

SIMS METAL MANAGEMENT, 22, RONDIN ROAD, MANCHESTER, M12 6BF

### Order Details

**Date:** 18/11/2022  
**Your ref:** JER9618\_PO22-1239  
**Our Ref:** GS-9207653

### Site Details

**Location:** 386212 397329  
**Area:** 1.01 ha  
**Authority:** [Manchester City Council](#)



**Summary of findings**

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**Aerial image**

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**OS MasterMap site plan**

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[groundsure.com/insightuserguide](https://groundsure.com/insightuserguide)

## Summary of findings

Page	Section	Past land use	On site	0-50m	50-250m	250-500m	500-2000m
<a href="#">13</a>	<a href="#">1.1</a>	<a href="#">Historical industrial land uses</a>	25	3	59	94	-
<a href="#">20</a>	<a href="#">1.2</a>	<a href="#">Historical tanks</a>	0	0	7	23	-
<a href="#">22</a>	<a href="#">1.3</a>	<a href="#">Historical energy features</a>	0	2	2	23	-
<a href="#">23</a>	<a href="#">1.4</a>	<a href="#">Historical petrol stations</a>	0	0	2	1	-
<a href="#">23</a>	<a href="#">1.5</a>	<a href="#">Historical garages</a>	0	0	6	18	-
<a href="#">25</a>	<a href="#">1.6</a>	<a href="#">Historical military land</a>	0	0	1	0	-
Page	Section	Past land use - un-grouped	On site	0-50m	50-250m	250-500m	500-2000m
<a href="#">26</a>	<a href="#">2.1</a>	<a href="#">Historical industrial land uses</a>	29	8	77	124	-
<a href="#">35</a>	<a href="#">2.2</a>	<a href="#">Historical tanks</a>	0	0	13	39	-
<a href="#">37</a>	<a href="#">2.3</a>	<a href="#">Historical energy features</a>	0	4	4	49	-
<a href="#">40</a>	<a href="#">2.4</a>	<a href="#">Historical petrol stations</a>	0	0	3	2	-
<a href="#">40</a>	<a href="#">2.5</a>	<a href="#">Historical garages</a>	0	0	9	43	-
Page	Section	Waste and landfill	On site	0-50m	50-250m	250-500m	500-2000m
43	3.1	Active or recent landfill	0	0	0	0	-
43	3.2	Historical landfill (BGS records)	0	0	0	0	-
44	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
44	3.4	Historical landfill (EA/NRW records)	0	0	0	0	-
<a href="#">44</a>	<a href="#">3.5</a>	<a href="#">Historical waste sites</a>	1	2	22	9	-
<a href="#">49</a>	<a href="#">3.6</a>	<a href="#">Licensed waste sites</a>	0	6	9	6	-
<a href="#">55</a>	<a href="#">3.7</a>	<a href="#">Waste exemptions</a>	4	0	0	49	-
Page	Section	Current industrial land use	On site	0-50m	50-250m	250-500m	500-2000m
<a href="#">61</a>	<a href="#">4.1</a>	<a href="#">Recent industrial land uses</a>	3	2	8	-	-
<a href="#">62</a>	<a href="#">4.2</a>	<a href="#">Current or recent petrol stations</a>	0	0	0	2	-
63	4.3	Electricity cables	0	0	0	0	-
63	4.4	Gas pipelines	0	0	0	0	-
63	4.5	Sites determined as Contaminated Land	0	0	0	0	-



63	4.6	Control of Major Accident Hazards (COMAH)	0	0	0	0	-
64	4.7	Regulated explosive sites	0	0	0	0	-
64	4.8	Hazardous substance storage/usage	0	0	0	0	-
64	4.9	Historical licensed industrial activities (IPC)	0	0	0	0	-
64	4.10	Licensed industrial activities (Part A(1))	0	0	0	0	-
<b>64</b>	<b>4.11</b>	<b><u>Licensed pollutant release (Part A(2)/B)</u></b>	<b>1</b>	<b>0</b>	<b>2</b>	<b>8</b>	<b>-</b>
66	4.12	Radioactive Substance Authorisations	0	0	0	0	-
<b>66</b>	<b>4.13</b>	<b><u>Licensed Discharges to controlled waters</u></b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>-</b>
67	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
67	4.15	Pollutant release to public sewer	0	0	0	0	-
67	4.16	List 1 Dangerous Substances	0	0	0	0	-
68	4.17	List 2 Dangerous Substances	0	0	0	0	-
<b>68</b>	<b>4.18</b>	<b><u>Pollution Incidents (EA/NRW)</u></b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>12</b>	<b>-</b>
70	4.19	Pollution inventory substances	0	0	0	0	-
70	4.20	Pollution inventory waste transfers	0	0	0	0	-
70	4.21	Pollution inventory radioactive waste	0	0	0	0	-

Page	Section	Hydrogeology	On site	0-50m	50-250m	250-500m	500-2000m
<b>71</b>	<b>5.1</b>	<b><u>Superficial aquifer</u></b>	Identified (within 500m)				
<b>72</b>	<b>5.2</b>	<b><u>Bedrock aquifer</u></b>	Identified (within 500m)				
<b>74</b>	<b>5.3</b>	<b><u>Groundwater vulnerability</u></b>	Identified (within 50m)				
<b>75</b>	<b>5.4</b>	<b><u>Groundwater vulnerability- soluble rock risk</u></b>	Identified (within 0m)				
75	5.5	Groundwater vulnerability- local information	None (within 0m)				
<b>77</b>	<b>5.6</b>	<b><u>Groundwater abstractions</u></b>	0	0	0	0	33
<b>86</b>	<b>5.7</b>	<b><u>Surface water abstractions</u></b>	0	0	0	0	4
87	5.8	Potable abstractions	0	0	0	0	0
87	5.9	Source Protection Zones	0	0	0	0	-
87	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-

Page	Section	Hydrology	On site	0-50m	50-250m	250-500m	500-2000m
<b>88</b>	<b>6.1</b>	<b><u>Water Network (OS MasterMap)</u></b>	0	0	1	-	-



89	6.2	Surface water features	0	0	0	-	-
<b>89</b>	<b>6.3</b>	<b><u>WFD Surface water body catchments</u></b>	1	-	-	-	-
<b>89</b>	<b>6.4</b>	<b><u>WFD Surface water bodies</u></b>	0	0	0	-	-
<b>90</b>	<b>6.5</b>	<b><u>WFD Groundwater bodies</u></b>	1	-	-	-	-

Page	Section	River and coastal flooding	On site	0-50m	50-250m	250-500m	500-2000m
91	7.1	Risk of flooding from rivers and the sea	None (within 50m)				
91	7.2	Historical Flood Events	0	0	0	-	-
91	7.3	Flood Defences	0	0	0	-	-
92	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
92	7.5	Flood Storage Areas	0	0	0	-	-
93	7.6	Flood Zone 2	None (within 50m)				
93	7.7	Flood Zone 3	None (within 50m)				

Page	Section	Surface water flooding					
<b>94</b>	<b>8.1</b>	<b><u>Surface water flooding</u></b>	1 in 30 year, 0.3m - 1.0m (within 50m)				

Page	Section	Groundwater flooding					
<b>96</b>	<b>9.1</b>	<b><u>Groundwater flooding</u></b>	High (within 50m)				

Page	Section	Environmental designations	On site	0-50m	50-250m	250-500m	500-2000m
97	10.1	Sites of Special Scientific Interest (SSSI)	0	0	0	0	0
97	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
97	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
97	10.4	Special Protection Areas (SPA)	0	0	0	0	0
98	10.5	National Nature Reserves (NNR)	0	0	0	0	0
98	10.6	Local Nature Reserves (LNR)	0	0	0	0	0
98	10.7	Designated Ancient Woodland	0	0	0	0	0
98	10.8	Biosphere Reserves	0	0	0	0	0
99	10.9	Forest Parks	0	0	0	0	0
99	10.10	Marine Conservation Zones	0	0	0	0	0
99	10.11	Green Belt	0	0	0	0	0
99	10.12	Proposed Ramsar sites	0	0	0	0	0



99	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
100	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
100	10.15	Nitrate Sensitive Areas	0	0	0	0	0
<b>100</b>	<b>10.16</b>	<b><u>Nitrate Vulnerable Zones</u></b>	0	0	0	0	<b>1</b>
<b>101</b>	<b>10.17</b>	<b><u>SSSI Impact Risk Zones</u></b>	<b>1</b>	-	-	-	-
102	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
103	11.1	World Heritage Sites	0	0	0	-	-
103	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
103	11.3	National Parks	0	0	0	-	-
103	11.4	Listed Buildings	0	0	0	-	-
104	11.5	Conservation Areas	0	0	0	-	-
104	11.6	Scheduled Ancient Monuments	0	0	0	-	-
104	11.7	Registered Parks and Gardens	0	0	0	-	-

Page	Section	Agricultural designations	On site	0-50m	50-250m	250-500m	500-2000m
<b>105</b>	<b>12.1</b>	<b><u>Agricultural Land Classification</u></b>	Urban (within 250m)				
106	12.2	Open Access Land	0	0	0	-	-
106	12.3	Tree Felling Licences	0	0	0	-	-
106	12.4	Environmental Stewardship Schemes	0	0	0	-	-
106	12.5	Countryside Stewardship Schemes	0	0	0	-	-

Page	Section	Habitat designations	On site	0-50m	50-250m	250-500m	500-2000m
107	13.1	Priority Habitat Inventory	0	0	0	-	-
107	13.2	Habitat Networks	0	0	0	-	-
<b>108</b>	<b>13.3</b>	<b><u>Open Mosaic Habitat</u></b>	0	2	2	-	-
108	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
<b>109</b>	<b>14.1</b>	<b><u>10k Availability</u></b>	Identified (within 500m)				
<b>110</b>	<b>14.2</b>	<b><u>Artificial and made ground (10k)</u></b>	2	0	0	9	-
<b>112</b>	<b>14.3</b>	<b><u>Superficial geology (10k)</u></b>	1	0	0	0	-



113	14.4	Landslip (10k)	0	0	0	0	-
<b>114</b>	<b>14.5</b>	<b><u>Bedrock geology (10k)</u></b>	2	1	2	4	-
<b>115</b>	<b>14.6</b>	<b><u>Bedrock faults and other linear features (10k)</u></b>	0	0	1	0	-
Page	Section	Geology 1:50,000 scale	On site	0-50m	50-250m	250-500m	500-2000m
<b>116</b>	<b>15.1</b>	<b><u>50k Availability</u></b>	Identified (within 500m)				
<b>117</b>	<b>15.2</b>	<b><u>Artificial and made ground (50k)</u></b>	2	0	0	3	-
<b>118</b>	<b>15.3</b>	<b><u>Artificial ground permeability (50k)</u></b>	2	0	-	-	-
<b>119</b>	<b>15.4</b>	<b><u>Superficial geology (50k)</u></b>	1	0	0	0	-
<b>120</b>	<b>15.5</b>	<b><u>Superficial permeability (50k)</u></b>	Identified (within 50m)				
120	15.6	Landslip (50k)	0	0	0	0	-
120	15.7	Landslip permeability (50k)	None (within 50m)				
<b>121</b>	<b>15.8</b>	<b><u>Bedrock geology (50k)</u></b>	2	1	2	4	-
<b>122</b>	<b>15.9</b>	<b><u>Bedrock permeability (50k)</u></b>	Identified (within 50m)				
<b>122</b>	<b>15.10</b>	<b><u>Bedrock faults and other linear features (50k)</u></b>	0	0	1	0	-
Page	Section	Boreholes	On site	0-50m	50-250m	250-500m	500-2000m
<b>123</b>	<b>16.1</b>	<b><u>BGS Boreholes</u></b>	15	2	14	-	-
Page	Section	Natural ground subsidence					
<b>125</b>	<b>17.1</b>	<b><u>Shrink swell clays</u></b>	Very low (within 50m)				
<b>126</b>	<b>17.2</b>	<b><u>Running sands</u></b>	Very low (within 50m)				
<b>127</b>	<b>17.3</b>	<b><u>Compressible deposits</u></b>	Moderate (within 50m)				
<b>129</b>	<b>17.4</b>	<b><u>Collapsible deposits</u></b>	Very low (within 50m)				
<b>130</b>	<b>17.5</b>	<b><u>Landslides</u></b>	Very low (within 50m)				
<b>131</b>	<b>17.6</b>	<b><u>Ground dissolution of soluble rocks</u></b>	Negligible (within 50m)				
Page	Section	Mining, ground workings and natural cavities	On site	0-50m	50-250m	250-500m	500-2000m
133	18.1	Natural cavities	0	0	0	0	-
<b>134</b>	<b>18.2</b>	<b><u>BritPits</u></b>	0	0	2	7	-
<b>135</b>	<b>18.3</b>	<b><u>Surface ground workings</u></b>	0	1	4	-	-
136	18.4	Underground workings	0	0	0	0	0
136	18.5	Historical Mineral Planning Areas	0	0	0	0	-



<a href="#"><u>136</u></a>	<a href="#"><u>18.6</u></a>	<a href="#"><u>Non-coal mining</u></a>	0	1	0	0	1
<a href="#"><u>137</u></a>	<a href="#"><u>18.7</u></a>	<a href="#"><u>Mining cavities</u></a>	0	0	0	0	1
<a href="#"><u>137</u></a>	<a href="#"><u>18.8</u></a>	<a href="#"><u>JPB mining areas</u></a>	Identified (within 0m)				
<a href="#"><u>137</u></a>	<a href="#"><u>18.9</u></a>	<a href="#"><u>Coal mining</u></a>	Identified (within 0m)				
138	18.10	Brine areas	None (within 0m)				
138	18.11	Gypsum areas	None (within 0m)				
138	18.12	Tin mining	None (within 0m)				
138	18.13	Clay mining	None (within 0m)				
Page	Section	Radon					
<a href="#"><u>139</u></a>	<a href="#"><u>19.1</u></a>	<a href="#"><u>Radon</u></a>	Less than 1% (within 0m)				
Page	Section	Soil chemistry	On site	0-50m	50-250m	250-500m	500-2000m
<a href="#"><u>140</u></a>	<a href="#"><u>20.1</u></a>	<a href="#"><u>BGS Estimated Background Soil Chemistry</u></a>	2	1	-	-	-
<a href="#"><u>140</u></a>	<a href="#"><u>20.2</u></a>	<a href="#"><u>BGS Estimated Urban Soil Chemistry</u></a>	4	8	-	-	-
<a href="#"><u>141</u></a>	<a href="#"><u>20.3</u></a>	<a href="#"><u>BGS Measured Urban Soil Chemistry</u></a>	0	1	-	-	-
Page	Section	Railway infrastructure and projects	On site	0-50m	50-250m	250-500m	500-2000m
142	21.1	Underground railways (London)	0	0	0	-	-
142	21.2	Underground railways (Non-London)	0	0	0	-	-
143	21.3	Railway tunnels	0	0	0	-	-
<a href="#"><u>143</u></a>	<a href="#"><u>21.4</u></a>	<a href="#"><u>Historical railway and tunnel features</u></a>	23	10	74	-	-
147	21.5	Royal Mail tunnels	0	0	0	-	-
<a href="#"><u>147</u></a>	<a href="#"><u>21.6</u></a>	<a href="#"><u>Historical railways</u></a>	0	1	6	-	-
<a href="#"><u>148</u></a>	<a href="#"><u>21.7</u></a>	<a href="#"><u>Railways</u></a>	0	19	38	-	-
150	21.8	Crossrail 1	0	0	0	0	-
150	21.9	Crossrail 2	0	0	0	0	-
<a href="#"><u>150</u></a>	<a href="#"><u>21.10</u></a>	<a href="#"><u>HS2</u></a>	2	0	1	5	-

## Recent aerial photograph



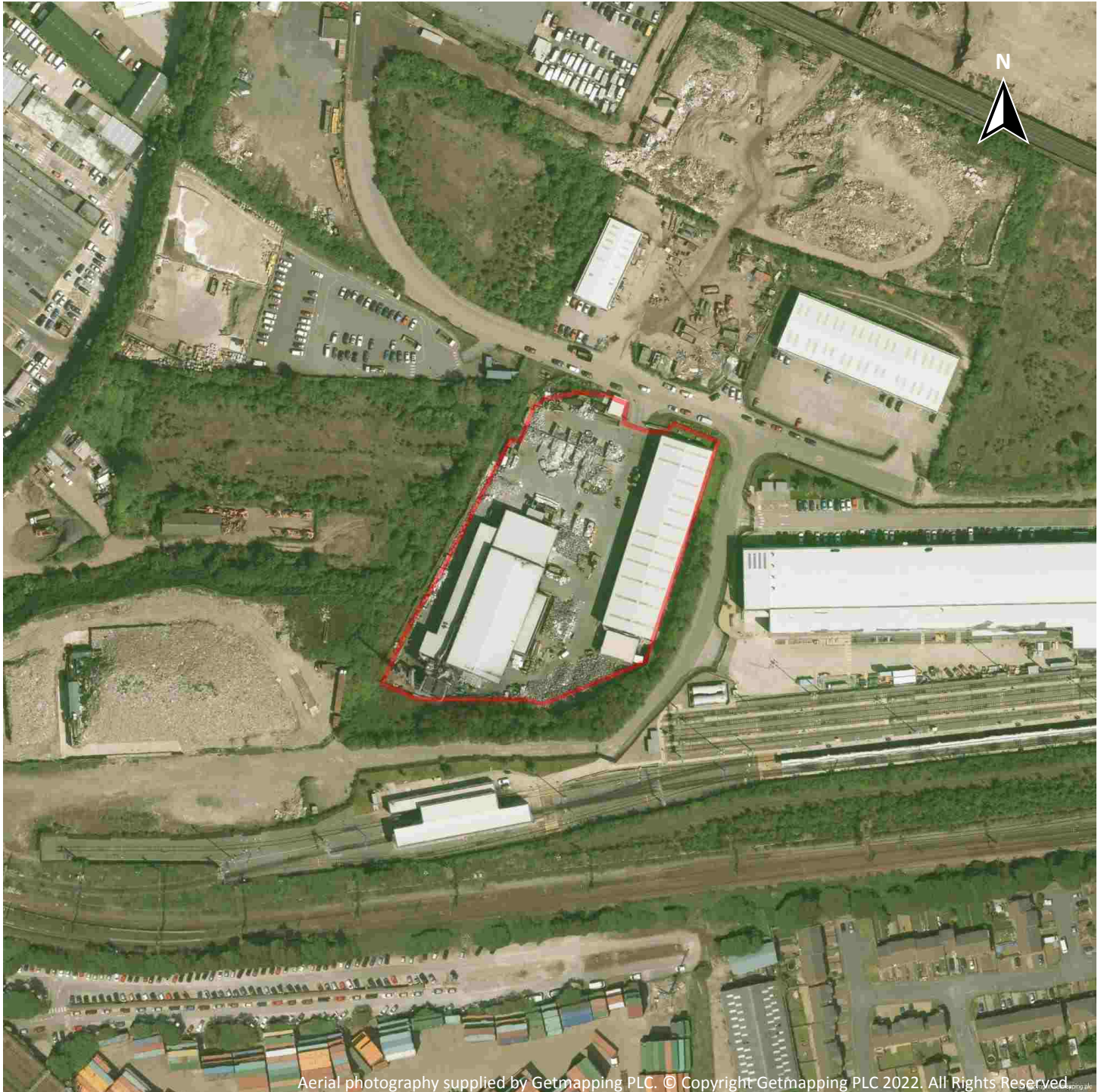
Capture Date: 22/04/2019

Site Area: 1.01ha





## Recent site history - 2015 aerial photograph

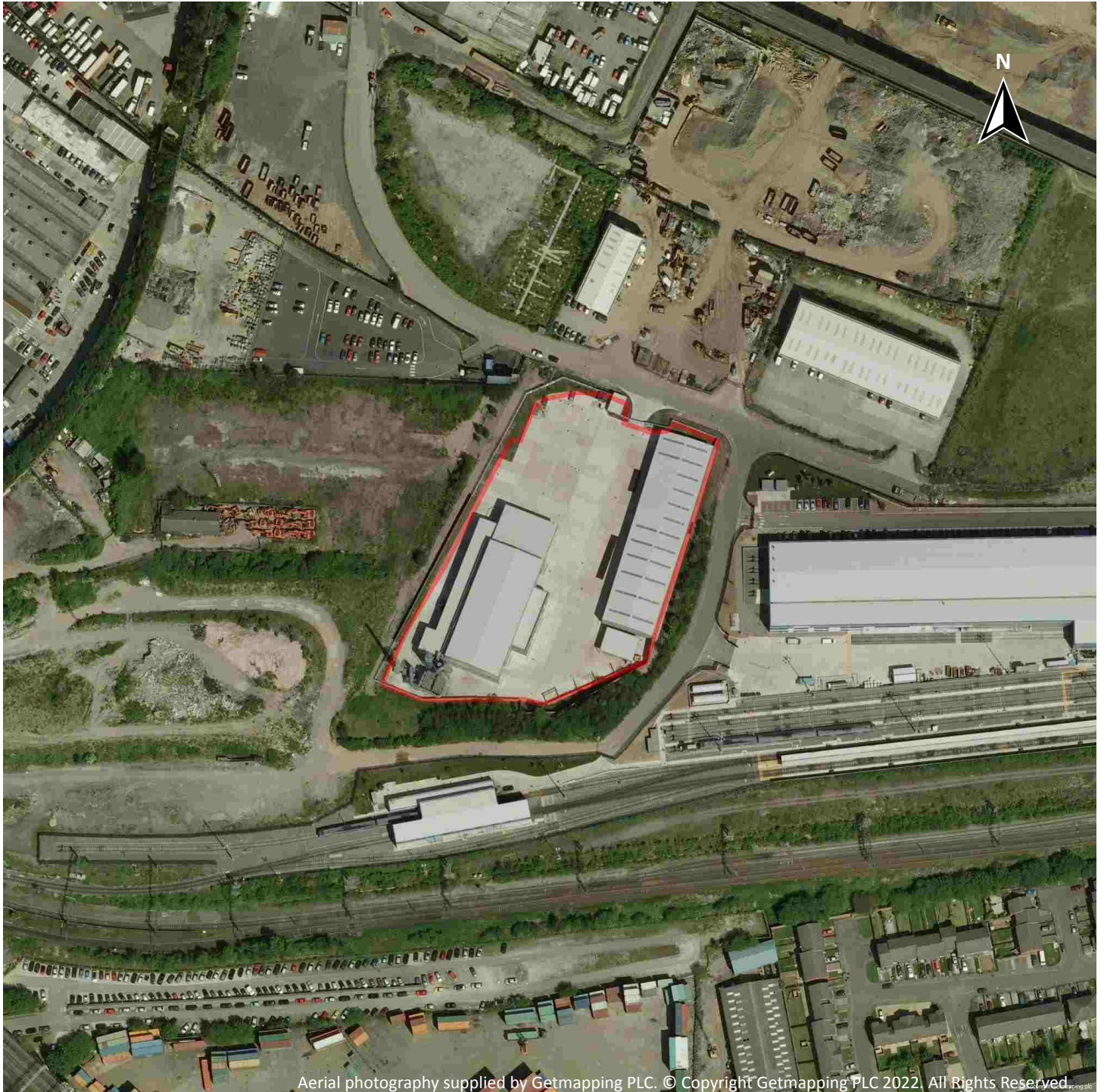


Capture Date: 11/06/2015

Site Area: 1.01ha



## Recent site history - 2009 aerial photograph



Capture Date: 02/06/2009

Site Area: 1.01ha



## Recent site history - 2000 aerial photograph

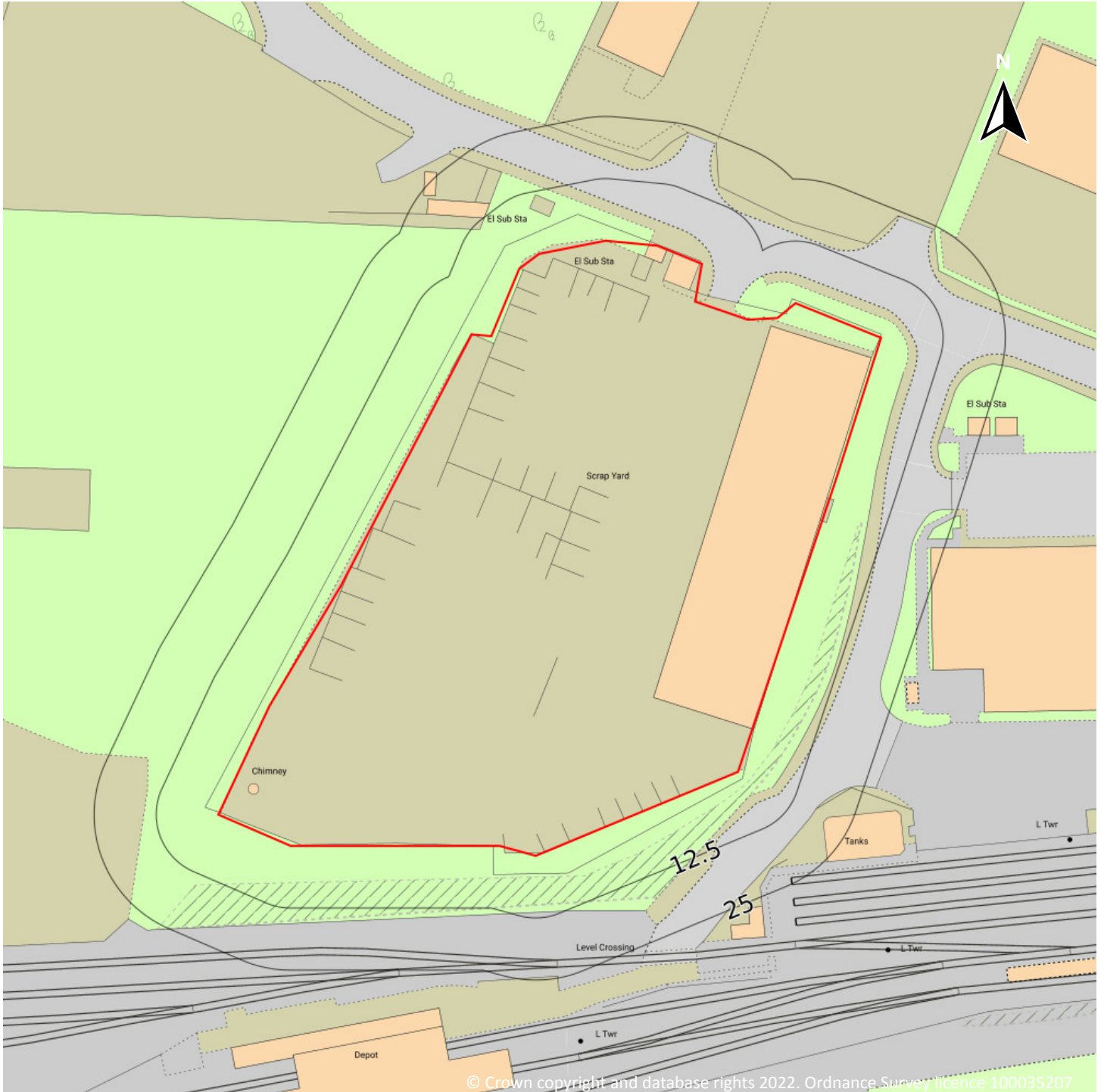


Capture Date: 19/06/2000

Site Area: 1.01ha



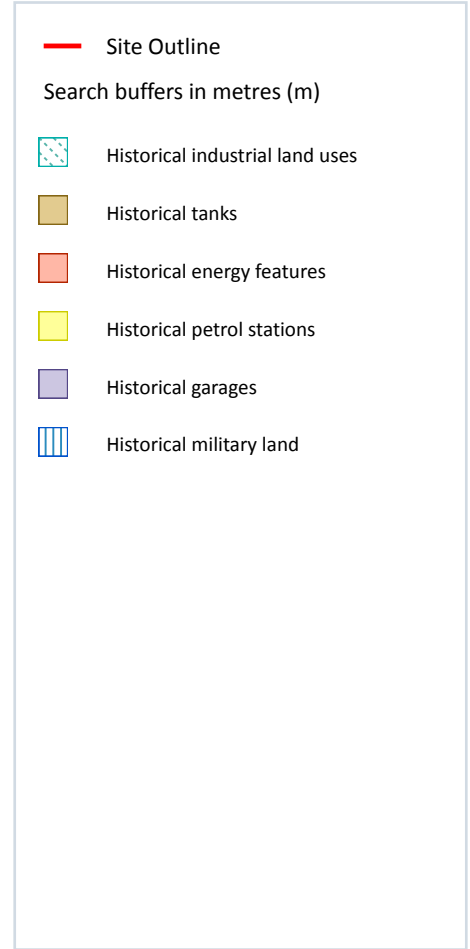
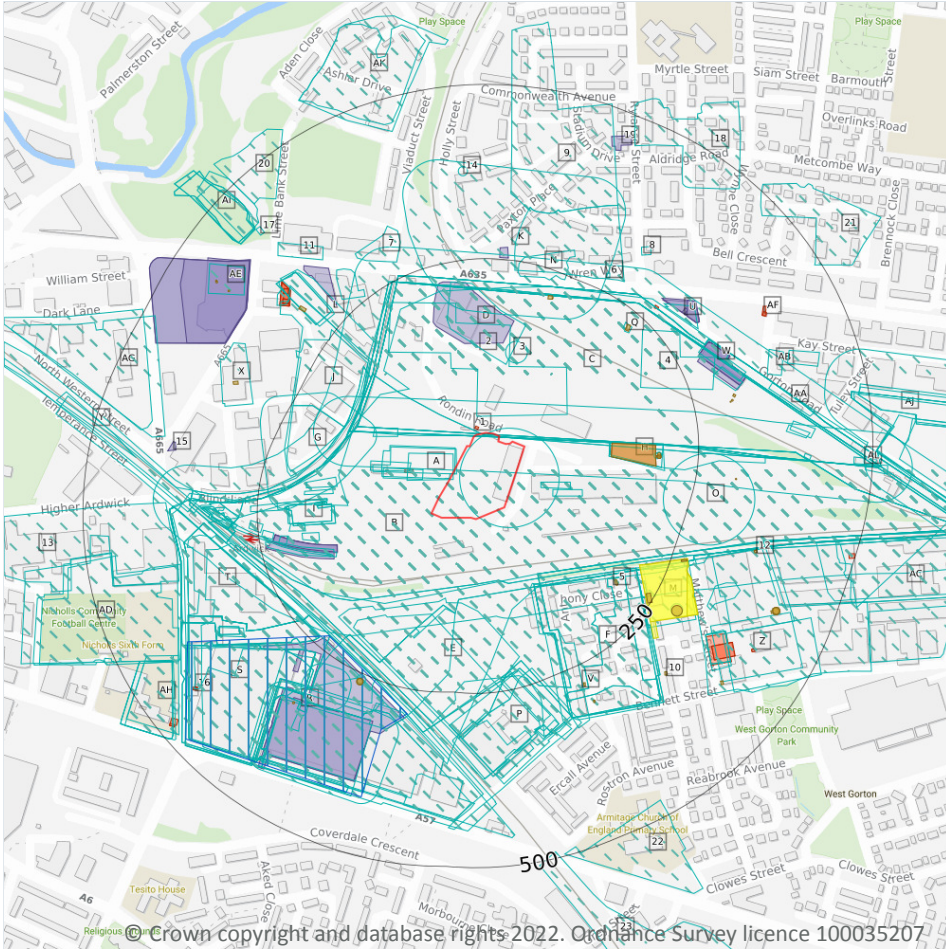
## OS MasterMap site plan



