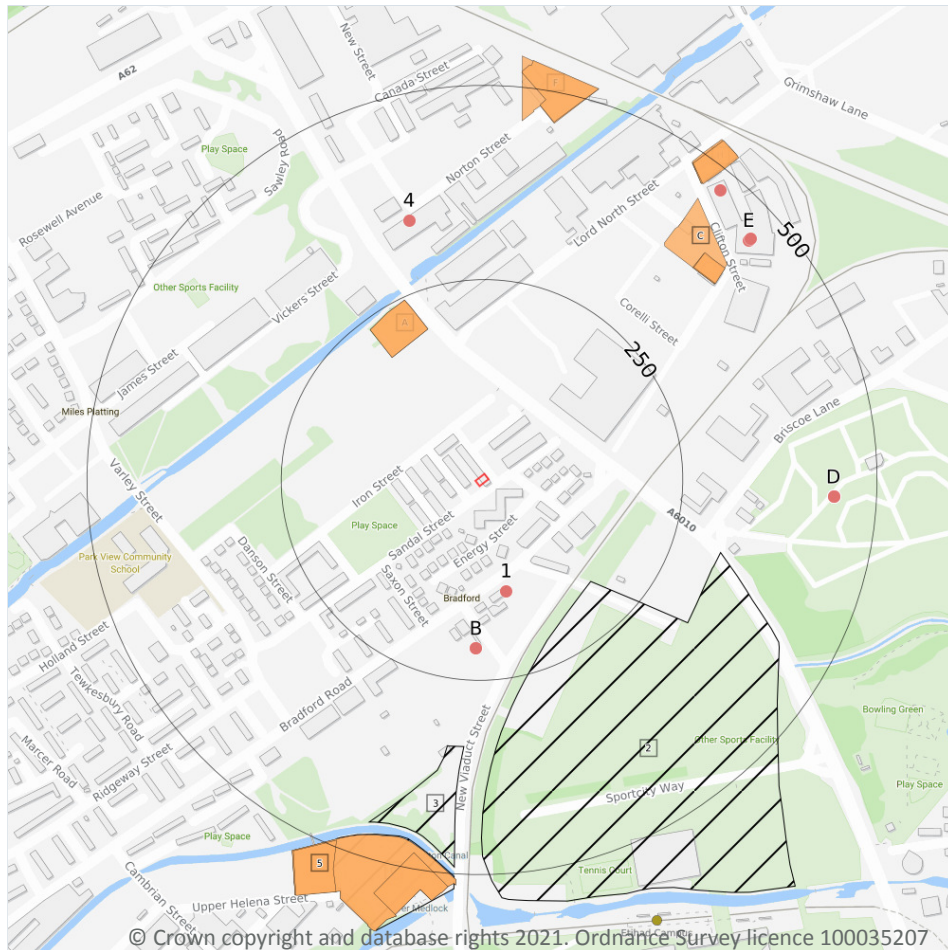
Features are displayed on the Past land use - un-grouped map on **page 36**

ID	Location	Land Use	Date	Group ID
M	257m E	Garage	1984	21414
M	257m E	Garage	1995	25834
M	257m E	Garage	1995	25834
M	281m E	Garage	1970	27654
M	282m E	Garage	1968	27654
B	412m NE	Wagon Repair Works	1931	20543

This data is sourced from Ordnance Survey / Groundsure.



3 Waste and landfill



- Site Outline
- Search buffers in metres (m)
- Historical landfill (EA/NRW)
- Historical waste sites
- Waste exemptions

3.1 Active or recent landfill

Records within 500m

0

Active or recently closed landfill sites under Environment Agency/Natural Resources Wales regulation.

This data is sourced from the Environment Agency and Natural Resources Wales.

3.2 Historical landfill (BGS records)

Records within 500m

0

Landfill sites identified on a survey carried out on behalf of the DoE in 1973. These sites may have been closed or operational at this time.

This data is sourced from the British Geological Survey.



3.3 Historical landfill (LA/mapping records)

Records within 500m

0

Landfill sites identified from Local Authority records and high detail historical mapping.

This data is sourced from the Ordnance Survey/Groundsure and Local Authority records.

3.4 Historical landfill (EA/NRW records)

Records within 500m

3

Known historical (closed) landfill sites (e.g. sites where there is no PPC permit or waste management licence currently in force). This includes sites that existed before the waste licensing regime and sites that have been licensed in the past but where a licence has been revoked, ceased to exist or surrendered and a certificate of completion has been issued.

Features are displayed on the Waste and landfill map on **page 69**

ID	Location	Details		
2	186m SE	Site Address: Bradford Road Works, Bradeley Hall Road, Haslington, Crewe, Cheshire Licence Holder Address: Welman House, Altrincham, Cheshire	Waste Licence: Yes Site Reference: RD/LIC/180/79, GDO F058, 0381 Waste Type: Inert, Industrial, Special Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 07/12/1979 Licence Surrender: 14/12/1983	Operator: - Licence Holder: North West Gas First Recorded 07/12/1979 Last Recorded: 01/12/1983
3	335m S	Site Address: New Viaduct Street, Greater Manchester Licence Holder Address: -	Waste Licence: - Site Reference: F045 Waste Type: - Environmental Permitting Regulations (Waste) Reference: - Licence Issue: - Licence Surrender: -	Operator: - Licence Holder: - First Recorded - Last Recorded: -
G	461m S	Site Address: Bradford Road - Cambrian Street Depot, Greater Manchester Licence Holder Address: -	Waste Licence: Yes Site Reference: F044, RD/LIC/381/84 Waste Type: Inert Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 10/10/1985 Licence Surrender: 09/03/1993	Operator: - Licence Holder: Regional Surveyore (North West Gas) First Recorded 31/12/1985 Last Recorded: 31/12/1990

This data is sourced from the Environment Agency and Natural Resources Wales.

3.5 Historical waste sites

Records within 500m

14

Waste site records derived from Local Authority planning records and high detail historical mapping. Features are displayed on the Waste and landfill map on **page 69**

ID	Location	Address	Further Details	Date
A	191m NW	Site Address: N/A	Type of Site: Waste & c. Mills Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1908
A	191m NW	Site Address: N/A	Type of Site: Waste & c. Mills Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1922
C	373m NE	Site Address: N/A	Type of Site: Scrap Metal Works Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1970
C	377m NE	Site Address: N/A	Type of Site: Scrap Metal Works Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1952
C	378m NE	Site Address: N/A	Type of Site: Scrap Metal Works Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1979
F	456m N	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1989
F	461m N	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1995



ID	Location	Address	Further Details	Date
G	463m S	Site Address: N/A	Type of Site: Corporation Refuse Destructor Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1948
G	463m S	Site Address: N/A	Type of Site: Refuse Destructor Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1955
H	466m NE	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1989
H	466m NE	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1995
H	467m NE	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1979
G	479m S	Site Address: N/A	Type of Site: Refuse Destructor Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1958
5	491m S	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1986

This data is sourced from Ordnance Survey/Groundsure and Local Authority records.



3.6 Licensed waste sites

Records within 500m

0

Active or recently closed waste sites under Environment Agency/Natural Resources Wales regulation.

This data is sourced from the Environment Agency and Natural Resources Wales.

3.7 Waste exemptions

Records within 500m

28

Activities involving the storage, treatment, use or disposal of waste that are exempt from needing a permit. Exemptions have specific limits and conditions that must be adhered to.

Features are displayed on the Waste and landfill map on **page 69**

ID	Location	Site	Reference	Category	Sub-Category	Description
1	140m S	manchester storage barking street manchester manchester m40 7bt	EPR/JF0204W B/A001	Storing waste exemption	Non- Agricultural Waste Only	Storage of waste in a secure place
B	210m S	Apartment 10 7 Stillwater Drive Manchester Manchester M11 4TG	EPR/QF0301VL /A001	Storing waste exemption	Non- Agricultural Waste Only	Storage of waste in secure containers
B	210m S	Apartment 10 7 Stillwater Drive Manchester Manchester M11 4TG	EPR/QF0301VL /A001	Storing waste exemption	Non- Agricultural Waste Only	Storage of waste in a secure place
4	340m N	Withers & Bolton Hulme Hall Lane MANCHESTER M40 8YD	EPR/AE5784N M/A001	Storing waste exemption	Non- Agricultural Waste Only	Storage of waste in a secure place
D	444m E	Eastover Farm Abbotts Ann Hampshire SP11 7BT	EPR/NE5184M M/A001	Storing waste exemption	Agricultural Waste Only	Storage of waste in secure containers
D	444m E	Eastover Farm Abbotts Ann Hampshire SP11 7BT	EPR/NE5184M M/A001	Treating waste exemption	Agricultural Waste Only	Cleaning, washing, spraying or coating relevant waste
D	444m E	Eastover Farm Abbotts Ann Hampshire SP11 7BT	EPR/NE5184M M/A001	Using waste exemption	Agricultural Waste Only	Spreading of plant matter to confer benefit
D	444m E	Eastover Farm Abbotts Ann Hampshire SP11 7BT	EPR/NE5184M M/A001	Using waste exemption	Agricultural Waste Only	Incorporation of ash into soil
D	444m E	Eastover Farm Abbotts Ann Hampshire SP11 7BT	EPR/NE5184M M/A001	Disposing of waste exemption	Both agricultural and non- agricultural waste	Burning waste in the open



ID	Location	Site	Reference	Category	Sub-Category	Description
D	444m E	Eastover Farm Abbotts Ann Hampshire SP11 7BT	EPR/NE5184M M/A001	Storing waste exemption	Both agricultural and non-agricultural waste	Storage of waste in a secure place
D	444m E	Eastover Farm Abbotts Ann Hampshire SP11 7BT	EPR/NE5184M M/A001	Treating waste exemption	Both agricultural and non-agricultural waste	Screening and blending of waste
D	444m E	Eastover Farm Abbotts Ann Hampshire SP11 7BT	EPR/NE5184M M/A001	Treating waste exemption	Both agricultural and non-agricultural waste	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
D	444m E	Eastover Farm Abbotts Ann Hampshire SP11 7BT	EPR/NE5184M M/A001	Using waste exemption	Both agricultural and non-agricultural waste	Use of waste in construction
D	444m E	Eastover Farm Abbotts Ann Hampshire SP11 7BT	EPR/NE5184M M/A001	Using waste exemption	Both agricultural and non-agricultural waste	Spreading waste on agricultural land to confer benefit
D	444m E	Eastover Farm Abbotts Ann Hampshire SP11 7BT	EPR/NE5184M M/A001	Using waste exemption	Both agricultural and non-agricultural waste	Use of mulch
D	444m E	Eastover Farm Abbotts Ann Hampshire SP11 7BT	EPR/NE5184M M/A001	Using waste exemption	Both agricultural and non-agricultural waste	Use of waste for a specified purpose
D	444m E	Eastover Farm Abbotts Ann Hampshire SP11 7BT	EPR/NE5184M M/A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of sludge
D	444m E	Arkady Industrial Estate Briscoe Lane MANCHESTER M40 2XG	EPR/NE5984M D/A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of waste in a secure place
D	444m E	Arkady Industrial Estate Briscoe Lane MANCHESTER M40 2XG	EPR/NE5984M D/A001	Treating waste exemption	Non-Agricultural Waste Only	Sorting mixed waste

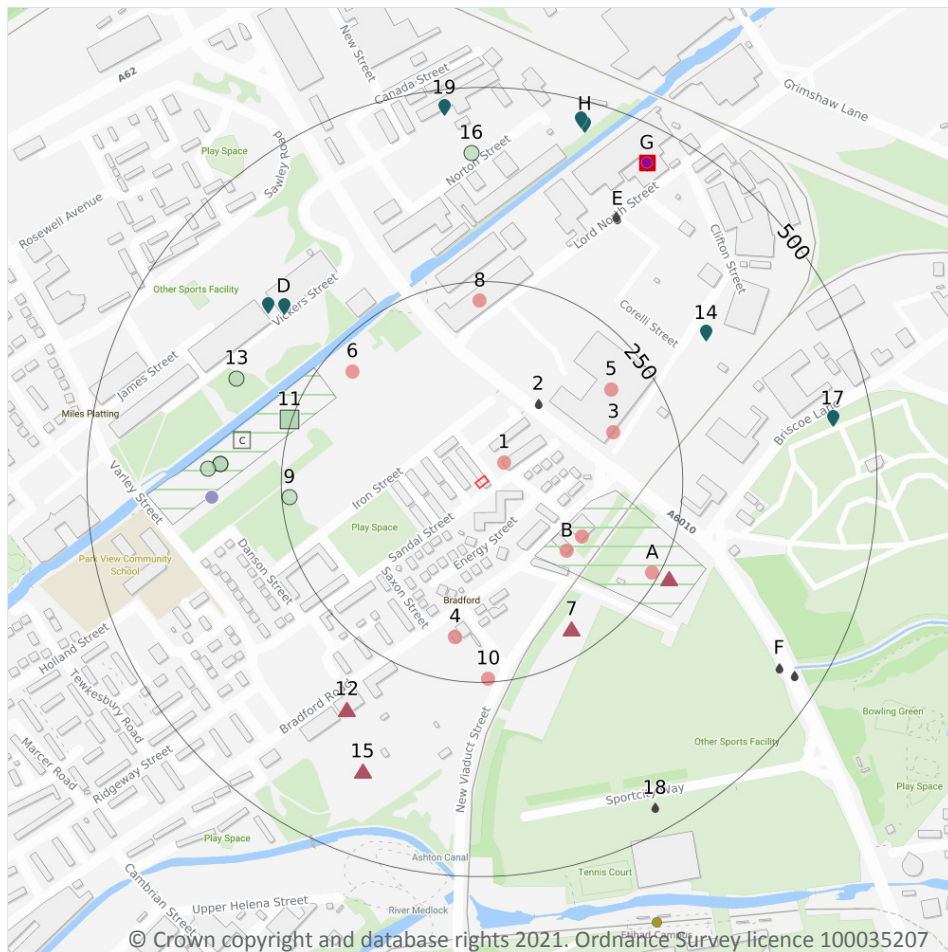


ID	Location	Site	Reference	Category	Sub-Category	Description
D	444m E	Arkady Industrial Estate Briscoe Lane MANCHESTER M40 2XG	EPR/NE5984M D/A001	Treating waste exemption	Non- Agricultural Waste Only	Manual treatment of waste
D	444m E	Arkady Industrial Estate Briscoe Lane MANCHESTER M40 2XG	EPR/NE5984M D/A001	Treating waste exemption	Non- Agricultural Waste Only	Preparatory treatments (baling, sorting, shredding etc)
D	444m E	Arkady Industrial Estate Briscoe Lane MANCHESTER M40 2XG	EPR/NE5984M D/A001	Treating waste exemption	Non- Agricultural Waste Only	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
D	444m E	Arkady Industrial Estate Briscoe Lane MANCHESTER M40 2XG	EPR/NE5984M D/A001	Treating waste exemption	Non- Agricultural Waste Only	Recovery of scrap metal
D	444m E	Arkady Industrial Estate Briscoe Lane MANCHESTER M40 2XG	EPR/NE5984M D/A001	Using waste exemption	Non- Agricultural Waste Only	Use of sludge for the purposes of re-seeding a waste water treatment plant
D	444m E	Arkady Industrial Estate Briscoe Lane MANCHESTER M40 2XG	EPR/NE5984M D/A001	Using waste exemption	Non- Agricultural Waste Only	Use of waste for a specified purpose
E	453m NE	Victoria Works, Clifton Street manchester Lancashire M40 8HN	EPR/FF0109H N/A001	Storing waste exemption	Non- Agricultural Waste Only	Storage of waste in a secure place
E	456m NE	VICTORIA WORKS CLIFTON STREET MANCHESTER LANCHISHIRE M40 8HN	EPR/NF0905W Y/A001	Storing waste exemption	Both agricultural and non- agricultural waste	Storage of waste in a secure place
H	474m NE	VICTORIA WORKS, CLIFTON STREET, MANCHESTER, M408HN	WEX122371	Storing waste exemption	Not on a farm	Storage of waste in a secure place

This data is sourced from the Environment Agency and Natural Resources Wales.



4 Current industrial land use



- Site Outline
- Search buffers in metres (m)
- Recent industrial land uses
- Control of Major Accident Hazards
- ▲ Hazardous substance storage/usage
- Historical licensed industrial activities
- Part A(1) industrial activities
- Licensed pollutant release (Part A(2)/B)
- Licensed Discharges to controlled waters
- List 1 Dangerous Substances
- List 2 Dangerous Substances
- Pollution Incidents (EA/NRW)
- Pollution inventory waste transfers

4.1 Recent industrial land uses

Records within 250m

10

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on **page 76**

ID	Location	Company	Address	Activity	Category
1	31m NE	J B S Balers	267, Sandal Street, Manchester, Greater Manchester, M40 7BB	Recycling, Reclamation and Disposal	Recycling Services
B	135m SE	J F M Plates Ltd	250-252, BRADFORD ROAD, Manchester, Greater Manchester, M40 7BT	Plate Makers, Print Finishers and Type Setters	IT, Advertising, Marketing and Media Services



ID	Location	Company	Address	Activity	Category
B	140m SE	Bradford Road Car Sales	256, Bradford Road, Manchester, Greater Manchester, M40 7BT	Secondhand Vehicles	Motoring
3	173m E	Electricity Sub Station	Greater Manchester, M40	Electrical Features	Infrastructure and Facilities
4	194m S	F Dunn & Sons	222a, Bradford Road, Manchester, Greater Manchester, M40 7BT	Vehicle Repair, Testing and Servicing	Repair and Servicing
5	197m NE	I B C O Ltd	Lord North Street, Manchester, Greater Manchester, M40 8AD	Catering and Non Specific Food Products	Foodstuffs
6	214m NW	Tanks	Greater Manchester, M40	Tanks (Generic)	Industrial Features
8	226m N	Permanoid Ltd	107, Hulme Hall Lane, Manchester, Greater Manchester, M40 8HH	Cable, Wire and Fibre Optics	Industrial Products
A	241m SE	Gas Holder	Greater Manchester, M40	Gas Features	Infrastructure and Facilities
10	245m S	Mast	Greater Manchester, M40	Telecommunications Features	Infrastructure and Facilities

This data is sourced from Ordnance Survey.

4.2 Current or recent petrol stations

Records within 500m

0

Open, closed, under development and obsolete petrol stations.

This data is sourced from Experian.

4.3 Electricity cables

Records within 500m

0

High voltage underground electricity transmission cables.

This data is sourced from National Grid.



4.4 Gas pipelines

Records within 500m

0

High pressure underground gas transmission pipelines.

This data is sourced from National Grid.

4.5 Sites determined as Contaminated Land

Records within 500m

0

Contaminated Land Register of sites designated under Part 2a of the Environmental Protection Act 1990.

This data is sourced from Local Authority records.

4.6 Control of Major Accident Hazards (COMAH)

Records within 500m

2

Control of Major Accident Hazards (COMAH) sites. This data includes upper and lower tier sites, and includes a historical archive of COMAH sites and Notification of Installations Handling Hazardous Substances (NIHHS) records.

Features are displayed on the Current industrial land use map on **page 76**

ID	Location	Company	Address	Operational status	Tier
A	110m SE	British Gas	British Gas, Bradford Road Holder Station, Bradford Road, Miles Platting, M10 7BL	Historical COMAH Site	-
C	210m NW	Degussa Ltd	Degussa Ltd, Coleshill Street, Miles Platting, M10 7AA	Historical COMAH Site	-

This data is sourced from the Health and Safety Executive.

