

LAND OFF ROWSLEY STREET, ASHTON NEW ROAD, MANCHESTER, M11 3FF

Order Details

Date: 26/04/2024
Your ref: A3738-JT-01
Our Ref: GS-PQC-6B6-MIR-OHY

Site Details

Location: 386470 398651
Area: 0.03 ha
Authority: [Manchester City Council](#) ↗



Summary of findings

[p. 2 >](#) **Aerial image**

[p. 9 >](#)

OS MasterMap site plan

[p.14 >](#) **[Insight User Guide](#)** ↗

Contact us with any questions at:

info@groundsure.com ↗

01273 257 755

Summary of findings

Page	Section	Past land use >	On site	0-50m	50-250m	250-500m	500-2000m
15 >	1.1 >	Historical industrial land uses >	5	7	80	118	-
23 >	1.2 >	Historical tanks >	0	3	66	87	-
29 >	1.3 >	Historical energy features >	0	2	5	34	-
31	1.4	Historical petrol stations	0	0	0	0	-
31 >	1.5 >	Historical garages >	0	0	2	2	-
32	1.6	Historical military land	0	0	0	0	-
Page	Section	Past land use - un-grouped >	On site	0-50m	50-250m	250-500m	500-2000m
33 >	2.1 >	Historical industrial land uses >	7	12	113	179	-
45 >	2.2 >	Historical tanks >	0	3	90	132	-
53 >	2.3 >	Historical energy features >	0	5	10	72	-
56	2.4	Historical petrol stations	0	0	0	0	-
57 >	2.5 >	Historical garages >	0	0	2	3	-
Page	Section	Waste and landfill >	On site	0-50m	50-250m	250-500m	500-2000m
58	3.1	Active or recent landfill	0	0	0	0	-
58	3.2	Historical landfill (BGS records)	0	0	0	0	-
59	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
59 >	3.4 >	Historical landfill (EA/NRW records) >	0	0	3	0	-
60 >	3.5 >	Historical waste sites >	0	0	4	17	-
62 >	3.6 >	Licensed waste sites >	0	0	2	6	-
65 >	3.7 >	Waste exemptions >	0	0	4	30	-
Page	Section	Current industrial land use >	On site	0-50m	50-250m	250-500m	500-2000m
69 >	4.1 >	Recent industrial land uses >	0	1	12	-	-
70	4.2	Current or recent petrol stations	0	0	0	0	-
70	4.3	Electricity cables	0	0	0	0	-
71	4.4	Gas pipelines	0	0	0	0	-
71	4.5	Sites determined as Contaminated Land	0	0	0	0	-



71	4.6	Control of Major Accident Hazards (COMAH)	0	0	0	0	-
71	4.7	Regulated explosive sites	0	0	0	0	-
71 >	4.8 >	<u>Hazardous substance storage/usage ></u>	0	0	0	3	-
72	4.9	Historical licensed industrial activities (IPC)	0	0	0	0	-
72	4.10	Licensed industrial activities (Part A(1))	0	0	0	0	-
72 >	4.11 >	<u>Licensed pollutant release (Part A(2)/B) ></u>	0	0	2	0	-
73	4.12	Radioactive Substance Authorisations	0	0	0	0	-
73 >	4.13 >	<u>Licensed Discharges to controlled waters ></u>	0	0	0	13	-
75	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
75	4.15	Pollutant release to public sewer	0	0	0	0	-
76	4.16	List 1 Dangerous Substances	0	0	0	0	-
76	4.17	List 2 Dangerous Substances	0	0	0	0	-
76 >	4.18 >	<u>Pollution Incidents (EA/NRW) ></u>	0	0	0	12	-
78	4.19	Pollution inventory substances	0	0	0	0	-
78	4.20	Pollution inventory waste transfers	0	0	0	0	-
78	4.21	Pollution inventory radioactive waste	0	0	0	0	-
Page	Section	<u>Hydrogeology ></u>	On site	0-50m	50-250m	250-500m	500-2000m
79 >	5.1 >	<u>Superficial aquifer ></u>	Identified (within 500m)				
80 >	5.2 >	<u>Bedrock aquifer ></u>	Identified (within 500m)				
81 >	5.3 >	<u>Groundwater vulnerability ></u>	Identified (within 50m)				
82 >	5.4 >	<u>Groundwater vulnerability- soluble rock risk ></u>	Identified (within 0m)				
82	5.5	Groundwater vulnerability- local information	None (within 0m)				
83 >	5.6 >	<u>Groundwater abstractions ></u>	0	0	0	0	26
90 >	5.7 >	<u>Surface water abstractions ></u>	0	0	0	0	6
92	5.8	Potable abstractions	0	0	0	0	0
92	5.9	Source Protection Zones	0	0	0	0	-
92	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-
Page	Section	<u>Hydrology ></u>	On site	0-50m	50-250m	250-500m	500-2000m
93 >	6.1 >	<u>Water Network (OS MasterMap) ></u>	0	0	10	-	-



94 >	6.2 >	Surface water features >	0	0	4	-	-
95 >	6.3 >	WFD Surface water body catchments >	1	-	-	-	-
95 >	6.4 >	WFD Surface water bodies >	0	0	2	-	-
96 >	6.5 >	WFD Groundwater bodies >	1	-	-	-	-
Page	Section	River and coastal flooding	On site	0-50m	50-250m	250-500m	500-2000m
97	7.1	Risk of flooding from rivers and the sea	None (within 50m)				
97	7.2	Historical Flood Events	0	0	0	-	-
97	7.3	Flood Defences	0	0	0	-	-
98	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
98	7.5	Flood Storage Areas	0	0	0	-	-
99	7.6	Flood Zone 2	None (within 50m)				
99	7.7	Flood Zone 3	None (within 50m)				
Page	Section	Surface water flooding >					
100 >	8.1 >	Surface water flooding >	1 in 30 year, 0.3m - 1.0m (within 50m)				
Page	Section	Groundwater flooding >					
102 >	9.1 >	Groundwater flooding >	Low (within 50m)				
Page	Section	Environmental designations >	On site	0-50m	50-250m	250-500m	500-2000m
103	10.1	Sites of Special Scientific Interest (SSSI)	0	0	0	0	0
104	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
104	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
104	10.4	Special Protection Areas (SPA)	0	0	0	0	0
104	10.5	National Nature Reserves (NNR)	0	0	0	0	0
105 >	10.6 >	Local Nature Reserves (LNR) >	0	0	0	0	1
105	10.7	Designated Ancient Woodland	0	0	0	0	0
105	10.8	Biosphere Reserves	0	0	0	0	0
105	10.9	Forest Parks	0	0	0	0	0
106	10.10	Marine Conservation Zones	0	0	0	0	0
106 >	10.11 >	Green Belt >	0	0	0	0	1
106	10.12	Proposed Ramsar sites	0	0	0	0	0



106	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
107	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
107	10.15	Nitrate Sensitive Areas	0	0	0	0	0
107 >	10.16 >	Nitrate Vulnerable Zones >	0	0	0	0	1
108 >	10.17 >	SSSI Impact Risk Zones >	1	-	-	-	-
109	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
110	11.1	World Heritage Sites	0	0	0	-	-
110	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
110	11.3	National Parks	0	0	0	-	-
110	11.4	Listed Buildings	0	0	0	-	-
111	11.5	Conservation Areas	0	0	0	-	-
111	11.6	Scheduled Ancient Monuments	0	0	0	-	-
111	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	Agricultural designations >	On site	0-50m	50-250m	250-500m	500-2000m
112 >	12.1 >	Agricultural Land Classification >	Urban (within 250m)				
113	12.2	Open Access Land	0	0	0	-	-
113	12.3	Tree Felling Licences	0	0	0	-	-
113	12.4	Environmental Stewardship Schemes	0	0	0	-	-
113	12.5	Countryside Stewardship Schemes	0	0	0	-	-
Page	Section	Habitat designations >	On site	0-50m	50-250m	250-500m	500-2000m
114	13.1	Priority Habitat Inventory	0	0	0	-	-
114	13.2	Habitat Networks	0	0	0	-	-
115 >	13.3 >	Open Mosaic Habitat >	0	0	2	-	-
115	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
116 >	14.1 >	10k Availability >	Identified (within 500m)				
117 >	14.2 >	Artificial and made ground (10k) >	2	0	2	2	-
119 >	14.3 >	Superficial geology (10k) >	1	0	2	1	-