Site Area: 1.01ha



# 1 Past land use



## 1.1 Historical industrial land uses

**Records within 500m** **181**

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
A	On site	Goods Shed	1890	904216



ID	Location	Land use	Dates present	Group ID
A	On site	Goods Shed	1968	914895
A	On site	Goods Shed	1905 - 1956	954113
B	On site	Goods Yard	1923	844969
B	On site	Railway Sidings	1956 - 1968	853106
B	On site	Railway Sidings	1978	875920
B	On site	Railway Sidings	1890	887070
B	On site	Goods Yard	1915	889562
B	On site	Goods Yard	1905	892145
B	On site	Goods Depot and Mineral Yard	1938	917896
B	On site	Railway Sidings	1915 - 1938	940311
B	On site	Railway Sidings	1923	952334
B	On site	Goods Depot and Mineral Yard	1968	952486
B	On site	Railway Sidings	1905	955460
B	On site	Goods Depot and Mineral Yard	1956	971120
B	On site	Goods Depot and Mineral Yard	1934	979341
B	On site	Railway Sidings	1985	983601
C	On site	Goods and Mineral Depot	1978	852697
C	On site	Goods and Mineral Depot	1915	862007
C	On site	Goods and Mineral Depot	1923	892874
C	On site	Goods and Mineral Depot	1985	892970
C	On site	Coal and Mineral Depot	1890 - 1905	920547
C	On site	Goods, Mineral and Cattle Depot	1938	943935
C	On site	Goods, Mineral and Cattle Depot	1956	954774
C	On site	Goods, Mineral and Cattle Depot	1934	990635
2	24m N	Brick Field	1851	897634
A	34m W	Railway Building	1985	820474
B	38m E	Railway Building	1978	820471
A	56m W	Freight Terminal	1978	821938



ID	Location	Land use	Dates present	Group ID
B	58m E	Railway Building	1985	820476
A	94m NW	Railway Building	1968	820473
D	101m N	Unspecified Depot	1985 - 1991	893958
3	106m N	Unspecified Depot	1968	990804
E	115m S	Bus Depot	1978	982591
F	118m SE	Boiler Works	1915	853856
F	118m SE	Boiler Works	1934	869079
G	119m W	Unspecified Depot	1985 - 1991	849904
F	122m SE	Boiler Works	1890 - 1905	912506
F	122m SE	Boiler Works	1923	987681
H	122m E	Gas Works	1905	854221
H	122m E	Gas Works	1923	951114
H	123m E	Gas Works	1915	963299
E	130m S	Iron Foundry	1890 - 1905	928403
I	138m W	Goods Shed	1890 - 1905	898375
I	138m W	Goods Shed	1923	933497
E	139m S	Bus Depot	1985 - 1991	976535
I	141m W	Railway Building	1968	820472
I	143m W	Goods Shed	1934 - 1938	935532
I	143m W	Goods Shed	1915	940830
I	144m W	Railway Building	1890	820264
I	147m SW	Engine Shed	1915 - 1923	903872
I	154m SW	Railway Station	1851	936931
I	164m W	Unspecified Depot	1985 - 1991	942452
J	166m NW	Unspecified Depot	1978	866197
G	168m W	Corporation Yard	1968	833874
J	168m W	Unspecified Depot	1968	914344
K	172m N	Brick Field	1890	964395



ID	Location	Land use	Dates present	Group ID
F	180m SE	Railway Sidings	1934	939759
F	180m SE	Railway Sidings	1915	942761
I	182m W	Unspecified Depot	1978	818419
L	184m NW	Cuttings	1956	889289
H	186m E	Unspecified Tank	1934 - 1938	846020
4	187m NE	Brick Kilns	1851	827900
H	189m E	Gasometer	1905 - 1923	867848
I	208m W	Railway Building	1985	820263
M	208m SE	Oil Store	1915 - 1923	867630
O	210m E	Freight Terminal	1985	821939
P	213m S	Unspecified Depot	1968 - 1978	960936
Q	219m NE	Unspecified Tanks	1915 - 1923	979105
R	220m SW	Unspecified Depot	1985 - 1991	926898
R	224m SW	Unspecified Commercial/Industrial	1978	796808
P	224m S	Railway Buildings	1934	833660
P	225m S	Parcel Depot	1956	911994
S	227m SW	Bus Depot	1956	832318
S	227m SW	Unspecified Works	1968	830422
P	227m S	Railway Building	1938	820470
R	228m SW	Car Works	1956	886177
I	228m W	Railway Station	1985 - 1991	853358
P	228m S	Unspecified Depot	1985 - 1991	976372
T	229m SW	Goods and Mineral Yard	1956	883825
N	229m N	Unspecified Pit	1890	840532
N	236m N	Lime Works	1851	806813
T	237m SW	Goods and Mineral Yard	1934	980979
T	239m SW	Goods and Mineral Yard	1923	848116
T	239m SW	Goods and Mineral Yard	1905	901913





ID	Location	Land use	Dates present	Group ID
T	239m SW	Goods and Mineral Yard	1938	981893
I	242m W	Railway Building	1978	820262
R	252m SW	Unspecified Tank	1968	825231
L	255m NW	Grave Yard	1851	817299
R	258m SW	Unspecified Depot	1978	863613
S	260m SW	Tramways and Bus Depot	1934 - 1938	940066
S	260m SW	Tramway Depot	1905 - 1915	977493
L	267m NW	Cuttings	1923	893133
6	269m NE	Shaft	1851	817684
L	272m NW	Cuttings	1915	891889
L	272m NW	Cuttings	1934 - 1938	989525
7	273m N	Unspecified Heap	1985 - 1991	884907
M	275m E	Brick Field	1890 - 1905	849872
I	277m W	Railway Station	1956 - 1968	978085
M	279m SE	Unspecified Tank	1905	825232
I	279m W	Railway Station	1890	861220
S	280m SW	Tramway Depot	1923	880951
S	282m SW	Sawmills	1890	813170
R	282m SW	Bus Depot	1968	832320
W	284m NE	Railway Building	1978	893148
I	284m W	Railway Station	1923	928955
I	284m W	Railway Station	1905	930292
U	285m NE	Smithy	1915 - 1923	938857
I	287m W	Railway Station	1934 - 1938	882537
I	287m W	Railway Station	1915	960078
P	289m S	Parcel Depot	1934 - 1938	958476
W	290m NE	Railway Building	1905	921546
R	291m S	Car Works	1934 - 1938	952875



ID	Location	Land use	Dates present	Group ID
R	293m SW	Timber Yard	1890	796315
X	299m W	Brewery	1915 - 1923	879117
M	305m E	Unspecified Depot	1985 - 1991	868743
R	307m SW	Car Building and Repairing Shed	1915 - 1923	976073
P	309m S	Railway Building	1938	820469
T	316m SW	Goods Shed	1923	989950
T	321m SW	Goods Shed	1915	929274
T	321m SW	Goods Shed	1934 - 1938	981628
8	322m NE	Brick Kilns	1851	827899
M	323m SE	Unspecified Pit	1890	840533
9	325m N	Brick Field	1851	911690
L	330m NW	Unspecified Heap	1923	804010
Y	330m W	Railway Sidings	1956	950162
Y	333m W	Railway Sidings	1851	923729
11	334m NW	Unspecified Works	1923	830483
Z	341m SE	Unspecified Depot	1978	934568
Z	342m SE	Electricity Substation	1915	889347
Z	342m SE	Electricity Substation	1905	869807
Z	342m SE	Electricity Substation	1923	906543
AA	360m E	Railway Building	1978	820475
Z	362m SE	Unspecified Depot	1985 - 1991	912302
AB	364m E	Unspecified Works	1923	830429
AC	364m E	Unspecified Works	1978	879894
AC	368m E	Unspecified Works	1956 - 1968	934372
AD	368m W	Cemetery	1851	851050
13	369m W	Unspecified Works	1968 - 1978	979806
14	370m N	Shaft	1851	817686
AD	372m W	Cemetery	1890	925381



ID	Location	Land use	Dates present	Group ID
AA	376m E	Railway Building	1905	980340
AA	382m E	Railway Building	1968	883003
AE	386m NW	Unspecified Works	1923	830484
AD	392m W	Cemetery	1905 - 1956	954544
AB	396m E	Unspecified Works	1915	830428
AG	398m W	Unspecified Works	1985 - 1991	987558
AA	402m E	Railway Building	1938	820478
AH	416m SW	Hospital	1956	910970
17	419m NW	Railway Building	1923	820270
AG	422m W	Unspecified Works	1978	877776
AH	427m SW	Hospital	1923	942296
AH	428m SW	Hospital	1890	932220
AH	428m SW	Hospital	1915	945904
AH	428m SW	Hospital	1934 - 1938	988307
AI	432m NW	Cuttings	1915	853716
AI	432m NW	Cuttings	1890	953834
AI	432m NW	Cuttings	1934 - 1938	958297
Y	433m W	Railway Sidings	1934	890601
AI	434m NW	Cuttings	1923	890731
AI	434m NW	Cuttings	1905	941883
AI	435m NW	Cuttings	1978	856871
AJ	436m E	Goods Depot	1956	976388
18	439m NE	Brick Field	1851	817946
AC	440m E	Crane and Pulley Works	1934 - 1938	873077
20	444m NW	Unspecified Works	1968	871051
AK	452m N	Brick Works	1890	818773
AK	464m N	Unspecified Pit	1890	840534
AC	467m E	Pulley Works	1915 - 1923	965870



ID	Location	Land use	Dates present	Group ID
AL	473m E	Railway Building	1978	948173
AJ	474m E	Unspecified Works	1915	854297
AJ	474m E	Goods Depot	1934 - 1938	879320
AJ	474m E	Unspecified Works	1934	945327
AC	474m E	Unspecified Pit	1890	840539
21	475m NE	Brick Works	1851	818775
22	476m SE	Unspecified Works	1968	856513
AJ	478m E	Unspecified Works	1923	966597
AJ	485m E	Goods Shed	1956 - 1968	858365
AJ	485m E	Goods Depot	1978	906493
23	491m S	Railway Sidings	1956 - 1978	936874
AL	491m E	Railway Building	1985 - 1991	982690

*This data is sourced from Ordnance Survey / Groundsure.*

## 1.2 Historical tanks

**Records within 500m**

**30**

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
H	125m E	Gas Works	1908 - 1922	126316
5	190m SE	Tanks	1908 - 1922	143852
H	191m E	Gasometer	1908 - 1922	123295
H	191m E	Unspecified Tank	1932	115859
N	209m N	Tanks	1981 - 1983	145172
Q	221m NE	Tanks	1922	106785



ID	Location	Land use	Dates present	Group ID
M	238m SE	Tanks	1948 - 1963	129458
R	257m SW	Oil Tank	1948 - 1988	139563
R	258m SW	Oil Tank	1948 - 1963	144459
M	265m E	Unspecified Tank	1948 - 1963	134179
V	276m SE	Unspecified Tank	1889	115857
M	281m SE	Oil Storage Tank	1908	108742
L	301m NW	Unspecified Tank	1988 - 1996	147483
W	302m E	Unspecified Tank	1908 - 1922	132395
W	304m E	Unspecified Tank	1889	123524
V	305m SE	Unspecified Tank	1932	115856
O	306m E	Unspecified Tank	1953	127327
O	306m E	Unspecified Tank	1963	133442
W	308m E	Unspecified Tank	1953 - 1963	144717
10	330m SE	Unspecified Tank	1889	147387
X	331m W	Unspecified Tank	1908	115869
R	335m SW	Unspecified Tank	1932	115858
12	359m E	Unspecified Tank	1975 - 1995	128121
Z	398m SE	Unspecified Tank	1975 - 1995	132792
AE	406m NW	Unspecified Tank	1908	115870
M	410m SE	Unspecified Tank	1975	143698
M	412m SE	Unspecified Tank	1983	128936
M	412m SE	Unspecified Tank	1995	128493
AE	428m NW	Unspecified Tank	1908 - 1922	135106
AE	430m NW	Unspecified Tank	1932	137638

*This data is sourced from Ordnance Survey / Groundsure.*



### 1.3 Historical energy features

<b>Records within 500m</b>	<b>27</b>
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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
1	7m N	Electricity Substation	1995 - 1997	79683
A	50m W	Electricity Substation	1995 - 1997	67993
H	125m E	Gas Works	1908 - 1922	67149
H	191m E	Gasometer	1908 - 1922	73889
U	273m NE	Electricity Substation	1981 - 1995	66957
L	324m NW	Electricity Substation	1994 - 1996	66682
L	324m NW	Electricity Substations	1986	65368
L	324m NW	Electricity Substations	1964	70744
L	324m NW	Electricity Substations	1987	72807
L	327m NW	Electricity Substations	1948	81596
L	327m NW	Electricity Substations	1977	65182
L	327m NW	Electricity Substation	1988	65985
L	327m NW	Electricity Substations	1953	70693
L	327m NW	Electricity Substations	1948	75259
L	336m NW	Electricity Substations	1948	77631
L	336m NW	Electricity Substations	1977	72285
L	336m NW	Electricity Substations	1953	74265
Z	343m SE	Electricity Substation	1908 - 1922	76976
Z	358m SE	Electricity Substation	1983	65616
Z	358m SE	Electricity Substation	1948 - 1975	76166
AF	389m NE	Electricity Substation	1984 - 1992	70966



ID	Location	Land use	Dates present	Group ID
AF	390m NE	Electricity Substation	1995	81623
Z	409m SE	Electricity Substation	1975 - 1995	74885
16	418m SW	Electricity Substation	1977 - 1994	72367
AH	469m SW	Electricity Substation	1976	73385
AH	477m SW	Electricity Substation	1992 - 1997	70267
AC	490m E	Electricity Substation	1953	62175

*This data is sourced from Ordnance Survey / Groundsure.*

## 1.4 Historical petrol stations

<b>Records within 500m</b>	<b>3</b>
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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'.

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

ID	Location	Land use	Dates present	Group ID
M	211m SE	Petroleum Depot	1948 - 1963	1635
M	211m SE	Petroleum Depot	1948	1656
M	279m SE	Petroleum Depot	1953	1603

*This data is sourced from Ordnance Survey / Groundsure.*

## 1.5 Historical garages

<b>Records within 500m</b>	<b>24</b>
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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
D	129m N	Garage	1995	20332
I	142m SW	Carriage Shed	1954	23650
I	143m SW	Carriage Shed	1948 - 1968	24310
I	143m SW	Carriage Shed	1948	21595
I	150m SW	Carriage Shed	1932	22602
R	236m SW	Car Building and Repairing Shed	1922	22963
K	252m N	Garage	1948 - 1963	27040
L	272m NW	Garage	1953 - 1977	26906
W	277m NE	Wagon Repairing Shed	1932	21845
W	282m NE	Wagon Repairing Shed	1983	24209
W	282m NE	Wagon Repair Shed	1948 - 1963	26084
W	282m NE	Wagon Repair Shed	1948 - 1975	26806
U	289m NE	Garage	1992 - 1995	27723
U	290m NE	Garage	1963	22017
U	297m NE	Garage	1992	23026
U	298m NE	Garage	1963 - 1988	26126
U	299m NE	Garage	1983	21686
R	308m SW	Car Building and Repairing Shed	1908	20944
AE	371m NW	Garage	1988 - 1994	25880
AE	372m NW	Garage	1977	21453
AE	373m NW	Garage	1996	23158
AE	373m NW	Garage	1964 - 1987	27777
15	378m W	Garage	1948 - 1968	25188
19	443m N	Garages	1948 - 1963	24428

*This data is sourced from Ordnance Survey / Groundsure.*





## 1.6 Historical military land

Records within 500m

1

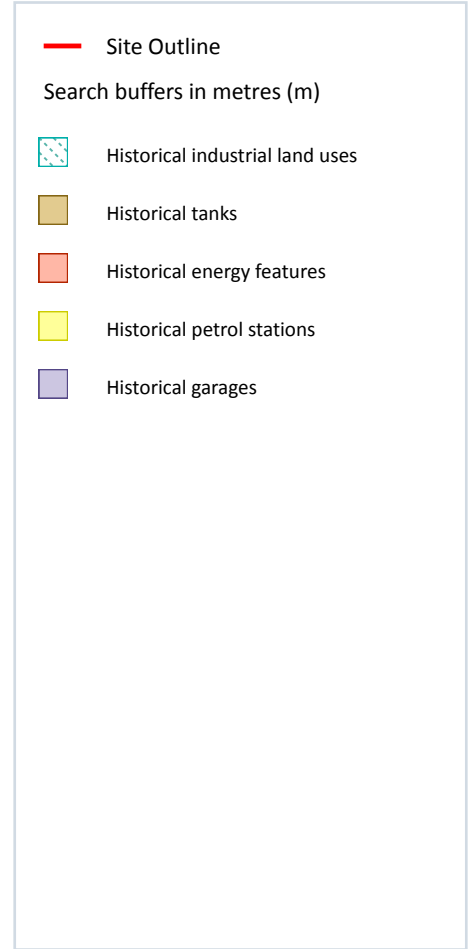
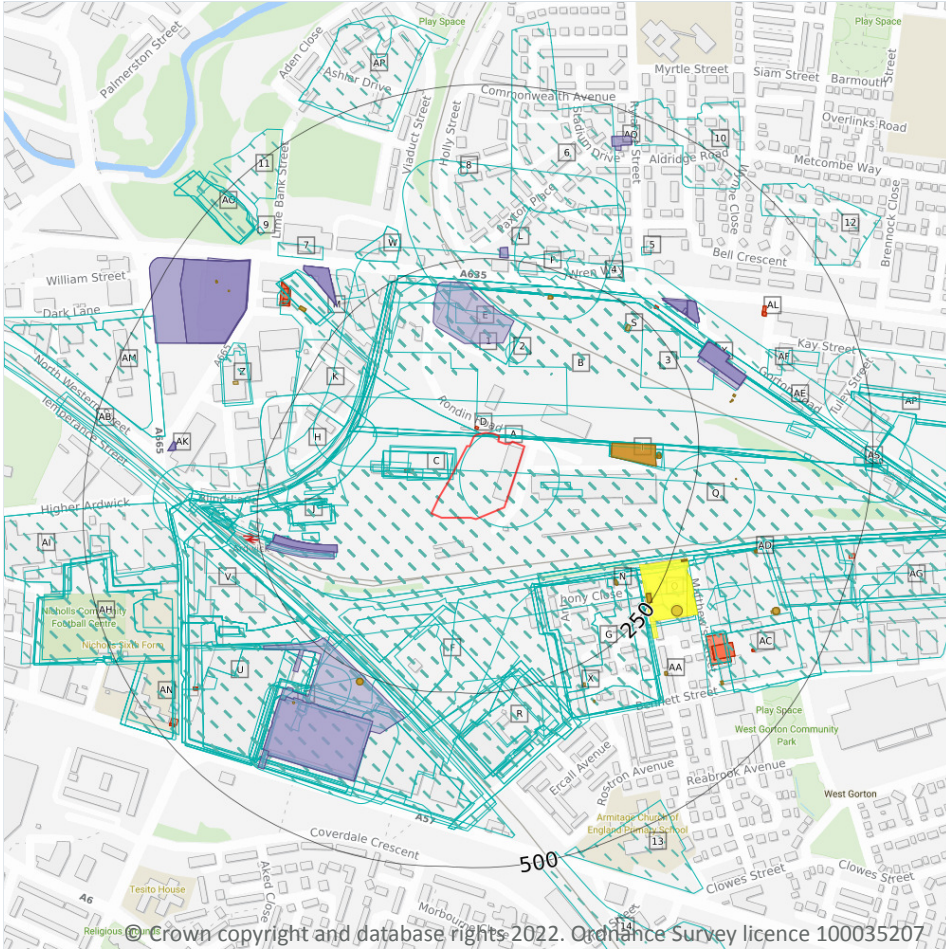
Areas of military land digitised from multiple sources including the National Archives, local records, MOD records and verified other sources, intelligently grouped into contiguous features.

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

ID	Location	Site Name	Date of Operation	Activities
R	229m SW	Manchester	circa WWI	National Shell Factory; 4.5in shell

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

## 2 Past land use - un-grouped



### 2.1 Historical industrial land uses

Records within 500m

238

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 26**

ID	Location	Land Use	Date	Group ID
A	On site	Railway Sidings	1938	940311
A	On site	Railway Sidings	1934	940311
A	On site	Goods Depot and Mineral Yard	1934	979341

ID	Location	Land Use	Date	Group ID
A	On site	Goods Yard	1915	889562
A	On site	Railway Sidings	1915	940311
A	On site	Railway Sidings	1905	955460
A	On site	Goods Yard	1905	892145
A	On site	Railway Sidings	1890	887070
A	On site	Goods Depot and Mineral Yard	1938	917896
A	On site	Goods Depot and Mineral Yard	1968	952486
A	On site	Railway Sidings	1956	853106
A	On site	Goods Depot and Mineral Yard	1956	971120
A	On site	Railway Sidings	1985	983601
A	On site	Railway Sidings	1978	875920
A	On site	Railway Sidings	1968	853106
A	On site	Goods Yard	1923	844969
A	On site	Railway Sidings	1923	952334
B	On site	Goods, Mineral and Cattle Depot	1934	990635
B	On site	Goods and Mineral Depot	1915	862007
B	On site	Coal and Mineral Depot	1905	920547
B	On site	Coal and Mineral Depot	1890	920547
B	On site	Goods, Mineral and Cattle Depot	1938	943935
B	On site	Goods, Mineral and Cattle Depot	1956	954774
B	On site	Goods and Mineral Depot	1985	892970
B	On site	Goods and Mineral Depot	1978	852697
B	On site	Goods and Mineral Depot	1923	892874
C	On site	Goods Shed	1890	904216
C	On site	Goods Shed	1956	954113
C	On site	Goods Shed	1968	914895
C	1m W	Goods Shed	1905	954113
C	1m W	Goods Shed	1923	954113



ID	Location	Land Use	Date	Group ID
C	3m W	Goods Shed	1938	954113
C	3m W	Goods Shed	1934	954113
C	3m W	Goods Shed	1915	954113
1	24m N	Brick Field	1851	897634
C	34m W	Railway Building	1985	820474
A	38m E	Railway Building	1978	820471
C	56m W	Freight Terminal	1978	821938
A	58m E	Railway Building	1985	820476
C	94m NW	Railway Building	1968	820473
E	101m N	Unspecified Depot	1985	893958
E	101m N	Unspecified Depot	1991	893958
2	106m N	Unspecified Depot	1968	990804
F	115m S	Bus Depot	1978	982591
G	118m SE	Boiler Works	1934	869079
G	118m SE	Boiler Works	1915	853856
H	119m W	Unspecified Depot	1985	849904
H	119m W	Unspecified Depot	1991	849904
G	122m SE	Boiler Works	1905	912506
G	122m SE	Boiler Works	1923	987681
I	122m E	Gas Works	1905	854221
I	122m E	Gas Works	1923	951114
I	123m E	Gas Works	1915	963299
G	124m SE	Boiler Works	1890	912506
F	130m S	Iron Foundry	1890	928403
J	138m W	Goods Shed	1905	898375
J	138m W	Goods Shed	1890	898375
J	138m W	Goods Shed	1923	933497
F	139m S	Bus Depot	1985	976535



ID	Location	Land Use	Date	Group ID
F	139m S	Bus Depot	1991	976535
J	141m W	Railway Building	1968	820472
J	143m W	Goods Shed	1934	935532
J	143m W	Goods Shed	1915	940830
J	144m W	Railway Building	1890	820264
J	145m W	Goods Shed	1938	935532
J	147m SW	Engine Shed	1923	903872
J	149m SW	Engine Shed	1915	903872
F	152m S	Iron Foundry	1905	928403
J	154m SW	Railway Station	1851	936931
J	164m W	Unspecified Depot	1985	942452
J	164m W	Unspecified Depot	1991	942452
K	166m NW	Unspecified Depot	1978	866197
H	168m W	Corporation Yard	1968	833874
K	168m W	Unspecified Depot	1968	914344
L	172m N	Brick Field	1890	964395
G	180m SE	Railway Sidings	1934	939759
G	180m SE	Railway Sidings	1915	942761
J	182m W	Unspecified Depot	1978	818419
M	184m NW	Cuttings	1956	889289
I	186m E	Unspecified Tank	1938	846020
3	187m NE	Brick Kilns	1851	827900
I	189m E	Gasometer	1905	867848
I	189m E	Gasometer	1923	867848
I	190m E	Gasometer	1915	867848
I	190m E	Unspecified Tank	1934	846020
J	208m W	Railway Building	1985	820263
O	208m SE	Oil Store	1915	867630



ID	Location	Land Use	Date	Group ID
O	210m SE	Oil Store	1923	867630
Q	210m E	Freight Terminal	1985	821939
R	213m S	Unspecified Depot	1978	960936
R	213m S	Unspecified Depot	1968	960936
S	219m NE	Unspecified Tanks	1923	979105
T	220m SW	Unspecified Depot	1985	926898
S	222m NE	Unspecified Tanks	1915	979105
T	224m SW	Unspecified Commercial/Industrial	1978	796808
R	224m S	Railway Buildings	1934	833660
T	224m SW	Unspecified Depot	1991	926898
R	225m S	Parcel Depot	1956	911994
U	227m SW	Bus Depot	1956	832318
U	227m SW	Unspecified Works	1968	830422
R	227m S	Railway Building	1938	820470
T	228m SW	Car Works	1956	886177
J	228m W	Railway Station	1985	853358
J	228m W	Railway Station	1991	853358
R	228m S	Unspecified Depot	1985	976372
R	228m S	Unspecified Depot	1991	976372
V	229m SW	Goods and Mineral Yard	1956	883825
P	229m N	Unspecified Pit	1890	840532
P	236m N	Lime Works	1851	806813
V	237m SW	Goods and Mineral Yard	1934	980979
V	239m SW	Goods and Mineral Yard	1905	901913
V	239m SW	Goods and Mineral Yard	1923	848116
V	239m SW	Goods and Mineral Yard	1938	981893
J	242m W	Railway Building	1978	820262
T	252m SW	Unspecified Tank	1968	825231



ID	Location	Land Use	Date	Group ID
M	255m NW	Grave Yard	1851	817299
T	258m SW	Unspecified Depot	1978	863613
U	260m SW	Tramways and Bus Depot	1938	940066
U	260m SW	Tramways and Bus Depot	1934	940066
U	260m SW	Tramway Depot	1915	977493
M	267m NW	Cuttings	1923	893133
4	269m NE	Shaft	1851	817684
M	272m NW	Cuttings	1938	989525
M	272m NW	Cuttings	1934	989525
M	272m NW	Cuttings	1915	891889
W	273m N	Unspecified Heap	1985	884907
W	273m N	Unspecified Heap	1991	884907
O	275m E	Brick Field	1890	849872
J	277m W	Railway Station	1968	978085
J	277m W	Railway Station	1956	978085
O	279m SE	Unspecified Tank	1905	825232
J	279m W	Railway Station	1890	861220
U	280m SW	Tramway Depot	1923	880951
U	282m SW	Sawmills	1890	813170
T	282m SW	Bus Depot	1968	832320
Y	284m NE	Railway Building	1978	893148
J	284m W	Railway Station	1905	930292
J	284m W	Railway Station	1923	928955
S	285m NE	Smithy	1923	938857
U	287m SW	Tramway Depot	1905	977493
S	287m NE	Smithy	1915	938857
J	287m W	Railway Station	1938	882537
J	287m W	Railway Station	1934	882537