4.7 Regulated explosive sites

Records within 500m

0

Sites registered and licensed by the Health and Safety Executive under the Manufacture and Storage of Explosives Regulations 2005 (MSER). The last update to this data was in April 2011.

This data is sourced from the Health and Safety Executive.

4.8 Hazardous substance storage/usage

Records within 500m

4

Consents granted for a site to hold certain quantities of hazardous substances at or above defined limits in accordance with the Planning (Hazardous Substances) Regulations 2015.

Features are displayed on the Current industrial land use map on **page 76**

ID	Location	Details	
7	216m SE	Application reference number: 059226/HSC/NORTH2/00 Application status: Historical Consent Application date: 11/07/2000 Address: Land Bounded By Alan Turing Way & New Viaduct Street, Bradford	Details: Continuation Of Hazardous Substances Consent For Storage Of Gas Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
A	263m SE	Application reference number: 000001/HSC/NORTH2/92 Application status: Historical Consent Application date: 01/10/1992 Address: National Grid Gas PLC, Bradford Road Holder Station (East), Bradford Road, Miles Platting, Manchester, Greater Manchester, England, M40 7BN	Details: Storage of low pressure gas. Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
12	332m SW	Application reference number: No Details Application status: Historical Consent Application date: No Details Address: National Grid Gas PLC, Bradford Road Holder Station (West), Bradford Road, Miles Platting, Manchester, Greater Manchester, England, M40 7AS	Details: No Details Enforcement: No Details Date of enforcement: No Details Comment: No Details
15	394m S	Application reference number: 059225/HSC/NORTH2/00 Application status: Historical Consent Application date: 11/05/2000 Address: Land At Gleden Street, Bradford, WF17 6HY	Details: Continuation Of Hazardous Substances Consent For Storage Of Gas Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified

This data is sourced from Local Authority records.

4.9 Historical licensed industrial activities (IPC)

Records within 500m

2

Integrated Pollution Control (IPC) records of substance releases to air, land and water. This data represents a historical archive as the IPC regime has been superseded.

Features are displayed on the Current industrial land use map on **page 76**



ID	Location	Details	
C	340m W	Operator: Degussa Ltd Address: Manox House, Coleshill Street, Manchester, Greater Manchester, M40 7AA Process: Inorganic Chemical Processes Permit Number: AO1292	Original Permit Number: IPCAPP Date Approved: 31-1-1995 Effective Date: 6-2-1995 Status: Superseded By Variation
C	340m W	Operator: Degussa Ltd Address: Manox House, Coleshill Street, Manchester, Greater Manchester, M40 7AA Process: Inorganic Chemical Processes Permit Number: BC9682	Original Permit Number: IPCMINVAR Date Approved: 24-11-1998 Effective Date: 30-11-1998 Status: Revoked

This data is sourced from the Environment Agency and Natural Resources Wales.

4.10 Licensed industrial activities (Part A(1))

Records within 500m

2

Records of Part A(1) installations regulated under the Environmental Permitting (England and Wales) Regulations 2016 for the release of substances to the environment.

Features are displayed on the Current industrial land use map on **page 76**

ID	Location	Details	
G	453m NE	Operator: PRINCES LTD Installation Name: MANCHESTER SOFT DRINKS - EPR/TP3832PN Process: ANIMAL VEGETABLE AND FOOD; TREATING ETC VEGETABLE RAW MATERIALS FOR FOOD >300T/D Permit Number: CP3138CX Original Permit Number: TP3832PN	EPR Reference: - Issue Date: 11/07/2012 Effective Date: 11/07/2012 Last date noted as effective: 01/07/2021 Status: EFFECTIVE
G	453m NE	Operator: PRINCES LTD Installation Name: MANCHESTER DRINKS MANUFACTURER Process: ANIMAL VEGETABLE AND FOOD; TREATING ETC VEGETABLE RAW MATERIALS FOR FOOD >300T/D Permit Number: TP3832PN Original Permit Number: TP3832PN	EPR Reference: - Issue Date: 13/10/2005 Effective Date: 13/10/2005 Last date noted as effective: 01/07/2021 Status: SUPERCEDED

This data is sourced from the Environment Agency and Natural Resources Wales.



4.11 Licensed pollutant release (Part A(2)/B)

Records within 500m

7

Records of Part A(2) and Part B installations regulated under the Environmental Permitting (England and Wales) Regulations 2016 for the release of substances to the environment.

Features are displayed on the Current industrial land use map on **page 76**

ID	Location	Address	Details	
D	335m NW	Duo Plastics, Vickers Street, Miles Platting M10 8FA	Process: Printing Status: Current Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
14	338m NE	Trafford Rubber Product Ltd, North Mnadchester Site, 55 Clifton Street, Miles Platting, M10 8HF	Process: Rubber Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
D	351m NW	Duo Plastics Ltd, Vickers Street, Miles Platting, M10 8FA	Process: Printing Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
17	449m E	North Manchester Commercials, Briscoe Lane, M40 2NL	Process: Respraying of Road Vehicles Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
H	470m N	Pioneer Concrete Ltd, Norton St, M40 8HD	Process: Use of Bulk Cement Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
H	474m N	Hanson Aggregates (Formerly Hanson Premix), Norton Street, Miles Platting, M10 8HD	Process: Use of Bulk Cement Status: Current Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
19	476m N	Manchester Cabins Ltd, Harden Wks, Oldham Rd, M40 8AG	Process: Di-isocyanate Processes Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified

This data is sourced from Local Authority records.



4.12 Radioactive Substance Authorisations

Records within 500m

0

Records of the storage, use, accumulation and disposal of radioactive substances regulated under the Radioactive Substances Act 1993.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.13 Licensed Discharges to controlled waters

Records within 500m

9

Discharges of treated or untreated effluent to controlled waters under the Water Resources Act 1991.

Features are displayed on the Current industrial land use map on **page 76**

ID	Location	Address	Details	
2	115m NE	HULME HALL LANE OPP FALMO, MANCHESTER	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0260 Permit Version: 1 Receiving Water: SHOOTERS BROOK	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: - Effective Date: 01/01/1995 Revocation Date: -
E	372m NE	LORD NORTH STREET/CLIFTON ST CSO, LORD NORTH STREET/CLIFTON ST JNC, MANCHESTER, GREATER MANCHESTER, M40 2HJ	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0069 Permit Version: 5 Receiving Water: SHOOTERS BROOK	Status: VARIED UNDER EPR 2010 Issue date: 20/11/2019 Effective Date: 20/11/2019 Revocation Date: -
E	373m NE	LORD NORTH STREET/CLIFTON ST CSO, LORD NORTH STREET/CLIFTON ST JNC, MANCHESTER, GREATER MANCHESTER, M40 2HJ	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0069 Permit Version: 1 Receiving Water: SHOOTERS BROOK	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: - Effective Date: 01/01/1995 Revocation Date: 13/04/2009
E	373m NE	LORD NORTH STREET/CLIFTON ST CSO, LORD NORTH STREET/CLIFTON ST JNC, MANCHESTER, GREATER MANCHESTER, M40 2HJ	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0069 Permit Version: 2 Receiving Water: SHOOTERS BROOK	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: 14/04/2009 Effective Date: 14/04/2009 Revocation Date: 02/09/2010



ID	Location	Address	Details	
E	373m NE	LORD NORTH STREET/CLIFTON ST CSO, LORD NORTH STREET/CLIFTON ST JNC, MANCHESTER, GREATER MANCHESTER, M40 2HJ	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0069 Permit Version: 3 Receiving Water: SHOOTERS BROOK	Status: VARIED UNDER EPR 2010 Issue date: 03/09/2010 Effective Date: 03/09/2010 Revocation Date: 04/02/2016
E	373m NE	LORD NORTH STREET/CLIFTON ST CSO, LORD NORTH STREET/CLIFTON ST JNC, MANCHESTER, GREATER MANCHESTER, M40 2HJ	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0069 Permit Version: 4 Receiving Water: SHOOTERS BROOK	Status: VARIED UNDER EPR 2010 Issue date: 05/02/2016 Effective Date: 05/02/2016 Revocation Date: 19/11/2019
F	444m SE	MILL ST/FORGE LANE, MANCHESTER	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0099 Permit Version: 1 Receiving Water: RIVER MEDLOCK	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: - Effective Date: 01/01/1995 Revocation Date: 26/08/1999
F	466m SE	MILL ST AT PARK INN, MANCHESTER	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0100 Permit Version: 1 Receiving Water: RIVER MEDLOCK	Status: REVOKED - UNSPECIFIED Issue date: - Effective Date: 01/01/1995 Revocation Date: 18/07/1995
18	469m SE	BRADFORD RD GAS WORKS, OPPOSITE ELM STREET, BRADFORD, MANCHESTER, GREATER MANCHESTER	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 016982626 Permit Version: 1 Receiving Water: RIVER MEDLOCK	Status: CONSENT REVOKED - DISCHARGE CEASED (WRA 91, SCHED 10 & 6) Issue date: - Effective Date: 30/09/1994 Revocation Date: 02/10/1998

This data is sourced from the Environment Agency and Natural Resources Wales.

4.14 Pollutant release to surface waters (Red List)

Records within 500m

0

Discharges of specified substances under the Environmental Protection (Prescribed Processes and Substances) Regulations 1991.

This data is sourced from the Environment Agency and Natural Resources Wales.



4.15 Pollutant release to public sewer

Records within 500m

0

Discharges of Special Category Effluents to the public sewer.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.16 List 1 Dangerous Substances

Records within 500m

1

Discharges of substances identified on List I of European Directive E 2006/11/EC, and regulated under the Environmental Damage (Prevention and Remediation) Regulations 2015.

Features are displayed on the Current industrial land use map on **page 76**

ID	Location	Name	Status	Receiving Water	Authorised Substances
G	454m NE	Manchester Soft Drink	Active	Manchester Ship Canal	Mercury (other)

This data is sourced from the Environment Agency and Natural Resources Wales.

4.17 List 2 Dangerous Substances

Records within 500m

1

Discharges of substances identified on List II of European Directive E 2006/11/EC, and regulated under the Environmental Damage (Prevention and Remediation) Regulations 2015.

Features are displayed on the Current industrial land use map on **page 76**

ID	Location	Name	Status	Receiving Water	Authorised Substances
11	253m W	Degussa Ltd, Manox House, Coleshill Street	Not Active	-	Cyanide

This data is sourced from the Environment Agency and Natural Resources Wales.

4.18 Pollution Incidents (EA/NRW)

Records within 500m

6

Records of substantiated pollution incidents. Since 2006 this data has only included category 1 (major) and 2 (significant) pollution incidents.

Features are displayed on the Current industrial land use map on **page 76**

ID	Location	Details	
9	240m W	Incident Date: 20/02/2002 Incident Identification: 67095 Pollutant: Organic Chemicals/Products Pollutant Description: Surfactants and Detergents	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
C	329m W	Incident Date: 03/10/2001 Incident Identification: 34438 Pollutant: Organic Chemicals/Products Pollutant Description: Surfactants and Detergents	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
C	329m W	Incident Date: 03/10/2001 Incident Identification: 34438 Pollutant: Organic Chemicals/Products Pollutant Description: Surfactants and Detergents	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
13	335m NW	Incident Date: 18/09/2003 Incident Identification: 190845 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)
C	345m W	Incident Date: 16/03/2001 Incident Identification: 425 Pollutant: Organic Chemicals/Products Pollutant Description: Surfactants and Detergents	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
16	415m N	Incident Date: 07/04/2003 Incident Identification: 149121 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Smoke	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)

This data is sourced from the Environment Agency and Natural Resources Wales.

4.19 Pollution inventory substances

Records within 500m	0
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The pollution inventory (substances) includes reporting on annual emissions of certain regulated substances to air, controlled waters and land. A reporting threshold for each substance is also included. Where emissions fall below the reporting threshold, no value will be given. The data is given for the most recent complete year available.

This data is sourced from the Environment Agency and the Scottish Environment Protection Agency.



4.20 Pollution inventory waste transfers

Records within 500m

1

The pollution inventory (waste transfers) includes reporting on annual transfers and recovery/disposal of controlled wastes from a site. A reporting threshold for each waste type is also included. Where releases fall below the reporting threshold, no value will be given. The data is given for the most recent complete year available.

Features are displayed on the Current industrial land use map on **page 76**

ID: G, Location: 454m NE, Permit: TP3832PN
 Operator: Princes Ltd
 Activity: TREATMENT AND PROCESSING (OTHER THAN PACKAGING) OF ONLY VEGETABLE RAW MATERIALS WITH A FINISHED PRODUCT CAPACITY > 300 T/D (OR 600 T/D FOR OPERATIONS LESS THAN 90 CONSECUTIVE DAYS IN ANY YEAR_
 Address: Princes Soft Drinks Lord North Street Manchester Greater Manchester M40 2HJ
 Sector: Food & Drink, Sub-sector: Food & Drink
 Releases:

Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D10	Incineration on Land	1064	Absolute Value	02 07 04	materials unsuitable for consumption or processing	No
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	142.6	Absolute Value	15 01 03	wooden packaging	No
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	140.4	Absolute Value	15 01 06	mixed packaging	No
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	175	Absolute Value	20 01 01	paper and cardboard	No
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	2.5	Absolute Value	20 01 39	plastics	No
R4	Recycling/reclamation of metals and metal compounds	117.8	Absolute Value	20 01 40	metals	No



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
R1	Use principally as a fuel or other means to generate energy	243.4	Absolute Value	20 03 01	mixed municipal waste	No

This data is sourced from the Environment Agency and the Scottish Environment Protection Agency.

4.21 Pollution inventory radioactive waste

Records within 500m

0

The pollution inventory (radioactive wastes) includes reporting on annual releases of radioactive substances from a site, including the means of release. Where releases fall below the reporting threshold, no value will be given. The data is given for the most recent complete year available.

This data is sourced from the Environment Agency and the Scottish Environment Protection Agency.



5 Hydrogeology - Superficial aquifer



- Site Outline
- Search buffers in metres (m)
- Principal
 - Secondary A
 - Secondary B
 - Secondary Undifferentiated
 - Unproductive
 - Unknown

5.1 Superficial aquifer

Records within 500m

1

Aquifer status of groundwater held within superficial geology.

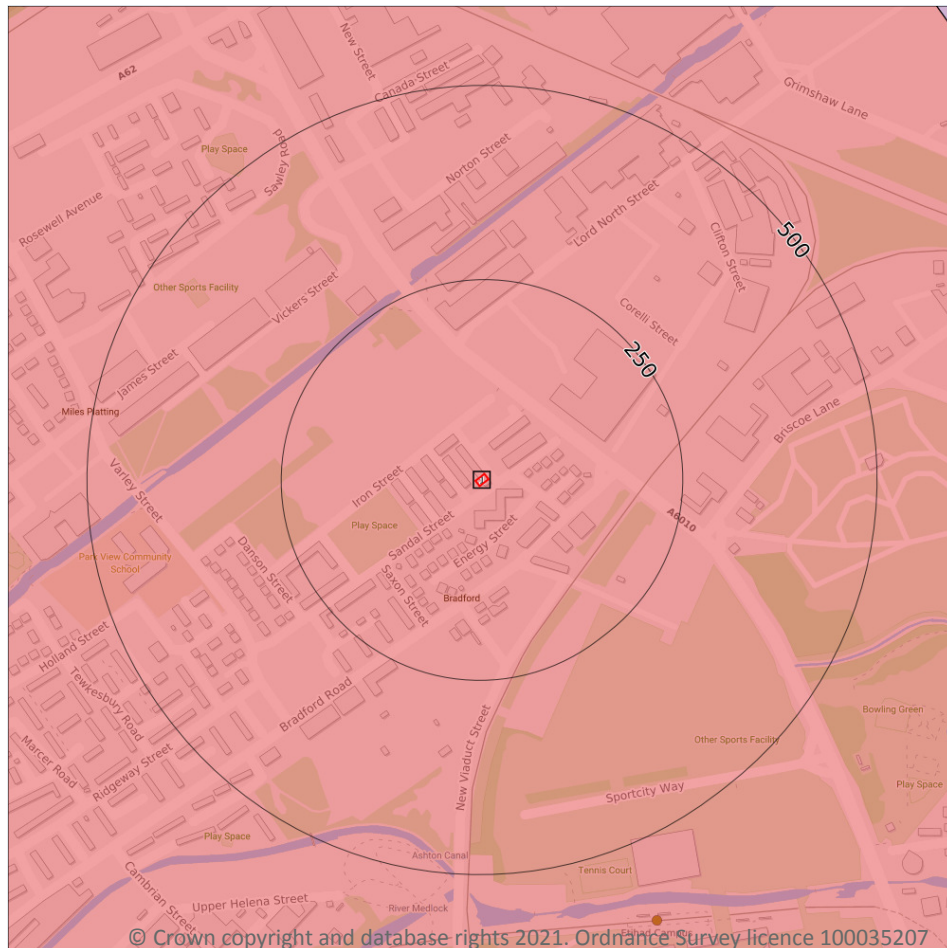
Features are displayed on the Hydrogeology map on **page 88**

ID	Location	Designation	Description
1	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

This data is sourced from the British Geological Survey, the Environment Agency and Natural Resources Wales.



Bedrock aquifer



- Site Outline
- Search buffers in metres (m)
- Principal
 - Secondary A
 - Secondary B
 - Secondary Undifferentiated
 - Unproductive

5.2 Bedrock aquifer

Records within 500m

1

Aquifer status of groundwater held within bedrock geology.