120	14.4	Landslip (10k)	0	0	0	0	-
121 >	14.5 >	Bedrock geology (10k) >	1	0	2	2	-
122 >	14.6 >	Bedrock faults and other linear features (10k) >	0	0	1	3	-
Page	Section	Geology 1:50,000 scale >	On site	0-50m	50-250m	250-500m	500-2000m
123 >	15.1 >	50k Availability >	Identified (within 500m)				
124 >	15.2 >	Artificial and made ground (50k) >	1	0	0	0	-
125 >	15.3 >	Artificial ground permeability (50k) >	1	0	-	-	-
126 >	15.4 >	Superficial geology (50k) >	1	0	1	1	-
127 >	15.5 >	Superficial permeability (50k) >	Identified (within 50m)				
127	15.6	Landslip (50k)	0	0	0	0	-
127	15.7	Landslip permeability (50k)	None (within 50m)				
128 >	15.8 >	Bedrock geology (50k) >	1	0	2	2	-
129 >	15.9 >	Bedrock permeability (50k) >	Identified (within 50m)				
129 >	15.10 >	Bedrock faults and other linear features (50k) >	0	0	2	3	-
Page	Section	Boreholes >	On site	0-50m	50-250m	250-500m	500-2000m
130 >	16.1 >	BGS Boreholes >	1	11	127	-	-
Page	Section	Natural ground subsidence >					
138 >	17.1 >	Shrink swell clays >	Very low (within 50m)				
139 >	17.2 >	Running sands >	Very low (within 50m)				
140 >	17.3 >	Compressible deposits >	Very low (within 50m)				
142 >	17.4 >	Collapsible deposits >	Very low (within 50m)				
143 >	17.5 >	Landslides >	Very low (within 50m)				
144 >	17.6 >	Ground dissolution of soluble rocks >	Negligible (within 50m)				
Page	Section	Mining and ground workings >	On site	0-50m	50-250m	250-500m	500-2000m
146 >	18.1 >	BritPits >	0	0	0	1	-
147 >	18.2 >	Surface ground workings >	0	4	49	-	-
149 >	18.3 >	Underground workings >	0	0	0	3	4
150	18.4	Underground mining extents	0	0	0	0	-
150	18.5	Historical Mineral Planning Areas	0	0	0	0	-

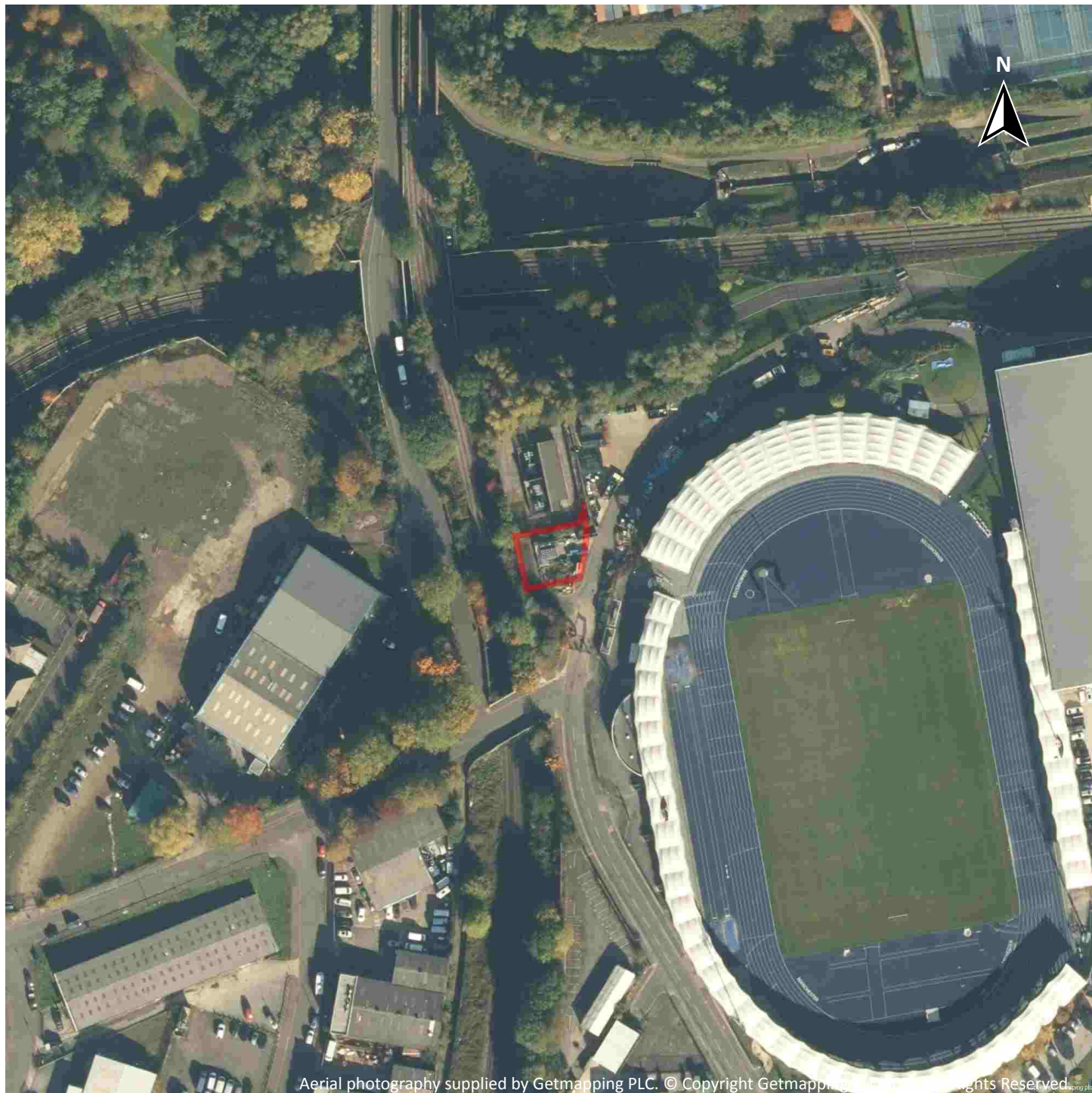


150 >	18.6 >	Non-coal mining >	0	0	1	4	0
151 >	18.7 >	JPB mining areas >	Identified (within 0m)				
151	18.8	The Coal Authority non-coal mining	0	0	0	0	-
151 >	18.9 >	Researched mining >	0	0	0	1	-
152	18.10	Mining record office plans	0	0	0	0	-
152	18.11	BGS mine plans	0	0	0	0	-
152 >	18.12 >	Coal mining >	Identified (within 0m)				
152	18.13	Brine areas	None (within 0m)				
153	18.14	Gypsum areas	None (within 0m)				
153	18.15	Tin mining	None (within 0m)				
153	18.16	Clay mining	None (within 0m)				
Page	Section	Ground cavities and sinkholes >	On site	0-50m	50-250m	250-500m	500-2000m
154	19.1	Natural cavities	0	0	0	0	-
155 >	19.2 >	Mining cavities >	0	0	0	0	2
155	19.3	Reported recent incidents	0	0	0	0	-
155	19.4	Historical incidents	0	0	0	0	-
156	19.5	National karst database	0	0	0	0	-
Page	Section	Radon >					
157 >	20.1 >	Radon >	Less than 1% (within 0m)				
Page	Section	Soil chemistry >	On site	0-50m	50-250m	250-500m	500-2000m
159 >	21.1 >	BGS Estimated Background Soil Chemistry >	1	1	-	-	-
159 >	21.2 >	BGS Estimated Urban Soil Chemistry >	1	4	-	-	-
160	21.3	BGS Measured Urban Soil Chemistry	0	0	-	-	-
Page	Section	Railway infrastructure and projects >	On site	0-50m	50-250m	250-500m	500-2000m
161	22.1	Underground railways (London)	0	0	0	-	-
161	22.2	Underground railways (Non-London)	0	0	0	-	-
162	22.3	Railway tunnels	0	0	0	-	-
162 >	22.4 >	Historical railway and tunnel features >	0	10	51	-	-
164	22.5	Royal Mail tunnels	0	0	0	-	-