ID	Location	Land Use	Date	Group ID
J	287m W	Railway Station	1915	960078
R	289m S	Parcel Depot	1934	958476
Y	290m NE	Railway Building	1905	921546
R	291m S	Parcel Depot	1938	958476
T	291m S	Car Works	1938	952875
T	291m S	Car Works	1934	952875
T	293m SW	Timber Yard	1890	796315
Z	299m W	Brewery	1923	879117
Z	302m W	Brewery	1915	879117
O	305m E	Unspecified Depot	1985	868743
O	305m E	Unspecified Depot	1991	868743
T	307m SW	Car Building and Repairing Shed	1915	976073
R	309m S	Railway Building	1938	820469
T	314m SW	Car Building and Repairing Shed	1923	976073
V	316m SW	Goods Shed	1923	989950
V	321m SW	Goods Shed	1938	981628
V	321m SW	Goods Shed	1934	981628
V	321m SW	Goods Shed	1915	929274
5	322m NE	Brick Kilns	1851	827899
O	323m SE	Unspecified Pit	1890	840533
6	325m N	Brick Field	1851	911690
M	330m NW	Unspecified Heap	1923	804010
AB	330m W	Railway Sidings	1956	950162
AB	333m W	Railway Sidings	1851	923729
7	334m NW	Unspecified Works	1923	830483
AC	341m SE	Unspecified Depot	1978	934568
AC	342m SE	Electricity Substation	1915	889347
AC	342m SE	Electricity Substation	1905	869807





ID	Location	Land Use	Date	Group ID
AC	342m SE	Electricity Substation	1923	906543
AE	360m E	Railway Building	1978	820475
AC	362m SE	Unspecified Depot	1985	912302
AC	362m SE	Unspecified Depot	1991	912302
AF	364m E	Unspecified Works	1923	830429
AG	364m E	Unspecified Works	1978	879894
AG	368m E	Unspecified Works	1956	934372
AG	368m E	Unspecified Works	1968	934372
AH	368m W	Cemetery	1851	851050
AI	369m W	Unspecified Works	1978	979806
AI	369m W	Unspecified Works	1968	979806
8	370m N	Shaft	1851	817686
AH	372m W	Cemetery	1890	925381
AE	376m E	Railway Building	1905	980340
AE	382m E	Railway Building	1968	883003
AJ	386m NW	Unspecified Works	1923	830484
AH	392m W	Cemetery	1923	954544
AH	392m W	Cemetery	1905	954544
AF	396m E	Unspecified Works	1915	830428
AM	398m W	Unspecified Works	1985	987558
AM	398m W	Unspecified Works	1991	987558
AH	398m SW	Cemetery	1956	954544
AE	402m E	Railway Building	1938	820478
AH	411m SW	Cemetery	1938	954544
AH	411m SW	Cemetery	1934	954544
AH	411m SW	Cemetery	1915	954544
AN	416m SW	Hospital	1956	910970
9	419m NW	Railway Building	1923	820270



ID	Location	Land Use	Date	Group ID
AM	422m W	Unspecified Works	1978	877776
AN	427m SW	Hospital	1923	942296
AN	428m SW	Hospital	1938	988307
AN	428m SW	Hospital	1934	988307
AN	428m SW	Hospital	1915	945904
AN	428m SW	Hospital	1890	932220
AO	432m NW	Cuttings	1938	958297
AO	432m NW	Cuttings	1934	958297
AO	432m NW	Cuttings	1915	853716
AO	432m NW	Cuttings	1890	953834
AB	433m W	Railway Sidings	1934	890601
AO	434m NW	Cuttings	1923	890731
AO	434m NW	Cuttings	1905	941883
AO	435m NW	Cuttings	1978	856871
AP	436m E	Goods Depot	1956	976388
10	439m NE	Brick Field	1851	817946
AG	440m E	Crane and Pulley Works	1938	873077
AG	440m E	Crane and Pulley Works	1934	873077
11	444m NW	Unspecified Works	1968	871051
O	446m E	Brick Field	1905	849872
AR	452m N	Brick Works	1890	818773
AR	464m N	Unspecified Pit	1890	840534
AG	467m E	Pulley Works	1915	965870
AG	471m E	Pulley Works	1923	965870
AS	473m E	Railway Building	1978	948173
AP	474m E	Goods Depot	1938	879320
AP	474m E	Goods Depot	1934	879320
AP	474m E	Unspecified Works	1934	945327



ID	Location	Land Use	Date	Group ID
AP	474m E	Unspecified Works	1915	854297
AG	474m E	Unspecified Pit	1890	840539
12	475m NE	Brick Works	1851	818775
13	476m SE	Unspecified Works	1968	856513
AP	478m E	Unspecified Works	1923	966597
AP	485m E	Goods Depot	1978	906493
AP	485m E	Goods Shed	1968	858365
AP	487m E	Goods Shed	1956	858365
14	491m S	Railway Sidings	1956	936874
AS	491m E	Railway Building	1985	982690
AS	491m E	Railway Building	1991	982690

*This data is sourced from Ordnance Survey / Groundsure.*

## 2.2 Historical tanks

<b>Records within 500m</b>	<b>52</b>
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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 26**

ID	Location	Land Use	Date	Group ID
I	125m E	Gas Works	1908	126316
I	125m E	Gas Works	1922	126316
N	190m SE	Tanks	1908	143852
N	190m SE	Tanks	1922	143852
I	191m E	Gasometer	1908	123295
I	191m E	Gasometer	1922	123295
I	191m E	Unspecified Tank	1932	115859
P	209m N	Tanks	1981	145172
P	210m N	Tanks	1983	145172



ID	Location	Land Use	Date	Group ID
S	221m NE	Tanks	1922	106785
O	238m SE	Tanks	1963	129458
O	238m SE	Tanks	1948	129458
O	238m SE	Tanks	1948	129458
T	257m SW	Oil Tank	1988	139563
T	258m SW	Oil Tank	1963	144459
T	258m SW	Oil Tank	1948	144459
T	258m SW	Oil Tank	1971	139563
T	258m SW	Oil Tank	1948	139563
O	265m E	Unspecified Tank	1963	134179
O	265m E	Unspecified Tank	1948	134179
O	265m E	Unspecified Tank	1948	134179
X	276m SE	Unspecified Tank	1889	115857
O	281m SE	Oil Storage Tank	1908	108742
M	301m NW	Unspecified Tank	1988	147483
M	302m NW	Unspecified Tank	1996	147483
M	302m NW	Unspecified Tank	1994	147483
Y	302m E	Unspecified Tank	1908	132395
Y	302m E	Unspecified Tank	1922	132395
Y	304m E	Unspecified Tank	1889	123524
Y	304m E	Unspecified Tank	1889	123524
X	305m SE	Unspecified Tank	1932	115856
Q	306m E	Unspecified Tank	1953	127327
Q	306m E	Unspecified Tank	1963	133442
Y	308m E	Unspecified Tank	1953	144717
Y	308m E	Unspecified Tank	1963	144717
AA	330m SE	Unspecified Tank	1889	147387
AA	330m SE	Unspecified Tank	1889	147387



ID	Location	Land Use	Date	Group ID
Z	331m W	Unspecified Tank	1908	115869
T	335m SW	Unspecified Tank	1932	115858
AD	359m E	Unspecified Tank	1983	128121
AD	360m E	Unspecified Tank	1995	128121
AD	360m E	Unspecified Tank	1975	128121
AC	398m SE	Unspecified Tank	1983	132792
AC	398m SE	Unspecified Tank	1975	132792
AC	398m SE	Unspecified Tank	1995	132792
AJ	406m NW	Unspecified Tank	1908	115870
O	410m SE	Unspecified Tank	1975	143698
O	412m SE	Unspecified Tank	1983	128936
O	412m SE	Unspecified Tank	1995	128493
AJ	428m NW	Unspecified Tank	1908	135106
AJ	428m NW	Unspecified Tank	1922	135106
AJ	430m NW	Unspecified Tank	1932	137638

*This data is sourced from Ordnance Survey / Groundsure.*

## 2.3 Historical energy features

### Records within 500m

57

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 26**

ID	Location	Land Use	Date	Group ID
D	7m N	Electricity Substation	1995	79683
D	7m N	Electricity Substation	1997	79683
C	50m W	Electricity Substation	1995	67993
C	50m W	Electricity Substation	1997	67993
I	125m E	Gas Works	1908	67149



ID	Location	Land Use	Date	Group ID
I	125m E	Gas Works	1922	67149
I	191m E	Gasometer	1908	73889
I	191m E	Gasometer	1922	73889
S	273m NE	Electricity Substation	1995	66957
S	273m NE	Electricity Substation	1993	66957
S	273m NE	Electricity Substation	1993	66957
S	273m NE	Electricity Substation	1981	66957
S	274m NE	Electricity Substation	1983	66957
S	274m NE	Electricity Substation	1992	66957
M	324m NW	Electricity Substation	1996	66682
M	324m NW	Electricity Substation	1994	66682
M	324m NW	Electricity Substations	1987	72807
M	324m NW	Electricity Substations	1964	70744
M	324m NW	Electricity Substations	1986	65368
M	327m NW	Electricity Substations	1948	81596
M	327m NW	Electricity Substations	1953	70693
M	327m NW	Electricity Substation	1988	65985
M	327m NW	Electricity Substations	1977	65182
M	327m NW	Electricity Substations	1948	75259
M	336m NW	Electricity Substations	1948	77631
M	336m NW	Electricity Substations	1953	74265
M	336m NW	Electricity Substations	1977	72285
AC	343m SE	Electricity Substation	1908	76976
AC	343m SE	Electricity Substation	1922	76976
AC	358m SE	Electricity Substation	1983	65616
AC	358m SE	Electricity Substation	1975	76166
AC	358m SE	Electricity Substation	1948	76166
AC	358m SE	Electricity Substation	1953	76166



ID	Location	Land Use	Date	Group ID
AC	359m SE	Electricity Substation	1948	76166
AL	389m NE	Electricity Substation	1984	70966
AL	389m NE	Electricity Substation	1988	70966
AL	389m NE	Electricity Substation	1992	70966
AL	390m NE	Electricity Substation	1995	81623
AL	390m NE	Electricity Substation	1995	81623
AC	409m SE	Electricity Substation	1983	74885
AC	410m SE	Electricity Substation	1975	74885
AC	410m SE	Electricity Substation	1995	74885
U	418m SW	Electricity Substation	1994	72367
U	418m SW	Electricity Substation	1993	72367
U	418m SW	Electricity Substation	1993	72367
U	418m SW	Electricity Substation	1994	72367
U	419m SW	Electricity Substation	1977	72367
U	419m SW	Electricity Substation	1989	72367
U	419m SW	Electricity Substation	1991	72367
AN	469m SW	Electricity Substation	1976	73385
AN	477m SW	Electricity Substation	1995	70267
AN	477m SW	Electricity Substation	1997	70267
AN	477m SW	Electricity Substation	1997	70267
AN	477m SW	Electricity Substation	1992	70267
AN	477m SW	Electricity Substation	1993	70267
AN	477m SW	Electricity Substation	1993	70267
AG	490m E	Electricity Substation	1953	62175

*This data is sourced from Ordnance Survey / Groundsure.*



## 2.4 Historical petrol stations

<b>Records within 500m</b>	<b>5</b>
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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'.

Features are displayed on the Past land use - un-grouped map on **page 26**

ID	Location	Land Use	Date	Group ID
O	211m SE	Petroleum Depot	1963	1635
O	211m SE	Petroleum Depot	1948	1635
O	211m SE	Petroleum Depot	1948	1656
O	279m SE	Petroleum Depot	1948	1656
O	279m SE	Petroleum Depot	1953	1603

*This data is sourced from Ordnance Survey / Groundsure.*

## 2.5 Historical garages

<b>Records within 500m</b>	<b>52</b>
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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 26**

ID	Location	Land Use	Date	Group ID
E	129m N	Garage	1995	20332
J	142m SW	Carriage Shed	1954	23650
J	143m SW	Carriage Shed	1948	24310
J	143m SW	Carriage Shed	1965	24310
J	143m SW	Carriage Shed	1965	24310
J	143m SW	Carriage Shed	1968	24310
J	143m SW	Carriage Shed	1948	21595
J	150m SW	Carriage Shed	1932	22602
T	236m SW	Car Building and Repairing Shed	1922	22963





ID	Location	Land Use	Date	Group ID
L	252m N	Garage	1948	27040
L	253m N	Garage	1963	27040
M	272m NW	Garage	1965	26906
M	272m NW	Garage	1965	26906
M	272m NW	Garage	1968	26906
M	272m NW	Garage	1960	26906
M	272m NW	Garage	1953	26906
M	272m NW	Garage	1977	26906
Y	277m NE	Wagon Repairing Shed	1932	21845
Y	282m NE	Wagon Repairing Shed	1983	24209
Y	282m NE	Wagon Repair Shed	1963	26084
Y	282m NE	Wagon Repair Shed	1948	26084
Y	282m NE	Wagon Repair Shed	1975	26806
Y	282m NE	Wagon Repair Shed	1948	26806
Y	282m NE	Wagon Repair Shed	1953	26806
S	289m NE	Garage	1993	27723
S	289m NE	Garage	1995	27723
S	289m NE	Garage	1993	27723
S	290m NE	Garage	1963	22017
S	297m NE	Garage	1992	23026
S	298m NE	Garage	1981	26126
S	299m NE	Garage	1983	21686
S	299m NE	Garage	1984	26126
S	299m NE	Garage	1988	26126
S	299m NE	Garage	1992	27723
S	299m NE	Garage	1963	26126
S	300m NE	Garage	1995	27723
S	300m NE	Garage	1995	27723

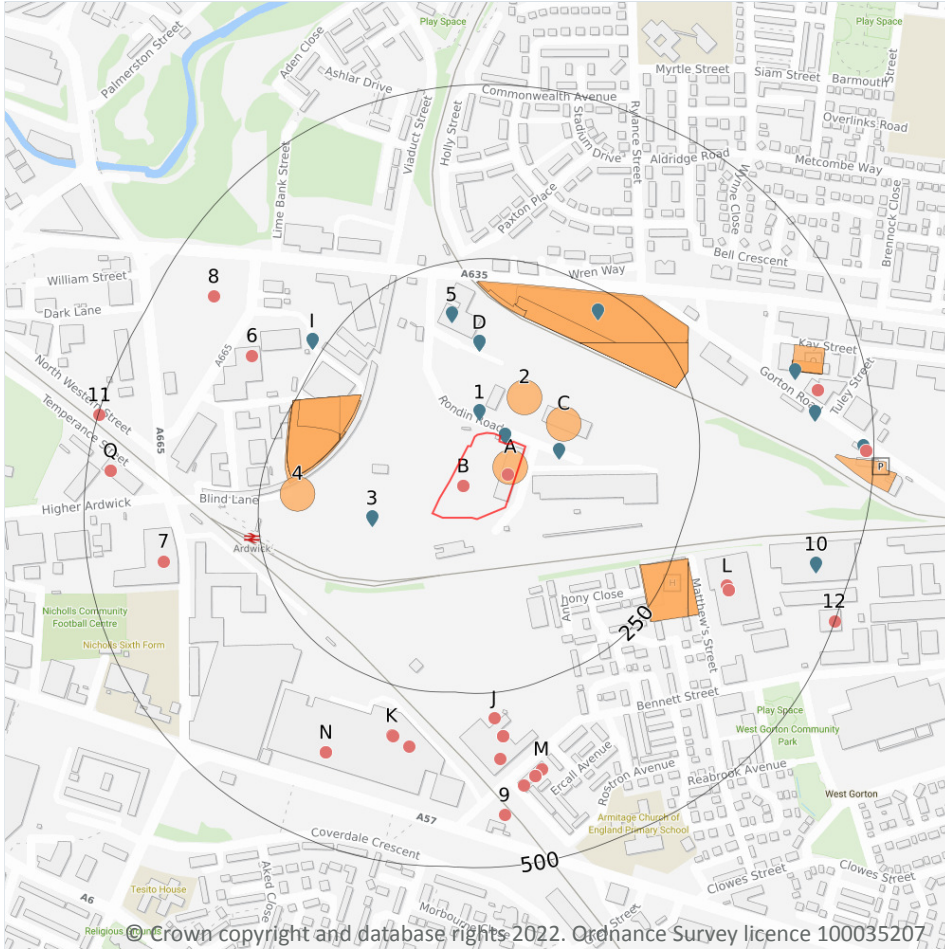


ID	Location	Land Use	Date	Group ID
T	308m SW	Car Building and Repairing Shed	1908	20944
AJ	371m NW	Garage	1988	25880
AJ	372m NW	Garage	1977	21453
AJ	373m NW	Garage	1994	25880
AJ	373m NW	Garage	1996	23158
AJ	373m NW	Garage	1987	27777
AJ	373m NW	Garage	1964	27777
AJ	373m NW	Garage	1986	27777
AK	378m W	Garage	1965	25188
AK	378m W	Garage	1965	25188
AK	378m W	Garage	1968	25188
AK	378m W	Garage	1948	25188
AK	378m W	Garage	1954	25188
AQ	443m N	Garages	1963	24428
AQ	446m N	Garages	1948	24428

*This data is sourced from Ordnance Survey / Groundsure.*



## 3 Waste and landfill



### 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

0

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.

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

### 3.5 Historical waste sites

Records within 500m

34

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 43**

ID	Location	Address	Further Details	Date
A	On site	Site Address: Rondin House,Rondin Road, Ardwick, MANCHESTER, Greater Manchester, M12 6	Type of Site: Waste Transfer (Extension) Planning application reference: 073710/FO/2004/N2 Description: Scheme comprises construction of 10.7m high sorting shed in connection with waste transfer station. An application (ref: 073710/FO/2004/N2) for Detailed Planning permission was submitted to Manchester C.C. on 21st December 2004. Data source: Historic Planning Application Data Type: Point	-

ID	Location	Address	Further Details	Date
C	38m NE	Site Address: West Goods Yard,Rondin Road, Ardwick, MANCHESTER, Greater Manchester, M12 6	Type of Site: Waste Recycling Station Planning application reference: 094393/FO/2010/N2 Description: Scheme comprises use of land as waste recycling station for segregation of construction, industrial and commercial waste including non-hazardous solid skip waste, incorporating the installation of associated plant, construction of garage workshop and s ing of portable cabin offices. Construction - lighting columns site works. An application (ref: 094393/FO/2010/N2) for detailed planning permission was granted by Manchester C.C. A detailed planning application has been granted.  Data source: Historic Planning Application Data Type: Point	23/03/2011
2	40m NE	Site Address: Vacant Land At, Rondin Road, Manchester, Greater Manchester, M12 6BF	Type of Site: Waste Treatment & Recycling Facility (New/Refurb) Planning application reference: 104703/FO/2014/N2 Description: Scheme comprises change of use of land as 24 hour waste treatment and recycling facility (sui generis) including open storage, soil screening, hard core crushing and grading and green waste treatment together with the construction of detached building fo r treatment of dry waste. Data source: Historic Planning Application Data Type: Point	-
E	162m NW	Site Address: N/A	Type of Site: Scrap Metal Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1932
E	163m W	Site Address: N/A	Type of Site: Scrap Metal Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1948
E	164m W	Site Address: N/A	Type of Site: Scrap Metal Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1948



ID	Location	Address	Further Details	Date
E	165m W	Site Address: N/A	Type of Site: Scrap Metal Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1948
E	165m W	Site Address: N/A	Type of Site: Scrap Metal Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1948
E	166m W	Site Address: N/A	Type of Site: Scrap Metal Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1954
E	166m W	Site Address: N/A	Type of Site: Scrap Metal Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1963
E	166m W	Site Address: N/A	Type of Site: Scrap Metal Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1963
E	166m NW	Site Address: N/A	Type of Site: Scrap Metal Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1932
F	167m 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	1993
F	167m 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	1992
F	168m 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



ID	Location	Address	Further Details	Date
F	168m 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	1993
G	168m 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	1992
G	168m 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
G	168m 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	1994
G	168m 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	1997
G	168m 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	1993
4	170m W	Site Address: Blind Lane, Ardwick, MANCHESTER, Greater Manchester, M12 6JJ	Type of Site: Waste Transfer Station Planning application reference: 050480/96 Description: Site clearance to establish recycling plant for construction materials. Temporary site office. An application (ref: 050480/96) for Detailed Planning permission was submitted to Manchester C.C. on 16th August 1996. Data source: Historic Planning Application Data Type: Point	-
F	184m N	Site Address: N/A	Type of Site: Scrap Metal Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1973



ID	Location	Address	Further Details	Date
H	209m SE	Site Address: N/A	Type of Site: Waste Disposal Works Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1988
H	210m SE	Site Address: N/A	Type of Site: Waste Disposal Works Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1971
H	273m E	Site Address: N/A	Type of Site: Waste Disposal Works Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1983
H	273m E	Site Address: N/A	Type of Site: Waste Disposal Works Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1975
O	395m E	Site Address: N/A	Type of Site: Scrap Metal Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1983
O	397m E	Site Address: N/A	Type of Site: Scrap Metal Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1975
O	397m E	Site Address: N/A	Type of Site: Scrap Metal Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1948
O	397m E	Site Address: N/A	Type of Site: Scrap Metal Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1953
O	397m E	Site Address: N/A	Type of Site: Scrap Metal Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1963





ID	Location	Address	Further Details	Date
O	397m E	Site Address: N/A	Type of Site: Scrap Metal Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1948
P	444m E	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

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

### 3.6 Licensed waste sites

<b>Records within 500m</b>	<b>21</b>
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Active or recently closed waste sites under Environment Agency/Natural Resources Wales regulation.

Features are displayed on the Waste and landfill map on **page 43**

ID	Location	Details		
A	6m NE	Site Name: Howarth Metals Site Address: 22, Rondin Road, Ardwick, Manchester, M12 6BF Correspondence Address: -	Type of Site: 75kte Metal Recycling Site Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: OES001 EPR reference: EA/EPR/MB3832AC/A001 Operator: One51 E S Metals (North) Limited Waste Management licence No: 104965 Annual Tonnage: 74999	Issue Date: 08/10/2013 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
A	6m NE	Site Name: Sims Group U K Limited Site Address: 22, Rondin Road, Ardwick, Manchester, M12 6BF Correspondence Address: -	Type of Site: 75kte Metal Recycling Site Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: SIM002 EPR reference: EA/EPR/EB3803ME/T001 Operator: Sims Group U K Limited Waste Management licence No: 104965 Annual Tonnage: 74999	Issue Date: 08/10/2013 Effective Date: 23/01/2017 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred



ID	Location	Details		
A	6m NE	Site Name: Sims Group U K Limited Site Address: 22, Rondin Road, Ardwick, Manchester, M12 6BF Correspondence Address: -	Type of Site: 75kte Metal Recycling Site Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: SIM002 EPR reference: EA/EPR/EB3803ME/T001 Operator: Sims Group U K Ltd Waste Management licence No: 104965 Annual Tonnage: 74999	Issue Date: 08/10/2013 Effective Date: 23/01/2017 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred
A	6m NE	Site Name: Sims Group U K Limited Site Address: 22, Rondin Road, Ardwick, Manchester, M12 6BF Correspondence Address: -	Type of Site: 75kte Metal Recycling Site Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: SIM002 EPR reference: EA/EPR/EB3803ME/T001 Operator: Sims Group U K Ltd Waste Management licence No: 104965 Annual Tonnage: 74999	Issue Date: 08/10/2013 Effective Date: 23/01/2017 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred
1	30m N	Site Name: P Mc Guinness & Co Ltd Site Address: Rondin House, Rondin Road, Ardwick, Manchester, M12 6BF Correspondence Address: Pearl Environmental, 13, Middleton Road, Reddish, Stockport, SK5 6SG	Type of Site: Household, Commercial & Industrial Waste T Stn Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: MCG003 EPR reference: - Operator: P Mc Guinness & Company Ltd Waste Management licence No: 50363 Annual Tonnage: 0	Issue Date: 21/12/2004 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued



ID	Location	Details		
C	48m E	Site Name: P Mc Guinness & Co Ltd Site Address: Rondin House, Rondin Road, Ardwick, Manchester, M12 6BF Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: MCG003 EPR reference: EA/EPR/CP3294CX/V004 Operator: P Mc Guinness & Co Ltd Waste Management licence No: 50363 Annual Tonnage: 74999	Issue Date: 21/12/2004 Effective Date: - Modified: 24/08/2012 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
3	87m W	Site Name: Birch Skip Hire Site Address: West Goods Yard, Rondin Road, Ardwick, Manchester, M12 6JT Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: BIR103 EPR reference: EA/EPR/PP3291EE/V002 Operator: Birch Skip Hire Ltd Waste Management licence No: 102091 Annual Tonnage: 49999	Issue Date: 07/04/2011 Effective Date: - Modified: 02/12/2013 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Revoked
D	129m N	Site Name: Birch Plant & Waste Services Ltd Site Address: - Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: ACA001 EPR reference: - Operator: Cash Anthony Waste Management licence No: 53760 Annual Tonnage: 6250	Issue Date: 16/12/1993 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued

ID	Location	Details		
D	129m N	Site Name: Birch Skip Hire Site Address: Unit 12, Rondin Road, Ardwick, Manchester, M12 6BF Correspondence Address: Unit 12, Rondin Close, Off Ashton Old Road, Manchester, M12 6LL	Type of Site: Household, Commercial & Industrial Waste T Stn Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: BIR071 EPR reference: - Operator: Birch Skip Hire Ltd. Waste Management licence No: 53760 Annual Tonnage: 6250	Issue Date: 16/12/1993 Effective Date: 01/05/2008 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred
D	129m N	Site Name: Birch Skip Hire Site Address: Unit 12, Rondin Road, Ardwick, Manchester, M12 6BF Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: BIR071 EPR reference: EA/EPR/CP3097LW/V002 Operator: Birch Skip Hire Ltd. Waste Management licence No: 53760 Annual Tonnage: 6250	Issue Date: 16/12/1993 Effective Date: 01/05/2008 Modified: 15/10/2008 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Revoked
D	129m N	Site Name: Birch Skip Hire Site Address: Unit 12, Rondin Road, Ardwick, Manchester, M12 6BF Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: BIR071 EPR reference: EA/EPR/CP3097LW/V002 Operator: Birch Skip Hire Ltd Waste Management licence No: 53760 Annual Tonnage: 6250	Issue Date: 16/12/1993 Effective Date: 01/05/2008 Modified: 15/10/2008 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Revoked

ID	Location	Details		
D	129m N	Site Name: Birch Skip Hire Site Address: Unit 12, Rondin Road, Ardwick, Manchester, M12 6BF Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: BIR071 EPR reference: EA/EPR/CP3097LW/V002 Operator: Birch Skip Hire Ltd Waste Management licence No: 53760 Annual Tonnage: 6250	Issue Date: 16/12/1993 Effective Date: 01/05/2008 Modified: 15/10/2008 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Revoked
5	175m N	Site Name: P Mc Guinness & Co Transfer Station Site Address: Units 15, Rondin Close, Ardwick, Manchester, M12 6BF Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: MCG002 EPR reference: EA/EPR/RP3098CB/A001 Operator: P Mc Guinness & Co Ltd Waste Management licence No: 50105 Annual Tonnage: 4999	Issue Date: 09/08/2002 Effective Date: - Modified: 21/12/2004 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Expired
F	219m NE	Site Name: Ashton Old Road Recycling Depot Site Address: Ashton Old Road Recycling Depot, Ashton Old Road, Manchester, M11 2XX Correspondence Address: -	Type of Site: Treatment of waste to produce soil 75,000 tpy Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: WMA012 EPR reference: EA/EPR/GB3930AM/A001 Operator: W Maher & Sons Ltd Waste Management licence No: 104212 Annual Tonnage: 74999	Issue Date: 11/05/2012 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued



ID	Location	Details		
F	219m NE	Site Name: Ashton Old Road Recycling Depot Site Address: Ashton Old Road Recycling Depot, Ashton Old Road, Manchester, M11 2XX Correspondence Address: -	Type of Site: Treatment of waste to produce soil 75,000 tpy Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: WMA012 EPR reference: EA/EPR/GB3930AM/A001 Operator: W Maher & Sons Ltd Waste Management licence No: 104212 Annual Tonnage: 74999	Issue Date: 11/05/2012 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
I	269m NW	Site Name: Hooper Street Depot Site Address: Operational Depot, Hooper Street, Manchester, M12 6LA Correspondence Address: -	Type of Site: Inert & Excavation WTS with treatment Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: MAN114 EPR reference: EA/EPR/DB3839DD/A001 Operator: Manchester City Council Waste Management licence No: 103692 Annual Tonnage: 249999	Issue Date: 15/12/2011 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
I	269m NW	Site Name: Hooper Street Depot Site Address: Operational Depot, Hooper Street, Manchester, M12 6LA Correspondence Address: -	Type of Site: Inert & Excavation WTS with treatment Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: MAN114 EPR reference: EA/EPR/DB3839DD/A001 Operator: Manchester City Council Waste Management licence No: 103692 Annual Tonnage: 249999	Issue Date: 15/12/2011 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
O	400m E	Site Name: Breakers Yard, 8 Tuley Street Site Address: 8, Tuley Street, Gorton, Manchester, M11 2DY Correspondence Address: -	Type of Site: Vehicle Depollution Facility 5000 tps Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: ANY032 EPR reference: EA/EPR/AB3133RU/A001 Operator: Anyaeriuba Emmanuel Waste Management licence No: 102972 Annual Tonnage: 4999	Issue Date: 27/07/2011 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued



ID	Location	Details		
O	417m E	Site Name: Iwaste Ltd Site Address: Iwaste Ltd, Gorton Road, Gorton, Manchester, M11 2DZ Correspondence Address: -	Type of Site: Vehicle Depollution Facility 5000 tps Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: IWA002 EPR reference: EA/EPR/KB3238RL/A001 Operator: Iwaste Ltd Waste Management licence No: 104595 Annual Tonnage: 4999	Issue Date: 25/10/2012 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
10	448m E	Site Name: Concorde Metals Recycling Site Address: Vaughan Industrial Estate, Unit 10, Vaughan Street, West Gorton, Manchester, M12 5BT Correspondence Address: -	Type of Site: Metal Recycling Site (mixed MRS's) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: CMR001 EPR reference: EA/EPR/ZP3098CT/A001 Operator: Concorde Metals Recycling Ltd Waste Management licence No: 50030 Annual Tonnage: 0	Issue Date: 29/08/2003 Effective Date: - Modified: - Surrendered Date: Dec 6 2011 12:00AM Expiry Date: - Cancelled Date: - Status: Surrendered
P	483m E	Site Name: Auto Salvage Holtown Ltd Site Address: Land/premises At, Gorton Road, Gorton, Manchester, M11 2DZ Correspondence Address: -	Type of Site: ELV Facility Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: AUT005 EPR reference: EA/EPR/UP3594CX/A001 Operator: Auto Salvage Holtown Ltd Waste Management licence No: 50275 Annual Tonnage: 2500	Issue Date: 14/05/2004 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Expired

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

### 3.7 Waste exemptions

<b>Records within 500m</b>	<b>53</b>
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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 43**



ID	Location	Site	Reference	Category	Sub-Category	Description
A	On site	22, RONDIN ROAD, MANCHESTER, M12 6BF	WEX036689	Storing waste exemption	Not on a farm	Storage of waste in a secure place
A	On site	22, RONDIN ROAD, MANCHESTER, M12 6BF	WEX036689	Treating waste exemption	Not on a farm	Recovery of scrap metal
B	On site	Sims Group UK Limited, 22 Rondin Road, Manchester, M12 6BF	WEX197627	Treating waste exemption	Not on a farm	Recovery of scrap metal
B	On site	Sims Group UK Limited, 22 Rondin Road, Manchester, M12 6BF	WEX197627	Storing waste exemption	Not on a farm	Storage of waste in a secure place
J	287m S	Olympic Freight Terminal Bennett Street Manchester Manchester M12 5AP	EPR/PF0904N C/A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of waste in a secure place
J	315m S	OLYMPIC FREIGHT TERMINAL, BENNETT STREET, MANCHESTER, M12 5AP	WEX110324	Storing waste exemption	Not on a farm	Storage of waste in secure containers
J	315m S	OLYMPIC FREIGHT TERMINAL, BENNETT STREET, MANCHESTER, M12 5AP	WEX110324	Storing waste exemption	Not on a farm	Storage of waste in a secure place
J	315m S	OLYMPIC FREIGHT TERMINAL, BENNETT STREET, MANCHESTER, M12 5AP	WEX110324	Treating waste exemption	Not on a farm	Sorting mixed waste
J	315m S	OLYMPIC FREIGHT TERMINAL, BENNETT STREET, MANCHESTER, M12 5AP	WEX110324	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
J	315m S	OLYMPIC FREIGHT TERMINAL, BENNETT STREET, MANCHESTER, M12 5AP	WEX110324	Treating waste exemption	Not on a farm	Screening and blending of waste
J	315m S	OLYMPIC FREIGHT TERMINAL, BENNETT STREET, MANCHESTER, M12 5AP	WEX110324	Treating waste exemption	Not on a farm	Recovery of scrap metal





ID	Location	Site	Reference	Category	Sub-Category	Description
K	322m S	Maple Industrial Estate 1 Bennett Street Ardwick Manchester M12 5AQ	EA/EPR/VP368 4HZ/A001	Treating waste exemption	Non- Agricultura l Waste Only	Repair or refurbishment of WEEE
K	322m S	Maple Industrial Estate Unit 2, Bennett street Ardwick, manchester, m125aq	WEX139276	Storing waste exemption	Not on a farm	Storage of waste in a secure place
K	332m S	Unit 10 Bennett Street, Manchester, M12 5AQ	EA/EPR/VP378 4DF/A001	Treating waste exemption	Non- Agricultura l Waste Only	Repair or refurbishment of WEEE
6	334m NW	Unit 5, Midland Street, MANCHESTER, M12 6LB	WEX080341	Storing waste exemption	Not on a farm	Storage of waste in a secure place
L	337m SE	40-42 Matthews Street, Ardwick, Manchester, M12 5BB	EA/EPR/VP398 1HZ/A001	Treating waste exemption	Not on a farm	Repair or refurbishment of WEEE
L	341m SE	41, MATTHEWS STREET, MANCHESTER, M12 5BB	WEX244653	Treating waste exemption	Not on a farm	Cleaning, washing, spraying or coating relevant waste
L	341m SE	41, MATTHEWS STREET, MANCHESTER, M12 5BB	WEX244653	Storing waste exemption	Not on a farm	Storage of waste in a secure place
L	341m SE	41, MATTHEWS STREET, MANCHESTER, M12 5BB	WEX244653	Storing waste exemption	Not on a farm	Storage of waste in secure containers
L	341m SE	41, MATTHEWS STREET, MANCHESTER, M12 5BB	WEX244653	Treating waste exemption	Not on a farm	Treatment of waste aerosol cans
L	341m SE	41, MATTHEWS STREET, MANCHESTER, M12 5BB	WEX244653	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
L	341m SE	41, MATTHEWS STREET, MANCHESTER, M12 5BB	WEX244653	Treating waste exemption	Not on a farm	Recovery of textiles
J	346m S	Suite 1, Olympic Freight Terminal, Bennett Street, Adwick, Manchester, M12 5NL	EA/EPR/VP388 2RQ/A001	Treating waste exemption	Not on a farm	Repair or refurbishment of WEEE
M	371m S	BENNETT STREET ARDWICK MANCHESTER M12 5NL	EPR/QH0271D A/A001	Using waste exemption	Non- Agricultura l Waste Only	Use of waste in construction
N	376m SW	-	WEX259711	Storing waste exemption	Not on a farm	Storage of waste in a secure place



ID	Location	Site	Reference	Category	Sub-Category	Description
N	376m SW	-	WEX259711	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
N	376m SW	135, BENNETT STREET, MANCHESTER, M12 5BW	WEX114266	Storing waste exemption	Not on a farm	Storage of waste in a secure place
N	376m SW	135, BENNETT STREET, MANCHESTER, M12 5BW	WEX114266	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
M	379m S	Land at Bennett Street to the North Side of Hyde Road, Ardwick, Manchester, M12 5NL	WEX102047	Storing waste exemption	Not on a farm	Storage of waste in secure containers
M	379m S	Land at Bennett Street to the North Side of Hyde Road, Ardwick, Manchester, M12 5NL	WEX102047	Storing waste exemption	Not on a farm	Storage of waste in a secure place
M	379m S	Land at Bennett Street to the North Side of Hyde Road, Ardwick, Manchester, M12 5NL	WEX102047	Treating waste exemption	Not on a farm	Sorting mixed waste
M	379m S	Land at Bennett Street to the North Side of Hyde Road, Ardwick, Manchester, M12 5NL	WEX102047	Treating waste exemption	Not on a farm	Manual treatment of waste
M	379m S	Land at Bennett Street to the North Side of Hyde Road, Ardwick, Manchester, M12 5NL	WEX102047	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
M	379m S	Land at Bennett Street to the North Side of Hyde Road, Ardwick, Manchester, M12 5NL	WEX102047	Treating waste exemption	Not on a farm	Screening and blending of waste
M	379m S	Land at Bennett Street to the North Side of Hyde Road, Ardwick, Manchester, M12 5NL	WEX102047	Treating waste exemption	Not on a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
M	379m S	Land at Bennett Street to the North Side of Hyde Road, Ardwick, Manchester, M12 5NL	WEX102047	Treating waste exemption	Not on a farm	Recovery of scrap metal

ID	Location	Site	Reference	Category	Sub-Category	Description
M	379m S	Land at Bennett Street to the North Side of Hyde Road, Ardwick, Manchester, M12 5NL	WEX102047	Using waste exemption	Not on a farm	Use of waste in construction
M	379m S	Land at Bennett Street to the North Side of Hyde Road, Ardwick, Manchester, M12 5NL	WEX102047	Using waste exemption	Not on a farm	Use of waste for a specified purpose
M	389m S	Unit 4, Olympic freight terminal, Bennett street, Manchester, M125NL	WEX229458	Treating waste exemption	Not on a farm	Recovery of scrap metal
7	392m W	Universal Building 37/46 Devonshire Street North Manchester M12 6JR	EPR/TF0104KY /A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of waste in a secure place
8	423m NW	Unit 5, Midland Street, MANCHESTER, M12 6LB	WEX227371	Storing waste exemption	Not on a farm	Storage of waste in a secure place
O	426m E	southside railings, Gorton road, ardwick, manchester, m112dz	WEX088425	Storing waste exemption	Not on a farm	Storage of waste in a secure place
O	426m E	southside railings, Gorton road, ardwick, manchester, m112dz	WEX088425	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
9	427m S	Unit 11 Maple Industrial Estate, Bennett Street, Ardwick, Manchester, M12 5AQ	EA/EPR/VP388 4WK/A001	Treating waste exemption	Not on a farm	Repair or refurbishment of WEEE
Q	466m W	HIGHER ARDWICK, MANCHESTER, M12 6DB	WEX080086	Using waste exemption	Not on a farm	Use of waste for a specified purpose
Q	466m W	HIGHER ARDWICK, MANCHESTER, M12 6DB	WEX080086	Using waste exemption	Not on a farm	Use of waste to manufacture finished goods
P	488m E	NWEP Gorton Road Compound, Gorton Road, Manchester, M11 2DZ	WEX149727	Storing waste exemption	Not on a farm	Storage of waste in secure containers
P	488m E	NWEP Gorton Road Compound, Gorton Road, Manchester, M11 2DZ	WEX149727	Using waste exemption	Not on a farm	Use of waste in construction
P	488m E	NWEP Gorton Road Compound, Gorton Road, Manchester, M11 2DZ	WEX149727	Storing waste exemption	Not on a farm	Storage of waste in a secure place

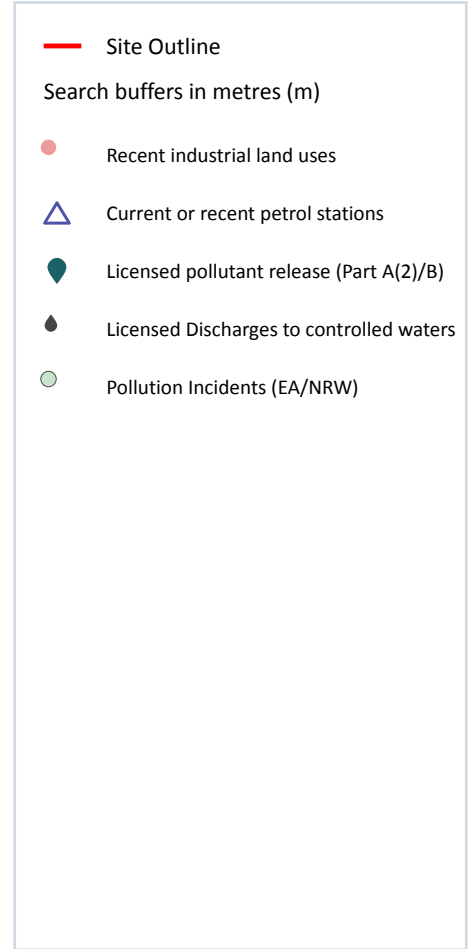
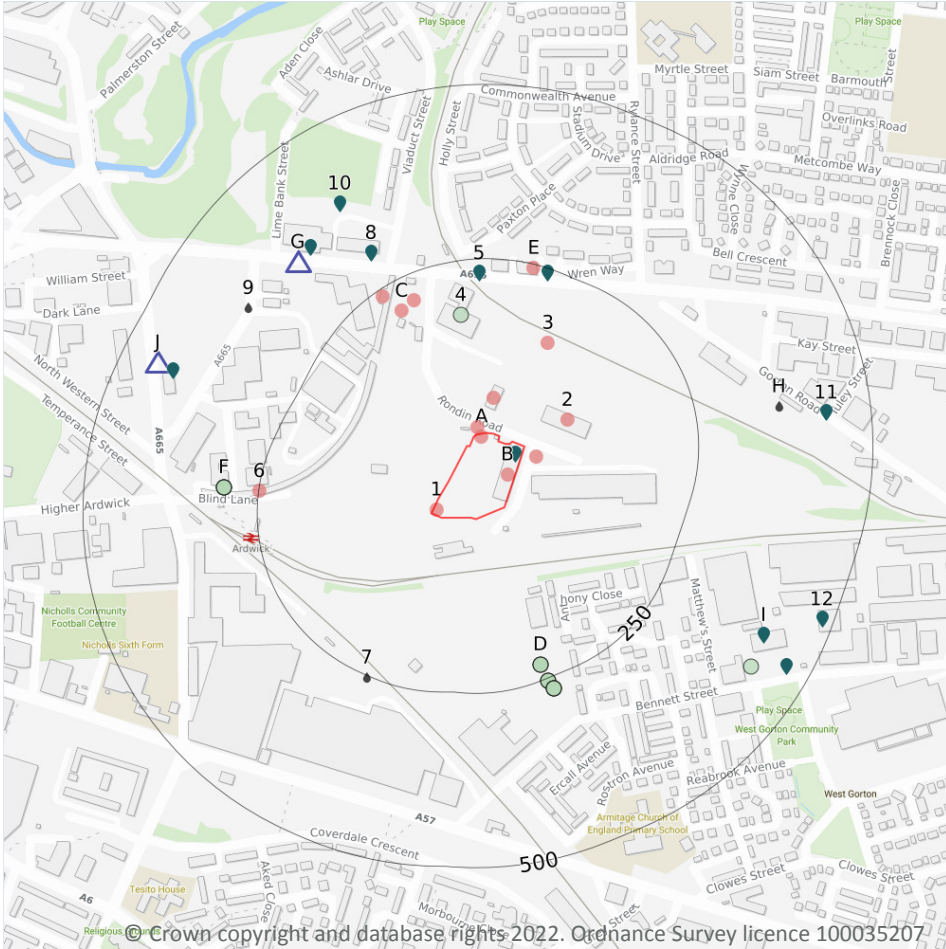


ID	Location	Site	Reference	Category	Sub-Category	Description
P	488m E	NWEP Gorton Road Compound, Gorton Road, Manchester, M11 2DZ	WEX113199	Storing waste exemption	Not on a farm	Storage of waste in a secure place
P	488m E	NWEP Gorton Road Compound, Gorton Road, Manchester, M11 2DZ	WEX113199	Using waste exemption	Not on a farm	Use of waste in construction
11	498m W	Corner of Cresbury Street North Western Street Ardwick Lancashire M12 6DX	EPR/WF0137A Q/A001	Treating waste exemption	Non-Agricultural Waste Only	Manual treatment of waste
12	499m E	Manchester Paper Plastic Ltd, 135 Bennett Street, Manchester, M12 5BW	WEX172274	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



### 4.1 Recent industrial land uses

Records within 250m

13

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on **page 61**

ID	Location	Company	Address	Activity	Category
1	On site	Chimney	Greater Manchester, M12	Chimneys	Industrial Features
A	On site	Electricity Sub Station	Greater Manchester, M12	Electrical Features	Infrastructure and Facilities
B	On site	Sims Metal Management	22, Rondin Road, Manchester, Greater Manchester, M12 6BF	Scrap Metal Merchants	Recycling Services

ID	Location	Company	Address	Activity	Category
A	10m N	Electricity Sub Station	Greater Manchester, M12	Electrical Features	Infrastructure and Facilities
B	20m E	Electricity Sub Station	Greater Manchester, M12	Electrical Features	Infrastructure and Facilities
A	52m N	P McGuinness & Co Ltd	Rondin Road, Manchester, Greater Manchester, M12 6BF	Demolition Services	Construction Services
2	72m NE	Holland Hydroponics	17-19, Rondin Road, Manchester, Greater Manchester, M12 6BF	Horticultural Equipment	Industrial Products
3	150m NE	Ardwick Railway Goods Yard Incinerator (Newhaven EFW Plant) - EFW Incineration (BEIS)	Ardwick Railway Goods Yard, Ardwick, Manchester, Greater Manchester, M12	Energy Production	Industrial Features
C	208m NW	Thrifty Car & Van Rental	2a, Rondin Road, Manchester, Greater Manchester, M12 6LL	Vehicle Hire and Rental	Hire Services
C	214m N	Dollar	Thrifty Car Rental, 2a, Rondin Road, Manchester, Greater Manchester, M12 6LL	Vehicle Hire and Rental	Hire Services
C	239m NW	786 Autos	48, Ashton Old Road, Manchester, Greater Manchester, M12 6LP	Vehicle Repair, Testing and Servicing	Repair and Servicing
E	245m N	Manchester Alloy Wheel Repairs Ltd	223, Ashton Old Road, Manchester, Greater Manchester, M11 3WU	Vehicle Repair, Testing and Servicing	Repair and Servicing
6	249m W	Trade Centre	Arch 7-8, Blind Lane, Manchester, Greater Manchester, M12 6JT	Vehicle Repair, Testing and Servicing	Repair and Servicing

*This data is sourced from Ordnance Survey.*

## 4.2 Current or recent petrol stations

**Records within 500m**

**2**

Open, closed, under development and obsolete petrol stations.

Features are displayed on the Current industrial land use map on **page 61**



ID	Location	Company	Address	LPG	Status
G	356m NW	OBSOLETE	38, Ashton Old Road, Ancoats, Manchester, Greater Manchester, M12 6LP	Not Applicable	Obsolete
J	448m W	BP	Chancellor Lane, Ardwick, Manchester, Greater Manchester, M12 6JZ	No	Open

*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** **0**

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.

*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

0

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.

*This data is sourced from Local Authority records.*

## 4.9 Historical licensed industrial activities (IPC)

Records within 500m

0

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.

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

## 4.10 Licensed industrial activities (Part A(1))

Records within 500m

0

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

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

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

Records within 500m

11

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 61**



ID	Location	Address	Details	
B	On site	<b>ONE51 ES Metals (North) Ltd t/a W Howarth Metals Ltd, 22 Rondin Road, Ardwick, Manchester, United Kingdom, M12 6BF</b>	<b>Process: Non-ferrous Metal Foundry Processes</b> <b>Status: Historical Permit</b> <b>Permit Type: Part A2</b>	<b>Enforcement: No Enforcement Notified</b> <b>Date of enforcement: No Enforcement Notified</b> <b>Comment: No Enforcement Notified</b>
5	229m N	Dc Cook Manchester Ltd, Rondin Close, M12 6LL	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
E	242m N	P McGuiness & Co Ltd, Holt Town, M40 7FQ	Process: Quarry Processes Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
8	301m NW	Sanderson Ford, Ashton Old Road, Ardwick, M12 6JD	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
G	358m NW	Mercedes-Benz Retail Used Cars, 83 Ashton Old Road, Bradford, Manchester, M12 6BL	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
10	385m NW	Bristol St Manchester Ltd, Ashton Old Rd, M12 6BL	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
I	414m SE	Approved Hydraulics, The Book Business Complex, Bennett Street, M12 5AV	Process: Waste Oil Burner 0.4 MW Status: New Legislation Applies Permit Type: Part B	Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
J	422m W	Ardwick Service Station, Chancellor Lane, Ardwick, M12 6JZ	Process: Unloading of Petrol into Storage at Service Stations Status: Current Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified



ID	Location	Address	Details	
11	435m E	Corbett Robertson & Co, Tutley St, M11 2DY	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
I	463m SE	Forrest And Sym Ltd, 155 Bennett Street, Ardwick, M12 5FS	Process: Non-ferrous Metal Foundry Processes Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
12	482m E	Kingspan Hotwater Systems Ltd (Manchester Coppersmiths), Garland Works, Bennett Street, Ardwick, M12 5BW	Process: Di-isocyanate Processes Status: Current 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**

**4**

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 61**

ID	Location	Address	Details	
7	253m SW	GORTON ROAD (LIGHTING TOWER), CLAYTON, MANCHESTER, GREATER MANCHESTER, M11 2DZ	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0199 Permit Version: 1 Receiving Water: BLACK BROOK	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: - Effective Date: 01/01/1995 Revocation Date: 20/01/2014



ID	Location	Address	Details	
H	369m E	GORTON ROAD (LIGHTING TOWER), CLAYTON, MANCHESTER, GREATER MANCHESTER, M11 2DZ	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0199 Permit Version: 2 Receiving Water: BLACK BROOK	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 29/03/2010 Effective Date: 21/01/2014 Revocation Date: 08/01/2020
H	369m E	GORTON ROAD (LIGHTING TOWER), CLAYTON, MANCHESTER, GREATER MANCHESTER, M11 2DZ	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: NPSWQD010710 Permit Version: 1 Receiving Water: BLACK BROOK	Status: VARIED UNDER EPR 2010 Issue date: 09/01/2020 Effective Date: 09/01/2020 Revocation Date: -
9	371m NW	BERRY ST/BUXWORTH ST, MANCHESTER, GREATER MANCHESTER	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0255 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: -

*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**

**0**

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.

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



## 4.17 List 2 Dangerous Substances

Records within 500m

0

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.

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

## 4.18 Pollution Incidents (EA/NRW)

Records within 500m

16

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 61**

ID	Location	Details	
4	172m N	Incident Date: 15/09/2003 Incident Identification: 189905 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Dust	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
D	227m S	Incident Date: 11/02/2011 Incident Identification: 857784 Pollutant: General Biodegradable Materials and Wastes Pollutant Description: Other General Biodegradable Material or Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 2 (Significant) Air Impact: Category 4 (No Impact)
D	227m S	Incident Date: 11/02/2011 Incident Identification: 857784 Pollutant: Inert Materials and Wastes Pollutant Description: Construction and Demolition Materials and Wastes	Water Impact: Category 4 (No Impact) Land Impact: Category 2 (Significant) Air Impact: Category 4 (No Impact)
D	227m S	Incident Date: 11/02/2011 Incident Identification: 857784 Pollutant: Specific Waste Materials Pollutant Description: Asbestos	Water Impact: Category 4 (No Impact) Land Impact: Category 2 (Significant) Air Impact: Category 4 (No Impact)
D	254m S	Incident Date: 14/01/2003 Incident Identification: 131416 Pollutant: Specific Waste Materials Pollutant Description: Metal Wastes	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
D	254m S	Incident Date: 14/01/2003 Incident Identification: 131416 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)

ID	Location	Details	
D	254m S	Incident Date: 14/01/2003 Incident Identification: 131416 Pollutant: Inert Materials and Wastes:Specific Waste Materials Pollutant Description: Construction and Demolition Materials and Wastes:Metal Wastes	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
D	267m S	Incident Date: 09/04/2002 Incident Identification: 70101 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Smoke	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
D	267m S	Incident Date: 09/04/2002 Incident Identification: 70101 Pollutant: Inert Materials and Wastes Pollutant Description: Construction and Demolition Materials and Wastes	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
D	267m S	Incident Date: 09/04/2002 Incident Identification: 70101 Pollutant: Specific Waste Materials Pollutant Description: Metal Wastes	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
D	267m S	Incident Date: 09/04/2002 Incident Identification: 70101 Pollutant: Atmospheric Pollutants and Effects:Inert Materials and Wastes:Specific Waste Materials Pollutant Description: Smoke:Construction and Demolition Materials and Wastes:Metal Wastes	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
F	300m W	Incident Date: 11/09/2001 Incident Identification: 30107 Pollutant: Specific Waste Materials:Specific Waste Materials:Specific Waste Materials Pollutant Description: Commercial Waste:Containers:Household Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
F	300m W	Incident Date: 11/09/2001 Incident Identification: 30107 Pollutant: Specific Waste Materials Pollutant Description: Household Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
F	300m W	Incident Date: 11/09/2001 Incident Identification: 30107 Pollutant: Specific Waste Materials Pollutant Description: Commercial Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
F	300m W	Incident Date: 11/09/2001 Incident Identification: 30107 Pollutant: Specific Waste Materials Pollutant Description: Containers	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)



ID	Location	Details	
I	421m SE	Incident Date: 22/03/2001 Incident Identification: 714 Pollutant: Inert Materials and Wastes Pollutant Description: Construction and Demolition Materials and Wastes	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)

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

#### 4.19 Pollution inventory substances

<b>Records within 500m</b>	<b>0</b>
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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

<b>Records within 500m</b>	<b>0</b>
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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.

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

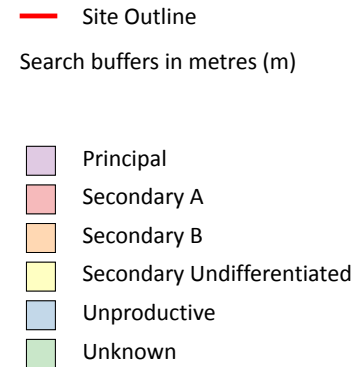
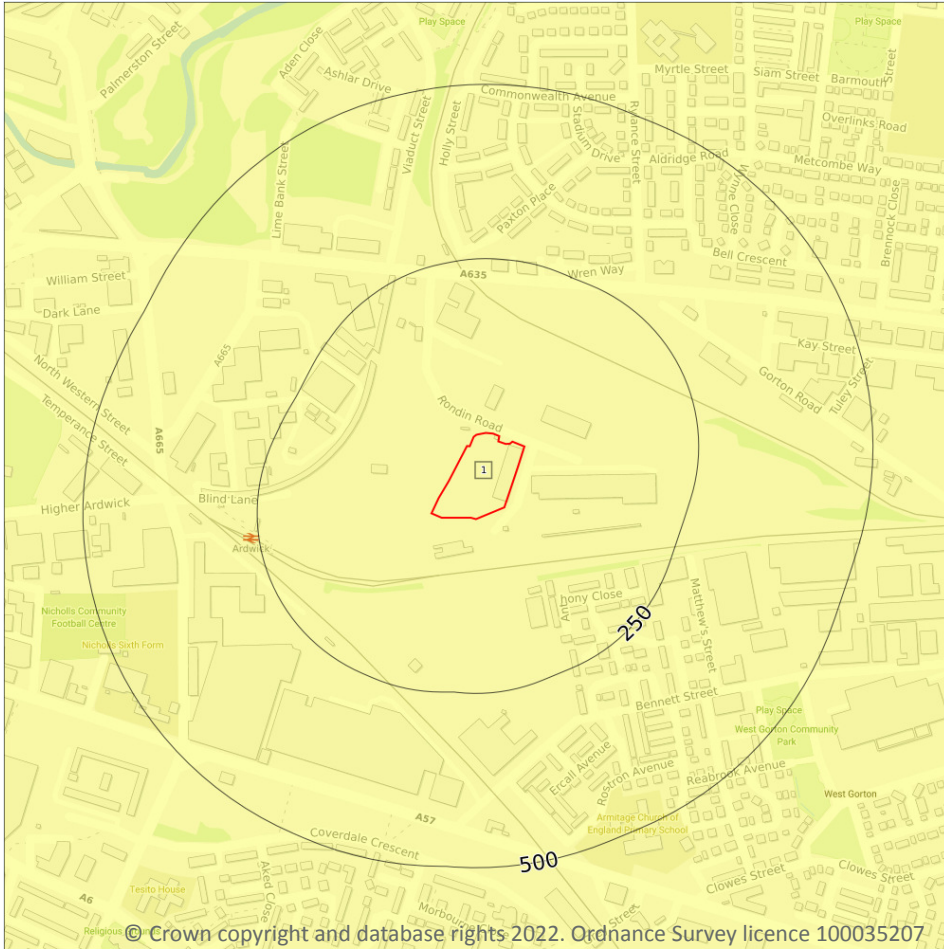
#### 4.21 Pollution inventory radioactive waste

<b>Records within 500m</b>	<b>0</b>
----------------------------	----------

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



### 5.1 Superficial aquifer

Records within 500m

1

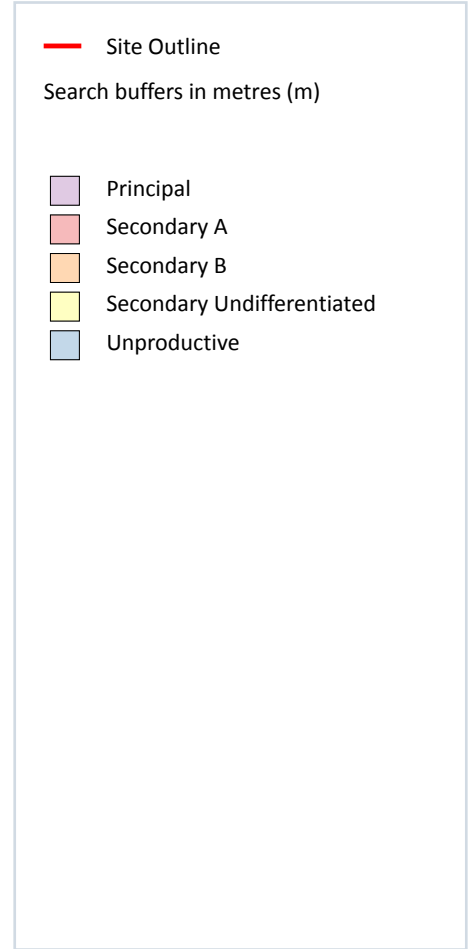
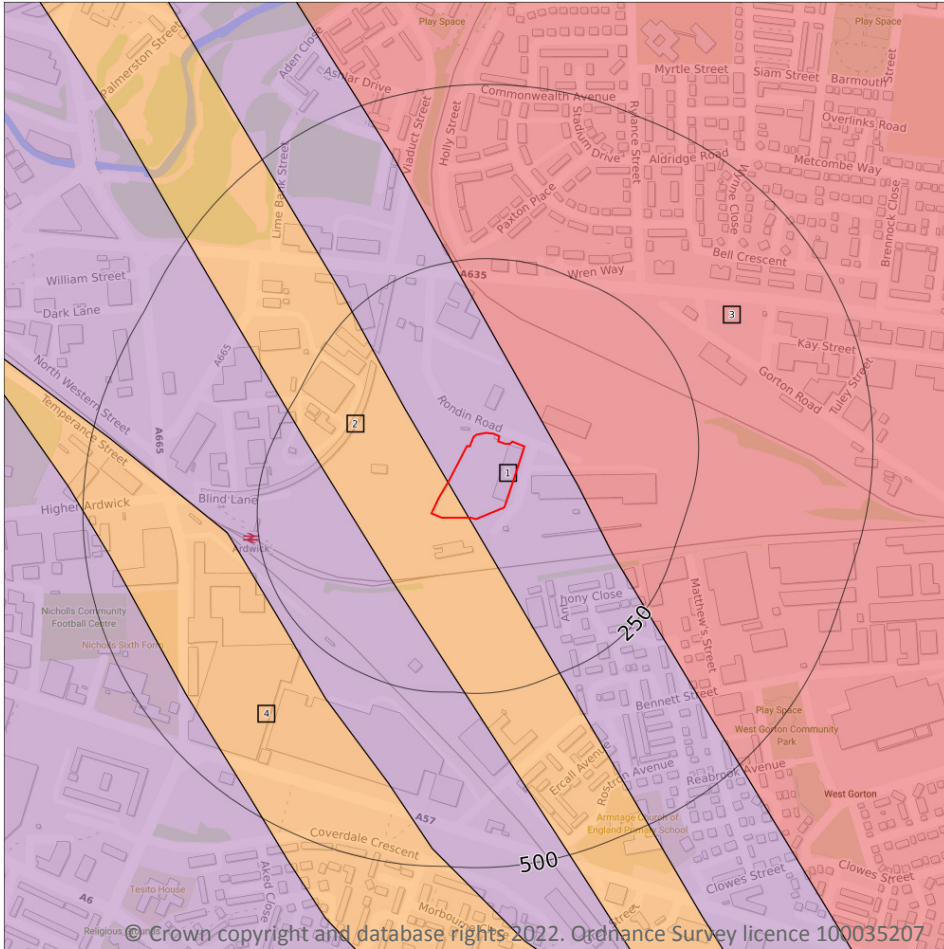
Aquifer status of groundwater held within superficial geology.