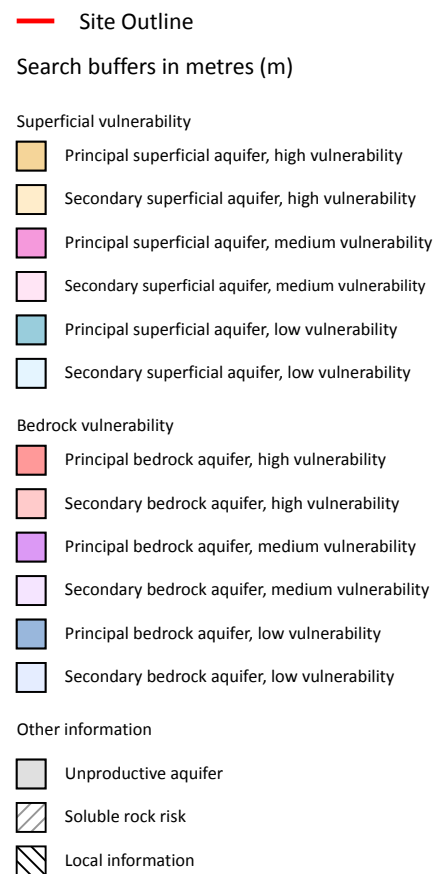
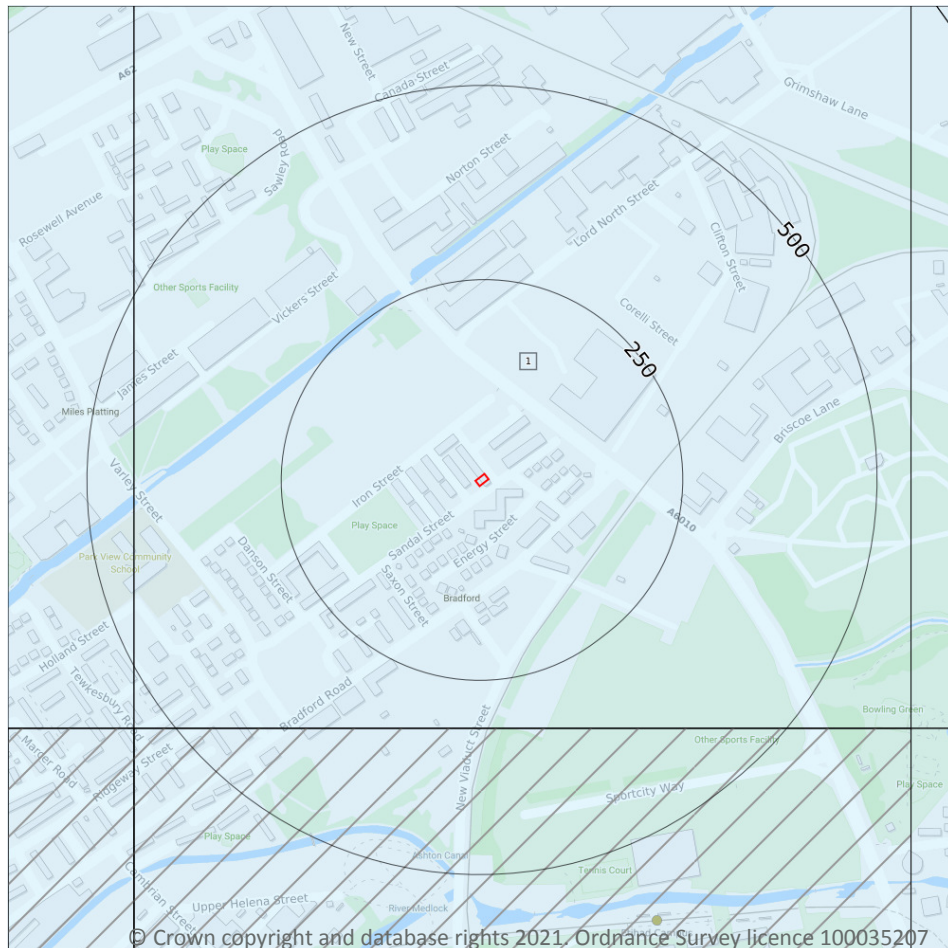
Features are displayed on the Bedrock aquifer map on **page 89**

ID	Location	Designation	Description
1	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

This data is sourced from the British Geological Survey, the Environment Agency and Natural Resources Wales.



Groundwater vulnerability



5.3 Groundwater vulnerability

Records within 50m

1

An assessment of the vulnerability of groundwater to a pollutant discharged at ground level based on the hydrological, geological, hydrogeological and soil properties within a one kilometre square grid. Groundwater vulnerability is described as High, Medium or Low as follows:

- High - Areas able to easily transmit pollution to groundwater. They are likely to be characterised by high leaching soils and the absence of low permeability superficial deposits.
- Medium - Intermediate between high and low vulnerability.
- Low - Areas that provide the greatest protection from pollution. They are likely to be characterised by low leaching soils and/or the presence of superficial deposits characterised by a low permeability.

Features are displayed on the Groundwater vulnerability map on **page 90**



ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	On site	Summary Classification: Secondary superficial aquifer - Low Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: <40% Dilution value: 300- 550mm/year	Vulnerability: Low Aquifer type: Secondary Thickness: >10m Patchiness value: >90% Recharge potential: Medium	Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures

This data is sourced from the British Geological Survey, the Environment Agency and Natural Resources Wales.

5.4 Groundwater vulnerability- soluble rock risk

Records on site	0
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This dataset identifies areas where solution features that enable rapid movement of a pollutant may be present within a 1km grid square.

This data is sourced from the British Geological Survey and the Environment Agency.

5.5 Groundwater vulnerability- local information

Records on site	0
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This dataset identifies areas where additional local information affecting vulnerability is held by the Environment Agency. Further information can be obtained by contacting the Environment Agency local Area groundwater team through the Environment Agency National Customer Call Centre on 03798 506 506 or by email on enquiries@environment-agency.gov.uk.

This data is sourced from the British Geological Survey and the Environment Agency.

Abstractions and Source Protection Zones



- Site Outline
- Search buffers in metres (m)**
- Source Protection Zone 1
Inner catchment
- Source Protection Zone 2
Outer catchment
- Source Protection Zone 3
Total catchment
- Source Protection Zone 4
Zone of Special Interest
- Source Protection Zone 1c
Inner catchment - confined aquifer
- Source Protection Zone 2c
Outer catchment - confined aquifer
- Source Protection Zone 3c
Total catchment - confined aquifer
- Drinking water abstraction licences
Polygon features
- Drinking water abstraction licences
Linear features
- Groundwater abstraction licence (point)
- Groundwater abstraction licence (area)
- Groundwater abstraction licence (linear)
- Surface Water Abstractions (point)
- Surface Water Abstractions (area)
- Surface Water Abstractions (linear)

5.6 Groundwater abstractions

Records within 2000m

25

Licensed groundwater abstractions for sites extracting more than 20 cubic metres of water a day and includes active and historical records. The data may be for a single abstraction point, between two points (line data) or a larger area.

Features are displayed on the Abstractions and Source Protection Zones map on **page 92**



ID	Location	Details	
A	473m N	Status: Historical Licence No: 2569005061 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: "BOREHOLE AT NORTON STREET, MILES PLATTING, MANCHESTER" Data Type: Point Name: HANSON QUARRY PRODUCTS EUROPE LTD Easting: 386550 Northing: 399790	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 08/02/2000 Expiry Date: - Issue No: 2 Version Start Date: 01/07/2000 Version End Date: -
A	473m N	Status: Active Licence No: 2569005061 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: BOREHOLE AT NORTON STREET, MILES PLATTING, MANCHESTER Data Type: Point Name: HANSON QUARRY PRODUCTS EUROPE LIMITED Easting: 386550 Northing: 399790	Annual Volume (m ³): 33,000 Max Daily Volume (m ³): 125 Original Application No: - Original Start Date: 08/02/2000 Expiry Date: - Issue No: 3 Version Start Date: 13/08/2012 Version End Date: -
-	1638m NW	Status: Historical Licence No: 2569005015 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Ground Water - North West Region Point: "B/HOLE, LITTLE GREEN WORKS, COLLYHURST RD, MANCHESTER 10" Data Type: Point Name: PACKAGING PRODUCTS LTD Easting: 385000 Northing: 400100	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 16/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 21/02/1995 Version End Date: -
-	1638m NW	Status: Active Licence No: 2569005015 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Ground Water - North West Region Point: B/HOLE, LITTLE GREEN WORKS, COLLYHURST RD, MANCHESTER 10 Data Type: Point Name: Packaging Products (Coatings) Ltd Easting: 385000 Northing: 400100	Annual Volume (m ³): 438,689 Max Daily Volume (m ³): 1,636.56 Original Application No: - Original Start Date: 16/02/1966 Expiry Date: - Issue No: 102 Version Start Date: 09/02/2011 Version End Date: -



ID	Location	Details	
-	1690m SE	Status: Active Licence No: 2569006037 Details: Non-Evaporative Cooling Direct Source: Ground Water - North West Region Point: BOREHOLE 1 ON PREMISES AT CROFT STREET, CLAYTON, MANCHESTER Data Type: Point Name: Evonik Chemicals Ltd Easting: 387860 Northing: 398379	Annual Volume (m ³): 111,831.60 Max Daily Volume (m ³): 654.62 Original Application No: - Original Start Date: 21/05/1985 Expiry Date: - Issue No: 104 Version Start Date: 19/04/2021 Version End Date: -
-	1691m SE	Status: Active Licence No: 2569006037 Details: Non-Evaporative Cooling Direct Source: Ground Water - North West Region Point: BOREHOLE 2 ON PREMISES AT CROFT STREET, CLAYTON, MANCHESTER Data Type: Point Name: Evonik Chemicals Ltd Easting: 387859 Northing: 398375	Annual Volume (m ³): 111,831.60 Max Daily Volume (m ³): 654.62 Original Application No: - Original Start Date: 21/05/1985 Expiry Date: - Issue No: 104 Version Start Date: 19/04/2021 Version End Date: -
-	1712m SE	Status: Historical Licence No: 2569006037 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Ground Water - North West Region Point: "BOREHOLES (2) ON PREMISES AT CROFT ST, CLAYTON, MANCHESTER" Data Type: Point Name: AIR PRODUCTS CHEMICALS LTD Easting: 387900 Northing: 398400	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 21/05/1985 Expiry Date: - Issue No: 100 Version Start Date: 01/07/1996 Version End Date: -
-	1712m SE	Status: Historical Licence No: 2569006037 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Ground Water - North West Region Point: BOREHOLES (2) ON PREMISES AT CROFT ST, CLAYTON, MANCHESTER Data Type: Point Name: AIR PRODUCTS CHEMICALS LTD Easting: 387900 Northing: 398400	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 21/05/1985 Expiry Date: - Issue No: 100 Version Start Date: 01/07/1996 Version End Date: -



ID	Location	Details	
-	1712m SE	Status: Historical Licence No: 2569006037 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Ground Water - North West Region Point: BOREHOLES X 2 ON PREMISES AT CROFT STREET CLAYTON MANCHESTER Data Type: Point Name: AIR PRODUCTS CHEMICALS LTD Easting: 387900 Northing: 398400	Annual Volume (m ³): 111832 Max Daily Volume (m ³): 654.624 Original Application No: - Original Start Date: 21/05/1985 Expiry Date: - Issue No: 100 Version Start Date: 01/07/1996 Version End Date: -
-	1742m SE	Status: Historical Licence No: 2569006026 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Ground Water - North West Region Point: "BOREHOLE AT PREMISES, CLAYTON, MANCHESTER" Data Type: Point Name: CIBA SPECIALTY CHEMICALS PLC Easting: 387700 Northing: 398100	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 24/03/1966 Expiry Date: - Issue No: 101 Version Start Date: 25/07/2000 Version End Date: -
-	1742m SE	Status: Historical Licence No: 2569006026 Details: Process water Direct Source: Ground Water - North West Region Point: "BOREHOLE AT PREMISES, CLAYTON, MANCHESTER" Data Type: Point Name: CIBA SPECIALTY CHEMICALS PLC Easting: 387700 Northing: 398100	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 24/03/1966 Expiry Date: - Issue No: 101 Version Start Date: 25/07/2000 Version End Date: -
-	1742m SE	Status: Historical Licence No: 2569006026 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Ground Water - North West Region Point: BOREHOLE AT PREMISES, CLAYTON, MANCHESTER Data Type: Point Name: CIBA SPECIALTY CHEMICALS PLC Easting: 387700 Northing: 398100	Annual Volume (m ³): 633962 Max Daily Volume (m ³): 2837 Original Application No: - Original Start Date: 24/03/1966 Expiry Date: - Issue No: 101 Version Start Date: 25/07/2000 Version End Date: -

ID	Location	Details	
-	1742m SE	Status: Historical Licence No: 2569006026 Details: Process water Direct Source: Ground Water - North West Region Point: BOREHOLE AT PREMISES, CLAYTON, MANCHESTER Data Type: Point Name: CIBA SPECIALTY CHEMICALS PLC Easting: 387700 Northing: 398100	Annual Volume (m ³): 633962 Max Daily Volume (m ³): 2837 Original Application No: - Original Start Date: 24/03/1966 Expiry Date: - Issue No: 101 Version Start Date: 25/07/2000 Version End Date: -
-	1777m SE	Status: Historical Licence No: NW/069/0006/005 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: BOREHOLE AT OPENSHAW, WEST ASHTON Data Type: Point Name: MANCHESTER CITY FOOTBALL CLUB LIMITED Easting: 387681 Northing: 398032	Annual Volume (m ³): 266113 Max Daily Volume (m ³): 1000 Original Application No: - Original Start Date: 14/11/2012 Expiry Date: 31/03/2018 Issue No: 1 Version Start Date: 14/11/2012 Version End Date: -
-	1777m SE	Status: Historical Licence No: NW/069/0006/005 Details: Horticultural Watering Direct Source: Ground Water - North West Region Point: BOREHOLE AT OPENSHAW, WEST ASHTON Data Type: Point Name: MANCHESTER CITY FOOTBALL CLUB LIMITED Easting: 387681 Northing: 398032	Annual Volume (m ³): 266113 Max Daily Volume (m ³): 1000 Original Application No: - Original Start Date: 14/11/2012 Expiry Date: 31/03/2018 Issue No: 1 Version Start Date: 14/11/2012 Version End Date: -
-	1777m SE	Status: Historical Licence No: NW/069/0006/005 Details: Spray Irrigation - Direct Direct Source: Ground Water - North West Region Point: BOREHOLE AT OPENSHAW, WEST ASHTON Data Type: Point Name: MANCHESTER CITY FOOTBALL CLUB LIMITED Easting: 387681 Northing: 398032	Annual Volume (m ³): 266113 Max Daily Volume (m ³): 1000 Original Application No: - Original Start Date: 14/11/2012 Expiry Date: 31/03/2018 Issue No: 1 Version Start Date: 14/11/2012 Version End Date: -
-	1777m SE	Status: Active Licence No: NW/069/0006/005/R01 Details: Spray Irrigation - Direct Direct Source: Ground Water - North West Region Point: BOREHOLE AT OPENSHAW, WEST ASHTON Data Type: Point Name: MANCHESTER CITY FOOTBALL CLUB LIMITED Easting: 387681 Northing: 398032	Annual Volume (m ³): 221,650 Max Daily Volume (m ³): 1,000 Original Application No: - Original Start Date: 01/04/2018 Expiry Date: 31/03/2024 Issue No: 1 Version Start Date: 01/04/2018 Version End Date: -



ID	Location	Details	
-	1777m SE	Status: Active Licence No: NW/069/0006/005/R01 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: BOREHOLE AT OPENSHAW, WEST ASHTON Data Type: Point Name: MANCHESTER CITY FOOTBALL CLUB LIMITED Easting: 387681 Northing: 398032	Annual Volume (m ³): 221,650 Max Daily Volume (m ³): 1,000 Original Application No: - Original Start Date: 01/04/2018 Expiry Date: 31/03/2024 Issue No: 1 Version Start Date: 01/04/2018 Version End Date: -
-	1885m SE	Status: Active Licence No: 2569006036 Details: Non-Evaporative Cooling Direct Source: Ground Water - North West Region Point: BOREHOLE ON PREMISES AT CLAYTON, MANCHESTER Data Type: Point Name: Evonik Chemicals Ltd Easting: 388027 Northing: 398277	Annual Volume (m ³): 372,772 Max Daily Volume (m ³): 3,600.50 Original Application No: - Original Start Date: 21/05/1985 Expiry Date: - Issue No: 104 Version Start Date: 19/04/2021 Version End Date: -
-	1907m SE	Status: Historical Licence No: 2569006036 Details: Process water Direct Source: Ground Water - North West Region Point: "BOREHOLE ON PREMISES AT CLAYTON, MANCHESTER" Data Type: Point Name: AIR PRODUCTS CHEMICALS LTD Easting: 388000 Northing: 398200	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 21/05/1985 Expiry Date: - Issue No: 100 Version Start Date: 01/07/1996 Version End Date: -
-	1907m SE	Status: Historical Licence No: 2569006036 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Ground Water - North West Region Point: "BOREHOLE ON PREMISES AT CLAYTON, MANCHESTER" Data Type: Point Name: AIR PRODUCTS CHEMICALS LTD Easting: 388000 Northing: 398200	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 21/05/1985 Expiry Date: - Issue No: 100 Version Start Date: 01/07/1996 Version End Date: -



ID	Location	Details	
-	1907m SE	Status: Historical Licence No: 2569006036 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Ground Water - North West Region Point: BOREHOLE ON PREMISES AT CLAYTON, MANCHESTER Data Type: Point Name: AIR PRODUCTS CHEMICALS LTD Easting: 388000 Northing: 398200	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 21/05/1985 Expiry Date: - Issue No: 100 Version Start Date: 01/07/1996 Version End Date: -
-	1907m SE	Status: Historical Licence No: 2569006036 Details: Process water Direct Source: Ground Water - North West Region Point: BOREHOLE ON PREMISES AT CLAYTON, MANCHESTER Data Type: Point Name: AIR PRODUCTS CHEMICALS LTD Easting: 388000 Northing: 398200	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 21/05/1985 Expiry Date: - Issue No: 100 Version Start Date: 01/07/1996 Version End Date: -
-	1907m SE	Status: Historical Licence No: 2569006036 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Ground Water - North West Region Point: BOREHOLE ON PREMISES AT CLAYTON MANCHESTER Data Type: Point Name: AIR PRODUCTS CHEMICALS LTD Easting: 388000 Northing: 398200	Annual Volume (m ³): 372772 Max Daily Volume (m ³): 3600.5 Original Application No: - Original Start Date: 21/05/1985 Expiry Date: - Issue No: 100 Version Start Date: 01/07/1996 Version End Date: -
-	1907m SE	Status: Historical Licence No: 2569006036 Details: Process Water Direct Source: Ground Water - North West Region Point: BOREHOLE ON PREMISES AT CLAYTON MANCHESTER Data Type: Point Name: AIR PRODUCTS CHEMICALS LTD Easting: 388000 Northing: 398200	Annual Volume (m ³): 372772 Max Daily Volume (m ³): 3600.5 Original Application No: - Original Start Date: 21/05/1985 Expiry Date: - Issue No: 100 Version Start Date: 01/07/1996 Version End Date: -

This data is sourced from the Environment Agency and Natural Resources Wales.



5.7 Surface water abstractions

Records within 2000m

6

Licensed surface water abstractions for sites extracting more than 20 cubic metres of water a day and includes active and historical records. The data may be for a single abstraction point, a stretch of watercourse or a larger area.

Features are displayed on the Abstractions and Source Protection Zones map on **page 92**

ID	Location	Details	
-	1468m SE	Status: Historical Licence No: 2569006996 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Surface, Non-Tidal - North West Region Point: ASHTON CANAL, MANCHESTER [VITACOM] Data Type: Point Name: BRITISH WATERWAYS Easting: 387600 Northing: 398400	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 01/04/1969 Expiry Date: - Issue No: 100 Version Start Date: 01/04/1969 Version End Date: -
-	1628m SE	Status: Historical Licence No: 2569006997 Details: Process water Direct Source: "Surface, Non-Tidal - North West Region" Point: "ASHTON CANAL, MANCHESTER [CLAYTON ANALINE]" Data Type: Point Name: BRITISH WATERWAYS Easting: 387800 Northing: 398400	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 01/04/1969 Expiry Date: - Issue No: 100 Version Start Date: 01/04/1969 Version End Date: -
-	1628m SE	Status: Historical Licence No: 2569006997 Details: Process water Direct Source: Surface, Non-Tidal - North West Region Point: ASHTON CANAL, MANCHESTER [CLAYTON ANALINE] Data Type: Point Name: BRITISH WATERWAYS BOARD Easting: 387800 Northing: 398400	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 01/04/1969 Expiry Date: - Issue No: 100 Version Start Date: 01/04/1969 Version End Date: -



ID	Location	Details	
-	1628m SE	Status: Active Licence No: 2569006997 Details: Process Water Direct Source: Surface, Non-Tidal - North West Region Point: ASHTON CANAL MANCHESTER CLAYTON ANALINE Data Type: Point Name: Canal and River Trust Easting: 387800 Northing: 398400	Annual Volume (m ³): 3,500,420 Max Daily Volume (m ³): 3,500,420 Original Application No: - Original Start Date: 01/04/1969 Expiry Date: - Issue No: 100 Version Start Date: 01/04/1969 Version End Date: -
-	1934m SE	Status: Historical Licence No: 2569006995 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: "Surface, Non-Tidal - North West Region" Point: "ASHTON CANAL, MANCHESTER" Data Type: Point Name: BRITISH WATERWAYS Easting: 388100 Northing: 398300	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 01/04/1969 Expiry Date: - Issue No: 100 Version Start Date: 01/04/1969 Version End Date: -
-	1934m SE	Status: Active Licence No: 2569006995 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Surface, Non-Tidal - North West Region Point: ASHTON CANAL, MANCHESTER Data Type: Point Name: Canal and River Trust Easting: 388100 Northing: 398300	Annual Volume (m ³): 68,190 Max Daily Volume (m ³): 68,190 Original Application No: - Original Start Date: 01/04/1969 Expiry Date: - Issue No: 100 Version Start Date: 01/04/1969 Version End Date: -

This data is sourced from the Environment Agency and Natural Resources Wales.