165 >	22.6 >	Historical railways >	0	0	2	-	-
165 >	22.7 >	Railways >	0	4	27	-	-
166	22.8	Crossrail 1	0	0	0	0	-
167	22.9	Crossrail 2	0	0	0	0	-
167	22.10	HS2	0	0	0	0	-

Recent aerial photograph



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Capture Date: 18/10/2022

Site Area: 0.03ha



Recent site history - 2019 aerial photograph



Capture Date: 22/04/2019

Site Area: 0.03ha



Recent site history - 2015 aerial photograph



Capture Date: 11/06/2015

Site Area: 0.03ha



Recent site history - 2009 aerial photograph



Capture Date: 02/06/2009

Site Area: 0.03ha



Recent site history - 2000 aerial photograph

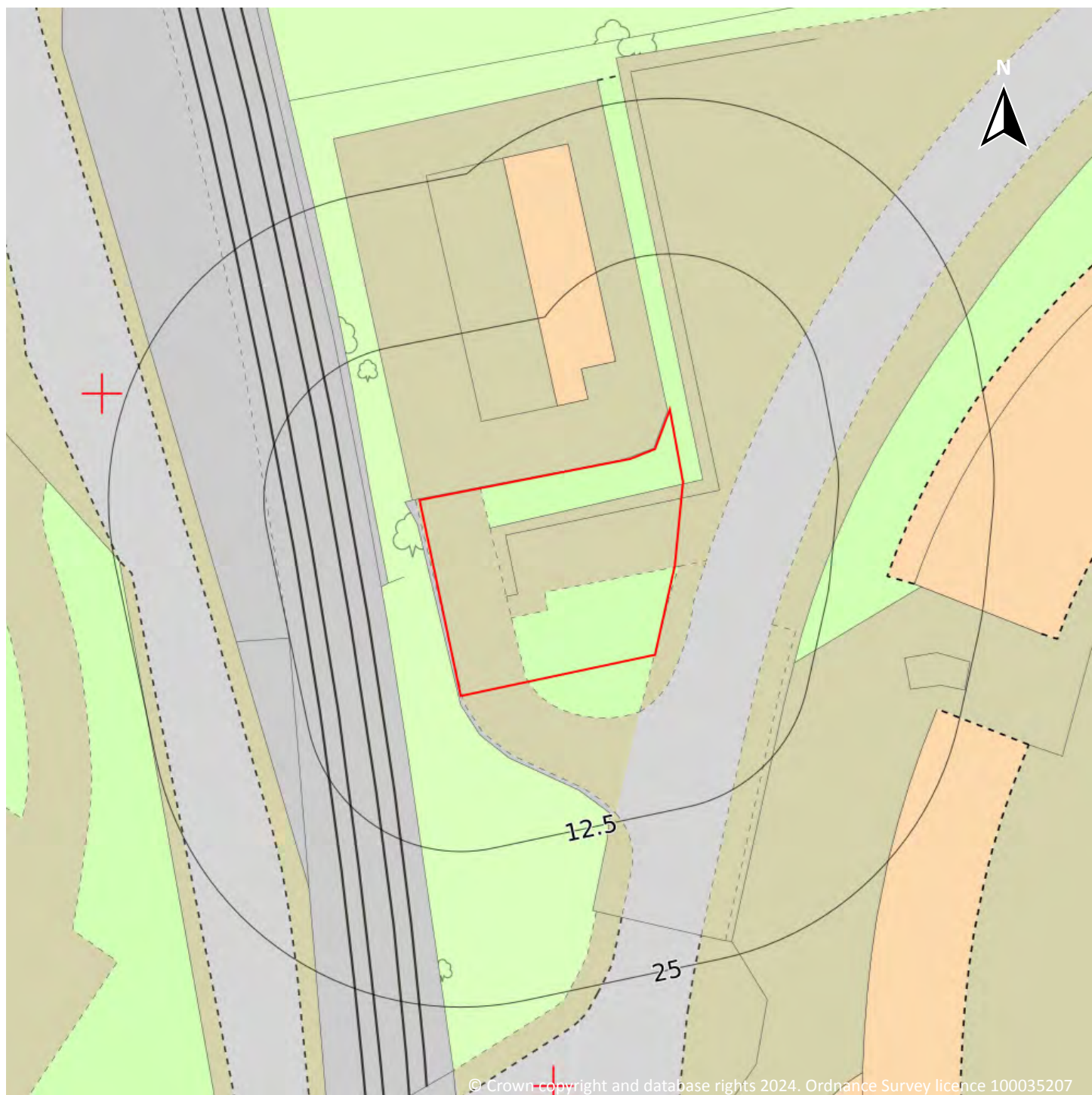


Capture Date: 19/06/2000

Site Area: 0.03ha



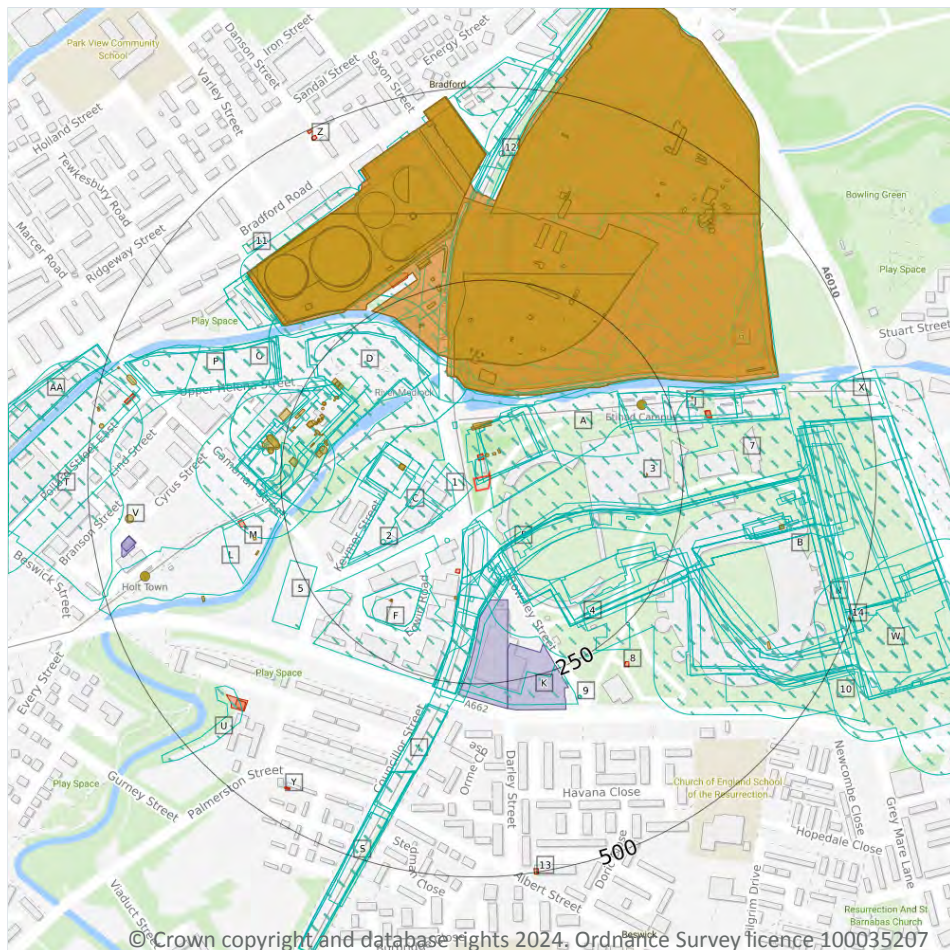
OS MasterMap site plan



Site Area: 0.03ha



1 Past land use



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

1.1 Historical industrial land uses

Records within 500m

210

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 15](#) >

ID	Location	Land use	Dates present	Group ID
A	On site	Fustian Mills	1851	806840



ID	Location	Land use	Dates present	Group ID
A	On site	Unspecified Mill	1891	929965
A	On site	Unspecified Mill	1923	953219
A	On site	Unspecified Factory	1985 - 1991	955182
A	On site	Unspecified Mill	1933 - 1938	984374
1	4m SW	Pottery	1851	818634
B	24m SE	Colliery	1968	890493
C	29m W	Cotton Works	1891 - 1938	923167
B	39m S	Railway Sidings	1978	963771
C	43m S	Cuttings	1956	850032
D	45m NW	Sanitary Works	1956	876771
C	47m S	Cuttings	1891	966918
C	51m SW	Unspecified Works	1968	830457
A	54m NE	Unspecified Mill	1968	968050
E	60m SE	Engine House	1851	827951
A	69m NW	Railway Building	1923	820486
C	70m W	Unspecified Factory	1968	821378
C	70m W	Unspecified Works	1985 - 1991	987383
C	72m SW	Coal Pit	1851	808496
E	74m SE	Cuttings	1923 - 1985	845908
B	74m SE	Railway Sidings	1956	930832
B	74m SE	Unspecified Works	1968	937236
B	75m SE	Railway Sidings	1921 - 1923	872908
B	75m SE	Railway Sidings	1933 - 1938	923517
E	75m SE	Cuttings	1906 - 1921	886067
B	76m SE	Railway Sidings	1968	976581
B	77m SE	Railway Sidings	1906	845027
B	77m SE	Mineral Yard	1906 - 1921	924612
E	79m SE	Cuttings	1968 - 1978	927360



ID	Location	Land use	Dates present	Group ID
B	80m SE	Railway Sidings	1891	916978
F	80m SW	Brick Field	1851	817947
C	83m W	Unspecified Works	1978	979217
D	90m NW	Sanitary Works	1933	888668
D	90m NW	Sanitary Works	1921	963542
G	91m N	Gas Works	1891	874852
C	92m S	Cuttings	1956	923604
C	96m S	Cuttings	1923 - 1938	901809
C	96m S	Cuttings	1906	981496
C	97m S	Cuttings	1968	867964
G	100m N	Unspecified Commercial/Industrial	1956	951490
C	101m S	Cuttings	1991	986749
G	102m N	Gas Works	1906 - 1923	932486
B	103m SE	Mineral Yard	1923	925426
G	104m N	Railway Sidings	1956 - 1968	982092
G	110m N	Unspecified Commercial/Industrial	1933 - 1938	894722
G	110m N	Railway Sidings	1933 - 1938	898707
G	113m N	Unspecified Commercial/Industrial	1968 - 1978	974281
G	115m N	Railway Sidings	1978	974171
2	135m SW	Brick Kiln	1851	811032
C	136m S	Cuttings	1933	887381
C	136m S	Cuttings	1921	982064
C	137m S	Railway Building	1923	820485
D	140m NW	Sanitary Works	1923	954361
D	140m NW	Sanitary Works	1938	846336
D	140m NW	Sanitary Works	1891 - 1906	971025
G	145m N	Railway Sidings	1923	973770
F	146m SW	Unspecified Works	1985	853079



ID	Location	Land use	Dates present	Group ID
F	146m SW	Unspecified Works	1978	954698
F	146m SW	Unspecified Works	1991	854233