Features are displayed on the Hydrogeology map on **page 71**

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



### 5.2 Bedrock aquifer

Records within 500m

4

Aquifer status of groundwater held within bedrock geology.

Features are displayed on the Bedrock aquifer map on **page 72**

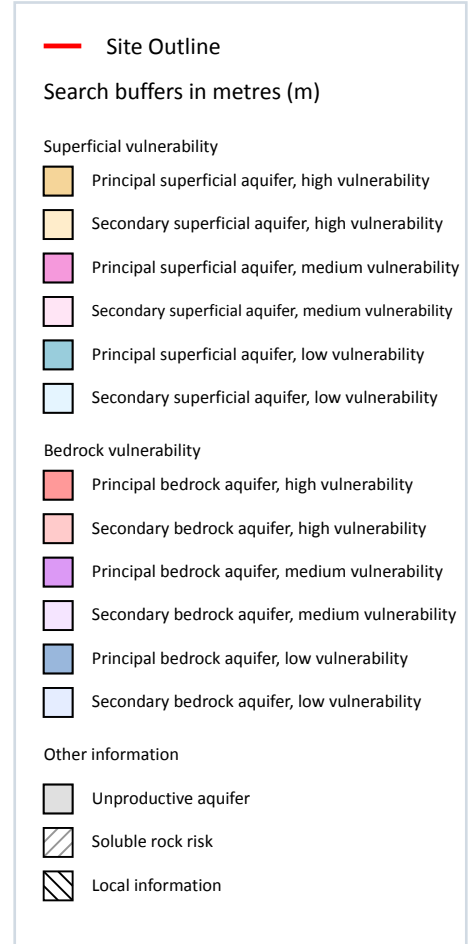
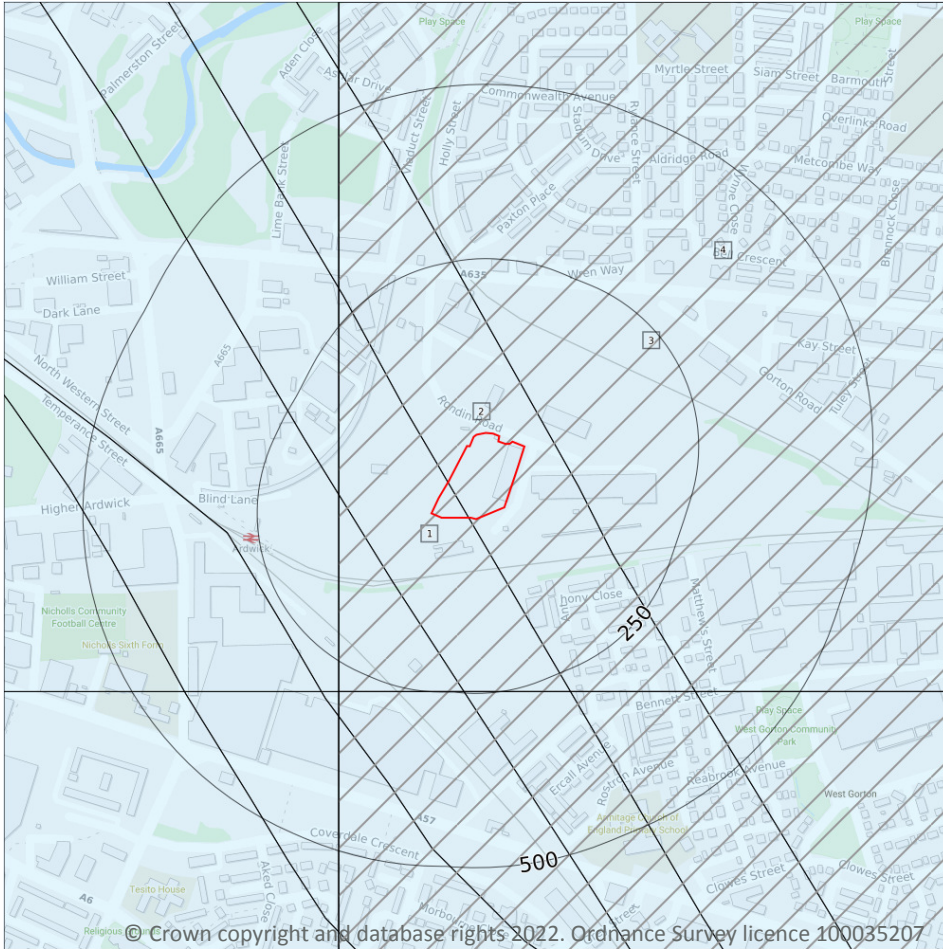
ID	Location	Designation	Description
1	On site	Principal	Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers
2	On site	Secondary B	Predominantly lower permeability layers which may store/yield limited amounts of groundwater due to localised features such as fissures, thin permeable horizons and weathering. These are generally the water-bearing parts of the former non-aquifers



ID	Location	Designation	Description
3	40m NE	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
4	266m SW	Secondary B	Predominantly lower permeability layers which may store/yield limited amounts of groundwater due to localised features such as fissures, thin permeable horizons and weathering. These are generally the water-bearing parts of the former non-aquifers

*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

3

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 74**

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	On site	<b>Summary Classification:</b> Secondary superficial aquifer - Low Vulnerability <b>Combined classification:</b> Productive Bedrock Aquifer, Productive Superficial Aquifer	<b>Leaching class:</b> Low <b>Infiltration value:</b> <40% <b>Dilution value:</b> 300-550mm/year	<b>Vulnerability:</b> Low <b>Aquifer type:</b> Secondary <b>Thickness:</b> >10m <b>Patchiness value:</b> >90% <b>Recharge potential:</b> Medium	<b>Vulnerability:</b> Low <b>Aquifer type:</b> Secondary <b>Flow mechanism:</b> Well connected fractures
2	On site	<b>Summary Classification:</b> Secondary superficial aquifer - Low Vulnerability <b>Combined classification:</b> Productive Bedrock Aquifer, Productive Superficial Aquifer	<b>Leaching class:</b> Low <b>Infiltration value:</b> <40% <b>Dilution value:</b> 300-550mm/year	<b>Vulnerability:</b> Low <b>Aquifer type:</b> Secondary <b>Thickness:</b> >10m <b>Patchiness value:</b> >90% <b>Recharge potential:</b> Medium	<b>Vulnerability:</b> Low <b>Aquifer type:</b> Principal <b>Flow mechanism:</b> Well connected fractures
4	39m NE	<b>Summary Classification:</b> Secondary superficial aquifer - Low Vulnerability <b>Combined classification:</b> Productive Bedrock Aquifer, Productive Superficial Aquifer	<b>Leaching class:</b> Low <b>Infiltration value:</b> <40% <b>Dilution value:</b> 300-550mm/year	<b>Vulnerability:</b> Low <b>Aquifer type:</b> Secondary <b>Thickness:</b> >10m <b>Patchiness value:</b> >90% <b>Recharge potential:</b> Medium	<b>Vulnerability:</b> Low <b>Aquifer type:</b> Secondary <b>Flow mechanism:</b> 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

<b>Records on site</b>	<b>1</b>
------------------------	----------

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

ID	Maximum soluble risk category	Percentage of grid square covered by maximum risk
3	<b>Significant soluble rocks are likely to be present. Problems unlikely except with considerable surface or subsurface water flow.</b>	<b>4.0%</b>

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

## 5.5 Groundwater vulnerability- local information

<b>Records on site</b>	<b>0</b>
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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

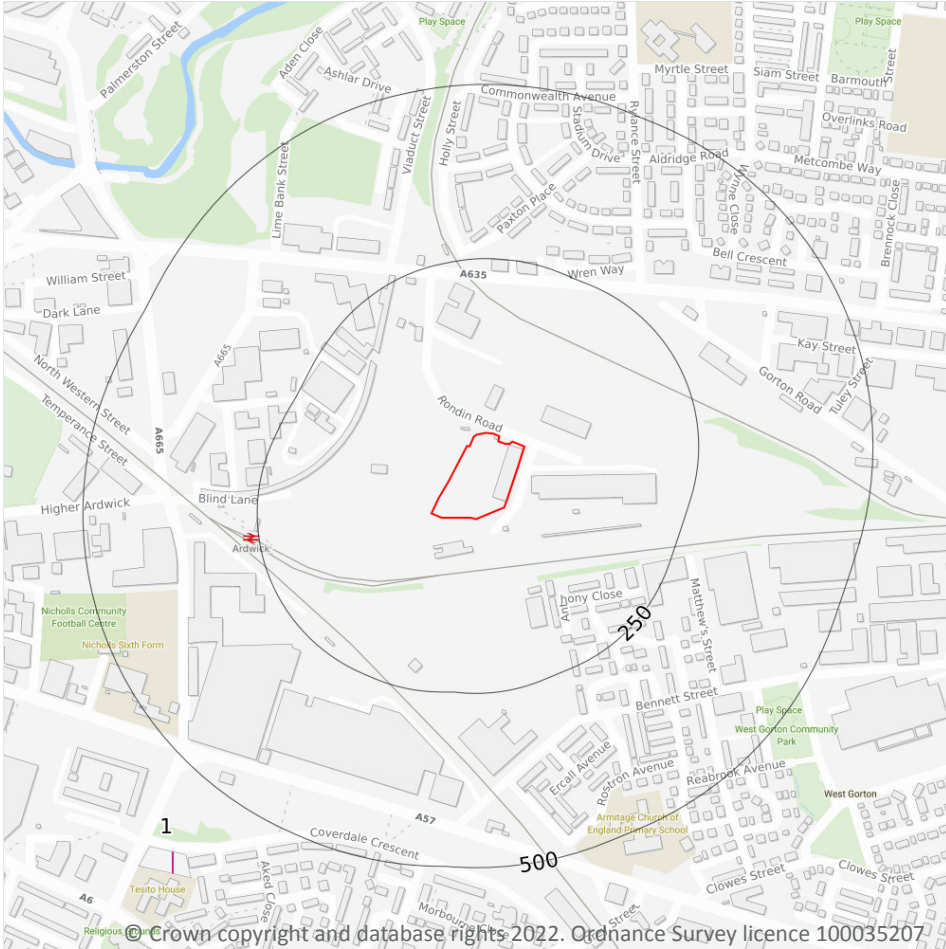


email on [enquiries@environment-agency.gov.uk](mailto:enquiries@environment-agency.gov.uk).

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



## Abstractions and Source Protection Zones



### 5.6 Groundwater abstractions

Records within 2000m

33

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 77**

ID	Location	Details	
1	603m SW	Status: Historical Licence No: NW/069/0004/005 Details: Heat Pump Direct Source: Ground Water - North West Region Point: AREA OF ABSTRACTION - LOWER CARBONIFEROUS LIMESTONE Data Type: Poly4 Name: G T Energy UK Limited Easting: 385729 Northing: 396778	Annual Volume (m <sup>3</sup> ): 2,049,840 Max Daily Volume (m <sup>3</sup> ): 8640 Original Application No: - Original Start Date: 17/01/2013 Expiry Date: 16/01/2037 Issue No: 2 Version Start Date: 11/06/2013 Version End Date: -
-	937m W	Status: Historical Licence No: 2569006001 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Ground Water - North West Region Point: "BOREHOLE AT PREMISES, BROADIE ST, ARDWICK, MANCHESTER" Data Type: Point Name: MOSELEY RUBBER CO LTD Easting: 385240 Northing: 397540	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 08/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 08/02/1966 Version End Date: -
-	937m W	Status: Historical Licence No: 2569006001 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Ground Water - North West Region Point: BOREHOLE AT PREMISES, BROADIE ST, ARDWICK, MANCHESTER Data Type: Point Name: MOSELEY RUBBER CO LTD Easting: 385240 Northing: 397540	Annual Volume (m <sup>3</sup> ): 331858 Max Daily Volume (m <sup>3</sup> ): 909.2 Original Application No: - Original Start Date: 08/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 08/02/1966 Version End Date: -
-	1569m NE	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 <sup>3</sup> ): 266113 Max Daily Volume (m <sup>3</sup> ): 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: -



ID	Location	Details	
-	1569m NE	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 <sup>3</sup> ): 266113 Max Daily Volume (m <sup>3</sup> ): 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: -
-	1569m NE	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 <sup>3</sup> ): 266113 Max Daily Volume (m <sup>3</sup> ): 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: -
-	1569m NE	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 <sup>3</sup> ): 221,650 Max Daily Volume (m <sup>3</sup> ): 1,000 Original Application No: NPS/WR/024168 Original Start Date: 01/04/2018 Expiry Date: 31/03/2024 Issue No: 1 Version Start Date: 01/04/2018 Version End Date: -
-	1569m NE	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 <sup>3</sup> ): 221,650 Max Daily Volume (m <sup>3</sup> ): 1,000 Original Application No: NPS/WR/024168 Original Start Date: 01/04/2018 Expiry Date: 31/03/2024 Issue No: 1 Version Start Date: 01/04/2018 Version End Date: -
-	1617m NE	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 <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - 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	
-	1617m NE	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 <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 24/03/1966 Expiry Date: - Issue No: 101 Version Start Date: 25/07/2000 Version End Date: -
-	1617m NE	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 <sup>3</sup> ): 633962 Max Daily Volume (m <sup>3</sup> ): 2837 Original Application No: - Original Start Date: 24/03/1966 Expiry Date: - Issue No: 101 Version Start Date: 25/07/2000 Version End Date: -
-	1617m NE	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 <sup>3</sup> ): 633962 Max Daily Volume (m <sup>3</sup> ): 2837 Original Application No: - Original Start Date: 24/03/1966 Expiry Date: - Issue No: 101 Version Start Date: 25/07/2000 Version End Date: -
-	1818m W	Status: Historical Licence No: NW0690006001 Details: Non-Evaporative Cooling Direct Source: Ground Water - North West Region Point: BOREHOLES AT ORIGIN DEVELOPMENTS, MANCHESTER Data Type: Point Name: West Contracting Easting: 384378 Northing: 397733	Annual Volume (m <sup>3</sup> ): 139128 Max Daily Volume (m <sup>3</sup> ): 1010 Original Application No: - Original Start Date: 19/01/2009 Expiry Date: 31/03/2015 Issue No: 1 Version Start Date: 19/01/2009 Version End Date: -





ID	Location	Details	
-	1818m W	Status: Historical Licence No: NW/069/0006/001 Details: Non-Evaporative Cooling Direct Source: Ground Water - North West Region Point: BOREHOLES AT ORIGIN DEVELOPMENTS, MANCHESTER Data Type: Point Name: West Contracting Easting: 384378 Northing: 397733	Annual Volume (m <sup>3</sup> ): 139128 Max Daily Volume (m <sup>3</sup> ): 1010 Original Application No: - Original Start Date: 19/01/2009 Expiry Date: 31/03/2015 Issue No: 1 Version Start Date: 19/01/2009 Version End Date: -
-	1825m E	Status: Historical Licence No: 2569006044 Details: Process Water Direct Source: Ground Water - North West Region Point: BOREHOLE AT PRESTON STREET, GORTON, MANCHESTER Data Type: Point Name: CEMEX UK MATERIALS LTD Easting: 388030 Northing: 396880	Annual Volume (m <sup>3</sup> ): 15000 Max Daily Volume (m <sup>3</sup> ): 115 Original Application No: - Original Start Date: 23/10/2003 Expiry Date: 31/03/2014 Issue No: 3 Version Start Date: 15/10/2007 Version End Date: -
-	1825m E	Status: Active Licence No: NW/069/0004/012 Details: Process Water Direct Source: Ground Water - North West Region Point: BOREHOLE AT PRESTON STREET, MANCHESTER Data Type: Point Name: Cemex UK Materials Limited Easting: 388030 Northing: 396880	Annual Volume (m <sup>3</sup> ): 7,500 Max Daily Volume (m <sup>3</sup> ): 72 Original Application No: NPS/WR/030760A Original Start Date: 19/06/2014 Expiry Date: 31/03/2027 Issue No: 2 Version Start Date: 21/12/2018 Version End Date: -
-	1893m NE	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 <sup>3</sup> ): 111,831.60 Max Daily Volume (m <sup>3</sup> ): 654.62 Original Application No: NPS/WR/035267 Original Start Date: 21/05/1985 Expiry Date: - Issue No: 104 Version Start Date: 19/04/2021 Version End Date: -

ID	Location	Details	
-	1896m NE	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 <sup>3</sup> ): 111,831.60 Max Daily Volume (m <sup>3</sup> ): 654.62 Original Application No: NPS/WR/035267 Original Start Date: 21/05/1985 Expiry Date: - Issue No: 104 Version Start Date: 19/04/2021 Version End Date: -
-	1928m SE	Status: Historical Licence No: 2569006042 Details: Spray Irrigation - Direct Direct Source: Ground Water - North West Region Point: PERMO-TRIASSIC SANDSTONE AT BELLE VUE LEISURE CENTRE Data Type: Point Name: CLIVE BACK Easting: 387591 Northing: 395891	Annual Volume (m <sup>3</sup> ): 10000 Max Daily Volume (m <sup>3</sup> ): 276 Original Application No: - Original Start Date: 11/07/2002 Expiry Date: 31/03/2014 Issue No: 4 Version Start Date: 29/02/2012 Version End Date: -
-	1928m SE	Status: Historical Licence No: NW/069/0006/006 Details: Spray Irrigation - Direct Direct Source: Ground Water - North West Region Point: PERMO-TRIASSIC SANDSTONE AT BELLE VUE LEISURE CENTRE Data Type: Point Name: The Chief Operating Officer of the Eastlands Trust Easting: 387591 Northing: 395891	Annual Volume (m <sup>3</sup> ): 8000 Max Daily Volume (m <sup>3</sup> ): 276 Original Application No: - Original Start Date: 16/05/2014 Expiry Date: 31/03/2016 Issue No: 1 Version Start Date: 16/05/2014 Version End Date: -
-	1928m SE	Status: Historical Licence No: 2569006042 Details: Spray Irrigation - Direct Direct Source: Ground Water - North West Region Point: PERMO-TRIASSIC SANDSTONE AT BELLE VUE LEISURE CENTRE Data Type: Point Name: CLIVE BACK Easting: 387590 Northing: 395890	Annual Volume (m <sup>3</sup> ): 15000 Max Daily Volume (m <sup>3</sup> ): 276 Original Application No: - Original Start Date: 11/07/2002 Expiry Date: 31/03/2014 Issue No: 3 Version Start Date: 04/02/2009 Version End Date: -

ID	Location	Details	
-	1930m NE	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 <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 21/05/1985 Expiry Date: - Issue No: 100 Version Start Date: 01/07/1996 Version End Date: -
-	1930m NE	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 <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 21/05/1985 Expiry Date: - Issue No: 100 Version Start Date: 01/07/1996 Version End Date: -
-	1930m NE	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 <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 21/05/1985 Expiry Date: - Issue No: 100 Version Start Date: 01/07/1996 Version End Date: -
-	1930m NE	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 <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - 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	
-	1930m NE	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 <sup>3</sup> ): 372772 Max Daily Volume (m <sup>3</sup> ): 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: -
-	1930m NE	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 <sup>3</sup> ): 372772 Max Daily Volume (m <sup>3</sup> ): 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: -
-	1941m NE	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 <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 21/05/1985 Expiry Date: - Issue No: 100 Version Start Date: 01/07/1996 Version End Date: -
-	1941m NE	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 <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - 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	
-	1941m NE	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 <sup>3</sup> ): 111832 Max Daily Volume (m <sup>3</sup> ): 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: -
-	1959m W	Status: Active Licence No: NW/069/0006/003 Details: Heat Pump Direct Source: Ground Water - North West Region Point: BOREHOLE 1 AT LOWER CHATHAM STREET Data Type: Point Name: Manchester Metropolitan University Easting: 384180 Northing: 397091	Annual Volume (m <sup>3</sup> ): 283,240 Max Daily Volume (m <sup>3</sup> ): 1,532 Original Application No: NPS/WR/015264 Original Start Date: 04/04/2014 Expiry Date: 31/03/2027 Issue No: 2 Version Start Date: 04/04/2014 Version End Date: -
-	1959m W	Status: Active Licence No: NW/069/0006/003 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: BOREHOLE 1 AT LOWER CHATHAM STREET Data Type: Point Name: Manchester Metropolitan University Easting: 384180 Northing: 397091	Annual Volume (m <sup>3</sup> ): 283,240 Max Daily Volume (m <sup>3</sup> ): 1,532 Original Application No: NPS/WR/015264 Original Start Date: 04/04/2014 Expiry Date: 31/03/2027 Issue No: 2 Version Start Date: 04/04/2014 Version End Date: -
-	1989m NE	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 <sup>3</sup> ): 372,772 Max Daily Volume (m <sup>3</sup> ): 3,600.50 Original Application No: NPS/WR/035265 Original Start Date: 21/05/1985 Expiry Date: - Issue No: 104 Version Start Date: 19/04/2021 Version End Date: -

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



## 5.7 Surface water abstractions

### Records within 2000m

4

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 77**

ID	Location	Details	
-	1696m NE	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 <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 01/04/1969 Expiry Date: - Issue No: 100 Version Start Date: 01/04/1969 Version End Date: -
-	1857m NE	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 <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 01/04/1969 Expiry Date: - Issue No: 100 Version Start Date: 01/04/1969 Version End Date: -
-	1857m NE	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 <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - 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	
-	1857m NE	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 <sup>3</sup> ): 3,500,420 Max Daily Volume (m <sup>3</sup> ): 3,500,420 Original Application No: 1470 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

<b>Records within 2000m</b>	<b>0</b>
-----------------------------	----------

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

<b>Records within 500m</b>	<b>0</b>
----------------------------	----------

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.*

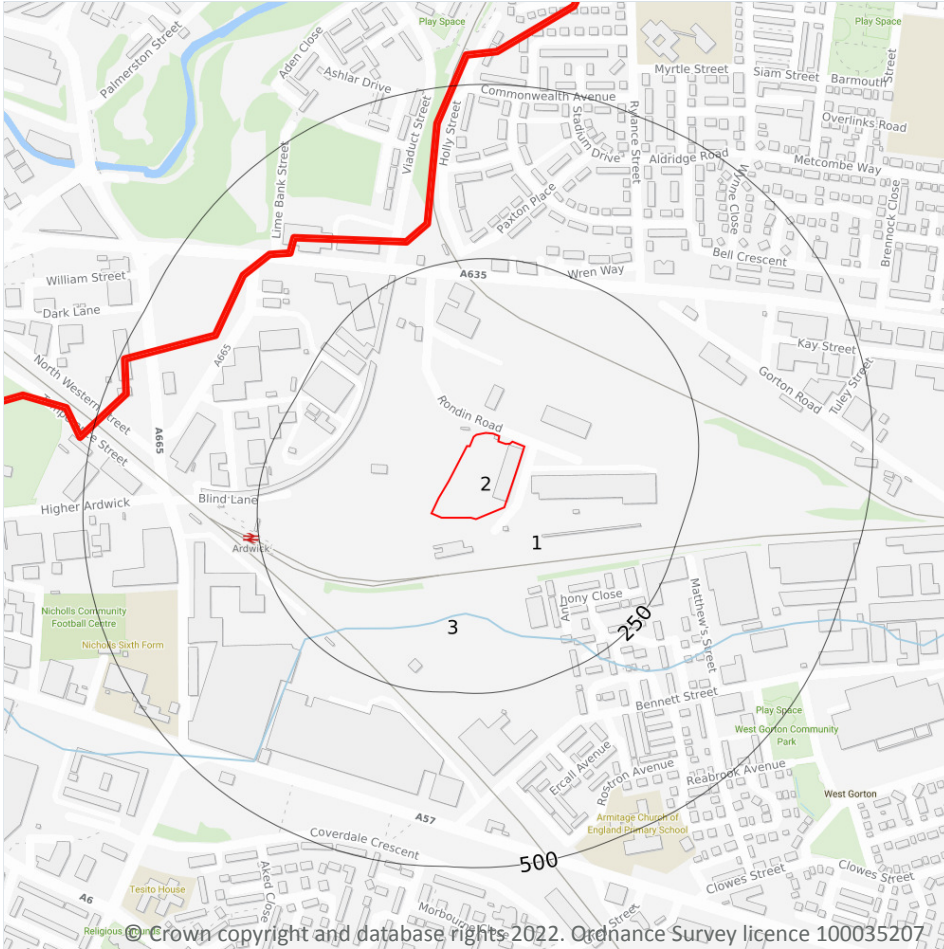
## 5.10 Source Protection Zones (confined aquifer)

<b>Records within 500m</b>	<b>0</b>
----------------------------	----------

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

1

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

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

ID	Location	Type of water feature	Ground level	Permanence	Name
3	136m S	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	Corn Brook

*This data is sourced from the Ordnance Survey.*





## 6.2 Surface water features

Records within 250m

0

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.

*This data is sourced from the Ordnance Survey.*

## 6.3 WFD Surface water body catchments

Records on site

1

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 88**

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
1	On site	River	Irwell / Manchester Ship Canal (Irk to confluence with Upper Mers	GB112069061452	Croal Irwell	Irwell

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

## 6.4 WFD Surface water bodies

Records identified

1

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 88**

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
-	2767m NW	River	Irwell / Manchester Ship Canal (Irk to confluence with Upper Mers	<a href="#">GB112069061452</a>	Moderate	Fail	Moderate	2019



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

## 6.5 WFD Groundwater bodies

<b>Records on site</b>	<b>1</b>
------------------------	----------

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 88**

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
2	On site	Manchester and East Cheshire Permo-Triassic Sandstone Aquifers	<a href="#"><u>GB41201G101100</u></a>	Poor	Poor	Poor	2019

*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 the sea

Records within 50m

0

The chance of flooding from rivers and/or the sea in any given year, based on cells of 50m within the Risk of Flooding from Rivers and Sea (RoFRaS)/Flood Risk Assessment Wales (FRAW) models. Each cell is allocated one of four flood risk categories, taking into account flood defences and their condition. The risk categories for RoFRaS for rivers and the sea and FRAW for rivers are; 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). The risk categories for FRAW for the sea are; Very low (less than 1 in 1000 chance in any given year), Low (less than 1 in 200 but greater than or equal to 1 in 1000 chance), Medium (less than 1 in 30 but greater than or equal to 1 in 200 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

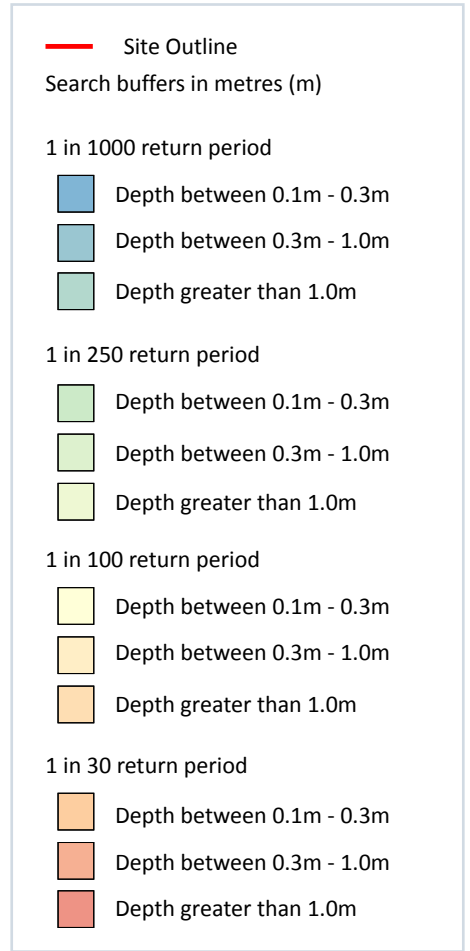
0

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**

**1 in 30 year, 0.1m - 0.3m**

**Highest risk within 50m**

**1 in 30 year, 0.3m - 1.0m**

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.