5.8 Potable abstractions

Records within 2000m

0

Licensed potable water abstractions for sites extracting more than 20 cubic metres of water a day and includes active and historical records. The data may be for a single abstraction point, a stretch of watercourse or a larger area.

This data is sourced from the Environment Agency and Natural Resources Wales.



5.9 Source Protection Zones

Records within 500m

0

Source Protection Zones define the sensitivity of an area around a potable abstraction site to contamination.

This data is sourced from the Environment Agency and Natural Resources Wales.

5.10 Source Protection Zones (confined aquifer)

Records within 500m

0

Source Protection Zones in the confined aquifer define the sensitivity around a deep groundwater abstraction to contamination. A confined aquifer would normally be protected from contamination by overlying geology and is only considered a sensitive resource if deep excavation/drilling is taking place.

This data is sourced from the Environment Agency and Natural Resources Wales.



6 Hydrology



- Site Outline
- Search buffers in metres (m)
- Water Network (OS MasterMap)
- Surface water features (wider than 5m)
- Surface water features (narrower than 5m)
- ... WFD River, canal and surface water transfer water bodies
- WFD Lake water bodies
- WFD Transitional and coastal water bodies
- WFD Surface water body catchments boundaries
- WFD Groundwater body boundaries

6.1 Water Network (OS MasterMap)

Records within 250m

0

Detailed water network of Great Britain showing the flow and precise central course of every river, stream, lake and canal.

This data is sourced from the Ordnance Survey.

6.2 Surface water features

Records within 250m

1

Covering rivers, streams and lakes (some overlap with OS MasterMap Water Network data in previous section) but additionally covers smaller features such as ponds. Rivers and streams narrower than 5m are represented as a single line. Lakes, ponds and rivers or streams wider than 5m are represented as polygons.



Features are displayed on the Hydrology map on **page 102**

This data is sourced from the Ordnance Survey.

6.3 WFD Surface water body catchments

Records on site						1
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The Water Framework Directive is an EU-led framework for the protection of inland surface waters, estuaries, coastal waters and groundwater through river basin-level management planning. In terms of surface water, these basins are broken down into smaller units known as management, operational and water body catchments.

Features are displayed on the Hydrology map on **page 102**

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
A	On site	River WB catchment	Medlock (Lumb Brook to Irwell)	GB112069061152	Roch Irk Medlock	Irwell

This data is sourced from the Environment Agency and Natural Resources Wales.

6.4 WFD Surface water bodies

Records identified								2
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Surface water bodies under the Directive may be rivers, lakes, estuary or coastal. To achieve the purpose of the Directive, environmental objectives have been set and are reported on for each water body. The progress towards delivery of the objectives is then reported on by the relevant competent authorities at the end of each six-year cycle. The river water body directly associated with the catchment listed in the previous section is detailed below, along with any lake, canal, coastal or artificial water body within 250m of the site. Click on the water body ID in the table to visit the EA Catchment Explorer to find out more about each water body listed.

Features are displayed on the Hydrology map on **page 102**

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
1	250m NW	Canal	Rochdale Canal, western section	GB71210517	Moderate	Good	Moderate	2016
4	442m SE	River	Medlock (Lumb Brook to Irwell)	GB112069061152	Moderate	Good	Moderate	2016

This data is sourced from the Environment Agency and Natural Resources Wales.

6.5 WFD Groundwater bodies

Records on site

1

Groundwater bodies are also covered by the Directive and the same regime of objectives and reporting detailed in the previous section is in place. Click on the water body ID in the table to visit the EA Catchment Explorer to find out more about each groundwater body listed.

Features are displayed on the Hydrology map on **page 102**

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
A	On site	Manchester and East Cheshire Permo-Triassic Sandstone Aquifers	<u>GB41201G101100</u>	Poor	Poor	Poor	2015

This data is sourced from the Environment Agency and Natural Resources Wales.



7 River and coastal flooding

7.1 Risk of Flooding from Rivers and Sea (RoFRaS)

Records within 50m**0**

The chance of flooding from rivers and/or the sea in any given year, based on cells of 50m. Each cell is allocated one of four flood risk categories, taking into account flood defences and their condition; Very low (less than 1 in 1000 chance in any given year), Low (less than 1 in 100 but greater than or equal to 1 in 1000 chance), Medium (less than 1 in 30 but greater than or equal to 1 in 100 chance) or High (greater than or equal to 1 in 30 chance).

This data is sourced from the Environment Agency and Natural Resources Wales.

7.2 Historical Flood Events

Records within 250m**0**

Records of historic flooding from rivers, the sea, groundwater and surface water. Records began in 1946 when predecessor bodies started collecting detailed information about flooding incidents, although limited details may be included on flooding incidents prior to this date. Takes into account the presence of defences, structures, and other infrastructure where they existed at the time of flooding, and includes flood extents that may have been affected by overtopping, breaches or blockages.

This data is sourced from the Environment Agency and Natural Resources Wales.

7.3 Flood Defences

Records within 250m**0**

Records of flood defences owned, managed or inspected by the Environment Agency and Natural Resources Wales. Flood defences can be structures, buildings or parts of buildings. Typically these are earth banks, stone and concrete walls, or sheet-piling that is used to prevent or control the extent of flooding.

This data is sourced from the Environment Agency and Natural Resources Wales.

7.4 Areas Benefiting from Flood Defences

Records within 250m**0**

Areas that would benefit from the presence of flood defences in a 1 in 100 (1%) chance of flooding each year from rivers or 1 in 200 (0.5%) chance of flooding each year from the sea.

This data is sourced from the Environment Agency and Natural Resources Wales.

7.5 Flood Storage Areas

Records within 250m

0

Areas that act as a balancing reservoir, storage basin or balancing pond to attenuate an incoming flood peak to a flow level that can be accepted by the downstream channel or to delay the timing of a flood peak so that its volume is discharged over a longer period.

This data is sourced from the Environment Agency and Natural Resources Wales.



River and coastal flooding - Flood Zones

7.6 Flood Zone 2

Records within 50m

0

Areas of land at risk of flooding, when the presence of flood defences are ignored. Covering land between Flood Zone 3 (see next section) and the extent of the flooding from rivers or the sea with a 1 in 1000 (0.1%) chance of flooding each year.

This data is sourced from the Environment Agency and Natural Resources Wales.

7.7 Flood Zone 3

Records within 50m

0

Areas of land at risk of flooding, when the presence of flood defences are ignored. Covering land with a 1 in 100 (1%) or greater chance of flooding each year from rivers or a 1 in 200 (0.5%) or greater chance of flooding each year from the sea.

This data is sourced from the Environment Agency and Natural Resources Wales.

8 Surface water flooding

8.1 Surface water flooding

Highest risk on site**Negligible****Highest risk within 50m****Negligible**

Ambiental Risk Analytics surface water (pluvial) FloodMap identifies areas likely to flood as a result of extreme rainfall events, i.e. land naturally vulnerable to surface water ponding or flooding. This data set was produced by simulating 1 in 30 year, 1 in 100 year, 1 in 250 year and 1 in 1,000 year rainfall events. Modern urban drainage systems are typically built to cope with rainfall events between 1 in 20 and 1 in 30 years, though some older ones may flood in a 1 in 5 year rainfall event.

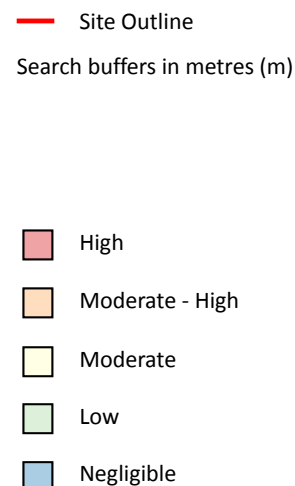
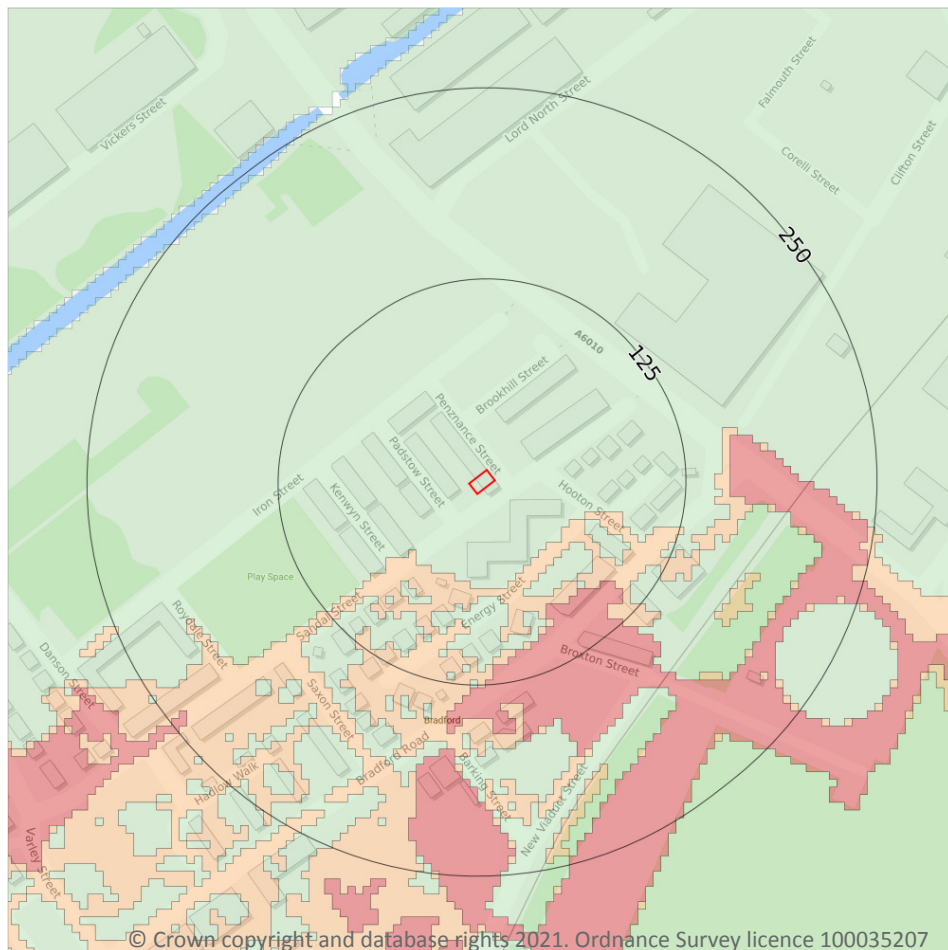
The data shown on the map and in the table above shows the highest likelihood of flood events happening at the site. Lower likelihood events may have greater flood depths and hence a greater potential impact on a site. The table below shows the maximum flood depths for a range of return periods for the site.

Return period	Maximum modelled depth
1 in 1000 year	Negligible
1 in 250 year	Negligible
1 in 100 year	Negligible
1 in 30 year	Negligible

This data is sourced from Ambiental Risk Analytics.



9 Groundwater flooding



9.1 Groundwater flooding

Highest risk on site

Low

Highest risk within 50m

Low

Groundwater flooding is caused by unusually high groundwater levels. It occurs when the water table rises above the ground surface or within underground structures such as basements or cellars. Groundwater flooding tends to exhibit a longer duration than surface water flooding, possibly lasting for weeks or months, and as a result it can cause significant damage to property. This risk assessment is based on a 1 in 100 year return period and a 5m Digital Terrain Model (DTM).

Features are displayed on the Groundwater flooding map on **page 109**

This data is sourced from Ambiantal Risk Analytics.

10 Environmental designations



- Site Outline
- Search buffers in metres (m)
- + Local Nature Reserves (LNR)
- Green Belt

10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m

0

Sites providing statutory protection for the best examples of UK flora, fauna, or geological or physiographical features. Originally notified under the National Parks and Access to the Countryside Act 1949, SSSIs were re-notified under the Wildlife and Countryside Act 1981. Improved provisions for the protection and management of SSSIs were introduced by the Countryside and Rights of Way Act 2000 (in England and Wales) and (in Scotland) by the Nature Conservation (Scotland) Act 2004 and the Wildlife and Natural Environment (Scotland) Act 2010.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.2 Conserved wetland sites (Ramsar sites)

Records within 2000m**0**

Ramsar sites are designated under the Convention on Wetlands of International Importance, agreed in Ramsar, Iran, in 1971. They cover all aspects of wetland conservation and wise use, recognizing wetlands as ecosystems that are extremely important for biodiversity conservation in general and for the well-being of human communities. These sites cover a broad definition of wetland; marsh, fen, peatland or water, whether natural or artificial, permanent or temporary, with water that is static or flowing, fresh, brackish or salt, and even some marine areas.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.3 Special Areas of Conservation (SAC)

Records within 2000m**0**

Areas which have been identified as best representing the range and variety within the European Union of habitats and (non-bird) species listed on Annexes I and II to the Directive. SACs are designated under the EC Habitats Directive.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.4 Special Protection Areas (SPA)

Records within 2000m**0**

Sites classified by the UK Government under the EC Birds Directive, SPAs are areas of the most important habitat for rare (listed on Annex I to the Directive) and migratory birds within the European Union.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.5 National Nature Reserves (NNR)

Records within 2000m**0**

Sites containing examples of some of the most important natural and semi-natural terrestrial and coastal ecosystems in Great Britain. They are managed to conserve their habitats, provide special opportunities for scientific study or to provide public recreation compatible with natural heritage interests.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.6 Local Nature Reserves (LNR)

Records within 2000m**1**

Sites managed for nature conservation, and to provide opportunities for research and education, or simply enjoying and having contact with nature. They are declared by local authorities under the National Parks and Access to the Countryside Act 1949 after consultation with the relevant statutory nature conservation agency.

Features are displayed on the Environmental designations map on **page 110**

ID	Location	Name	Data source
A	1057m E	Clayton Vale	Natural England

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.7 Designated Ancient Woodland

Records within 2000m**0**

Ancient woodlands are classified as areas which have been wooded continuously since at least 1600 AD. This includes semi-natural woodland and plantations on ancient woodland sites. 'Wooded continuously' does not mean there is or has previously been continuous tree cover across the whole site, and not all trees within the woodland have to be old.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.8 Biosphere Reserves

Records within 2000m**0**

Biosphere Reserves are internationally recognised by UNESCO as sites of excellence to balance conservation and socioeconomic development between nature and people. They are recognised under the Man and the Biosphere (MAB) Programme with the aim of promoting sustainable development founded on the work of the local community.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.9 Forest Parks

Records within 2000m**0**

These are areas managed by the Forestry Commission designated on the basis of recreational, conservation or scenic interest.

This data is sourced from the Forestry Commission.



10.10 Marine Conservation Zones

Records within 2000m**0**

A type of marine nature reserve in UK waters established under the Marine and Coastal Access Act (2009). They are designated with the aim to protect nationally important, rare or threatened habitats and species.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.11 Green Belt

Records within 2000m**1**

Areas designated to prevent urban sprawl by keeping land permanently open.

Features are displayed on the Environmental designations map on **page 110**

ID	Location	Name	Local Authority name
-	1233m E	Merseyside and Greater Manchester	Manchester

This data is sourced from the Ministry of Housing, Communities and Local Government.

10.12 Proposed Ramsar sites

Records within 2000m**0**

Ramsar sites are areas listed as a Wetland of International Importance under the Convention on Wetlands of International Importance especially as Waterfowl Habitat (the Ramsar Convention) 1971. The sites here supplied have a status of 'Proposed' having been identified for potential adoption under the framework.

This data is sourced from Natural England.

10.13 Possible Special Areas of Conservation (pSAC)

Records within 2000m**0**

Special Areas of Conservation are areas which have been identified as best representing the range and variety within the European Union of habitats and (non-bird) species listed on Annexes I and II to the Directive. SACs are designated under the EC Habitats Directive. Those sites supplied here are those with a status of 'Possible' having been identified for potential adoption under the framework.

This data is sourced from Natural England and Natural Resources Wales.

10.14 Potential Special Protection Areas (pSPA)

Records within 2000m**0**

Special Protection Areas (SPAs) are areas designated (or 'classified') under the European Union Wild Birds Directive for the protection of nationally and internationally important populations of wild birds. Those sites supplied here are those with a status of 'Potential' having been identified for potential adoption under the framework.

This data is sourced from Natural England.

10.15 Nitrate Sensitive Areas

Records within 2000m**0**

Areas where nitrate concentrations in drinking water sources exceeded or was at risk of exceeding the limit of 50 mg/l set by the 1980 EC Drinking Water Directive. Voluntary agricultural measures as a means of reducing the levels of nitrate were introduced by DEFRA as MAFF, with payments being made to farmers who complied. The scheme was started as a pilot in 1990 in ten areas, later implemented within 32 areas. The scheme was closed to further new entrants in 1998, although existing agreements continued for their full term. All Nitrate Sensitive Areas fell within the areas designated as Nitrate Vulnerable Zones (NVZs) in 1996 under the EC Nitrate Directive (91/676/EEC).

This data is sourced from Natural England.

10.16 Nitrate Vulnerable Zones

Records within 2000m**1**

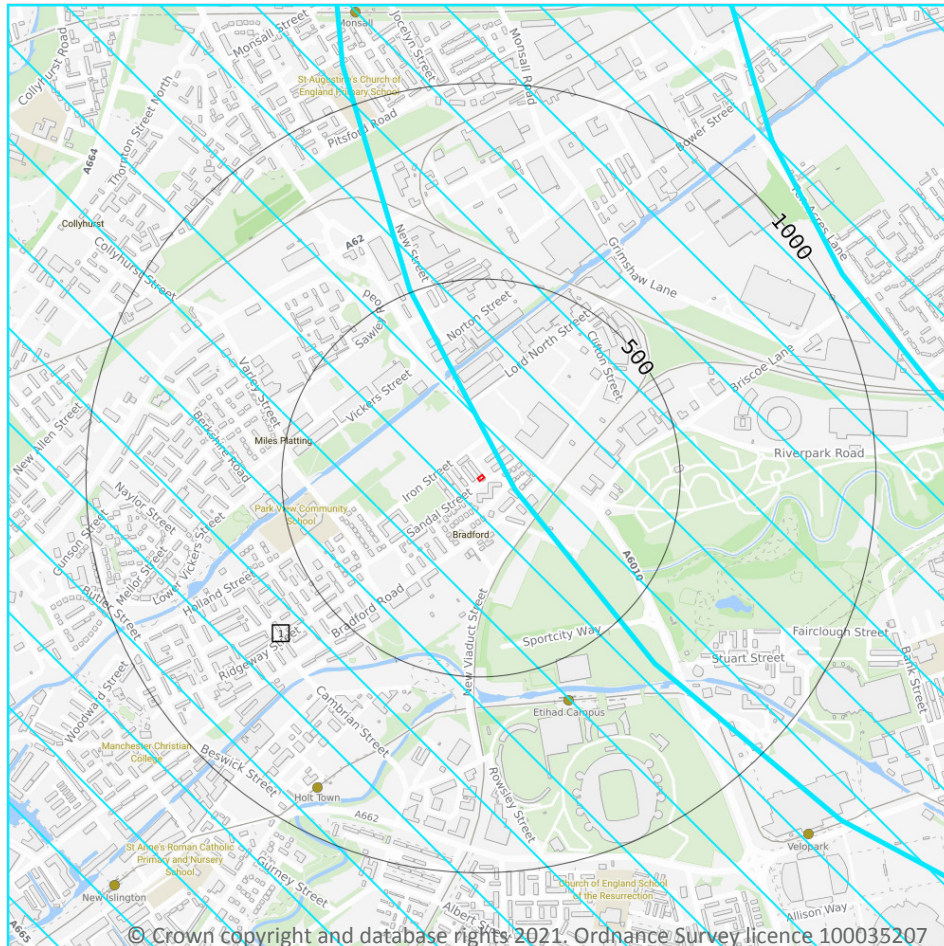
Areas at risk from agricultural nitrate pollution designated under the EC Nitrate Directive (91/676/EEC). These are areas of land that drain into waters polluted by nitrates. Farmers operating within these areas have to follow mandatory rules to tackle nitrate loss from agriculture.