G	150m N	Railway Sidings	1906 - 1921	881262
B	151m SE	Goods Shed	1933 - 1968	937712
I	158m S	Cuttings	1956	874289
D	168m NW	Unspecified Commercial/Industrial	1923	796759
D	177m NW	Unspecified Works	1991	905493
D	177m NW	Unspecified Works	1985	987762
J	180m E	Unspecified Mills	1938	983499
G	181m N	Railway Sidings	1891	925215
D	181m W	Oil Works	1921 - 1923	952223
D	182m NW	Unspecified Works	1968	878038
B	183m E	Railway Building	1923	820484
B	185m SE	Goods Shed	1921 - 1923	961127
D	188m NW	Unspecified Works	1978	890255
J	191m NE	Unspecified Works	1891	830469
B	191m SE	Railway Building	1968	820480
D	198m W	Unspecified Tank	1938	937017
D	198m W	Unspecified Tank	1906	940002
D	199m W	Unspecified Tank	1923	910877
B	200m SE	Unspecified Works	1985 - 1991	930707
4	205m SE	Railway Building	1891	820479
5	229m SW	Unspecified Works	1985 - 1991	975823
D	232m W	Unspecified Heap	1956 - 1968	875105
D	234m W	Unspecified Ground Workings	1891	971049
J	237m E	Unspecified Mills	1923	915992
6	239m NE	Unspecified Ground Workings	1906 - 1923	968041
K	241m S	Unspecified Works	1978	830478



ID	Location	Land use	Dates present	Group ID
D	242m NW	Unspecified Ground Workings	1968	800627
D	244m W	Unspecified Ground Workings	1906 - 1933	923784
D	244m W	Unspecified Ground Workings	1938	951822
H	245m NW	Gas Works	1985 - 1991	895751
J	245m E	Unspecified Mill	1968	810300
L	246m W	Cotton Mills	1851	862251
7	247m E	Unspecified Works	1968 - 1978	979111
D	257m W	Unspecified Tank	1906 - 1938	973359
M	257m W	Unspecified Works	1968	830456
B	260m SE	Railway Building	1938	820483
D	266m W	Unspecified Tank	1906 - 1921	879635
D	266m W	Unspecified Tank	1933 - 1938	882390
D	266m W	Unspecified Tank	1923	920137
J	268m E	Unspecified Mills	1921	903508
J	268m E	Unspecified Mills	1933	971458
D	269m W	Unspecified Tank	1906 - 1938	946622
H	271m NW	Gas Work	1978	814479
H	274m NW	Unspecified Works	1968	830458
H	274m NW	Unspecified Commercial/Industrial	1956	916012
D	275m W	Unspecified Tank	1923	953286
B	275m E	Unspecified Works	1968 - 1978	935747
B	275m E	Unspecified Works	1991	964432
N	275m E	Iron Works	1956	988439
H	276m NW	Raising Works	1906	806704
H	276m NW	Gas Stove Works	1921 - 1923	899437
H	276m NW	Unspecified Commercial/Industrial	1933 - 1938	909305
H	276m NW	Unspecified Commercial/Industrial	1891	917862
B	280m SE	Iron Works	1921 - 1923	859582



ID	Location	Land use	Dates present	Group ID
O	280m NW	Unspecified Mills	1985 - 1991	922374
O	280m NW	Unspecified Mills	1968 - 1978	912751
P	281m NW	Unspecified Mills	1956	914363
P	282m NW	Unspecified Mills	1938	963506
P	282m NW	Unspecified Mills	1921	966437
I	283m S	Cuttings	1891	884725
I	283m S	Cuttings	1906 - 1938	928101
P	283m NW	Unspecified Mills	1923	989977
B	283m E	Unspecified Works	1985	912707
I	284m S	Cuttings	1923	902699
B	286m SE	Iron Works	1933 - 1938	850007
B	286m SE	Iron Works	1891 - 1906	914404
H	287m NW	Gasometers	1991	983680
H	292m NW	Unspecified Tank	1906	918029
H	292m NW	Unspecified Tank	1933 - 1938	938620
H	292m NW	Gasometer	1921 - 1923	941154
9	293m SE	Coal Pit	1851	808490
H	293m N	Unspecified Tank	1891	927485
H	293m NW	Gasometer	1985	979918
H	295m N	Gasometer	1923	809782
H	295m N	Unspecified Tank	1906 - 1921	909386
H	295m N	Unspecified Tank	1933 - 1938	927958
H	295m NW	Brick Field	1851	817949
H	296m NW	Gasometers	1978	916494
H	296m NW	Unspecified Tanks	1956 - 1968	922346
H	313m N	Gasometer	1923	809785
H	313m N	Unspecified Tank	1906 - 1921	850837
H	313m N	Unspecified Tank	1891	972082