Features are displayed on the Surface water flooding map on **page 94**

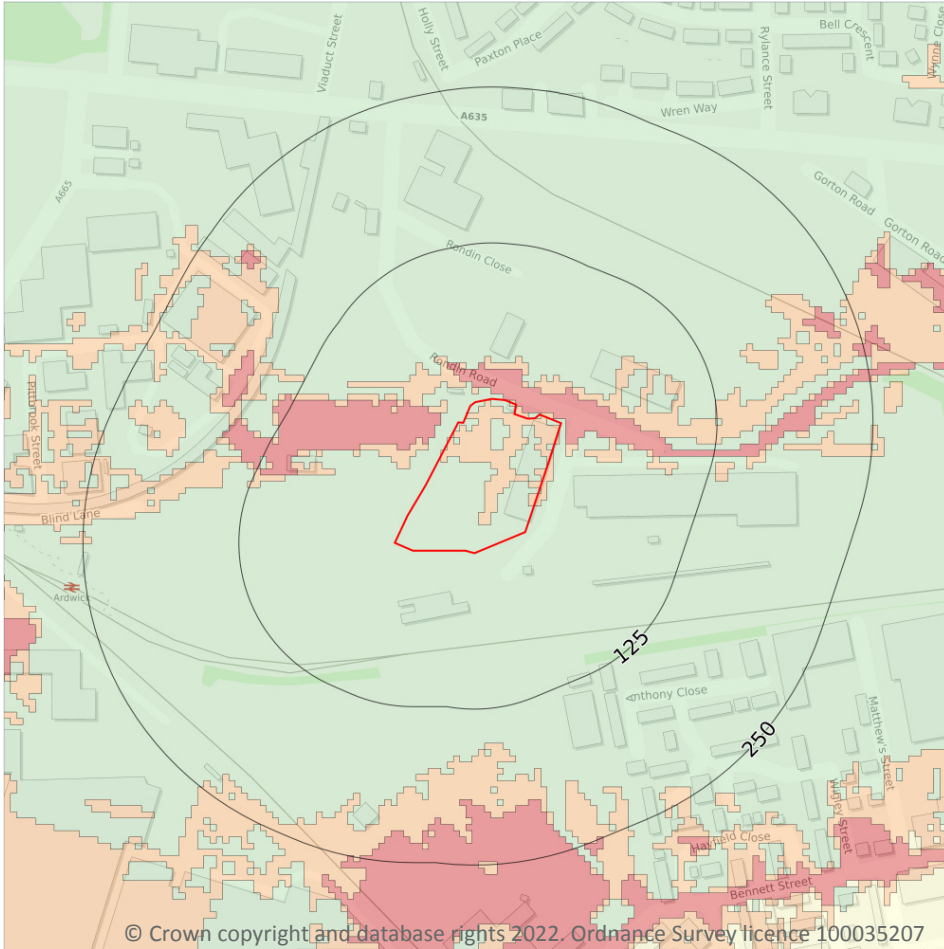
The data shown on the map and in the table above shows the highest likelihood of flood events happening at the site. Lower likelihood events may have greater flood depths and hence a greater potential impact on a site.

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	Between 0.3m and 1.0m
1 in 250 year	Between 0.3m and 1.0m
1 in 100 year	Between 0.3m and 1.0m
1 in 30 year	Between 0.1m and 0.3m

*This data is sourced from Ambiental Risk Analytics.*

## 9 Groundwater flooding



### 9.1 Groundwater flooding

Highest risk on site

High

Highest risk within 50m

High

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 96**

*This data is sourced from Ambiental Risk Analytics.*



## 10 Environmental designations

### 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

0

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.

*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

0

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

*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

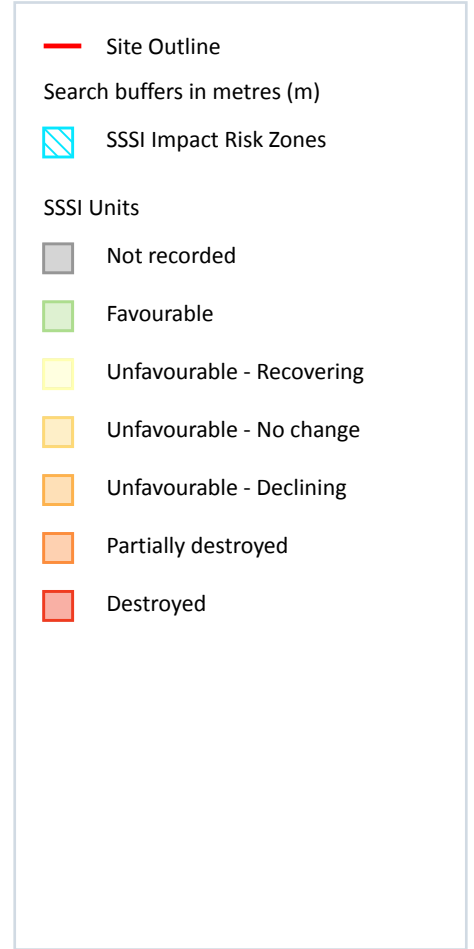
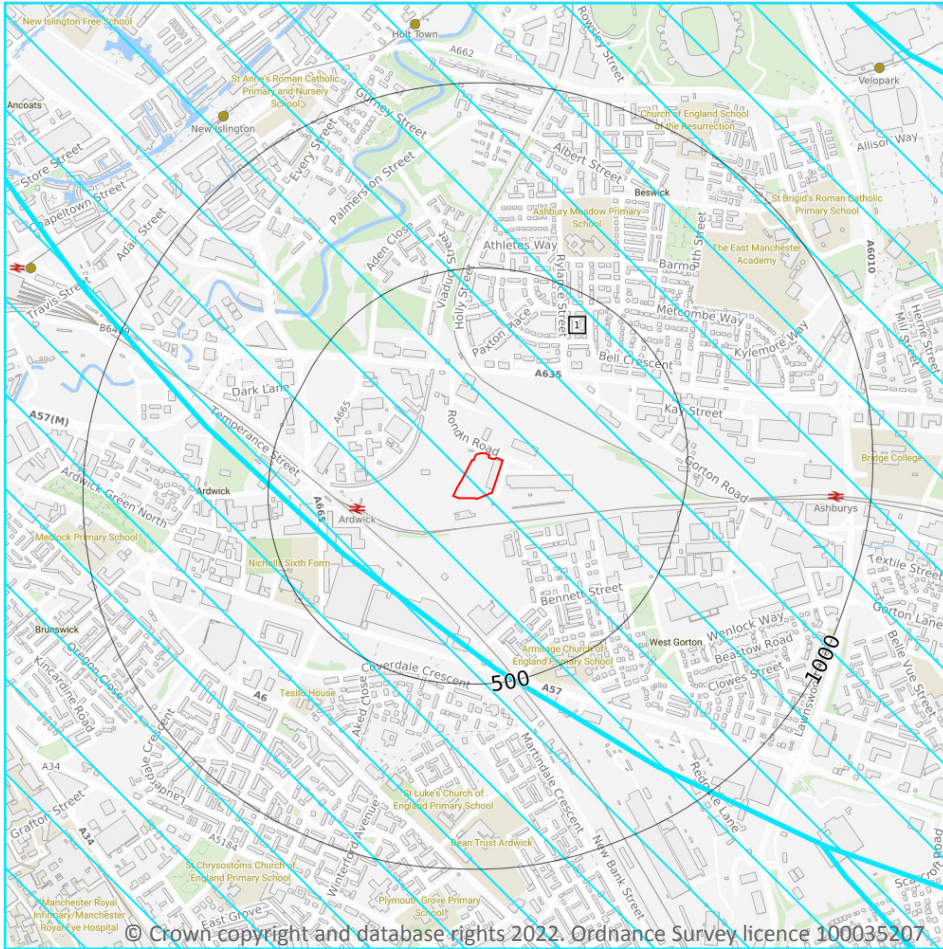
Areas at risk from agricultural nitrate pollution designated under the EC Nitrate Directive (91/676/EEC). These are areas of land that drain into waters polluted by nitrates. Farmers operating within these areas have to follow mandatory rules to tackle nitrate loss from agriculture.

Location	Name	Type	NVZ ID	Status
1828m NW	River Irk (Moston Brook to River Irwell) NVZ	Surface Water	638	Existing

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



## SSSI Impact Zones and Units



### 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 101**

ID	Location	Type of developments requiring consultation
1	On site	<p><b>Infrastructure - Airports, helipads and other aviation proposals.</b></p> <p><b>Air pollution - Any industrial/agricultural development that could cause air pollution (incl: industrial processes, livestock &amp; poultry units with floorspace &gt; 500m<sup>2</sup>, slurry lagoons &amp; digestate stores &gt; 750m<sup>2</sup>, manure stores &gt; 3500t).</b></p> <p><b>Combustion - General combustion processes &gt;50mw energy input. incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion.</b></p>

*This data is sourced from Natural England.*

## 10.18 SSSI Units

<b>Records within 2000m</b>	<b>0</b>
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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

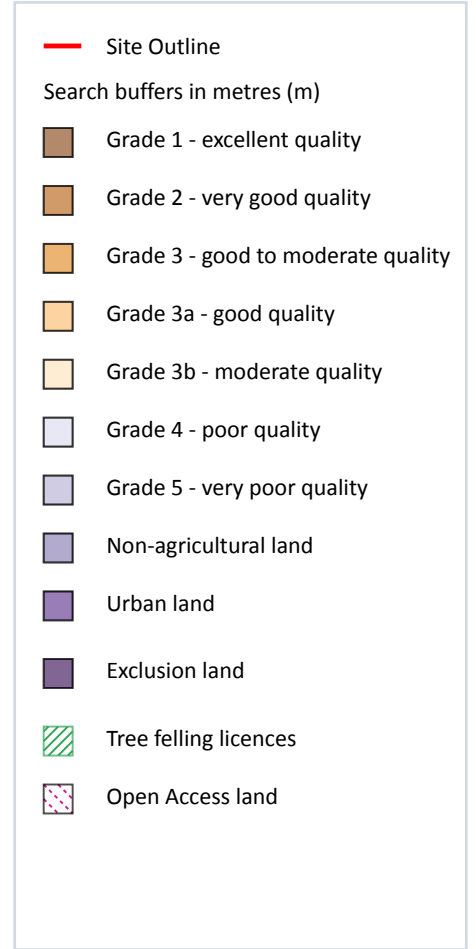
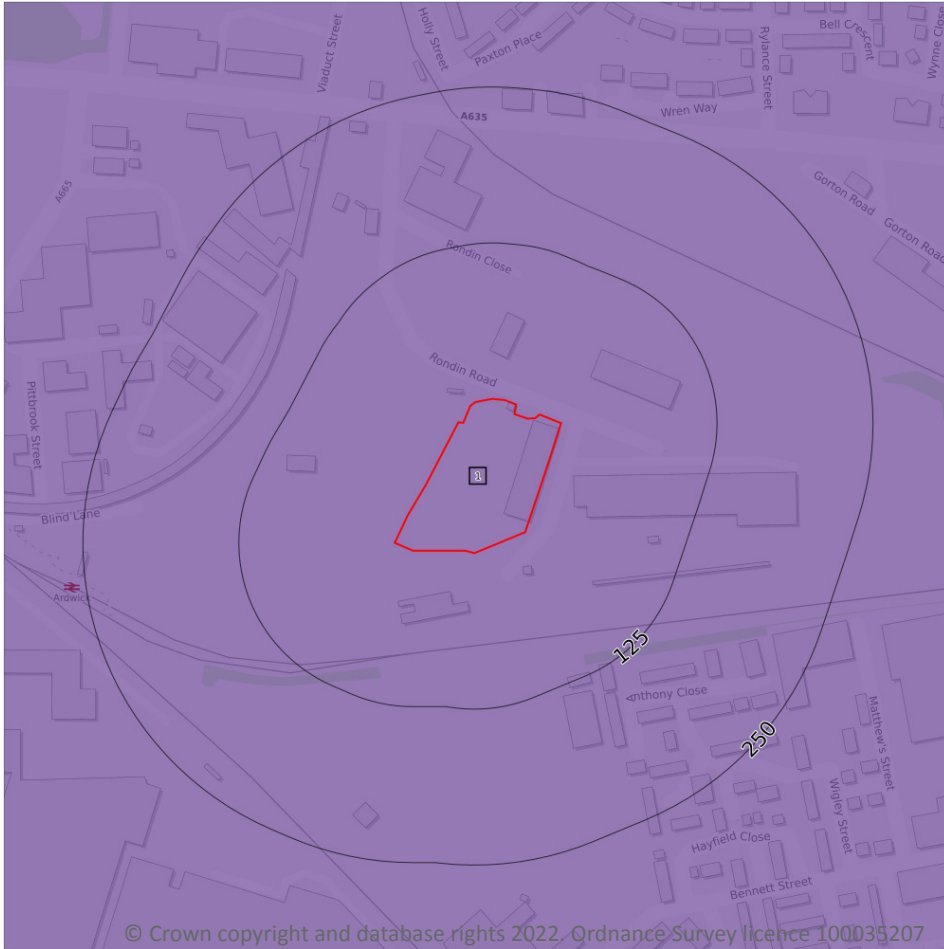
0

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



### 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 105**

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

0

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.

*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

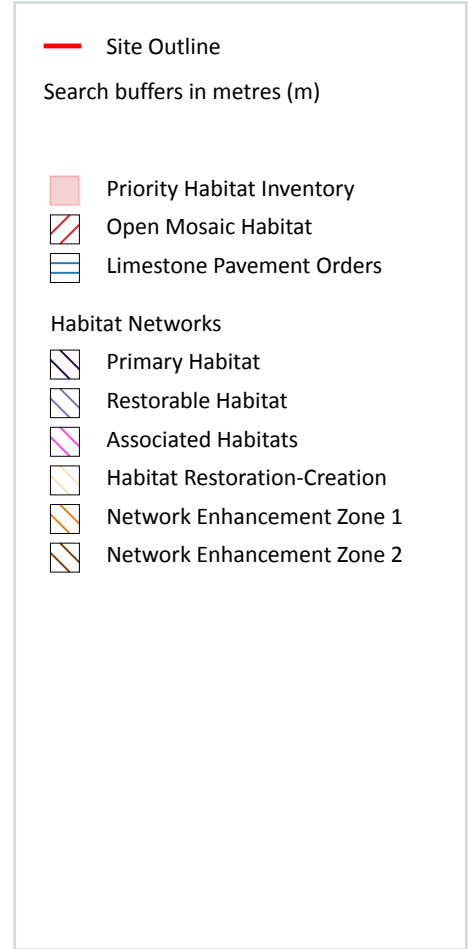
0

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



### 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

4

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 107**

ID	Location	Site reference	Identification confidence	Primary source	Secondary source	Tertiary source
1	2m SW	NLUD Ref: 421500030; BRITPITS ref: 29587	Low	National Land Use Database - Previously Developed Land	British Geological Survey BRITPITS database	UK Perspectives Aerial Photography
2	25m N	NLUD Ref: 421500030; BRITPITS ref: 29587	Low	National Land Use Database - Previously Developed Land	British Geological Survey BRITPITS database	UK Perspectives Aerial Photography
3	85m E	BRITPITS ref: 29588	Low	British Geological Survey BRITPITS database	UK Perspectives Aerial Photography	-
4	159m E	NLUD Ref: 421501032	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



— Site Outline  
 Search buffers in metres (m)

- Full coverage
- Partial coverage
- No coverage

### 14.1 10k Availability

Records within 500m

1

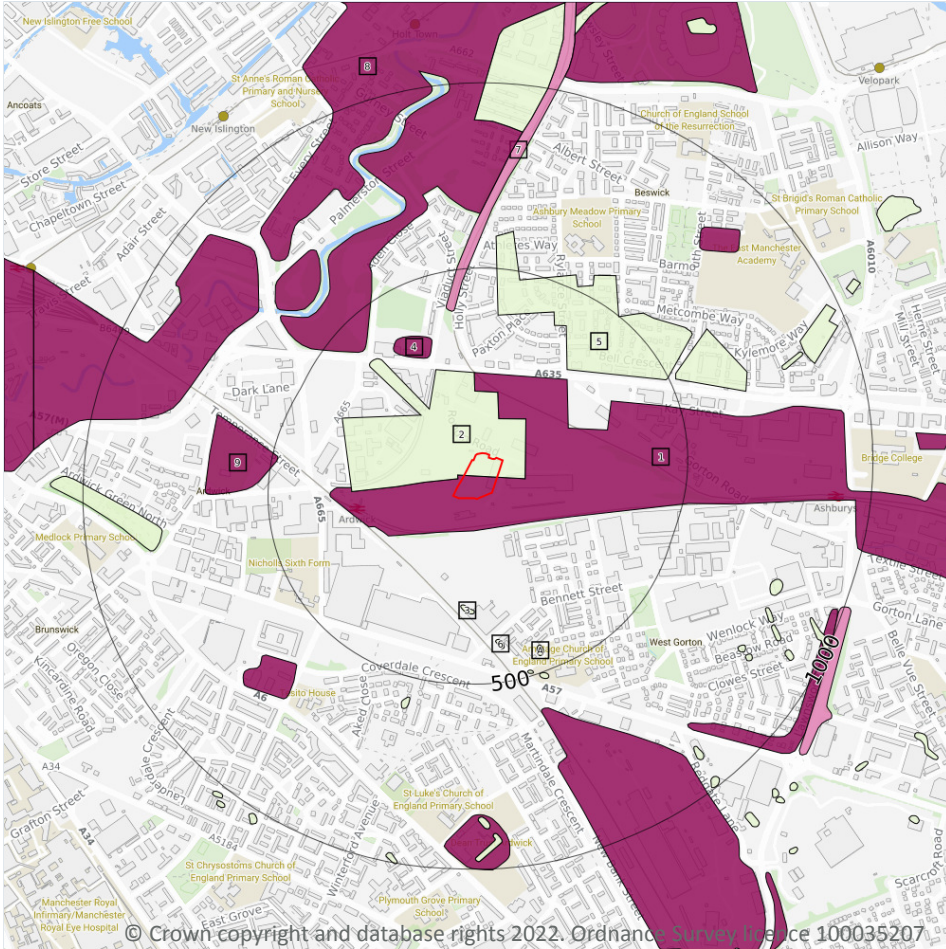
An indication on the coverage of 1:10,000 scale geology data for the site, the most detailed dataset provided by the British Geological Survey. Either 'Full', 'Partial' or 'No coverage' for each geological theme.

Features are displayed on the Geology 1:10,000 scale - Availability map on **page 109**

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

11

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 110**

ID	Location	LEX Code	Description	Rock description
1	On site	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
2	On site	WMGR-ARTDP	Infilled Ground	Artificial Deposit
3	288m S	WMGR-ARTDP	Infilled Ground	Artificial Deposit
4	293m NW	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit

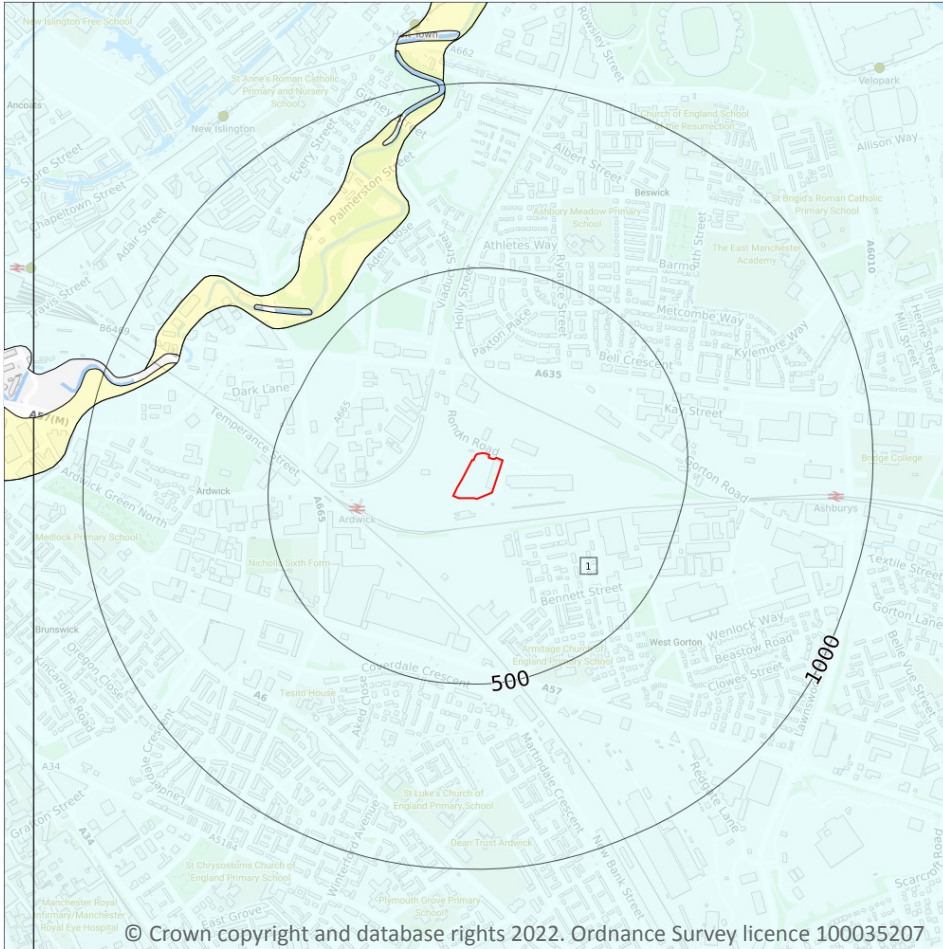


ID	Location	LEX Code	Description	Rock description
5	301m NE	WMGR-ARTDP	Infilled Ground	Artificial Deposit
6	384m S	WMGR-ARTDP	Infilled Ground	Artificial Deposit
7	391m N	WGR-VOID	Worked Ground (Undivided)	Void
8	414m NW	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
A	428m S	WMGR-ARTDP	Infilled Ground	Artificial Deposit
A	484m S	WMGR-ARTDP	Infilled Ground	Artificial Deposit
9	485m W	MGR-ARTDP	Made Ground (Undivided)	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

1

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 112**

ID	Location	LEX Code	Description	Rock description
1	On site	TILLD-DMTN	Till, Devensian - Diamicton	Diamicton

*This data is sourced from the British Geological Survey.*





## 14.4 Landslip (10k)

Records within 500m

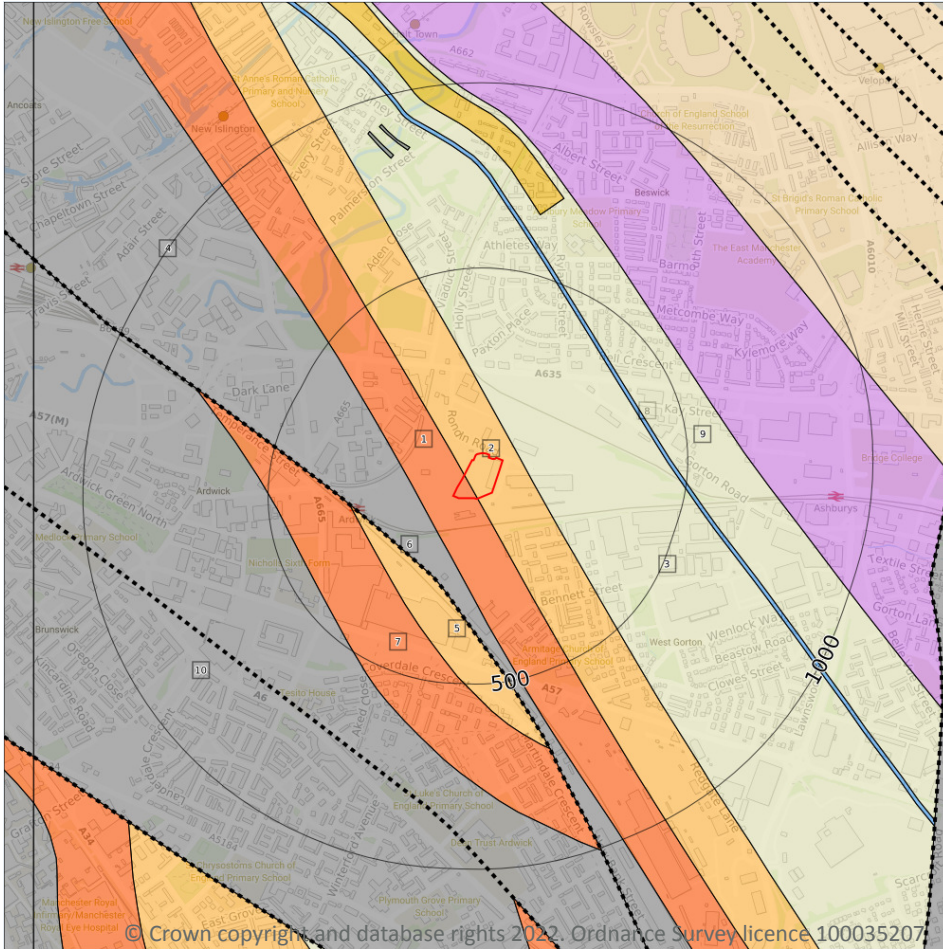
0

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

9

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 114**

ID	Location	LEX Code	Description	Rock age
1	On site	MM-MDST	Manchester Marls Formation - Mudstone	Late Permian Epoch [Obsolete name]
2	On site	CS-SDST	Collyhurst Sandstone Formation - Sandstone	Cisuralian Epoch
3	44m NE	HA-MDSS	Halesowen Formation - Mudstone, Siltstone And Sandstone	Westphalian D Sub-age



ID	Location	LEX Code	Description	Rock age
4	84m SW	CPB-SDST	Chester Pebble Beds Formation - Sandstone	Early Triassic Epoch
5	199m SW	CS-SDST	Collyhurst Sandstone Formation - Sandstone	Cisuralian Epoch
7	258m SW	MM-MDST	Manchester Marls Formation - Mudstone	Late Permian Epoch [Obsolete name]
8	376m NE	GML-LMST	Great Mine Limestone - Limestone	Westphalian D Sub-age
9	386m NE	HA-MDSS	Halesowen Formation - Mudstone, Siltstone And Sandstone	Westphalian D Sub-age
10	439m SW	CPB-SDST	Chester Pebble Beds Formation - Sandstone	Early Triassic Epoch

*This data is sourced from the British Geological Survey.*

## 14.6 Bedrock faults and other linear features (10k)

Records within 500m

1

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 114**

ID	Location	Category	Description
6	199m SW	FAULT	Normal fault, inferred; crossmarks on downthrow side

*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

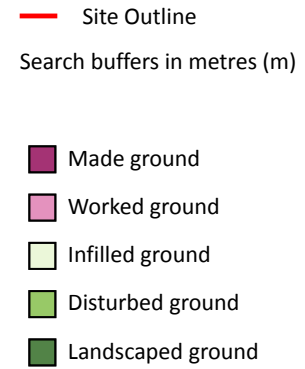
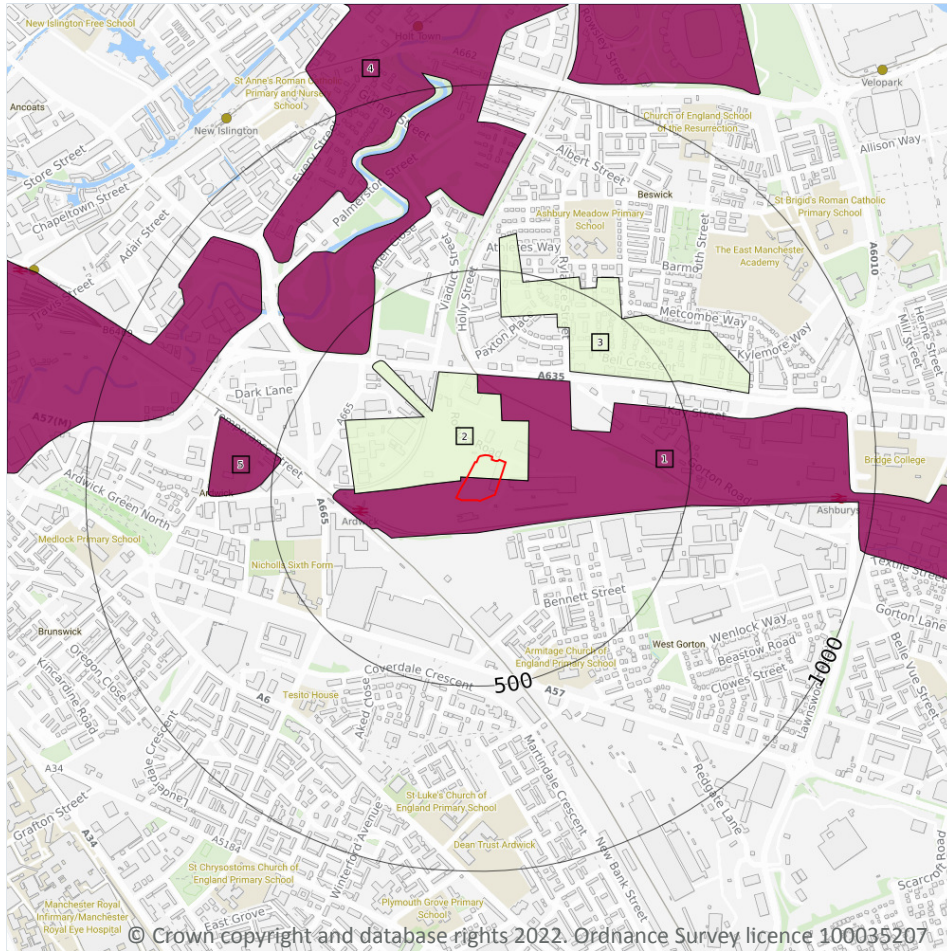
An indication on the coverage of 1:50,000 scale geology data for the site. Either 'Full' or 'No coverage' for each geological theme.