Location	Name	Type	NVZ ID	Status
671m N	River Irk (Moston Brook to River Irwell) NVZ	Surface Water	S638	Existing

This data is sourced from Natural England and Natural Resources Wales.



SSSI Impact Zones and Units



- Site Outline
- Search buffers in metres (m)
- SSSI Impact Risk Zones
- SSSI Units
- Not recorded
- Favourable
- Unfavourable - Recovering
- Unfavourable - No change
- Unfavourable - Declining
- Partially destroyed
- Destroyed

10.17 SSSI Impact Risk Zones

Records on site

1

Developed to allow rapid initial assessment of the potential risks to SSSIs posed by development proposals. They define zones around each SSSI which reflect the particular sensitivities of the features for which it is notified and indicate the types of development proposal which could potentially have adverse impacts.

Features are displayed on the SSSI Impact Zones and Units map on **page 115**

ID	Location	Type of developments requiring consultation
1	On site	Infrastructure - Airports, helipads and other aviation proposals. Air pollution - Any industrial/agricultural development that could cause AIR POLLUTION (incl: industrial processes, livestock & poultry units with floorspace > 500m², slurry lagoons > 750m² & manure stores > 3500t) Combustion - General combustion processes >50MW energy input. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion

This data is sourced from Natural England.

10.18 SSSI Units

Records within 2000m	0
-----------------------------	----------

Divisions of SSSIs used to record management and condition details. Units are the smallest areas for which Natural England gives a condition assessment, however, the size of units varies greatly depending on the types of management and the conservation interest.

This data is sourced from Natural England and Natural Resources Wales.



11 Visual and cultural designations

11.1 World Heritage Sites

Records within 250m

0

Sites designated for their globally important cultural or natural interest requiring appropriate management and protection measures. World Heritage Sites are designated to meet the UK's commitments under the World Heritage Convention.

This data is sourced from Historic England, Cadw and Historic Environment Scotland.

11.2 Area of Outstanding Natural Beauty

Records within 250m

0

Areas of Outstanding Natural Beauty (AONB) are conservation areas, chosen because they represent 18% of the finest countryside. Each AONB has been designated for special attention because of the quality of their flora, fauna, historical and cultural associations, and/or scenic views. The National Parks and Access to the Countryside Act of 1949 created AONBs and the Countryside and Rights of Way Act, 2000 added further regulation and protection. There are likely to be restrictions to some developments within these areas.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

11.3 National Parks

Records within 250m

0

In England and Wales, the purpose of National Parks is to conserve and enhance landscapes within the countryside whilst promoting public enjoyment of them and having regard for the social and economic well-being of those living within them. In Scotland National Parks have the additional purpose of promoting the sustainable use of the natural resources of the area and the sustainable social and economic development of its communities. The National Parks and Access to the Countryside Act 1949 established the National Park designation in England and Wales, and The National Parks (Scotland) Act 2000 in Scotland.

This data is sourced from Natural England, Natural Resources Wales and the Scottish Government.

11.4 Listed Buildings

Records within 250m

0

Buildings listed for their special architectural or historical interest. Building control in the form of 'listed building consent' is required in order to make any changes to that building which might affect its special interest. Listed buildings are graded to indicate their relative importance, however building controls apply to all buildings equally, irrespective of their grade, and apply to the interior and exterior of the building in its entirety, together with any curtilage structures.



This data is sourced from Historic England, Cadw and Historic Environment Scotland.

11.5 Conservation Areas

Records within 250m

0

Local planning authorities are obliged to designate as conservation areas any parts of their own area that are of special architectural or historic interest, the character and appearance of which it is desirable to preserve or enhance. Designation of a conservation area gives broader protection than the listing of individual buildings. All the features within the area, listed or otherwise, are recognised as part of its character. Conservation area designation is the means of recognising the importance of all factors and of ensuring that planning decisions address the quality of the landscape in its broadest sense.

This data is sourced from Historic England, Cadw and Historic Environment Scotland.

11.6 Scheduled Ancient Monuments

Records within 250m

0

A scheduled monument is an historic building or site that is included in the Schedule of Monuments kept by the Secretary of State for Digital, Culture, Media and Sport. The regime is set out in the Ancient Monuments and Archaeological Areas Act 1979. The Schedule of Monuments has c.20,000 entries and includes sites such as Roman remains, burial mounds, castles, bridges, earthworks, the remains of deserted villages and industrial sites. Monuments are not graded, but all are, by definition, considered to be of national importance.

This data is sourced from Historic England, Cadw and Historic Environment Scotland.

11.7 Registered Parks and Gardens

Records within 250m

0

Parks and gardens assessed to be of particular interest and of special historic interest. The emphasis being on 'designed' landscapes, rather than on planting or botanical importance. Registration is a 'material consideration' in the planning process, meaning that planning authorities must consider the impact of any proposed development on the special character of the landscape.

This data is sourced from Historic England, Cadw and Historic Environment Scotland.



12 Agricultural designations



- Site Outline
- Search buffers in metres (m)
- Grade 1 - excellent quality
- Grade 2 - very good quality
- Grade 3 - good to moderate quality
- Grade 3a - good quality
- Grade 3b - moderate quality
- Grade 4 - poor quality
- Grade 5 - very poor quality
- Non-agricultural land
- Urban land
- Exclusion land
- Tree felling licences
- Open Access land

12.1 Agricultural Land Classification

Records within 250m

1

Classification of the quality of agricultural land taking into consideration multiple factors including climate, physical geography and soil properties. It should be noted that the categories for the grading of agricultural land are not consistent across England, Wales and Scotland.

Features are displayed on the Agricultural designations map on **page 119**

ID	Location	Classification	Description
1	On site	Urban	-

This data is sourced from Natural England.



12.2 Open Access Land

Records within 250m

0

The Countryside and Rights of Way Act 2000 (CROW Act) gives a public right of access to land without having to use paths. Access land includes mountains, moors, heaths and downs that are privately owned. It also includes common land registered with the local council and some land around the England Coast Path. Generally permitted activities on access land are walking, running, watching wildlife and climbing.

This data is sourced from Natural England and Natural Resources Wales.

12.3 Tree Felling Licences

Records within 250m

1

Felling Licence Application (FLA) areas approved by Forestry Commission England. Anyone wishing to fell trees must ensure that a licence or permission under a grant scheme has been issued by the Forestry Commission before any felling is carried out or that one of the exceptions apply.

Features are displayed on the Agricultural designations map on **page 119**

ID	Location	Description	Reference	Application date
2	97m SW	Selective Fell/Thin (Conditional)	010/10/12-13	11/06/2012

This data is sourced from the Forestry Commission.

12.4 Environmental Stewardship Schemes

Records within 250m

0

Environmental Stewardship covers a range of schemes that provide financial incentives to farmers, foresters and land managers to look after and improve the environment. The schemes identified may be historical schemes that have now expired, or may still be active.

This data is sourced from Natural England.

12.5 Countryside Stewardship Schemes

Records within 250m

0

Countryside Stewardship covers a range of schemes that provide financial incentives to farmers, foresters and land managers to look after and improve the environment. Main objectives are to improve the farmed environment for wildlife and to reduce diffuse water pollution.

This data is sourced from Natural England.



13 Habitat designations



- Site Outline
- Search buffers in metres (m)
- Priority Habitat Inventory
- Open Mosaic Habitat
- Limestone Pavement Orders
- Habitat Networks
- Primary Habitat
- Restorable Habitat
- Associated Habitats
- Habitat Restoration-Creation
- Network Enhancement Zone 1
- Network Enhancement Zone 2

13.1 Priority Habitat Inventory

Records within 250m

0

Habitats of principal importance as named under Natural Environment and Rural Communities Act (2006) Section 41.

This data is sourced from Natural England.

13.2 Habitat Networks

Records within 250m

0

Habitat networks for 18 priority habitat networks (based primarily, but not exclusively, on the priority habitat inventory) and areas suitable for the expansion of networks through restoration and habitat creation.

This data is sourced from Natural England.



13.3 Open Mosaic Habitat

Records within 250m

2

Sites verified as Open Mosaic Habitat. Mosaic habitats are brownfield sites that are identified under the UK Biodiversity Action Plan as a priority habitat due to the habitat variation within a single site, supporting an array of invertebrates.

Features are displayed on the Habitat designations map on **page 121**

ID	Location	Site reference	Identification confidence	Primary source	Secondary source	Tertiary source
1	194m NW	NLUD Ref: 421500766	Low	National Land Use Database - Previously Developed Land	UK Perspectives Aerial Photography	-
2	195m W	NLUD Ref: 421500766	Low	National Land Use Database - Previously Developed Land	UK Perspectives Aerial Photography	-

This data is sourced from Natural England.

13.4 Limestone Pavement Orders

Records within 250m

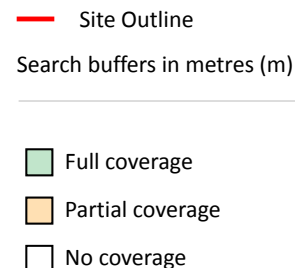
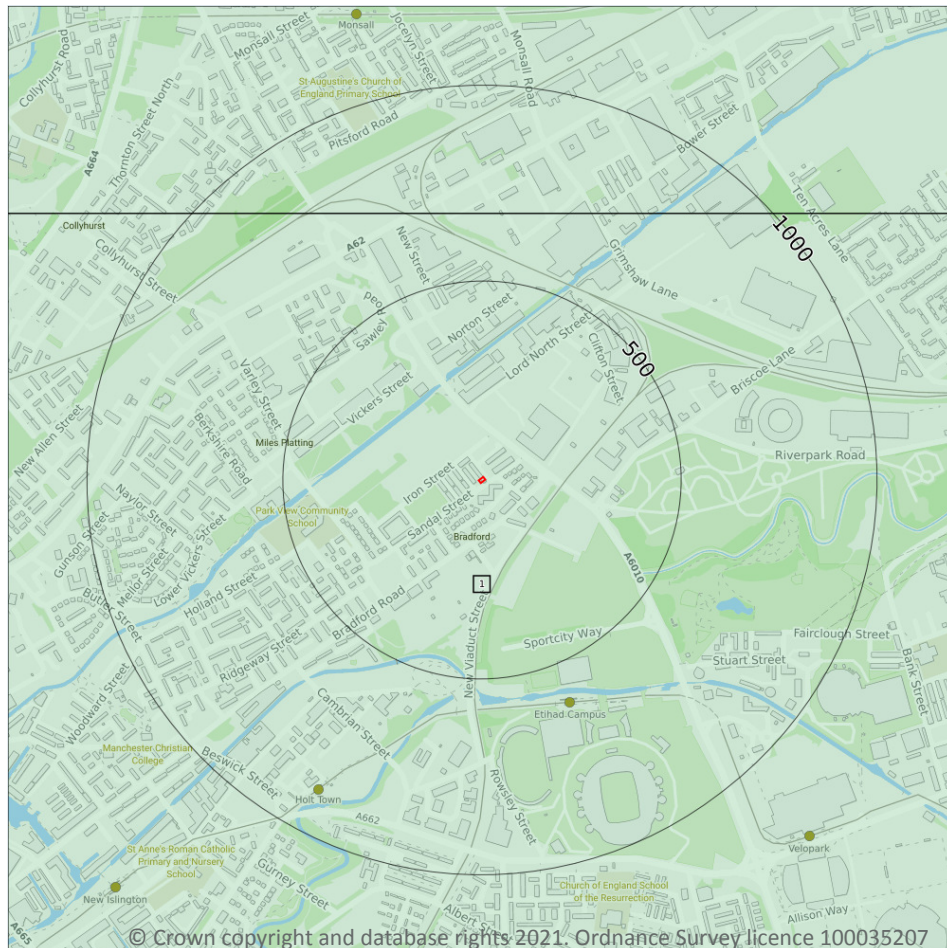
0

Limestone pavements are outcrops of limestone where the surface has been worn away by natural means over millennia. These rocks have the appearance of paving blocks, hence their name. Not only do they have geological interest, they also provide valuable habitats for wildlife. These habitats are threatened due to their removal for use in gardens and water features. Many limestone pavements have been designated as SSSIs which affords them some protection. In addition, Section 34 of the Wildlife and Countryside Act 1981 gave them additional protection via the creation of Limestone Pavement Orders, which made it a criminal offence to remove any part of the outcrop. The associated Limestone Pavement Priority Habitat is part of the UK Biodiversity Action Plan priority habitat in England.

This data is sourced from Natural England.



14 Geology 1:10,000 scale - Availability



14.1 10k Availability

Records within 500m

1

An indication on the coverage of 1:10,000 scale geology data for the site, the most detailed dataset provided by the British Geological Survey. Either 'Full', 'Partial' or 'No coverage' for each geological theme.

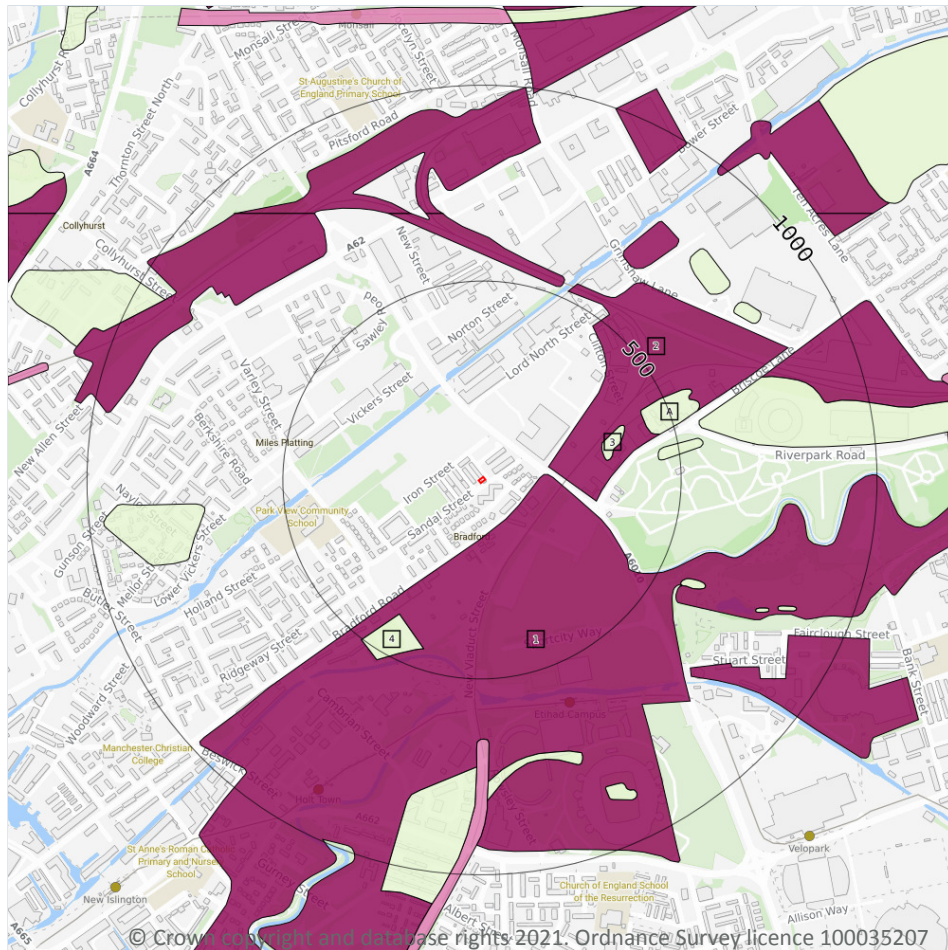
Features are displayed on the Geology 1:10,000 scale - Availability map on **page 123**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	Full	SJ89NE

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Artificial and made ground



- Site Outline**
- Search buffers in metres (m)**
- Reclaimed ground
 - Made ground
 - Worked ground
 - Infilled ground
 - Disturbed ground
 - Landscaped ground

14.2 Artificial and made ground (10k)

Records within 500m

6

Details of made, worked, infilled, disturbed and landscaped ground at 1:10,000 scale. Artificial ground can be associated with potentially contaminated material, unpredictable engineering conditions and instability.

Features are displayed on the Geology 1:10,000 scale - Artificial and made ground map on **page 124**

ID	Location	LEX Code	Description	Rock description
1	107m SE	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
2	165m E	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
3	307m E	WMGR-ARTDP	Infilled Ground	Artificial Deposit
4	394m SW	WMGR-ARTDP	Infilled Ground	Artificial Deposit

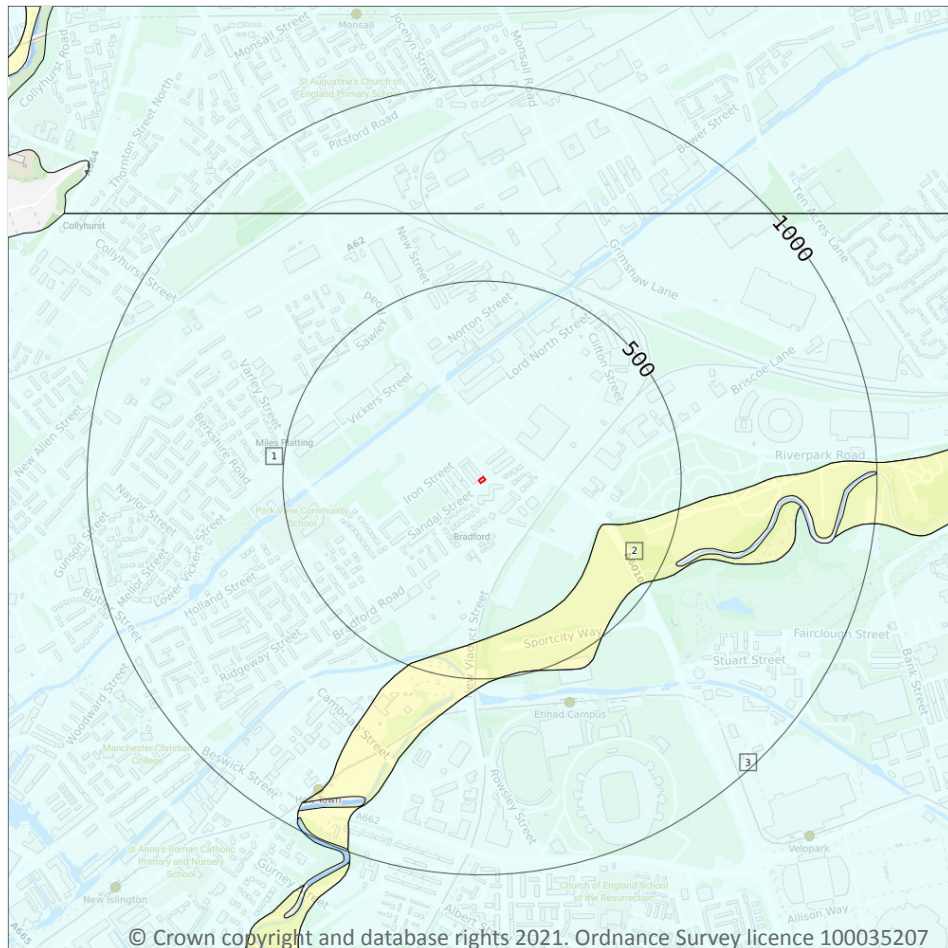


ID	Location	LEX Code	Description	Rock description
A	432m NE	WMGR-ARTDP	Infilled Ground	Artificial Deposit
A	445m E	WMGR-ARTDP	Infilled Ground	Artificial Deposit

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Superficial



Site Outline

Search buffers in metres (m)

Landslip (10k)

Superficial geology (10k)
Please see table for more details.