ID	Location	Land use	Dates present	Group ID
H	318m NW	Gasometer	1985	850148
H	328m NW	Unspecified Tank	1933 - 1938	889468
B	332m E	Goods Station	1921	883795
B	332m E	Goods Station	1933 - 1938	948277
H	332m N	Unspecified Pit	1933 - 1938	883057
B	333m E	Goods Station	1923	957584
J	339m E	Coal Pits	1851	802165
G	342m N	Unspecified Tanks	1921 - 1923	981777
R	342m N	Refuse Heap	1891	829115
H	343m N	Gasometer	1923	809783
H	343m N	Unspecified Tank	1906 - 1921	974232
H	343m N	Unspecified Tank	1891	916313
B	345m E	Railway Building	1891	820481
H	358m N	Unspecified Pit	1933 - 1938	988822
H	359m N	Unspecified Tank	1891	940326
H	363m N	Gasometer	1923	809781
H	363m N	Unspecified Tank	1906 - 1921	854180
I	371m S	Cuttings	1905	856912
B	372m E	Goods Station	1956	821665
S	372m S	Cuttings	1938	923593
S	372m S	Cuttings	1915	907527
H	374m N	Brick Works	1891	818774
B	375m E	Railway Building	1968	820497
H	386m N	Unspecified Works	1968	830459
T	391m W	Brick Field	1851	817950
10	391m SE	Unspecified Works	1978	830479
B	394m E	Railway Buildings	1923	833670
J	395m E	Coal Pits	1851	802164



ID	Location	Land use	Dates present	Group ID
B	400m E	Railway Building	1938	820482
B	403m E	Goods Station	1956 - 1968	896579
N	403m E	Unspecified Commercial/Industrial	1923	967281
N	406m E	Unspecified Commercial/Industrial	1933 - 1938	879239
U	406m SW	Unspecified Pit	1991	840535
11	408m NW	Brick Kilns	1851	827898
H	409m N	Unspecified Commercial/Industrial	1851	881841
12	411m N	Coal Pit	1851	808495
N	412m E	Unspecified Commercial/Industrial	1891 - 1978	895595
N	413m E	Unspecified Works	1968	868023
Q	419m NE	Unspecified Tank	1933 - 1938	963475
Q	419m NE	Unspecified Tanks	1906 - 1923	989875
N	421m E	Unspecified Works	1985	988793
Q	421m NE	Unspecified Tanks	1923	938396
Q	423m NE	Unspecified Tank	1933 - 1938	919997
Q	423m NE	Unspecified Tanks	1921	939998
Q	424m NE	Unspecified Tanks	1968 - 1978	869704
Q	430m NE	Unspecified Tank	1933 - 1938	903443
Q	430m NE	Unspecified Tanks	1906 - 1923	959046
T	434m W	Unspecified Mill	1938	920927
Q	437m NE	Unspecified Pit	1906 - 1923	895806
S	438m S	Cuttings	1905	911532
S	438m S	Cuttings	1923	976828
H	441m N	Coal Pit	1851	808504
T	444m W	Unspecified Commercial/Industrial	1985 - 1991	918075
T	446m W	Chimney	1985 - 1991	959165
T	447m W	Unspecified Commercial/Industrial	1956	899187
W	450m E	Colliery	1891	971185



ID	Location	Land use	Dates present	Group ID
X	452m E	Unspecified Works	1968	830468
W	460m E	Colliery	1851	887196
X	461m E	Smallwares Mill	1851	834636
H	463m N	Unspecified Pit	1906	840536
Q	465m NE	Gas Work	1968 - 1978	945176
Q	467m NE	Gasometer	1968 - 1978	908225
N	470m E	Unspecified Tank	1923	825296
Q	470m NE	Gasometer	1923	809784
Q	478m NE	Unspecified Tanks	1923	815395
AA	494m W	Unspecified Mill	1921	941996
AA	494m W	Unspecified Mill	1933 - 1938	974727
AA	496m W	Unspecified Mill	1923	926128
W	496m E	Colliery	1906 - 1923	878194

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m

156

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 15 >](#)

ID	Location	Land use	Dates present	Group ID
A	21m N	Unspecified Tank	1908	116129
A	24m N	Tank or Trough	1908	121466
A	29m NE	Unspecified Tank	1931	116127
A	59m N	Tanks	1931	140274
A	61m N	Tanks	1948 - 1955	136522



ID	Location	Land use	Dates present	Group ID
C	90m W	Tanks	1992	106808
C	90m W	Unspecified Tank	1989	116128
G	102m N	Gas Works	1948 - 1949	140627
G	103m N	Gas Works	1908 - 1922	144191
G	114m N	Tanks	1931 - 1948	132624
C	140m S	Unspecified Tank	1979	116137
H	141m N	Gas Works	1893	123389
G	142m N	Gas Works	1891	135095
G	142m N	Overhead Tanks	1948	120513
G	151m N	Tanks	1979	106890
G	154m N	Tanks	1955 - 1979	143974
G	158m N	Tanks	1979	106893
G	158m N	Unspecified Tank	1891	116115
G	172m N	Tanks	1948	106896
G	173m NE	Unspecified Tank	1948	116113
F	178m SW	Unspecified Tank	1979	116138
F	178m SW	Unspecified Tank	1979	126647
F	178m SW	Unspecified Tank	1983	132385
F	179m SW	Unspecified Tank	1980	142018
D	193m W	Unspecified Tank	1908 - 1931	127771
D	194m W	Tanks	1908 - 1922	145285
G	197m N	Unspecified Tank	1948	116052
D	198m W	Tanks	1931	106806
3	202m E	Tanks	1891	106807
D	203m W	Unspecified Tank	1891	116124
D	204m NW	Unspecified Tank	1948 - 1979	140187
G	206m N	Unspecified Tank	1979	141260
G	206m N	Unspecified Tank	1955 - 1958	140162



ID	Location	Land use	Dates present	Group ID
D	206m NW	Unspecified Tank	1931	116118
D	206m W	Unspecified Tank	1908	116125
D	207m NW	Unspecified Tank	1891	116114
H	208m N	Unspecified Tank	1908 - 1922	147259
D	208m W	Tanks	1948 - 1979	134652
H	209m N	Unspecified Tank	1948	116051
D	209m W	Tanks	1979	129820
D	210m NW	Unspecified Tank	1986 - 1989	127783
D	210m W	Tanks	1931	127904
D	211m W	Tanks	1955	127968
D	211m W	Tanks	1948	128195
D	211m W	Unspecified Tank	1891	116123
D	212m W	Unspecified Tank	1908	116120
D	212m NW	Unspecified Tank	1891	116116
D	212m W	Tanks	1979	139173
D	214m W	Unspecified Tank	1908	116126
D	214m W	Tanks	1948 - 1955	134210
D	214m NW	Unspecified Tank	1931	116119
D	214m NW	Unspecified Tank	1979	122787
D	215m W	Tanks	1979 - 1986	140447
D	215m NW	Unspecified Tank	1948 - 1955	125105
D	217m NW	Unspecified Tank	1891	116117
D	219m W	Tanks	1948 - 1989	125836
G	221m NE	Unspecified Tank	1891	116096
H	226m N	Unspecified Tank	1948	116053
D	229m W	Tanks	1948 - 1955	130116
D	236m W	Unspecified Tank	1948 - 1979	144042
G	238m NE	Unspecified Tank	1891	116097