Features are displayed on the Geology 1:50,000 scale - Availability map on **page 116**

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



### 15.2 Artificial and made ground (50k)

Records within 500m

5

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 117**

ID	Location	LEX Code	Description	Rock description
1	On site	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT
2	On site	WMGR-ARTDP	INFILLED GROUND	ARTIFICIAL DEPOSIT
3	301m NE	WMGR-ARTDP	INFILLED GROUND	ARTIFICIAL DEPOSIT
4	414m NW	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT



ID	Location	LEX Code	Description	Rock description
5	484m W	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT

*This data is sourced from the British Geological Survey.*

### 15.3 Artificial ground permeability (50k)

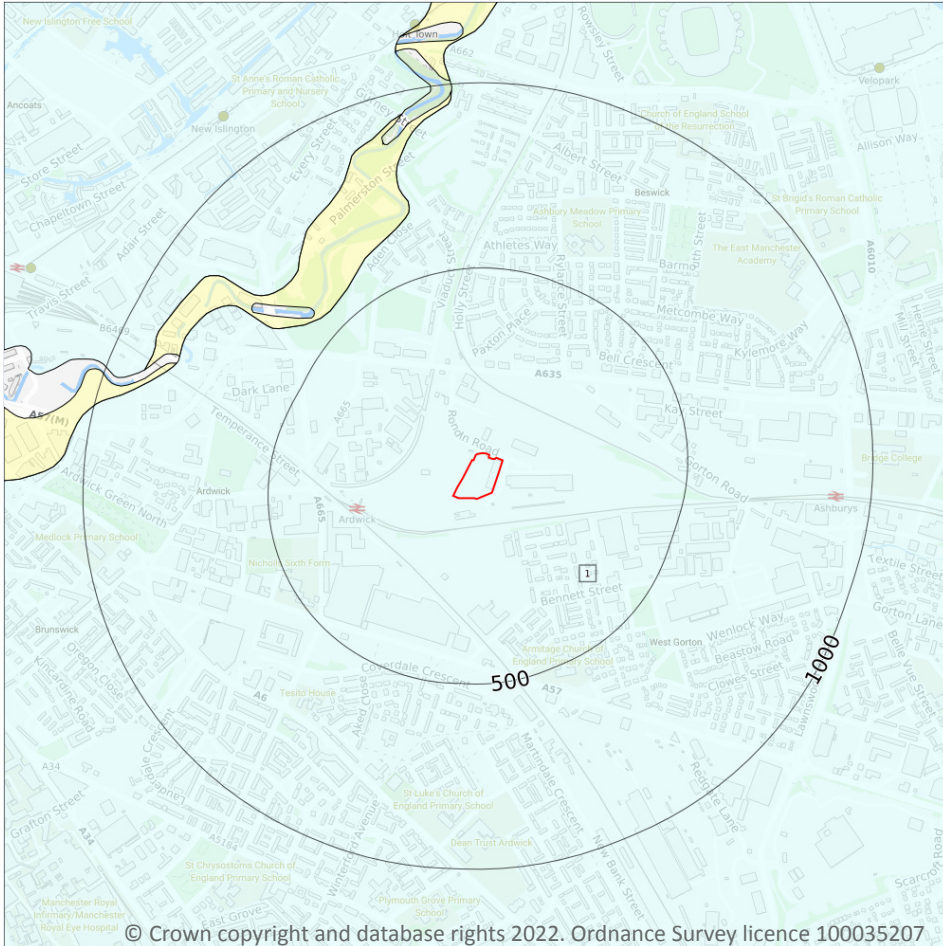
<b>Records within 50m</b>	<b>2</b>
---------------------------	----------


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).

Location	Flow type	Maximum permeability	Minimum permeability
<b>On site</b>	<b>Mixed</b>	<b>Very High</b>	<b>Low</b>
<b>On site</b>	<b>Mixed</b>	<b>Very High</b>	<b>Low</b>

*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

1

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 119**

ID	Location	LEX Code	Description	Rock description
1	On site	TILLD-DMTN	TILL, DEVENSIAN	DIAMICTON

*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

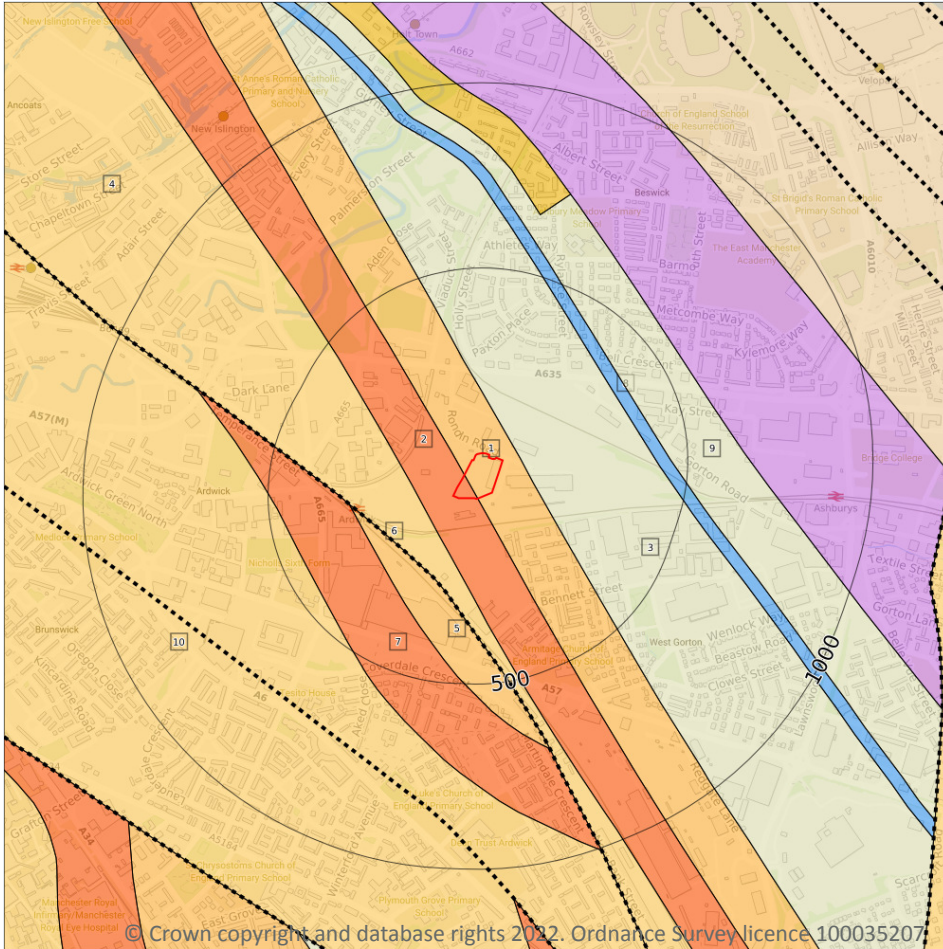
0

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

9

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 121**

ID	Location	LEX Code	Description	Rock age
1	On site	CS-SDST	COLLYHURST SANDSTONE FORMATION - SANDSTONE	-
2	On site	MM-MDST	MANCHESTER MARLS FORMATION - MUDSTONE	-
3	44m NE	HA-MDSS	HALESOWEN FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN



ID	Location	LEX Code	Description	Rock age
4	84m SW	CHES-SDST	CHESTER FORMATION - SANDSTONE	OLENEKIAN
5	199m SW	CS-SDST	COLLYHURST SANDSTONE FORMATION - SANDSTONE	-
7	258m SW	MM-MDST	MANCHESTER MARLS FORMATION - MUDSTONE	-
8	352m NE	GML-LMST	GREAT MINE LIMESTONE - LIMESTONE	WESTPHALIAN
9	386m NE	HA-MDSS	HALESOWEN FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
10	439m SW	CHES-SDST	CHESTER FORMATION - SANDSTONE	OLENEKIAN

This data is sourced from the British Geological Survey.

## 15.9 Bedrock permeability (50k)

Records within 50m

3

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	Low	Low
On site	Intergranular	High	High
44m NE	Fracture	Moderate	Low

This data is sourced from the British Geological Survey.

## 15.10 Bedrock faults and other linear features (50k)

Records within 500m

1

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.

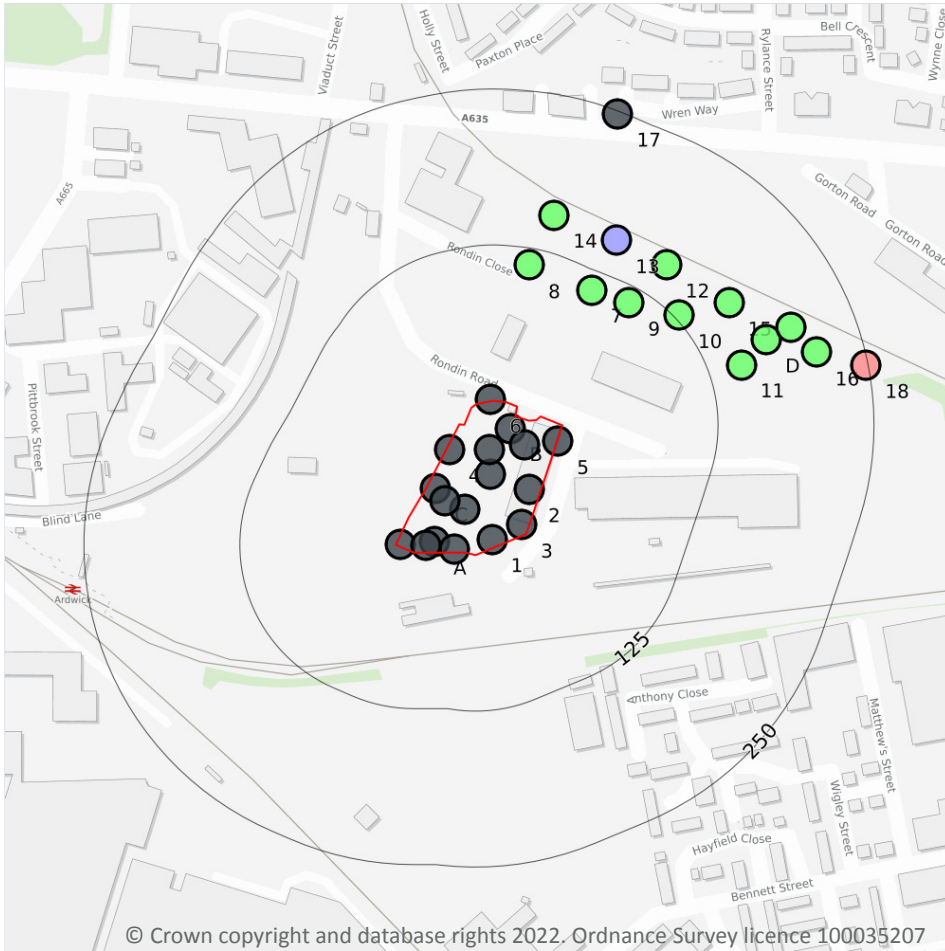
Features are displayed on the Geology 1:50,000 scale - Bedrock map on **page 121**

ID	Location	Category	Description
6	199m SW	FAULT	Fault, inferred

This data is sourced from the British Geological Survey.



## 16 Boreholes



### 16.1 BGS Boreholes

Records within 250m

31

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 123**

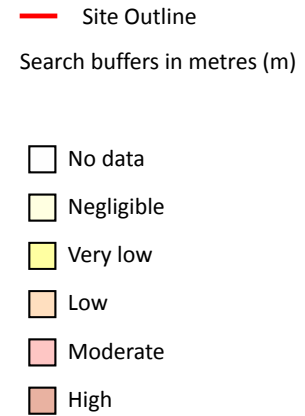
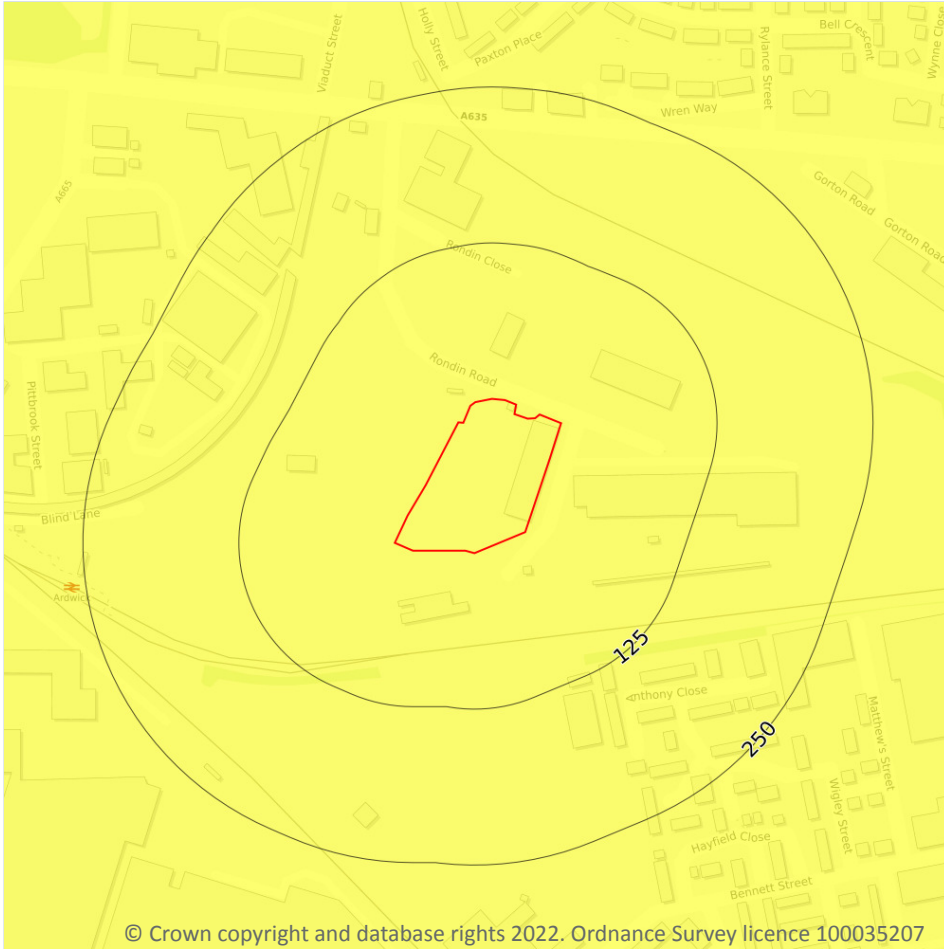
ID	Location	Grid reference	Name	Length	Confidential	Web link
1	On site	386210 397260	RONDIN ROAD ARDWICK MANCHESTER TP7	-	Y	N/A
2	On site	386240 397300	RONDIN ROAD ARDWICK MANCHESTER TT1	-	Y	N/A
3	On site	386234 397272	RONDIN ROAD ARDWICK MANCHESTER TP5	-	Y	N/A

ID	Location	Grid reference	Name	Length	Confidential	Web link
4	On site	386176 397332	RONDIN ROAD ARDWICK MANCHESTER TP4	-	Y	N/A
A	On site	386164 397258	RONDIN ROAD ARDWICK MANCHESTER TP10	-	Y	N/A
A	On site	386137 397256	RONDIN ROAD ARDWICK MANCHESTER TP9	-	Y	N/A
A	On site	386157 397255	RONDIN ROAD ARDWICK MANCHESTER 5	-	Y	N/A
A	On site	386180 397252	RONDIN ROAD ARDWICK MANCHESTER TP8	-	Y	N/A
B	On site	386225 397349	RONDIN ROAD ARDWICK MANCHESTER 2	-	Y	N/A
B	On site	386209 397312	RONDIN ROAD ARDWICK MANCHESTER 3	-	Y	N/A
B	On site	386208 397332	RONDIN ROAD ARDWICK MANCHESTER TP3	-	Y	N/A
B	On site	386236 397336	RONDIN ROAD ARDWICK MANCHESTER TP2	-	Y	N/A
C	On site	386165 397301	RONDIN ROAD ARDWICK MANCHESTER TP6	-	Y	N/A
C	On site	386188 397284	RONDIN ROAD ARDWICK MANCHESTER TP11	-	Y	N/A
C	On site	386172 397291	RONDIN ROAD ARDWICK MANCHESTER 4	-	Y	N/A
5	1m NE	386263 397339	RONDIN ROAD ARDWICK MANCHESTER 1	-	Y	N/A
6	1m N	386209 397372	RONDIN ROAD ARDWICK MANCHESTER TP1	-	Y	N/A
7	109m NE	386290 397460	MANCHESTER(CENTRAL)SKILL CENTRE 7	11.7	N	<a href="#">937798</a>
8	112m N	386240 397480	MANCHESTER(CENTRAL)SKILL CENTRE 6	12.3	N	<a href="#">937797</a>
9	112m NE	386320 397450	MANCHESTER(CENTRAL)SKILL CENTRE 8	10.9	N	<a href="#">937799</a>
10	129m NE	386360 397440	MANCHESTER(CENTRAL)SKILL CENTRE 9	11.45	N	<a href="#">937800</a>
11	152m NE	386410 397400	MANCHESTER(CENTRAL)SKILL CENTRE 10	11.1	N	<a href="#">937801</a>
12	153m NE	386350 397480	MANCHESTER(CENTRAL)SKILL CENTRE 3	10.95	N	<a href="#">937794</a>
13	154m NE	386310 397500	MANCHESTER(CENTRAL)SKILL CENTRE 4	9.55	N	<a href="#">937795</a>
14	155m N	386260 397520	MANCHESTER(CENTRAL)SKILL CENTRE 5	11.5	N	<a href="#">937796</a>
15	166m NE	386400 397450	MANCHESTER(CENTRAL)SKILL CENTRE 2	10.75	N	<a href="#">937793</a>
D	177m NE	386430 397420	MANCHESTER(CENTRAL)SKILL CENTRE R3	21.45	N	<a href="#">937804</a>
D	200m NE	386450 397430	MANCHESTER(CENTRAL)SKILL CENTRE 1	10.4	N	<a href="#">937792</a>
16	212m E	386470 397410	MANCHESTER(CENTRAL)SKILL CENTRE R2	21.4	N	<a href="#">937803</a>
17	248m N	386311 397601	BESWICK HOUSING REGENERATION C1/1	-	Y	N/A
18	249m E	386510 397400	MANCHESTER(CENTRAL)SKILL CENTRE R1	40.4	N	<a href="#">937802</a>

*This data is sourced from the British Geological Survey.*



## 17 Natural ground subsidence - Shrink swell clays



### 17.1 Shrink swell clays

Records within 50m

1

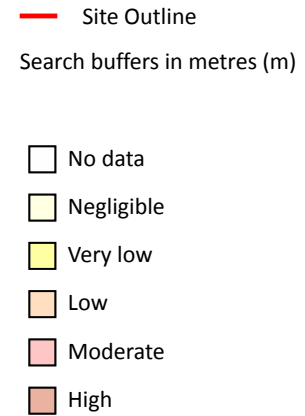
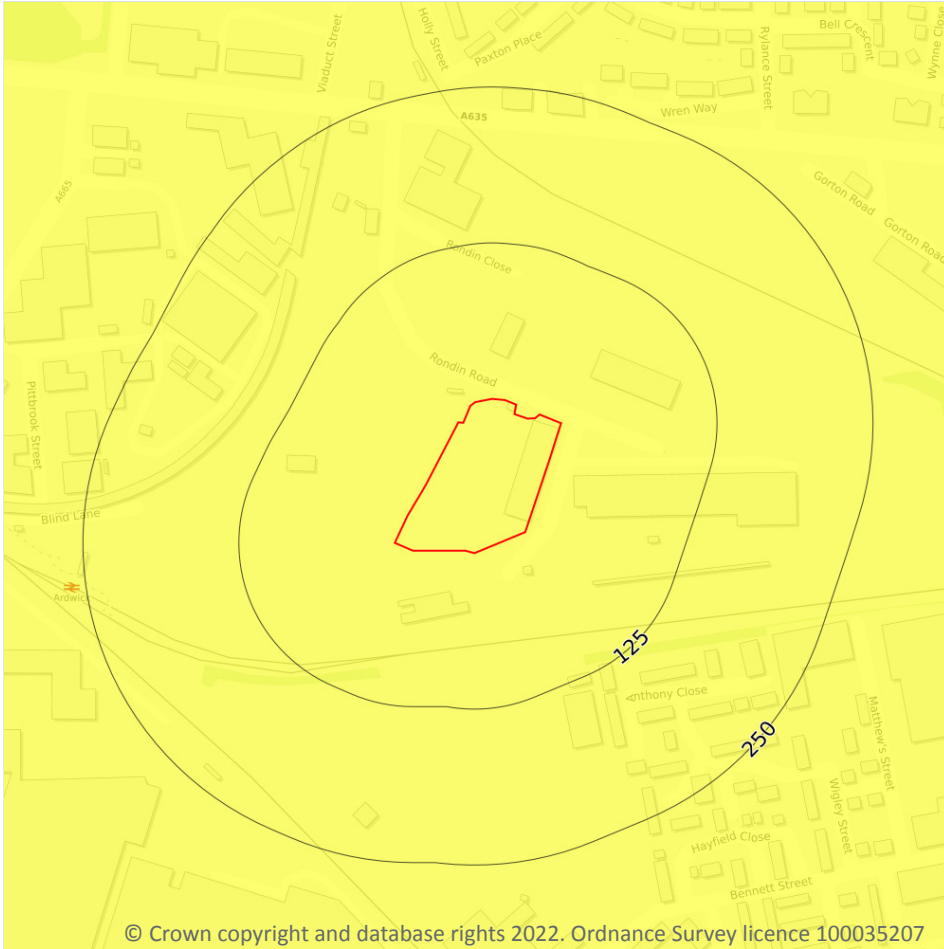
The potential hazard presented by soils that absorb water when wet (making them swell), and lose water as they dry (making them shrink). This shrink-swell behaviour is controlled by the type and amount of clay in the soil, and by seasonal changes in the soil moisture content (related to rainfall and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

Features are displayed on the Natural ground subsidence - Shrink swell clays map on **page 125**

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



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### 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.

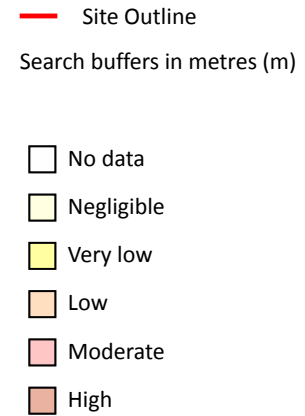
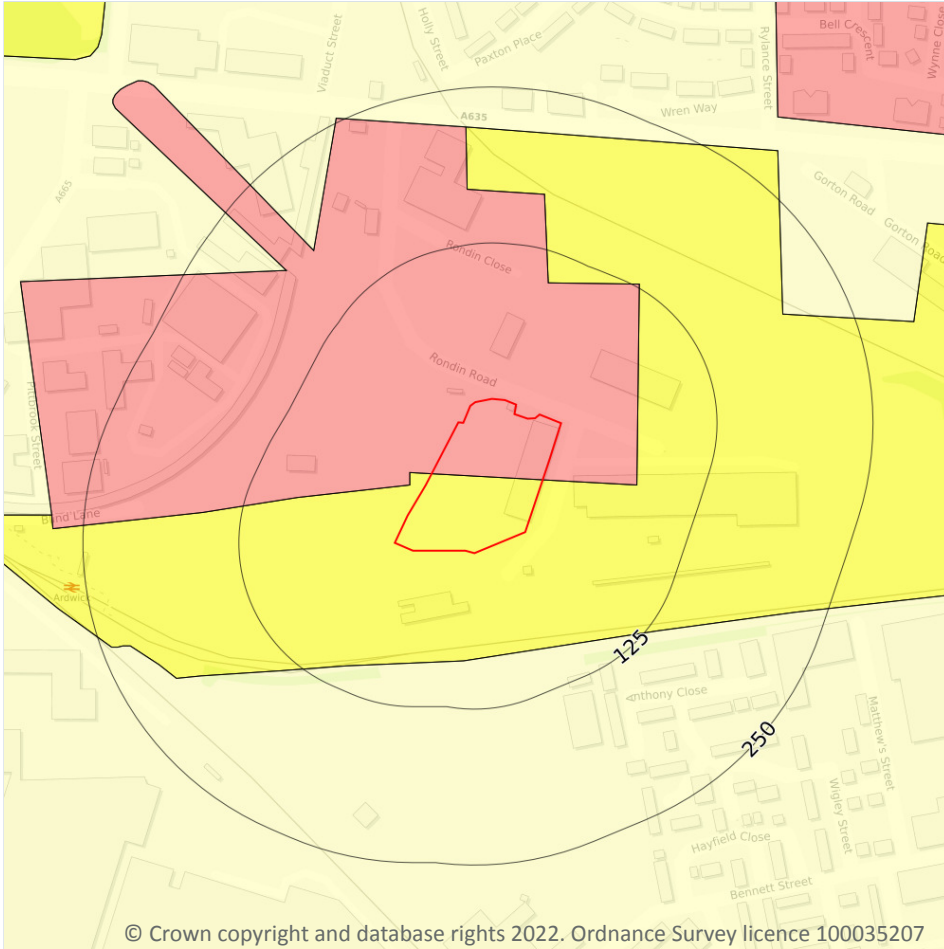
Features are displayed on the Natural ground subsidence - Running sands map on **page 126**

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



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### 17.3 Compressible deposits

Records within 50m

2

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 127**

Location	Hazard rating	Details
On site	Very low	Compressibility and uneven settlement problems are not likely to be significant on the site for most land uses.

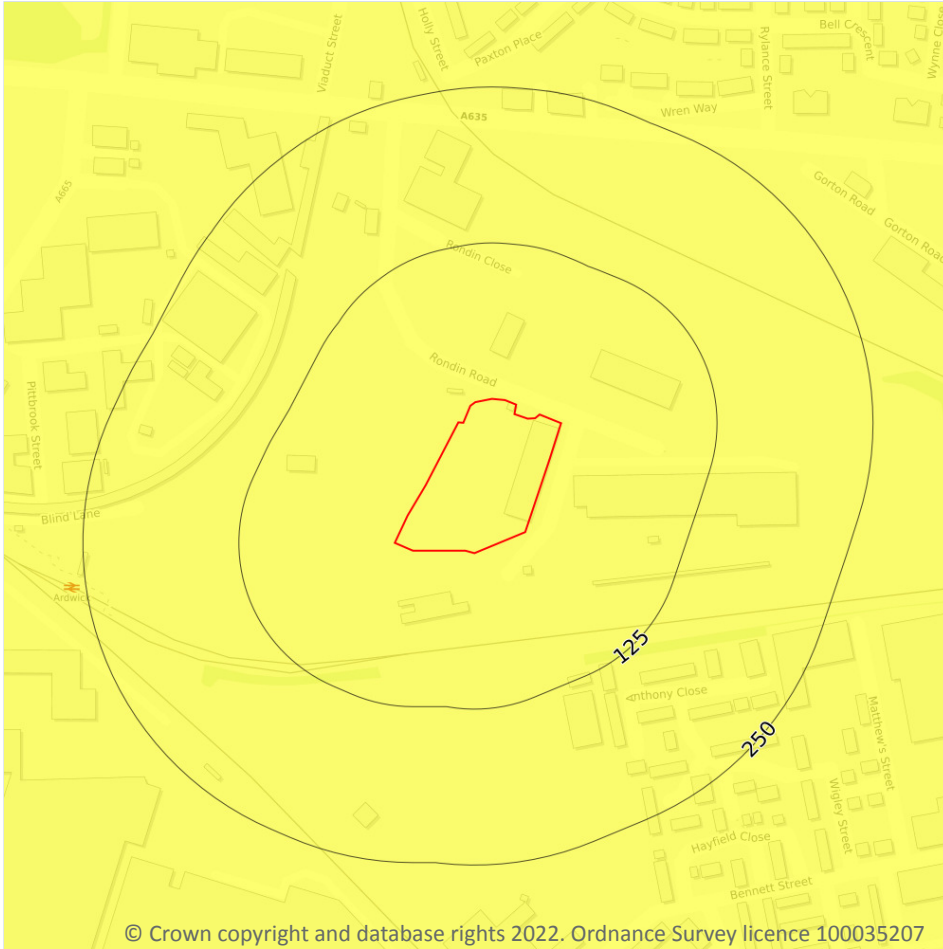
Location	Hazard rating	Details
On site	Moderate	Compressibility and uneven settlement hazards are probably present. Land use should consider specifically the compressibility and variability of the site.