14.3 Superficial geology (10k)

Records within 500m

3

Superficial geological deposits at 1:10,000 scale. Also known as 'drift', these are the youngest geological deposits, formed during the Quaternary. They rest on older deposits or rocks referred to as bedrock.

Features are displayed on the Geology 1:10,000 scale - Superficial map on **page 126**

ID	Location	LEX Code	Description	Rock description
1	On site	TILLD-DMTN	Till, Devensian - Diamicton	Diamicton
2	317m SE	ALV-XCZSV	Alluvium - Clay, Silt, Sand And Gravel	Clay, Silt, Sand And Gravel
3	467m SE	TILLD-DMTN	Till, Devensian - Diamicton	Diamicton



This data is sourced from the British Geological Survey.

14.4 Landslip (10k)

Records within 500m

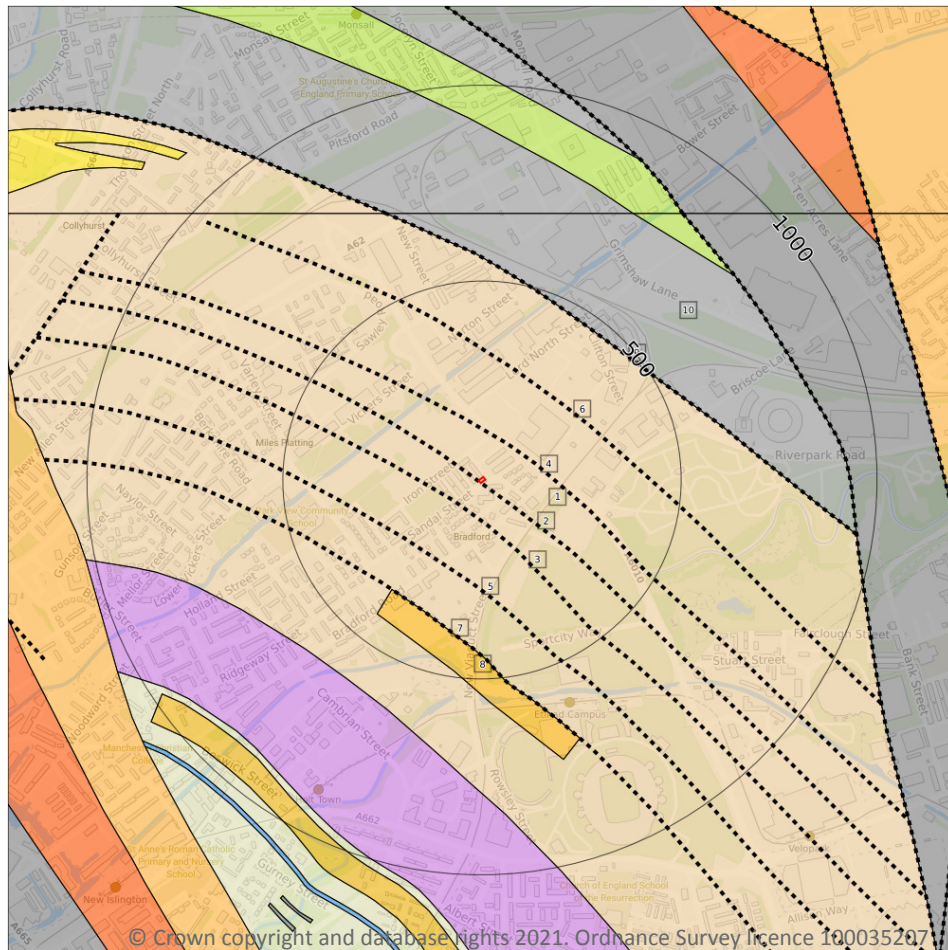
0

Mass movement deposits on BGS geological maps at 1:10,000 scale. Primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground.

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Bedrock



Site Outline

Search buffers in metres (m)

..... Bedrock faults and other linear features (10k)

Bedrock geology (10k)
Please see table for more details.

14.5 Bedrock geology (10k)

Records within 500m

3

Bedrock geology at 1:10,000 scale. The main mass of rocks forming the Earth and present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

Features are displayed on the Geology 1:10,000 scale - Bedrock map on **page 128**

ID	Location	LEX Code	Description	Rock age
1	On site	PUCM-MDSS	Pennine Upper Coal Measures Formation - Mudstone, Siltstone And Sandstone	Westphalian D Sub-age - Bolsovian Sub-age
8	352m SW	OPS-SDST	Openshaw Sandstone - Sandstone	Bolsovian Sub-age
10	467m NE	PMCM-MDSS	Pennine Middle Coal Measures Formation - Mudstone, Siltstone And Sandstone	Bolsovian Sub-age - Duckmantian Sub-age

This data is sourced from the British Geological Survey.

14.6 Bedrock faults and other linear features (10k)

Records within 500m

7

Linear features at the ground or bedrock surface at 1:10,000 scale of six main types; rock, fault, fold axis, mineral vein, alteration area or landform. Features are either observed or inferred, and relate primarily to bedrock.

Features are displayed on the Geology 1:10,000 scale - Bedrock map on **page 128**

ID	Location	Category	Description
2	On site	ROCK	Coal seam, inferred
3	77m SW	ROCK	Coal seam, inferred
4	104m NE	ROCK	Coal seam, inferred
5	225m SW	ROCK	Coal seam, inferred
6	269m NE	ROCK	Coal seam, inferred
7	352m SW	ROCK	Coal seam, inferred
9	467m NE	FOSSIL_HORIZON	Fossil horizon, marine band coincident with bedrock geology boundary

This data is sourced from the British Geological Survey.



15 Geology 1:50,000 scale - Availability



— Site Outline

Search buffers in metres (m)

□ Geological map tile

15.1 50k Availability

Records within 500m

1

An indication on the coverage of 1:50,000 scale geology data for the site. Either 'Full' or 'No coverage' for each geological theme.

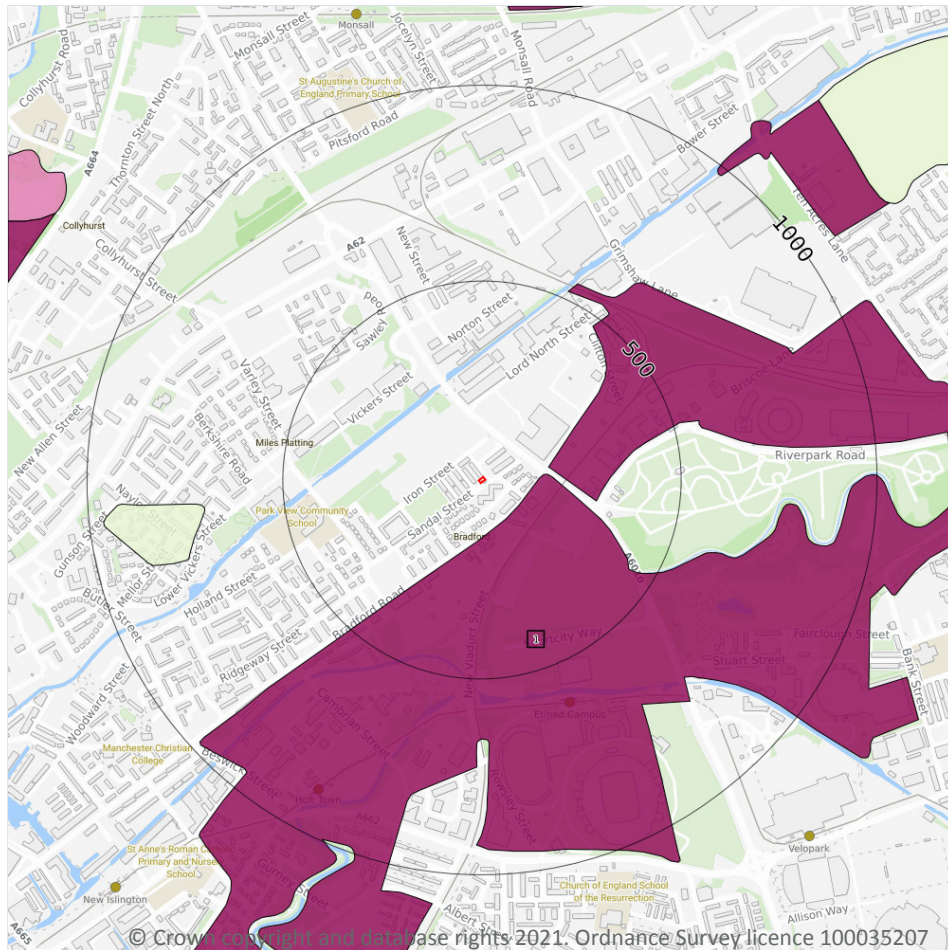
Features are displayed on the Geology 1:50,000 scale - Availability map on **page 130**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	No coverage	Full	Full	No coverage	EW085_manchester_v4

This data is sourced from the British Geological Survey.



Geology 1:50,000 scale - Artificial and made ground



- Site Outline
- Search buffers in metres (m)
- Made ground
 - Worked ground
 - Infilled ground
 - Disturbed ground
 - Landscaped ground

15.2 Artificial and made ground (50k)

Records within 500m

1

Details of made, worked, infilled, disturbed and landscaped ground at 1:50,000 scale. Artificial ground can be associated with potentially contaminated material, unpredictable engineering conditions and instability.

Features are displayed on the Geology 1:50,000 scale - Artificial and made ground map on **page 131**

ID	Location	LEX Code	Description	Rock description
1	107m SE	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT

This data is sourced from the British Geological Survey.



15.3 Artificial ground permeability (50k)

Records within 50m

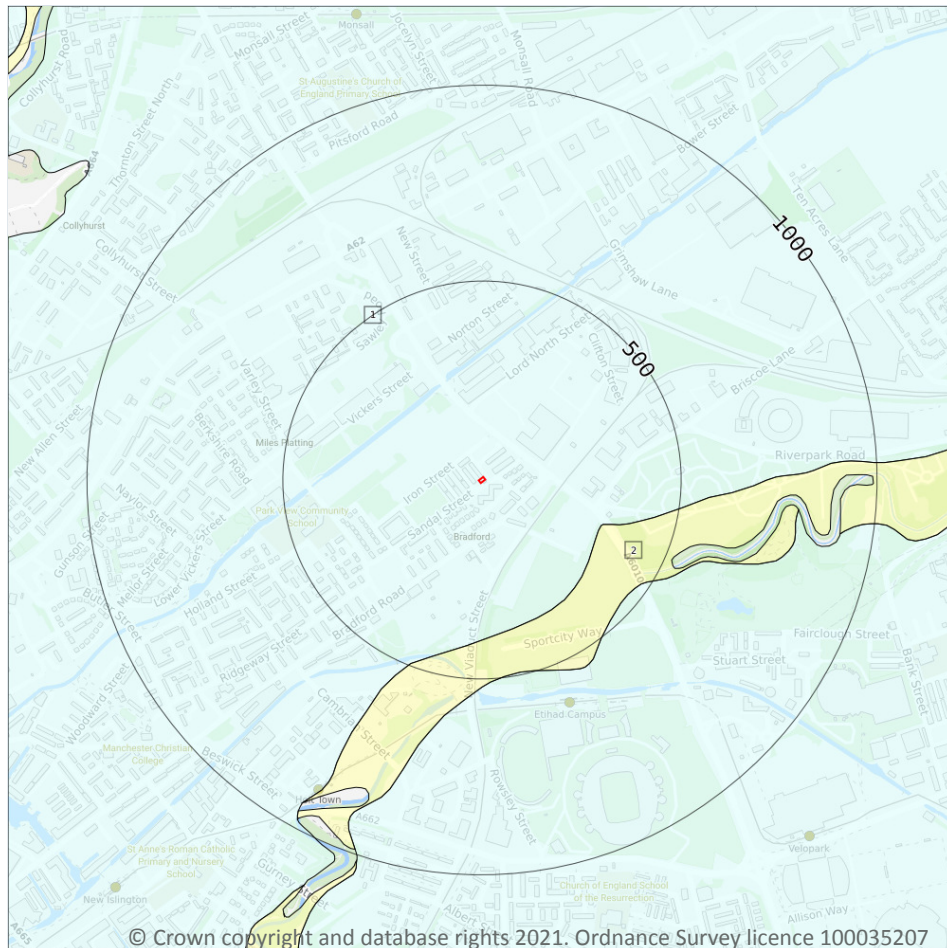
0

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any artificial deposits (the zone between the land surface and the water table).

This data is sourced from the British Geological Survey.



Geology 1:50,000 scale - Superficial



Site Outline

Search buffers in metres (m)

Landslip (50k)

Superficial geology (50k)
Please see table for more details.

15.4 Superficial geology (50k)

Records within 500m

2

Superficial geological deposits at 1:50,000 scale. Also known as 'drift', these are the youngest geological deposits, formed during the Quaternary. They rest on older deposits or rocks referred to as bedrock.

Features are displayed on the Geology 1:50,000 scale - Superficial map on **page 133**

ID	Location	LEX Code	Description	Rock description
1	On site	TILLD-DMTN	TILL, DEVANSIAN	DIAMICTON
2	317m SE	ALV-XCZSV	ALLUVIUM	CLAY, SILT, SAND AND GRAVEL

This data is sourced from the British Geological Survey.



15.5 Superficial permeability (50k)

Records within 50m**1**

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any superficial deposits (the zone between the land surface and the water table).

Location	Flow type	Maximum permeability	Minimum permeability
On site	Mixed	High	Low

This data is sourced from the British Geological Survey.

15.6 Landslip (50k)

Records within 500m**0**

Mass movement deposits on BGS geological maps at 1:50,000 scale. Primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground.

This data is sourced from the British Geological Survey.

15.7 Landslip permeability (50k)

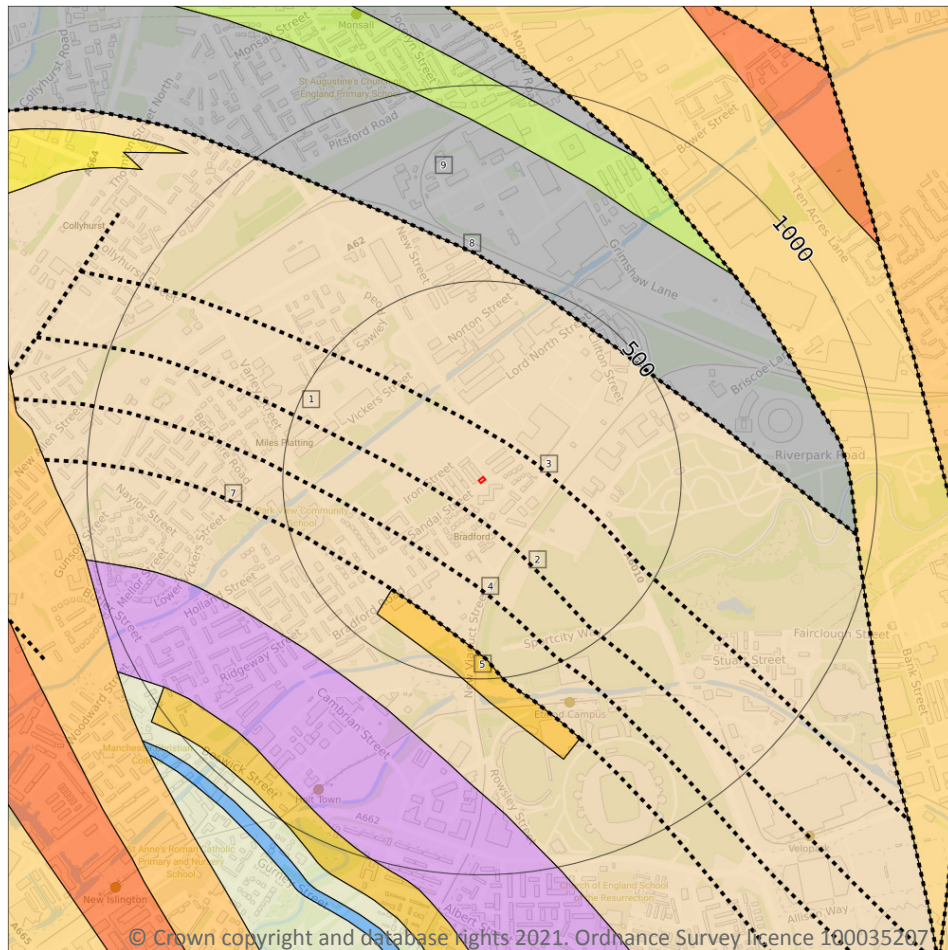
Records within 50m**0**

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any landslip deposits (the zone between the land surface and the water table).

This data is sourced from the British Geological Survey.



Geology 1:50,000 scale - Bedrock



— Site Outline

Search buffers in metres (m)

.... Bedrock faults and other linear features (50k)

Bedrock geology (50k)
Please see table for more details.

15.8 Bedrock geology (50k)

Records within 500m

3

Bedrock geology at 1:50,000 scale. The main mass of rocks forming the Earth and present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

Features are displayed on the Geology 1:50,000 scale - Bedrock map on **page 135**

ID	Location	LEX Code	Description	Rock age
1	On site	PUCM-MDSS	PENNINE UPPER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
5	352m SW	OPS-SDST	OPENSHAW SANDSTONE - SANDSTONE	WESTPHALIAN
9	467m NE	PMCM-MDSS	PENNINE MIDDLE COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN



This data is sourced from the British Geological Survey.

15.9 Bedrock permeability (50k)

Records within 50m

1

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of bedrock (the zone between the land surface and the water table).

Location	Flow type	Maximum permeability	Minimum permeability
On site	Fracture	Moderate	Low

This data is sourced from the British Geological Survey.

15.10 Bedrock faults and other linear features (50k)

Records within 500m

6

Linear features at the ground or bedrock surface at 1:50,000 scale of six main types; rock, fault, fold axis, mineral vein, alteration area or landform. Features are either observed or inferred, and relate primarily to bedrock.