ID	Location	Land use	Dates present	Group ID
D	240m W	Unspecified Tank	1979	142816
D	241m W	Unspecified Tank	1955	141710
D	241m W	Unspecified Tank	1948	147680
G	242m N	Unspecified Tank	1948	125740
D	242m W	Unspecified Tank	1931	116121
G	242m NE	Unspecified Tank	1948	116095
H	243m N	Tanks	1948	106892
G	248m N	Unspecified Tank	1891	147647
D	251m W	Tanks	1948	106809
G	252m NE	Unspecified Tank	1891	116098
G	252m NE	Unspecified Tank	1931	116099
G	254m NE	Tanks	1948	106898
D	255m W	Tanks	1922 - 1931	134829
D	256m W	Tanks	1908	143683
H	259m N	Tanks	1948	106891
D	262m W	Unspecified Tank	1908	122777
D	262m W	Unspecified Tank	1922 - 1931	138312
H	267m N	Tanks	1922 - 1931	142950
G	273m N	Tanks	1931	106897
H	276m NW	Gas Holder Station	1986 - 1989	143674
H	276m NW	Gas Holder Station	1992	124051
H	277m NW	Gas Works	1979	124342
J	279m E	Unspecified Tank	1891	116112
H	280m N	Tanks	1908	124443
G	283m N	Unspecified Tank	1948 - 1979	122403
H	286m N	Unspecified Tank	1948	116054
H	290m NW	Overhead Tanks	1948	120512
H	291m NW	Unspecified Tank	1931	128987



ID	Location	Land use	Dates present	Group ID
H	291m NW	Gasometer	1908 - 1922	144489
M	292m W	Unspecified Tank	1891	116122
M	292m W	Unspecified Tank	1948 - 1955	138415
H	296m N	Unspecified Tank	1931	116055
H	296m NW	Gas Holder	1986 - 1989	149177
H	296m NW	Unspecified Tank	1958	145921
H	297m NW	Gasometers	1979	108903
H	297m NW	Gasholder	1992	120428
H	297m N	Gasometer	1891	108529
H	298m NW	Unspecified Tank	1948 - 1955	139971
H	298m N	Gasometers	1893 - 1922	146932
G	298m N	Tanks	1948	106895
G	299m N	Tanks	1948	106894
H	304m NW	Tanks	1986 - 1992	144183
H	328m NW	Unspecified Tank	1931	148893
H	329m NW	Gas Holder	1986 - 1989	140988
H	329m NW	Gasholder	1992	120429
H	330m NW	Unspecified Tank	1958	123472
H	331m NW	Unspecified Tank	1948 - 1955	147701
Q	336m N	Gas Works	1968 - 1970	130205
H	339m N	Gas Holder Station	1991 - 1995	128430
G	342m N	Tanks	1922 - 1931	141453
H	343m N	Tanks	1986 - 1992	136167
H	343m N	Tanks	1989	138546
H	347m N	Gasometer	1891	108530
H	350m N	Unspecified Tank	1994 - 1995	143443
H	350m N	Unspecified Tank	1991	137585
J	359m NE	Tanks	1979	106922



ID	Location	Land use	Dates present	Group ID
H	362m N	Gas Works	1949	130918
H	365m N	Gasometer	1891	108531
G	367m N	Unspecified Tank	1949	116094
L	378m W	Tanks	1931	106803
B	379m E	Tanks	1955 - 1987	143448
H	381m N	Gas Works	1968 - 1970	146054
H	381m N	Gas Works	1948 - 1952	141387
H	382m N	Gas Works	1984	140774
B	412m SE	Tank or Trough	1908	121467
Q	419m NE	Unspecified Tank	1968 - 1970	133963
Q	419m NE	Tanks	1922 - 1931	135092
Q	420m NE	Tanks	1908 - 1931	147035
Q	422m NE	Tanks	1948	132522
Q	424m NE	Tanks	1948 - 1958	130892
Q	426m NE	Tanks	1922 - 1931	148520
Q	432m NE	Unspecified Tank	1955	116102
Q	432m NE	Tanks	1948	137971
Q	435m NE	Unspecified Tank	1968 - 1970	125026
Q	437m NE	Unspecified Tank	1968	116101
Q	441m NE	Unspecified Tank	1931	116100
V	444m W	Unspecified Tank	1955 - 1958	147176
Q	446m NE	Tanks	1949	106927
R	446m N	Unspecified Tank	1968 - 1970	129294
Q	450m NE	Tanks	1949	106926
Q	454m NE	Tanks	1949	106930
T	454m W	Tanks	1948 - 1958	128872
Q	459m NE	Tanks	1949	106925
Q	475m NE	Unspecified Tank	1970	116093



ID	Location	Land use	Dates present	Group ID
Q	476m NE	Tanks	1968	131109
Q	476m NE	Unspecified Tank	1908 - 1922	144275
Q	476m NE	Tanks	1970	123034
T	481m W	Unspecified Tank	1948	115996
T	484m W	Unspecified Tank	1963 - 1967	138789
Q	485m NE	Tanks	1908 - 1931	136314
Q	486m NE	Unspecified Tank	1931	116091
Q	491m NE	Tanks	1949	106929
T	492m W	Unspecified Tank	1922	115986
T	494m W	Unspecified Tank	1931	115987
14	496m E	Unspecified Tank	1893	116139

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m	41
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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 15 >](#)

ID	Location	Land use	Dates present	Group ID
A	19m N	Electricity Substation	1989	83931
A	20m N	Electricity Substation	1955 - 1992	65320
G	102m N	Gas Works	1948 - 1970	85321
G	103m N	Gas Works	1908 - 1922	77534
C	104m S	Electricity Substation	1979 - 1992	67641
H	141m N	Gas Works	1893	80210
G	142m N	Gas Works	1891	73418



ID	Location	Land use	Dates present	Group ID
H	269m NW	Corporation Gas Works	1891	79203
H	276m NW	Gas Holder Station	1986 - 1989	65294
H	276m NW	Gas Holder Station	1992	79718
H	277m NW	Gas Works	1979	64728
8	286m SE	Electricity Substation	1979 - 1995	66724
J	290m E	Electricity Substation	1955 - 1995	84614
H	291m NW	Gasometer	1908 - 1922	70420
J	291m E	Electricity Sub-Station	1979 - 1991	77947
H	296m NW	Gas Holder	1986 - 1989	77108
H	297m NW	Gasometers	1979	63338
H	297m NW	Gasholder	1992	63416
H	297m N	Gasometer	1891	59722
H	298m N	Gasometers	1893 - 1922	78993
M	302m W	Electricity Substation	1955	62198
H	329m NW	Gas Holder	1986 - 1989	74103
H	329m NW	Gasholder	1992	63417
H	339m N	Gas Holder Station	1991 - 1995	83257
H	347m N	Gasometer	1891	59723
H	362m N	Gas Works	1949	66752
H	365m N	Gasometer	1891	59724
H	381m N	Gas Works	1948 - 1970	74752
H	382m N	Gas Works	1984	71264
J	383m NE	Electricity Substation	1979	62200
J	394m NE	Electricity Substation	1948 - 1955	69850
U	402m SW	Electricity Substation	1948 - 1987	64694
U	405m SW	Electricity Substation	1993	72378
T	451m W	Electricity Substation	1955 - 1992	70235
T	452m W	Electricity Substation	1989	81416



ID	Location	Land use	Dates present	Group ID
Y	454m SW	Electricity Substation	1979 - 1986	77400
Y	455m SW	Electricity Substation	1980 - 1987	76796
Y	455m SW	Electricity Substation	1993	67076
Z	485m NW	Electricity Substation	1968 - 1984	74990
13	495m S	Electricity Substation	1979 - 1995	78935
Z	495m NW	Electricity Substation	1991 - 1995	74979

This data is sourced from Ordnance Survey / Groundsure.

1.4 Historical petrol stations

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

This data is sourced from Ordnance Survey / Groundsure.

1.5 Historical garages

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

Features are displayed on the Past land use map on [page 15 >](#)

ID	Location	Land use	Dates present	Group ID
C	142m S	Garage	1986	20751
K	202m S	Garage	1983	24112
V	445m W	Garage	1992	23945
V	445m W	Garage	1986 - 1989	25656

This data is sourced from Ordnance Survey / Groundsure.