*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

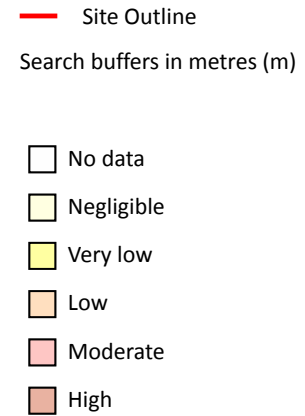
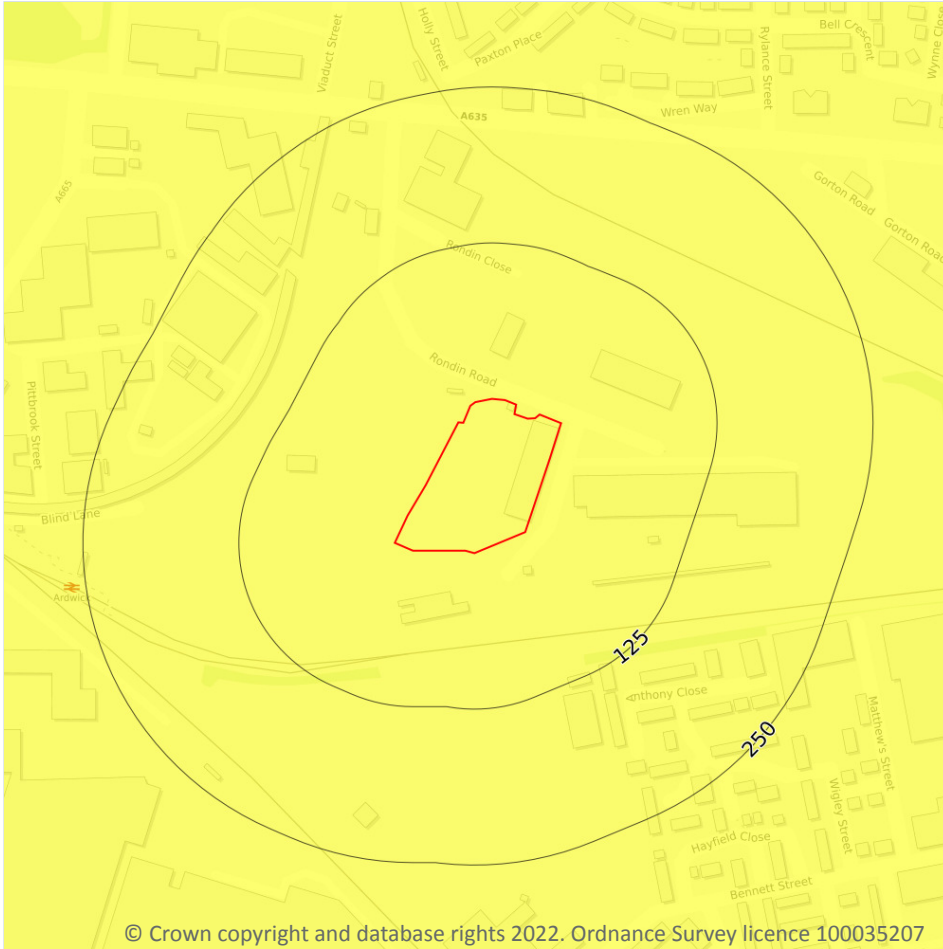
The potential hazard presented by natural deposits that could collapse when a load (such as a building) is placed on them or they become saturated with water.

Features are displayed on the Natural ground subsidence - Collapsible deposits map on **page 129**

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



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### 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.

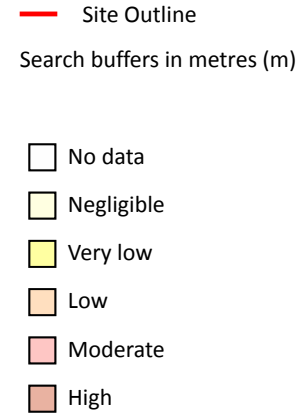
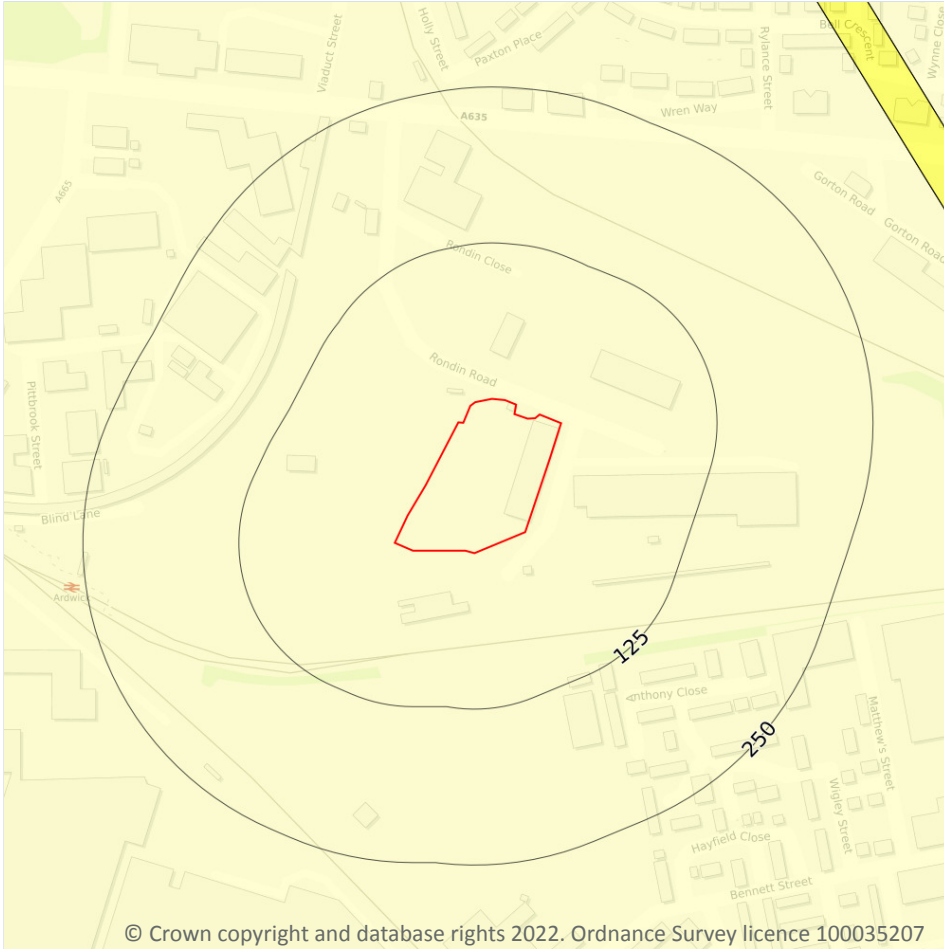
Features are displayed on the Natural ground subsidence - Landslides map on **page 130**

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.

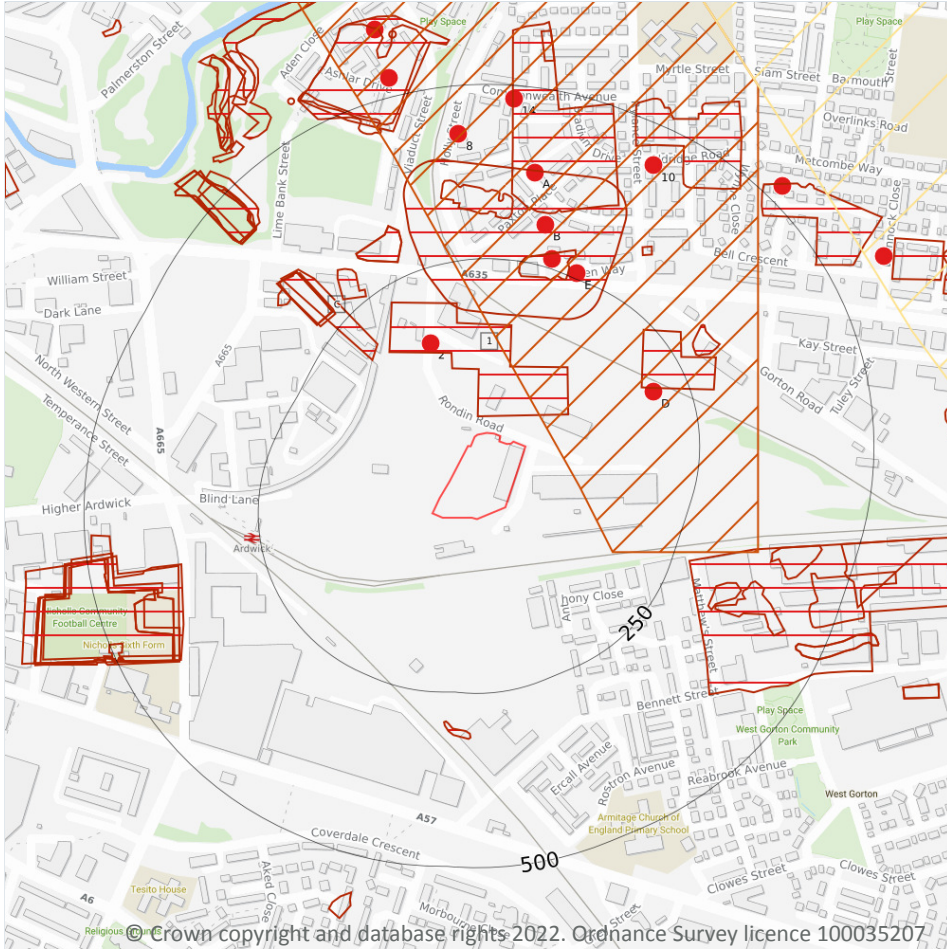
Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on **page 131**

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



### 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

**9**

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 133**

ID	Location	Details	Description
2	147m N	Name: Ardwick Brick Field Address: Ardwick, 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
D	199m NE	Name: Ardwick Brick Field Address: Ardwick, 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
E	258m NE	Name: Ardwick Lime Works Pit Address: Ardwick, MANCHESTER, Lancashire Commodity: Limestone Status: Ceased	Type: Working is wholly underground, access by shaft, adit or drift. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun Ee - Scots) 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
E	263m N	Name: Ashton Road Brick Field Address: Ardwick, 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
B	308m N	Name: Ardwick Lime Works Pits Address: Ardwick, MANCHESTER, Lancashire Commodity: Limestone 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



ID	Location	Details	Description
A	379m N	Name: Beswick Brick Field Address: Beswick, 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
8	430m N	Name: Ardwick Lime Works Pits Address: Ardwick, MANCHESTER, Lancashire Commodity: Limestone 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
10	443m NE	Name: Beswick Brick Field Address: Beswick, 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
14	480m N	Name: Beswick Brick Field Address: Beswick, 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**

**5**

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 133**

ID	Location	Land Use	Year of mapping	Mapping scale
1	24m N	Brick Field	1851	1:10560
B	172m N	Brick Field	1890	1:10560
C	184m NW	Cuttings	1956	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
D	187m NE	Brick Kilns	1851	1:10560
E	229m N	Unspecified Pit	1890	1:10560

*This is data is sourced from Ordnance Survey/Groundsure.*

## 18.4 Underground workings

**Records within 1000m**

**0**

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

*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**

**2**

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 133**

ID	Location	Name	Commodity	Class	Likelihood
A	40m NE	Ardwick	Limestone - Ardwick	D	Underground mining is known or considered likely to have occurred within or close to the area. Potential for difficult ground conditions are at a level where they should be considered
20	559m NE	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**

**1**

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.

Features are displayed on the Mining, ground workings and natural cavities map on **page 133**

ID	Location	Mine Address	Mineral	Data source	Publisher
-	979m NE	Ardwick, Greater Manchester	Bath Stone, Cornstone, Limestone	CATALOGUE OF PLANS OF ABANDONED MINES (NON COAL)	-

*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 <a href="mailto:enquiries.gs@jpb.co.uk">enquiries.gs@jpb.co.uk</a> .

*This data is sourced from Johnson Poole and Bloomer.*

## 18.9 Coal mining

**Records on site**

**1**

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
-----------------	---

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
-----------------	---

Generalised areas that may be affected by gypsum extraction.

*This data is sourced from British Gypsum.*

## 18.12 Tin mining

Records on site	0
-----------------	---

Generalised areas that may be affected by historical tin mining.

*This data is sourced from Groundsure.*

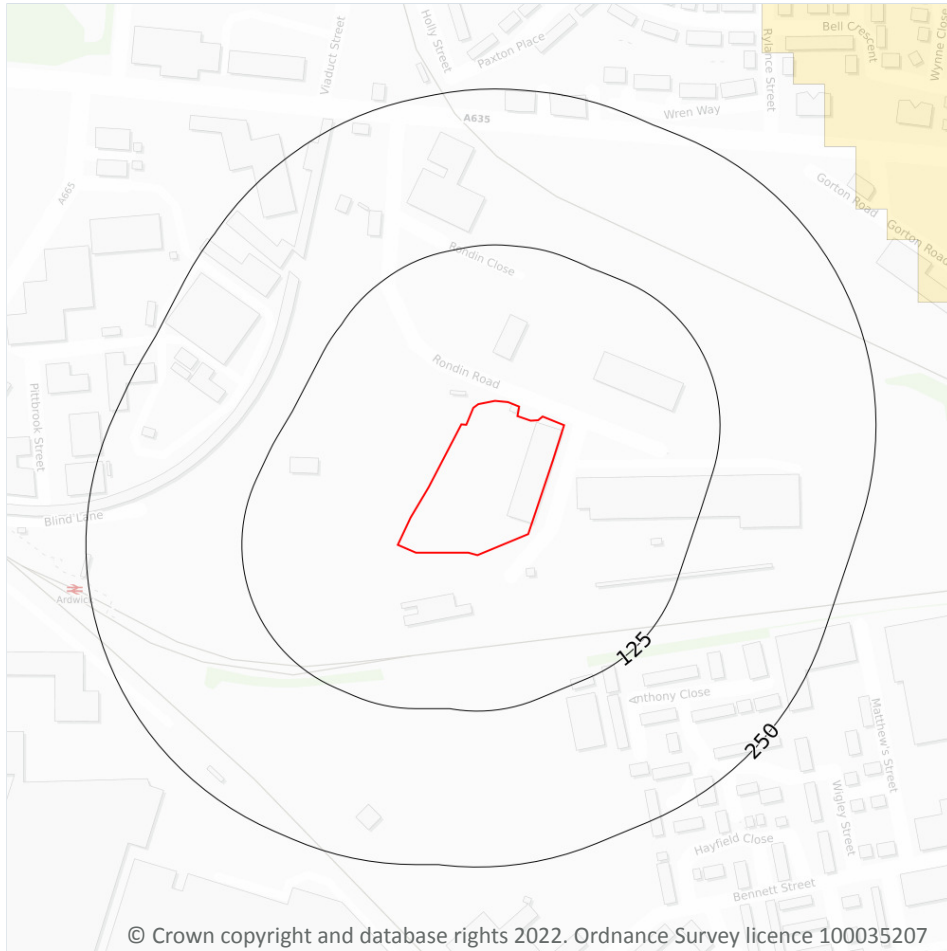
## 18.13 Clay mining

Records on site	0
-----------------	---

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



— Site Outline  
 Search buffers in metres (m)

- Greater than 30%
- Between 10% and 30%
- Between 5% and 10%
- Between 3% and 5%
- Between 1% and 3%
- Less than 1%

### 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 139**

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

3

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 km<sup>2</sup>. 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 km<sup>2</sup>; 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	25 - 35 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	25 - 35 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg
40m NE	15 - 25 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg

*This data is sourced from the British Geological Survey.*

### 20.2 BGS Estimated Urban Soil Chemistry

Records within 50m

12

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 km<sup>2</sup>).

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	20	3.5	111	76	0.3	81	41	37	9
On site	20	3.5	98	67	0.3	82	34	38	8
On site	20	3.5	61	42	0.3	82	17	40	5
On site	20	3.5	61	42	0.3	81	33	41	5



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)
29m N	20	3.5	59	41	0.3	80	33	37	5
31m N	20	3.5	87	60	0.3	81	30	34	8
33m SW	20	3.5	80	55	0.3	86	28	35	7
34m NE	20	3.5	59	41	0.3	81	28	40	7
47m S	18	3.2	125	86	0.3	81	44	36	10
47m S	19	3.3	62	43	0.3	81	18	37	5
48m E	20	3.5	51	35	0.3	82	26	40	5
49m W	21	3.7	44	30	0.3	87	24	34	4

*This data is sourced from the British Geological Survey.*

## 20.3 BGS Measured Urban Soil Chemistry

Records within 50m

1

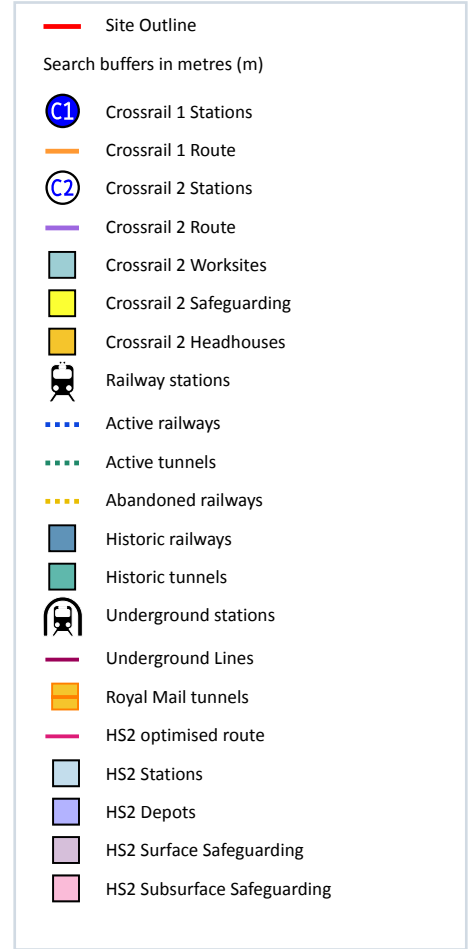
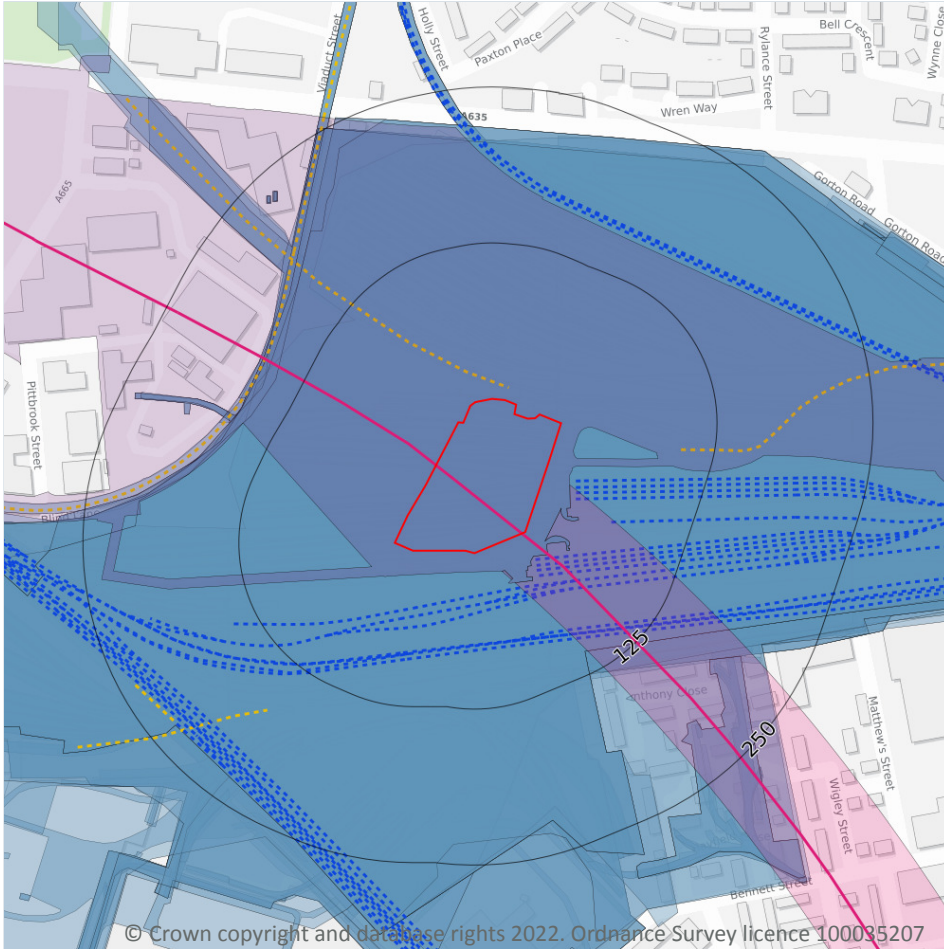
The locations and measured total concentrations (mg/kg) of Arsenic, Cadmium, Chromium, Copper, Nickel, Lead, Tin and Zinc in urban topsoil samples from 23 urban centres across Great Britain. These are collected at a sample density of 4 per km<sup>2</sup>.

Location	Arsenic (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Copper (mg/kg)	Nickel (mg/kg)	Lead (mg/kg)	Tin (mg/kg)	Sample Type
23m E	20.0	0.6	81.3	105.3	41.2	162.8	35.0	Topsoil

*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

107

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 142**

Location	Land Use	Year of mapping	Mapping scale
On site	Railway Sidings	1889	2500
On site	Railway Sidings	1908	2500
On site	Railway Sidings	1922	2500
On site	Railway Sidings	1932	2500
On site	Railway Sidings	1948	1250
On site	Railway Sidings	1971	1250
On site	Railway Sidings	1963	2500
On site	Railway Sidings	1948	2500
On site	Railway Sidings	1988	1250
On site	Railway	1908	-
On site	Railway	1893	-
On site	Railway	1922	-
On site	Railway	1932	-
On site	Railway Sidings	1938	10560
On site	Railway Sidings	1934	10560
On site	Railway Sidings	1915	10560
On site	Railway Sidings	1905	10560



Location	Land Use	Year of mapping	Mapping scale
<b>On site</b>	<b>Railway Sidings</b>	<b>1890</b>	<b>10560</b>
<b>On site</b>	<b>Railway Sidings</b>	<b>1956</b>	<b>10560</b>
<b>On site</b>	<b>Railway Sidings</b>	<b>1985</b>	<b>10000</b>
<b>On site</b>	<b>Railway Sidings</b>	<b>1978</b>	<b>10000</b>
<b>On site</b>	<b>Railway Sidings</b>	<b>1923</b>	<b>10560</b>
<b>On site</b>	<b>Railway Sidings</b>	<b>1968</b>	<b>10560</b>
9m S	Railway Sidings	1971	1250
11m N	Railway	1889	-
13m S	Railway Sidings	1988	1250
13m S	Railway Sidings	1948	1250
15m N	Railway Sidings	1963	2500
15m N	Railway Sidings	1948	2500
31m N	Railway Sidings	1948	1250
31m N	Railway Sidings	1971	1250
31m N	Railway Sidings	1988	1250
41m SE	Railway Sidings	1988	1250
129m N	Railway Sidings	1948	1250
129m N	Railway Sidings	1973	-
129m N	Railway Sidings	1948	1250
133m W	Railway Sidings	1954	1250
133m W	Railway Sidings	1968	2500
133m W	Railway Sidings	1965	2500
133m W	Railway Sidings	1948	2500
133m W	Railway Sidings	1948	1250
133m W	Railway Sidings	1954	1250
133m W	Railway Sidings	1948	1250
133m W	Railway Sidings	1968	2500
133m W	Railway Sidings	1965	2500





Location	Land Use	Year of mapping	Mapping scale
133m W	Railway Sidings	1948	2500
133m N	Railway Sidings	1948	1250
137m W	Railway Sidings	1948	2500
137m W	Railway Sidings	1948	1250
137m W	Railway Sidings	1977	1250
137m W	Railway Sidings	1968	2500
137m W	Railway Sidings	1965	2500
137m W	Railway Sidings	1991	1250
137m W	Railway Sidings	1989	1250
137m N	Railway Sidings	1948	1250
138m N	Railway Sidings	1973	-
140m N	Railway Sidings	1983	1250
141m N	Railway Sidings	1948	1250
142m N	Railway Sidings	1981	1250
142m SW	Railway Sidings	1977	1250
144m SW	Railway Sidings	1968	2500
144m SW	Railway Sidings	1965	2500
145m SW	Railway Sidings	1989	1250
146m SW	Railway Sidings	1991	1250
147m NE	Railway Sidings	1948	1250
148m NE	Railway Sidings	1973	-
150m SW	Railway Sidings	1954	1250
152m NW	Railway Sidings	1983	1250
153m NW	Railway Sidings	1948	1250
154m NW	Railway Sidings	1981	1250
159m W	Railway Sidings	1968	2500
163m SW	Railway Sidings	1993	1250
168m NE	Railway Sidings	1948	1250



Location	Land Use	Year of mapping	Mapping scale
168m NE	Railway Sidings	1973	-
171m SW	Railway Sidings	1995	2500
176m NE	Railway Sidings	1948	1250
179m NE	Railway Sidings	1988	1250
180m SE	Railway Sidings	1934	10560
180m SE	Railway Sidings	1915	10560
184m SE	Railway Sidings	1932	2500
198m N	Railway Sidings	1948	1250
199m N	Railway Sidings	1973	-
206m SE	Railway Sidings	1889	2500
214m S	Tramway Sidings	1932	2500
222m SW	Railway Sidings	1994	1250
222m SW	Railway Sidings	1993	1250
222m SW	Railway Sidings	1954	1250
222m SW	Railway Sidings	1977	1250
222m SW	Railway Sidings	1991	1250
222m SW	Railway Sidings	1989	1250
225m NW	Railway Sidings	1963	2500
225m NW	Railway Sidings	1948	2500
226m NW	Railway Sidings	1973	-
226m NW	Railway Sidings	1948	1250
228m NW	Railway Sidings	1963	2500
228m NW	Railway Sidings	1948	2500
228m NW	Railway Sidings	1973	-
229m SW	Railway Sidings	1954	1250
229m NW	Railway Sidings	1948	1250
234m E	Railway Sidings	1948	1250
234m E	Railway Sidings	1953	1250



Location	Land Use	Year of mapping	Mapping scale
234m E	Railway Sidings	1975	1250
236m E	Railway Sidings	1983	1250
236m SW	Railway Sidings	1908	2500
238m SW	Tramway Sidings	1908	2500
243m SW	Railway Sidings	1948	2500
246m NE	Railway Sidings	1983	1250

*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**

**7**

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

Features are displayed on the Railway infrastructure and projects map on **page 142**

Location	Description
10m N	Abandoned
98m E	Abandoned
161m NW	Abandoned
169m SW	Abandoned
179m NW	Dismantled
188m NW	Abandoned
227m SW	Abandoned

*This data is sourced from OpenStreetMap.*



## 21.7 Railways

Records within 250m

57

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 142**

Location	Name	Type
24m SE		rail
26m E		rail
27m E		rail
28m SE		rail
29m E		rail
30m E		rail
32m E		rail
32m SE		rail
33m E		rail
34m S		rail
35m E		rail
36m SE		rail
37m E		rail
40m S		rail
41m S		rail
41m S		rail
44m S		rail
46m SW		rail
47m S		rail
56m SW		rail
56m SE		rail
63m E		rail
73m S	Hope Valley Line	rail
74m S	Not given	Multi Track



Location	Name	Type
76m S		rail
77m S	Hope Valley Line	rail
82m SW	Hope Valley Line	rail
83m SW	Not given	Single Track
83m SW	Not given	Single Track
87m SW	Hope Valley Line	rail
99m SW	Not given	Single Track
156m E		rail
158m SW		rail
161m NE	Philips Park and Ashburys Branch	rail
164m NE	Not given	Multi Track
165m NE	Philips Park and Ashburys Branch	rail
191m E		rail
193m E		rail
194m E		rail
197m E		rail
202m E		rail
206m E		rail
206m SW	Manchester-Crewe Line	rail
210m SW	Manchester-Crewe Line	rail
214m SW	Manchester-Crewe Line	rail
217m SW	Not given	Multi Track
218m SW	Manchester-Crewe Line	rail
221m SW	Manchester-Crewe Line	rail
221m SW	Manchester-Crewe Line	rail
222m SW	Manchester-Crewe Line	rail
225m SW	Manchester-Crewe Line	rail
226m SW	Manchester-Crewe Line	rail



Location	Name	Type
232m N	Not given	Multi Track
232m E		rail
235m W	Not given	Single Track
247m W	Manchester-Crewe Line	rail
247m SW	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**

**8**

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.

Features are displayed on the Railway infrastructure and projects map on **page 142**

Location	Track Type	Speed (mph)	Speed (km/h)	Status
On site	Surface Running Track	75mph	120kph	Current preferred consultation route
On site	Tunnel	93mph	150kph	Current preferred consultation route



Location	Track Type	Speed (mph)	Speed (km/h)	Status
240m NW	Surface Running Track	75mph	120kph	Current preferred consultation route
337m NW	Surface Running Track	50mph	80kph	Current preferred consultation route
368m SE	Tunnel	143mph	230kph	Current preferred consultation route
368m NW	Surface Running Track	50mph	80kph	Current preferred consultation route
369m NW	Bridge/Viaduct	50mph	80kph	Current preferred consultation route
436m NW	Bridge/Viaduct	50mph	80kph	Current preferred consultation route

*This data is sourced from HS2 Ltd.*

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## 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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