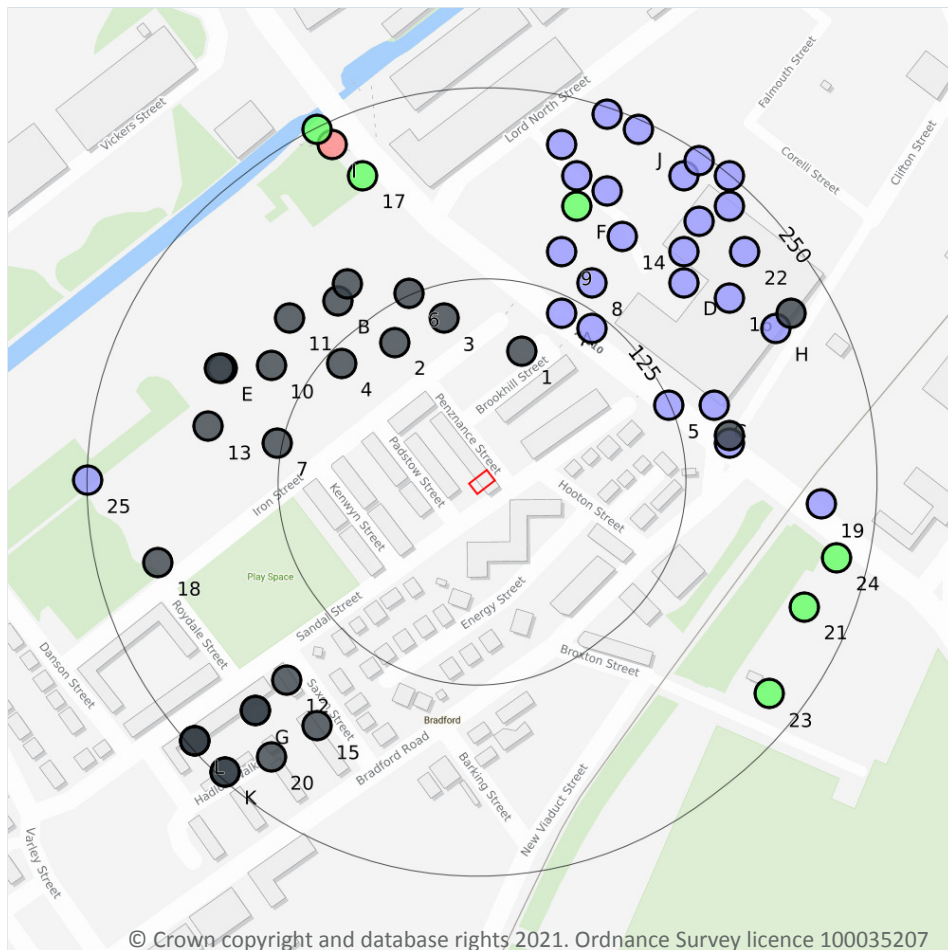
Features are displayed on the Geology 1:50,000 scale - Bedrock map on **page 135**

ID	Location	Category	Description
2	78m SW	ROCK	Coal seam, inferred
3	105m NE	ROCK	Coal seam, inferred
4	225m SW	ROCK	Coal seam, inferred
6	352m SW	ROCK	Coal seam, inferred
7	354m SW	ROCK	Coal seam, inferred
8	467m NE	FOSSIL_HORIZON	Marine band

This data is sourced from the British Geological Survey.



16 Boreholes



- Site Outline**
- Search buffers in metres (m)**
- Confidential
 - 0 - 10m
 - 10 - 30m
 - 30m+
 - Unknown

16.1 BGS Boreholes

Records within 250m

58

The Single Onshore Boreholes Index (SOBI); an index of over one million records of boreholes, shafts and wells from all forms of drilling and site investigation work held by the British Geological Survey. Covering onshore and nearshore boreholes dating back to at least 1790 and ranging from one to several thousand metres deep.

Features are displayed on the Boreholes map on **page 137**

ID	Location	Grid reference	Name	Length	Confidential	Web link
1	81m N	386474 399405	Miles Platting BH5E01	-	Y	N/A
2	103m NW	386391 399411	Miles Platting TP702	-	Y	N/A
3	104m N	386423 399427	Miles Platting BH701	-	Y	N/A



ID	Location	Grid reference	Name	Length	Confidential	Web link
A	114m NE	386500 399430	ALAN TURING WAY MILES PLATTING MANCHESTER TP15	3.1	N	15989208
4	115m NW	386356 399397	Miles Platting TP704	-	Y	N/A
A	115m NE	386520 399420	ALAN TURING WAY MILES PLATTING MANCHESTER 11	9.0	N	15989190
5	124m NE	386570 399370	ALAN TURING WAY MILES PLATTING MANCHESTER TP16	3.8	N	15989209
6	126m NW	386400 399443	Miles Platting TP701	-	Y	N/A
7	128m W	386314 399345	Miles Platting TP707	-	Y	N/A
8	141m NE	386520 399450	ALAN TURING WAY MILES PLATTING MANCHESTER 10	9.0	N	15989189
B	147m NW	386354 399438	Miles Platting TP703	-	Y	N/A
9	151m N	386500 399470	ALAN TURING WAY MILES PLATTING MANCHESTER 9	10.0	N	15989188
10	151m NW	386310 399396	Miles Platting TP706	-	Y	N/A
B	152m NW	386360 399449	Miles Platting RBH3	-	Y	N/A
C	152m E	386600 399370	ALAN TURING WAY MILES PLATTING MANCHESTER 12	10.0	N	15989191
C	156m E	386610 399345	MANCHESTER CORP. CLIFTON STREET	6.1	N	936456
C	156m E	386610 399350	CLIFTON STREET 1	-	Y	N/A
11	160m NW	386322 399427	Miles Platting TP705	-	Y	N/A
12	174m SW	386320 399190	SANDAL COURT AND SANDAL STREET ANCOATS MANCHESTER 205	-	Y	N/A
13	175m W	386269 399356	Miles Platting BH5W01	-	Y	N/A
14	177m NE	386540 399480	ALAN TURING WAY MILES PLATTING MANCHESTER 6	10.0	N	15989185
D	178m NE	386580 399450	ALAN TURING WAY MILES PLATTING MANCHESTER 7	10.0	N	15989186
E	178m NW	386278 399394	Miles Platting BH702A	-	Y	N/A
E	180m NW	386276 399394	Miles Platting BH702	-	Y	N/A
F	182m N	386510 399500	ALAN TURING WAY MILES PLATTING MANCHESTER 5	11.0	N	15989184



ID	Location	Grid reference	Name	Length	Confidential	Web link
15	184m SW	386340 399160	SANDAL COURT AND SANDAL STREET ANCOATS MANCHESTER 202	-	Y	N/A
D	192m NE	386580 399470	ALAN TURING WAY MILES PLATTING MANCHESTER TP13	4.0	N	15989206
16	195m NE	386610 399440	ALAN TURING WAY MILES PLATTING MANCHESTER TP14	4.0	N	15989207
F	199m NE	386530 399510	ALAN TURING WAY MILES PLATTING MANCHESTER TP11	4.0	N	15989203
F	201m N	386510 399520	ALAN TURING WAY MILES PLATTING MANCHESTER TP10	3.9	N	15989202
G	203m SW	386300 399170	SANDAL COURT AND SANDAL STREET ANCOATS MANCHESTER 201	-	Y	N/A
G	203m SW	386300 399170	SANDAL COURT AND SANDAL STREET ANCOATS MANCHESTER TP 202	-	Y	N/A
H	209m NE	386640 399420	ALAN TURING WAY MILES PLATTING MANCHESTER 8	9.0	N	15989187
17	209m NW	386370 399520	I. R. R. ACCESS RAMP 2	15.2	N	937091
18	210m W	386236 399267	Miles Platting TP5W01	-	Y	N/A
D	214m NE	386590 399490	ALAN TURING WAY MILES PLATTING MANCHESTER TP7	3.95	N	15989199
19	214m E	386670 399305	MANCHESTER CORP. HULME HALL LANE	6.1	N	936457
F	218m N	386500 399540	ALAN TURING WAY MILES PLATTING MANCHESTER TP9	3.9	N	15989201
20	218m SW	386310 399140	SANDAL COURT AND SANDAL STREET ANCOATS MANCHESTER TP 204	-	Y	N/A
21	219m E	386659 399238	MANCHESTER CORP. GAS WORKS BRADFORD ROAD 4	12.19	N	936489
22	221m NE	386620 399470	ALAN TURING WAY MILES PLATTING MANCHESTER TP8	4.0	N	15989200
H	222m NE	386650 399430	CLIFTON STREET 2	-	Y	N/A
23	228m SE	386636 399181	MANCHESTER CORP. GAS WORKS BRADFORD ROAD 3	18.29	N	936490
24	229m E	386680 399270	INTERMEDIATE RING ROAD GW1	21.1	N	936934
D	232m NE	386580 399520	ALAN TURING WAY MILES PLATTING MANCHESTER TP6	4.0	N	15989198



ID	Location	Grid reference	Name	Length	Confidential	Web link
D	235m NE	386610 399500	ALAN TURING WAY MILES PLATTING MANCHESTER 3	10.0	N	15989182
I	235m NW	386350 399540	I. R. R. ACCESS RAMP 1	31.0	N	937090
J	244m NE	386550 399550	ALAN TURING WAY MILES PLATTING MANCHESTER TP5	3.8	N	15989197
K	245m SW	386280 399130	SANDAL COURT AND SANDAL STREET ANCOATS MANCHESTER 204	-	Y	N/A
K	245m SW	386280 399130	SANDAL COURT AND SANDAL STREET ANCOATS MANCHESTER TP 205	-	Y	N/A
D	246m NE	386590 399530	ALAN TURING WAY MILES PLATTING MANCHESTER 2	10.0	N	15989181
J	246m N	386530 399560	ALAN TURING WAY MILES PLATTING MANCHESTER TP4	4.0	N	15989196
L	246m SW	386260 399150	SANDAL COURT AND SANDAL STREET ANCOATS MANCHESTER TP 201	-	Y	N/A
L	246m SW	386260 399150	SANDAL COURT AND SANDAL STREET ANCOATS MANCHESTER 203	-	Y	N/A
L	246m SW	386260 399150	SANDAL COURT AND SANDAL STREET ANCOATS MANCHESTER TP 203	-	Y	N/A
I	249m NW	386340 399550	INTERMEDIATE RING ROAD HC4	25.0	N	936927
25	250m W	386190 399321	COLESHILL STREET MANCHESTER 2	10.0	N	15637515
D	250m NE	386610 399520	ALAN TURING WAY MILES PLATTING MANCHESTER TP2	4.0	N	15989194

This data is sourced from the British Geological Survey.



17 Natural ground subsidence - Shrink swell clays



- Site Outline
- Search buffers in metres (m)
- ☐ No data
 - ☐ Negligible
 - ☐ Very low
 - ☐ Low
 - ☐ Moderate
 - ☐ High

17.1 Shrink swell clays

Records within 50m

1

The potential hazard presented by soils that absorb water when wet (making them swell), and lose water as they dry (making them shrink). This shrink-swell behaviour is controlled by the type and amount of clay in the soil, and by seasonal changes in the soil moisture content (related to rainfall and local drainage).

Features are displayed on the Natural ground subsidence - Shrink swell clays map on **page 141**

Location	Hazard rating	Details
On site	Very low	Ground conditions predominantly low plasticity.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Running sands



- Site Outline
- Search buffers in metres (m)
- ☐ No data
 - ☐ Negligible
 - ☐ Very low
 - ☐ Low
 - ☐ Moderate
 - ☐ High

17.2 Running sands

Records within 50m

1

The potential hazard presented by rocks that can contain loosely-packed sandy layers that can become fluidised by water flowing through them. Such sands can 'run', removing support from overlying buildings and causing potential damage.

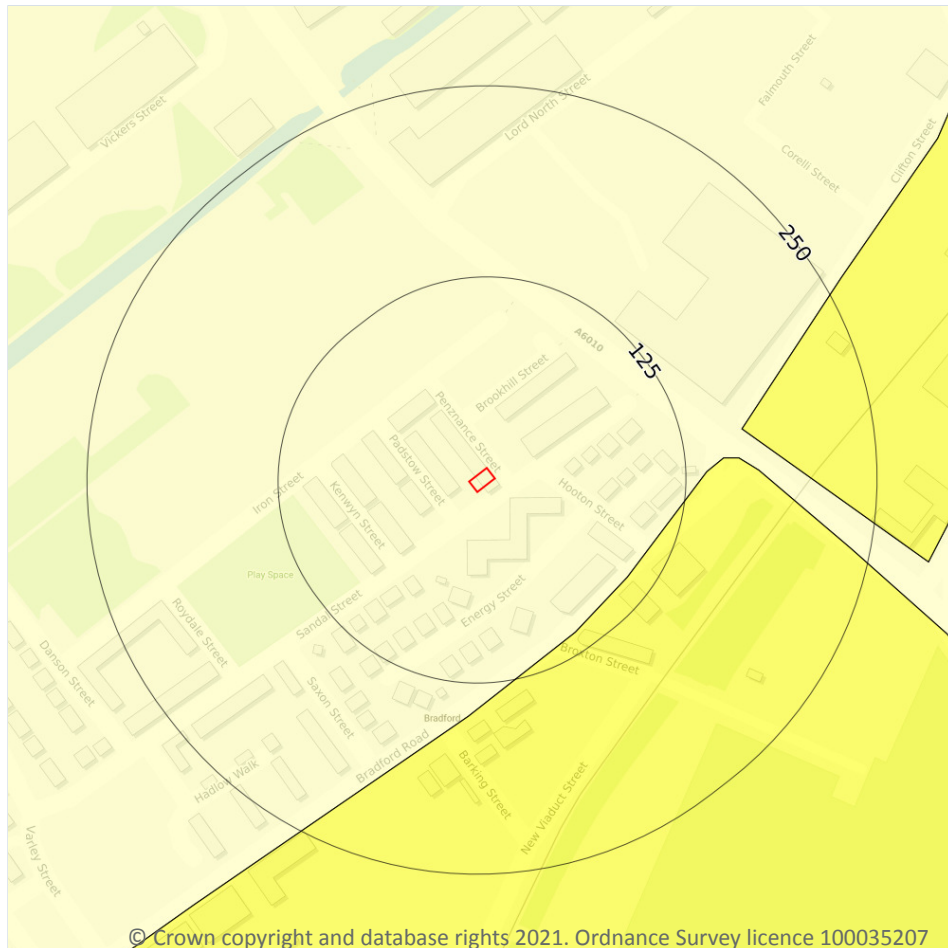
Features are displayed on the Natural ground subsidence - Running sands map on **page 142**

Location	Hazard rating	Details
On site	Very low	Running sand conditions are unlikely. No identified constraints on land use due to running conditions unless water table rises rapidly.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Compressible deposits



- Site Outline
- Search buffers in metres (m)
- ☐ No data
 - ☐ Negligible
 - ☐ Very low
 - ☐ Low
 - ☐ Moderate
 - ☐ High

17.3 Compressible deposits

Records within 50m

1

The potential hazard presented by types of ground that may contain layers of very soft materials like clay or peat and may compress if loaded by overlying structures, or if the groundwater level changes, potentially resulting in depression of the ground and disturbance of foundations.

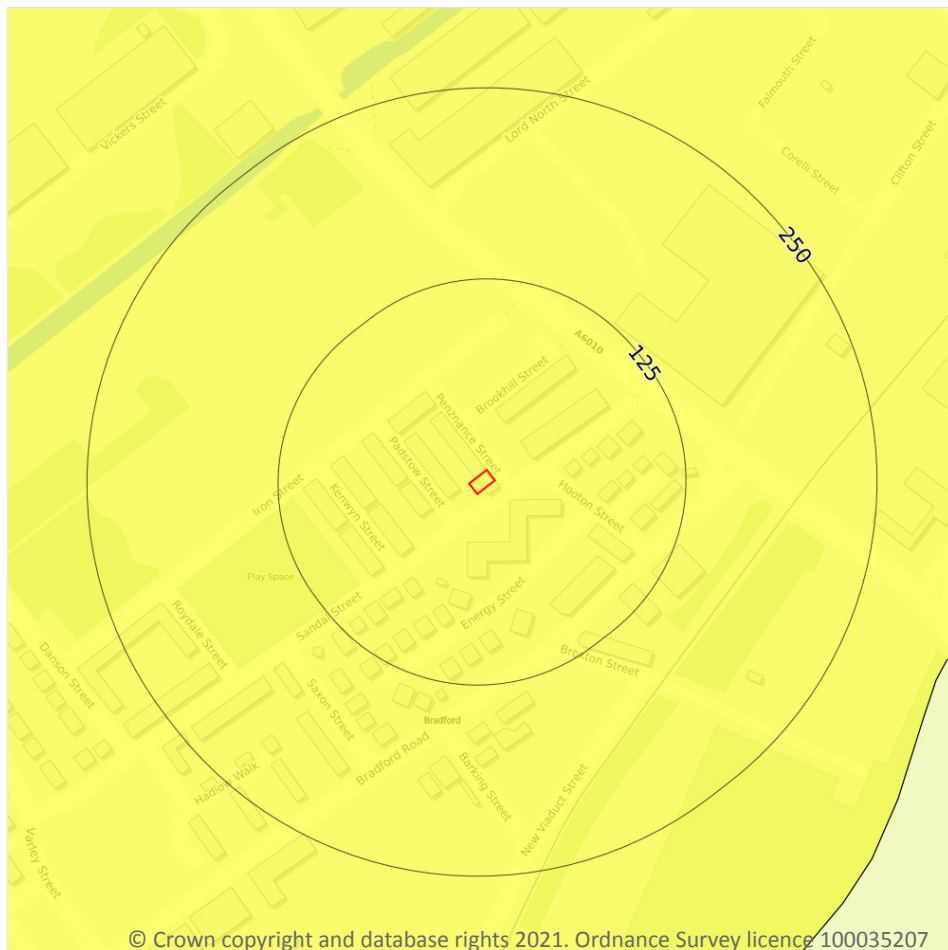
Features are displayed on the Natural ground subsidence - Compressible deposits map on **page 143**

Location	Hazard rating	Details
On site	Negligible	Compressible strata are not thought to occur.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Collapsible deposits



- Site Outline
- Search buffers in metres (m)
- ☐ No data
 - ☐ Negligible
 - ☐ Very low
 - ☐ Low
 - ☐ Moderate
 - ☐ High

17.4 Collapsible deposits

Records within 50m

1

The potential hazard presented by natural deposits that could collapse when a load (such as a building) is placed on them or they become saturated with water.

Features are displayed on the Natural ground subsidence - Collapsible deposits map on **page 144**

Location	Hazard rating	Details
On site	Very low	Deposits with potential to collapse when loaded and saturated are unlikely to be present.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Landslides



- Site Outline
- Search buffers in metres (m)
- ☐ No data
 - ☐ Negligible
 - ☐ Very low
 - ☐ Low
 - ☐ Moderate
 - ☐ High

17.5 Landslides

Records within 50m

1

The potential for landsliding (slope instability) to be a hazard assessed using 1:50,000 scale digital maps of superficial and bedrock deposits, combined with information from the BGS National Landslide Database and scientific and engineering reports.

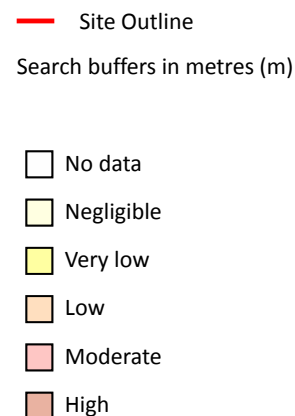
Features are displayed on the Natural ground subsidence - Landslides map on **page 145**

Location	Hazard rating	Details
On site	Very low	Slope instability problems are not likely to occur but consideration to potential problems of adjacent areas impacting on the site should always be considered.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Ground dissolution of soluble rocks



17.6 Ground dissolution of soluble rocks

Records within 50m

1

The potential hazard presented by ground dissolution, which occurs when water passing through soluble rocks produces underground cavities and cave systems. These cavities reduce support to the ground above and can cause localised collapse of the overlying rocks and deposits.

Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on **page 146**

Location	Hazard rating	Details
On site	Negligible	Soluble rocks are either not thought to be present within the ground, or not prone to dissolution. Dissolution features are unlikely to be present.

This data is sourced from the British Geological Survey.



18 Mining, ground workings and natural cavities



- Site Outline
- Search buffers in metres (m)
- ▢ Natural cavities (Area)
- Natural cavities (Point)
- BritPits
- ▢ Surface ground workings
- ▢ Underground workings
- ▢ Historical Mineral Planning Areas
- Mining Cavities
- Non Coal Mining
- ▢ Sporadic underground mining of restricted extent possible
- ▢ Localised small scale underground mining possible
- ▢ Small scale mining possible
- ▢ Underground mining known or likely within or in close proximity
- ▢ Underground mining known within or in very close proximity

18.1 Natural cavities

Records within 500m

0

Industry recognised national database of natural cavities. Sinkholes and caves are formed by the dissolution of soluble rock, such as chalk and limestone, gulls and fissures by cambering. Ground instability can result from movement of loose material contained within these cavities, often triggered by water.

This data is sourced from Stantec UK Ltd.



18.2 BritPits

Records within 500m

2

BritPits (an abbreviation of British Pits) is a database maintained by the British Geological Survey of currently active and closed surface and underground mineral workings. Details of major mineral handling sites, such as wharfs and rail depots are also held in the database.

Features are displayed on the Mining, ground workings and natural cavities map on **page 148**

ID	Location	Details	Description
A	170m NE	Name: Miles Platting Brick Works Address: Miles Platting, MANCHESTER, Lancashire Commodity: Clay & Shale Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
I	473m SW	Name: Glenden Hall Brick Field Address: Miles Platting, MANCHESTER, Lancashire Commodity: Clay & Shale Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority

This data is sourced from the British Geological Survey.

18.3 Surface ground workings

Records within 250m

21

Historical land uses identified from Ordnance Survey mapping that involved ground excavation at the surface. These features may or may not have been subsequently backfilled.

Features are displayed on the Mining, ground workings and natural cavities map on **page 148**

ID	Location	Land Use	Year of mapping	Mapping scale
1	92m S	Coal Pits	1851	1:10560
2	108m SE	Pond	1851	1:10560
A	121m NE	Brick Works	1891	1:10560
3	121m NW	Pond	1891	1:10560
B	122m SE	Brick Works	1891	1:10560
4	125m SW	Coal Pits	1851	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
B	126m SE	Unspecified Pit	1906	1:10560
A	134m NE	Unspecified Heaps	1891	1:10560
5	179m SE	Refuse Heap	1891	1:10560
6	205m W	Pond	1891	1:10560
C	237m NW	Disused Canal	1991	1:10000
C	240m NW	Disused Canal	1985	1:10000
C	240m NW	Canal	1978	1:10000
C	243m NW	Canal	1938	1:10560
C	243m NW	Canal	1933	1:10560
C	243m NW	Canal	1921	1:10560
C	243m NW	Canal	1906	1:10560
C	243m NW	Canal	1891	1:10560
C	243m NW	Canal	1923	1:10560
C	244m NW	Canal	1968	1:10560
C	244m NW	Canal	1956	1:10560

This is data is sourced from Ordnance Survey/Groundsure.

18.4 Underground workings

Records within 1000m

3

Historical land uses identified from Ordnance Survey mapping that indicate the presence of underground workings e.g. mine shafts.

Features are displayed on the Mining, ground workings and natural cavities map on **page 148**

ID	Location	Land Use	Year of mapping	Mapping scale
-	965m SE	Colliery	1923	1:10560
-	967m SE	Colliery	1921	1:10560
-	967m SE	Colliery	1906	1:10560

This is data is sourced from Ordnance Survey/Groundsure.



18.5 Historical Mineral Planning Areas

Records within 500m

0

Boundaries of mineral planning permissions for England and Wales. This data was collated between the 1940s (and retrospectively to the 1930s) and the mid 1980s. The data includes permitted, withdrawn and refused permissions.

This data is sourced from the British Geological Survey.

18.6 Non-coal mining

Records within 1000m

1

The potential for historical non-coal mining to have affected an area. The assessment is drawn from expert knowledge and literature in addition to the digital geological map of Britain. Mineral commodities may be divided into seven general categories - vein minerals, chalk, oil shale, building stone, bedded ores, evaporites and 'other' commodities (including ball clay, jet, black marble, graphite and chert).

Features are displayed on the Mining, ground workings and natural cavities map on **page 148**

ID	Location	Name	Commodity	Class	Likelihood
15	623m SW	Not available	Vein Mineral	A	Sporadic underground mining of restricted extent may have occurred. Potential for difficult ground conditions are unlikely and localised and are at a level where they need not be considered

This data is sourced from the British Geological Survey.

18.7 Mining cavities

Records within 1000m

0

Industry recognised national database of mining cavities. Degraded mines may result in hazardous subsidence (crown holes). Climatic conditions and water escape can also trigger subsidence over mine entrances and workings.

This data is sourced from Stantec UK Ltd.

18.8 JPB mining areas

Records on site

1

Areas which could be affected by former coal and other mining. This data includes some mine plans unavailable to the Coal Authority.



Location	Details
On site	In addition to being located inside an area where The Coal Authority have information on coal mining activities, Johnson Poole & Bloomer (JPB) have information such as mining plans and maps held within their archive of mining activities that have occurred within 1km of this property which may supplement this information. Please note, the plans held by JPB may also relate to non-mining records. Further details and a quote for services (if appropriate) can be obtained by emailing this report to enquiries.gs@jpb.co.uk .

This data is sourced from Johnson Poole and Bloomer.

18.9 Coal mining

Records on site	1
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Areas which could be affected by past, current or future coal mining.

Location	Details
On site	The site is located within a coal mining area as defined by the Coal Authority. A Consultants Coal Mining Report is recommended to further assess coal mining issues at the site. This can be ordered directly through Groundsure or your preferred search provider.

This data is sourced from the Coal Authority.

18.10 Brine areas

Records on site	0
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The Cheshire Brine Compensation District indicates areas that may be affected by salt and brine extraction in Cheshire and where compensation would be available where damage from this mining has occurred. Damage from salt and brine mining can still occur outside this district, but no compensation will be available.

This data is sourced from the Cheshire Brine Subsidence Compensation Board.

18.11 Gypsum areas

Records on site	0
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Generalised areas that may be affected by gypsum extraction.

This data is sourced from British Gypsum.

18.12 Tin mining

Records on site	0
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Generalised areas that may be affected by historical tin mining.

This data is sourced from Mining Searches UK.

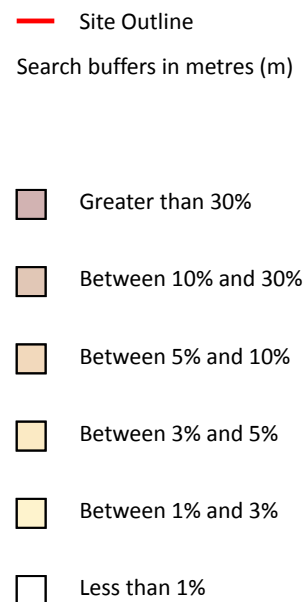
18.13 Clay mining

Records on site	0
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Generalised areas that may be affected by kaolin and ball clay extraction.

This data is sourced from the Kaolin and Ball Clay Association (UK).

19 Radon



19.1 Radon

Records on site

1

Estimated percentage of dwellings exceeding the Radon Action Level. This data is the highest resolution radon dataset available for the UK and is produced to a 75m level of accuracy to allow for geological data accuracy and a 'residential property' buffer. The findings of this section should supersede any estimations derived from the Indicative Atlas of Radon in Great Britain. The data was derived from both geological assessments and long term measurements of radon in more than 479,000 households.

Features are displayed on the Radon map on **page 154**

Location	Estimated properties affected	Radon Protection Measures required
On site	Less than 1%	None**

This data is sourced from the British Geological Survey and Public Health England.



20 Soil chemistry

20.1 BGS Estimated Background Soil Chemistry

Records within 50m

2

The estimated values provide the likely background concentration of the potentially harmful elements Arsenic, Cadmium, Chromium, Lead and Nickel in topsoil. The values are estimated primarily from rural topsoil data collected at a sample density of approximately 1 per 2 km². In areas where rural soil samples are not available, estimation is based on stream sediment data collected from small streams at a sampling density of 1 per 2.5 km²; this is the case for most of Scotland, Wales and southern England. The stream sediment data are converted to soil-equivalent concentrations prior to the estimation.

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	15 - 25 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
44m E	15 - 25 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg

This data is sourced from the British Geological Survey.

20.2 BGS Estimated Urban Soil Chemistry

Records within 50m

6

Estimated topsoil chemistry of Arsenic, Cadmium, Chromium, Copper, Nickel, Lead, Tin and Zinc and bioaccessible Arsenic and Lead in 23 urban centres across Great Britain. These estimates are derived from interpolation of the measured urban topsoil data referred to above and provide information across each city between the measured sample locations (4 per km²).

Location	Arsenic (mg/kg)	Bioaccessible Arsenic (mg/kg)	Lead (mg/kg)	Bioaccessible Lead (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Copper (mg/kg)	Nickel (mg/kg)	Tin (mg/kg)
On site	35	6.1	56	38	0.3	84	28	35	6
12m S	39	6.8	52	36	0.3	86	28	37	6
40m W	45	7.9	50	34	0.3	89	31	41	5
44m E	27	4.7	59	41	0.3	76	27	30	5
44m SW	53	9.3	51	35	0.3	92	31	44	5
48m SE	27	4.7	59	41	0.3	78	27	30	6



This data is sourced from the British Geological Survey.

20.3 BGS Measured Urban Soil Chemistry

Records within 50m

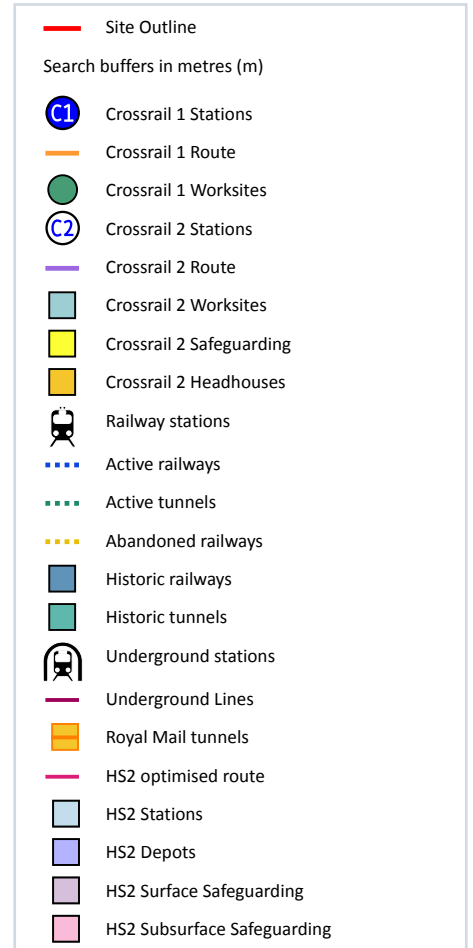
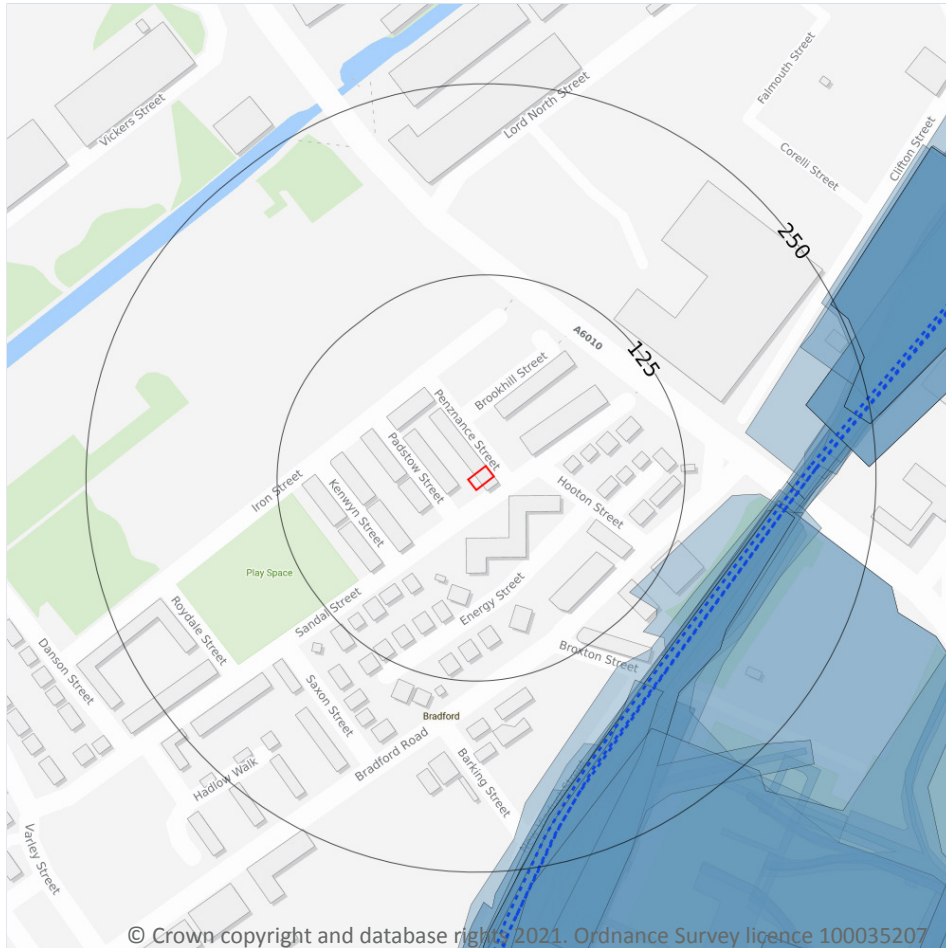
0

The locations and measured total concentrations (mg/kg) of Arsenic, Cadmium, Chromium, Copper, Nickel, Lead, Tin and Zinc in urban topsoil samples from 23 urban centres across Great Britain. These are collected at a sample density of 4 per km².

This data is sourced from the British Geological Survey.



21 Railway infrastructure and projects



21.1 Underground railways (London)

Records within 250m

0

Details of all active London Underground lines, including approximate tunnel roof depth and operational hours.

This data is sourced from publicly available information by Groundsure.

21.2 Underground railways (Non-London)

Records within 250m

0

Details of the Merseyrail system, the Tyne and Wear Metro and the Glasgow Subway. Not all parts of all systems are located underground. The data contains location information only and does not include a depth assessment.



This data is sourced from publicly available information by Groundsure.

21.3 Railway tunnels

Records within 250m

0

Railway tunnels taken from contemporary Ordnance Survey mapping.

This data is sourced from the Ordnance Survey.

21.4 Historical railway and tunnel features

Records within 250m

33

Railways and tunnels digitised from historical Ordnance Survey mapping as scales of 1:1,250, 1:2,500, 1:10,000 and 1:10,560.

Features are displayed on the Railway infrastructure and projects map on **page 157**

Location	Land Use	Year of mapping	Mapping scale
117m SE	Railway Sidings	1938	10560
148m SE	Railway Sidings	1978	10000
157m SE	Railway Sidings	1923	10560
157m SE	Railway Sidings	1968	10560
158m SE	Railways	1908	-
158m SE	Railways	1934	-
159m SE	Railway Sidings	1931	2500
159m SE	Railway Sidings	1933	10560
159m SE	Railway Sidings	1921	10560
159m SE	Railway Sidings	1906	10560
161m SE	Railways	1922	-
161m SE	Railway Sidings	1908	2500
162m SE	Railway Sidings	1891	10560
162m SE	Railway Sidings	1893	2500
167m E	Railway Sidings	1891	10560
168m SE	Railway Sidings	1970	2500
168m SE	Railway Sidings	1949	2500



Location	Land Use	Year of mapping	Mapping scale
180m SE	Railway	1891	-
183m SE	Railway Sidings	1922	2500
190m SE	Railway Sidings	1968	1250
192m E	Railway Sidings	1923	10560
194m SE	Railway Sidings	1956	10560
202m S	Railway	1905	-
209m E	Railway Sidings	1956	10560
209m E	Railway Sidings	1991	10000
209m E	Railway Sidings	1968	10560
216m E	Railway Sidings	1949	2500
218m NE	Railway Sidings	1938	10560
227m E	Railway Sidings	1922	2500
234m E	Railway Sidings	1933	10560
234m E	Railway Sidings	1921	10560
234m E	Railway Sidings	1906	10560
249m SE	Overhead Tramway Sidings	1949	2500

This data is sourced from Ordnance Survey/Groundsure.

21.5 Royal Mail tunnels

Records within 250m

0

The Post Office Railway, otherwise known as the Mail Rail, is an underground railway running through Central London from Paddington Head District Sorting Office to Whitechapel Eastern Head Sorting Office. The line is 10.5km long. The data includes details of the full extent of the tunnels, the depth of the tunnel, and the depth to track level.

This data is sourced from Groundsure/the Postal Museum.



21.6 Historical railways

Records within 250m

0

Former railway lines, including dismantled lines, abandoned lines, disused lines, historic railways and razed lines.

This data is sourced from OpenStreetMap.

21.7 Railways

Records within 250m

12

Currently existing railway lines, including standard railways, narrow gauge, funicular, trams and light railways. Features are displayed on the Railway infrastructure and projects map on **page 157**

Location	Name	Type
161m SE		rail
166m SE		rail
166m SE	Not given	Multi Track
170m SE	Not given	Multi Track
186m E		rail
190m E		rail
192m E	Not given	Multi Track
207m E		rail
209m S	Not given	Multi Track
210m E		rail
211m E	Not given	Multi Track
227m S	Not given	Multi Track

This data is sourced from Ordnance Survey and OpenStreetMap.

21.8 Crossrail 1

Records within 500m

0

The Crossrail railway project links 41 stations over 100 kilometres from Reading and Heathrow in the west, through underground sections in central London, to Shenfield and Abbey Wood in the east.

This data is sourced from publicly available information by Groundsure.



21.9 Crossrail 2

Records within 500m**0**

Crossrail 2 is a proposed railway linking the national rail networks in Surrey and Hertfordshire via an underground tunnel through London.

This data is sourced from publicly available information by Groundsure.

21.10 HS2

Records within 500m**0**

HS2 is a proposed high speed rail network running from London to Manchester and Leeds via Birmingham. Main civils construction on Phase 1 (London to Birmingham) of the project began in 2019, and it is currently anticipated that this phase will be fully operational by 2026. Construction on Phase 2a (Birmingham to Crewe) is anticipated to commence in 2021, with the service fully operational by 2027. Construction on Phase 2b (Crewe to Manchester and Birmingham to Leeds) is scheduled to begin in 2023 and be operational by 2033.

This data is sourced from HS2 Ltd.



Data providers

Groundsure works with respected data providers to bring you the most relevant and accurate information. To find out who they are and their areas of expertise see <https://www.groundsure.com/sources-reference>.

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