1.6 Historical military land

Records within 500m

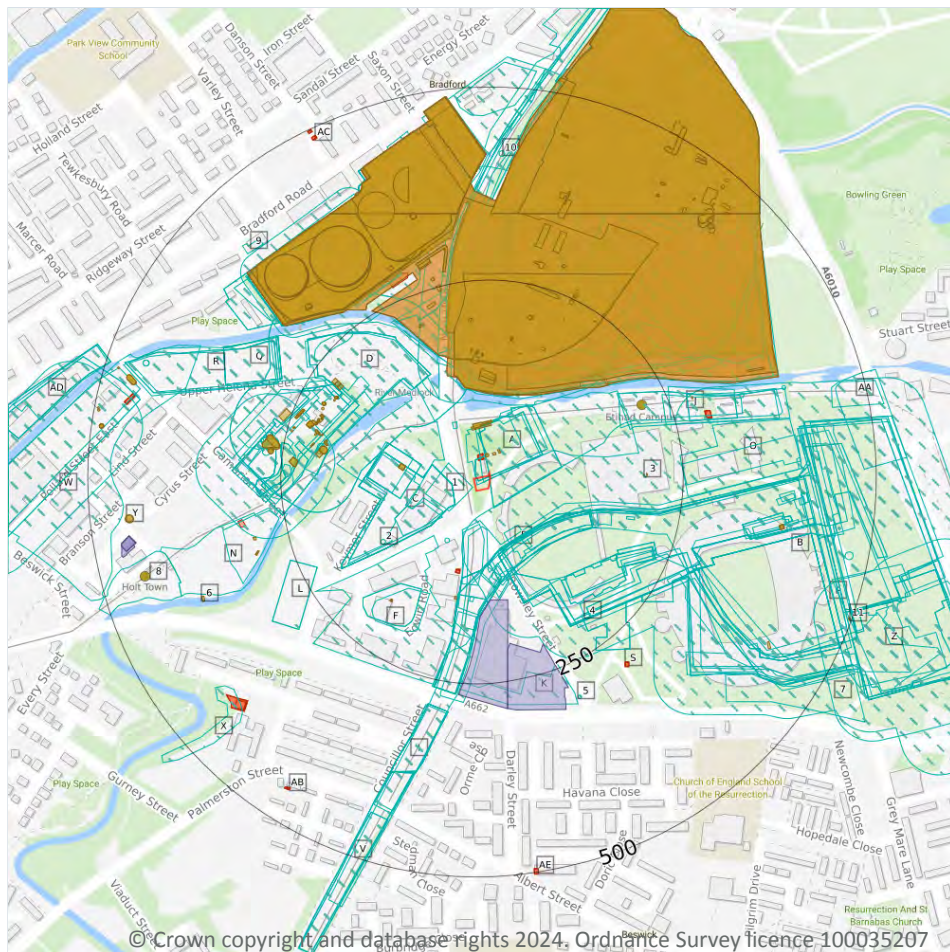
0

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

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



2 Past land use - un-grouped



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

2.1 Historical industrial land uses

Records within 500m

311

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 33](#) >

ID	Location	Land Use	Date	Group ID
A	On site	Unspecified Mill	1891	929965
A	On site	Unspecified Mill	1938	984374
A	On site	Unspecified Mill	1933	984374



ID	Location	Land Use	Date	Group ID
A	On site	Fustian Mills	1851	806840
A	On site	Unspecified Factory	1985	955182
A	On site	Unspecified Factory	1991	955182
A	On site	Unspecified Mill	1923	953219
1	4m SW	Pottery	1851	818634
B	24m SE	Colliery	1968	890493
C	29m W	Cotton Works	1921	923167
C	29m W	Cotton Works	1906	923167
C	29m W	Cotton Works	1891	923167
C	29m W	Cotton Works	1938	923167
C	29m W	Cotton Works	1933	923167
C	29m W	Cotton Works	1923	923167
B	39m S	Railway Sidings	1978	963771
C	43m S	Cuttings	1956	850032
D	45m NW	Sanitary Works	1956	876771
C	47m S	Cuttings	1891	966918
C	51m SW	Unspecified Works	1968	830457
A	54m NE	Unspecified Mill	1968	968050
E	60m SE	Engine House	1851	827951
A	69m NW	Railway Building	1923	820486
C	70m W	Unspecified Factory	1968	821378
C	70m W	Unspecified Works	1985	987383
C	70m W	Unspecified Works	1991	987383
C	72m SW	Coal Pit	1851	808496
E	74m SE	Cuttings	1956	845908
B	74m SE	Railway Sidings	1956	930832
B	74m SE	Unspecified Works	1968	937236
B	75m SE	Railway Sidings	1921	872908



ID	Location	Land Use	Date	Group ID
B	75m SE	Railway Sidings	1938	923517
B	75m SE	Railway Sidings	1933	923517
E	75m SE	Cuttings	1938	845908
E	75m SE	Cuttings	1933	845908
E	75m SE	Cuttings	1921	886067
B	76m SE	Railway Sidings	1968	976581
B	77m SE	Mineral Yard	1921	924612
B	77m SE	Railway Sidings	1906	845027
B	77m SE	Mineral Yard	1906	924612
B	77m SE	Railway Sidings	1923	872908
E	79m SE	Cuttings	1923	845908
E	79m SE	Cuttings	1906	886067
E	79m SE	Cuttings	1978	927360
E	79m SE	Cuttings	1968	927360
B	80m SE	Railway Sidings	1891	916978
F	80m SW	Brick Field	1851	817947
C	83m W	Unspecified Works	1978	979217
E	83m SE	Cuttings	1985	845908
D	90m NW	Sanitary Works	1933	888668
D	90m NW	Sanitary Works	1921	963542
G	91m N	Gas Works	1891	874852
C	92m S	Cuttings	1956	923604
C	96m S	Cuttings	1923	901809
C	96m S	Cuttings	1938	901809
C	96m S	Cuttings	1906	981496
C	97m S	Cuttings	1968	867964
G	100m N	Unspecified Commercial/Industrial	1956	951490
C	101m S	Cuttings	1991	986749



ID	Location	Land Use	Date	Group ID
G	102m N	Gas Works	1923	932486
B	103m SE	Mineral Yard	1923	925426
G	104m N	Railway Sidings	1956	982092
G	106m N	Gas Works	1921	932486
G	110m N	Gas Works	1906	932486
G	110m N	Unspecified Commercial/Industrial	1938	894722
G	110m N	Railway Sidings	1938	898707
G	110m N	Railway Sidings	1933	898707
G	110m N	Unspecified Commercial/Industrial	1933	894722
G	113m N	Unspecified Commercial/Industrial	1968	974281
G	113m N	Railway Sidings	1968	982092
G	115m N	Railway Sidings	1978	974171
G	115m N	Unspecified Commercial/Industrial	1978	974281
2	135m SW	Brick Kiln	1851	811032
C	136m S	Cuttings	1933	887381
C	136m S	Cuttings	1921	982064
C	137m S	Railway Building	1923	820485
D	140m NW	Sanitary Works	1923	954361
D	140m NW	Sanitary Works	1906	971025
D	140m NW	Sanitary Works	1891	971025
D	140m NW	Sanitary Works	1938	846336
G	145m N	Railway Sidings	1923	973770
F	146m SW	Unspecified Works	1985	853079
F	146m SW	Unspecified Works	1978	954698
F	146m SW	Unspecified Works	1991	854233
G	150m N	Railway Sidings	1921	881262
G	150m N	Railway Sidings	1906	881262
B	151m SE	Goods Shed	1956	937712



ID	Location	Land Use	Date	Group ID
B	151m SE	Goods Shed	1968	937712
B	152m SE	Goods Shed	1938	937712
B	152m SE	Goods Shed	1933	937712
I	158m S	Cuttings	1956	874289
D	168m NW	Unspecified Commercial/Industrial	1923	796759
D	177m NW	Unspecified Works	1985	987762
D	177m NW	Unspecified Works	1991	905493
J	180m E	Unspecified Mills	1938	983499
G	181m N	Railway Sidings	1891	925215
D	181m W	Oil Works	1921	952223
D	182m NW	Unspecified Works	1968	878038
B	183m E	Railway Building	1923	820484
B	185m SE	Goods Shed	1921	961127
D	186m NW	Oil Works	1923	952223
B	188m SE	Goods Shed	1923	961127
D	188m NW	Unspecified Works	1978	890255
J	191m NE	Unspecified Works	1891	830469
B	191m SE	Railway Building	1968	820480
D	198m W	Unspecified Tank	1906	940002
D	198m W	Unspecified Tank	1938	937017
D	199m W	Unspecified Tank	1923	910877
B	200m SE	Unspecified Works	1985	930707
B	200m SE	Unspecified Works	1991	930707
4	205m SE	Railway Building	1891	820479
L	229m SW	Unspecified Works	1985	975823
L	229m SW	Unspecified Works	1991	975823
D	232m W	Unspecified Heap	1956	875105
D	232m W	Unspecified Heap	1968	875105



ID	Location	Land Use	Date	Group ID
D	234m W	Unspecified Ground Workings	1891	971049
J	237m E	Unspecified Mills	1923	915992
M	239m NE	Unspecified Ground Workings	1921	968041
M	239m NE	Unspecified Ground Workings	1906	968041
M	239m NE	Unspecified Ground Workings	1923	968041
K	241m S	Unspecified Works	1978	830478
D	242m NW	Unspecified Ground Workings	1968	800627
D	244m W	Unspecified Ground Workings	1938	951822
D	244m W	Unspecified Ground Workings	1933	923784
D	244m W	Unspecified Ground Workings	1921	923784
D	244m W	Unspecified Ground Workings	1906	923784
D	244m W	Unspecified Ground Workings	1923	923784
H	245m NW	Gas Works	1985	895751
J	245m E	Unspecified Mill	1968	810300
N	246m W	Cotton Mills	1851	862251
O	247m E	Unspecified Works	1978	979111
O	249m E	Unspecified Works	1968	979111
D	257m W	Unspecified Tank	1921	973359
D	257m W	Unspecified Tank	1906	973359
D	257m W	Unspecified Tank	1938	973359
D	257m W	Unspecified Tank	1933	973359
N	257m W	Unspecified Works	1968	830456
D	259m W	Unspecified Tank	1923	973359
B	260m SE	Railway Building	1938	820483
D	263m W	Unspecified Tank	1921	973359
D	263m W	Unspecified Tank	1906	973359
D	263m W	Unspecified Tank	1938	973359
D	263m W	Unspecified Tank	1933	973359



ID	Location	Land Use	Date	Group ID
D	266m W	Unspecified Tank	1921	879635
D	266m W	Unspecified Tank	1906	879635
D	266m W	Unspecified Tank	1938	882390
D	266m W	Unspecified Tank	1933	882390
D	266m W	Unspecified Tank	1923	920137
J	268m E	Unspecified Mills	1921	903508
J	268m E	Unspecified Mills	1933	971458
D	269m W	Unspecified Tank	1923	946622
H	270m NW	Gas Works	1991	895751
H	271m NW	Gas Work	1978	814479
D	272m W	Unspecified Tank	1921	946622
D	272m W	Unspecified Tank	1906	946622
D	272m W	Unspecified Tank	1938	946622
D	272m W	Unspecified Tank	1933	946622
H	274m NW	Unspecified Commercial/Industrial	1956	916012
H	274m NW	Unspecified Works	1968	830458
D	275m W	Unspecified Tank	1923	953286
B	275m E	Unspecified Works	1978	935747
B	275m E	Unspecified Works	1991	964432
B	275m E	Unspecified Works	1968	935747
P	275m E	Iron Works	1956	988439
H	276m NW	Gas Stove Works	1921	899437
H	276m NW	Raising Works	1906	806704
H	276m NW	Unspecified Commercial/Industrial	1891	917862
H	276m NW	Unspecified Commercial/Industrial	1938	909305
H	276m NW	Unspecified Commercial/Industrial	1933	909305
H	276m NW	Gas Stove Works	1923	899437
B	280m SE	Iron Works	1921	859582



ID	Location	Land Use	Date	Group ID
B	280m SE	Iron Works	1923	859582
Q	280m NW	Unspecified Mills	1985	922374
Q	280m NW	Unspecified Mills	1978	912751
Q	280m NW	Unspecified Mills	1991	922374
Q	280m NW	Unspecified Mills	1968	912751
R	281m NW	Unspecified Mills	1956	914363
R	282m NW	Unspecified Mills	1921	966437
R	282m NW	Unspecified Mills	1938	963506
I	283m S	Cuttings	1938	928101
I	283m S	Cuttings	1933	928101
I	283m S	Cuttings	1921	928101
I	283m S	Cuttings	1906	928101
I	283m S	Cuttings	1891	884725
R	283m NW	Unspecified Mills	1923	989977
B	283m E	Unspecified Works	1985	912707
I	284m S	Cuttings	1923	902699
B	286m SE	Iron Works	1906	914404
B	286m SE	Iron Works	1891	914404
B	286m SE	Iron Works	1938	850007
B	286m SE	Iron Works	1933	850007
H	287m NW	Gasometers	1991	983680
H	292m NW	Gasometer	1921	941154
H	292m NW	Unspecified Tank	1906	918029
H	292m NW	Unspecified Tank	1938	938620
H	292m NW	Unspecified Tank	1933	938620
H	292m NW	Gasometer	1923	941154
5	293m SE	Coal Pit	1851	808490
H	293m N	Unspecified Tank	1891	927485

ID	Location	Land Use	Date	Group ID
H	293m NW	Gasometer	1985	979918
H	295m N	Unspecified Tank	1921	909386
H	295m N	Unspecified Tank	1906	909386
H	295m N	Unspecified Tank	1938	927958
H	295m N	Unspecified Tank	1933	927958
H	295m N	Gasometer	1923	809782
H	295m NW	Brick Field	1851	817949
H	296m NW	Unspecified Tanks	1956	922346
H	296m NW	Gasometers	1978	916494
H	296m NW	Unspecified Tanks	1968	922346
H	313m N	Unspecified Tank	1921	850837
H	313m N	Unspecified Tank	1906	850837
H	313m N	Gasometer	1923	809785
H	313m N	Unspecified Tank	1891	972082
H	318m NW	Gasometer	1985	850148
H	328m NW	Unspecified Tank	1938	889468
H	328m NW	Unspecified Tank	1933	889468
B	332m E	Goods Station	1921	883795
B	332m E	Goods Station	1938	948277
B	332m E	Goods Station	1933	948277
H	332m N	Unspecified Pit	1938	883057
H	332m N	Unspecified Pit	1933	883057
B	333m E	Goods Station	1923	957584
J	339m E	Coal Pits	1851	802165
G	342m N	Unspecified Tanks	1923	981777
U	342m N	Refuse Heap	1891	829115
H	343m N	Unspecified Tank	1921	974232
H	343m N	Unspecified Tank	1906	974232



ID	Location	Land Use	Date	Group ID
H	343m N	Gasometer	1923	809783
H	343m N	Unspecified Tank	1891	916313
G	344m N	Unspecified Tanks	1921	981777
B	345m E	Railway Building	1891	820481
H	358m N	Unspecified Pit	1938	988822
H	358m N	Unspecified Pit	1933	988822
H	359m N	Unspecified Tank	1891	940326
H	363m N	Unspecified Tank	1921	854180
H	363m N	Unspecified Tank	1906	854180
H	363m N	Gasometer	1923	809781
I	371m S	Cuttings	1905	856912
B	372m E	Goods Station	1956	821665
V	372m S	Cuttings	1938	923593
V	372m S	Cuttings	1934	928101
V	372m S	Cuttings	1915	907527
H	374m N	Brick Works	1891	818774
B	375m E	Railway Building	1968	820497
H	386m N	Unspecified Works	1968	830459
W	391m W	Brick Field	1851	817950
7	391m SE	Unspecified Works	1978	830479
B	394m E	Railway Buildings	1923	833670
J	395m E	Coal Pits	1851	802164
B	400m E	Railway Building	1938	820482
8	401m W	Cotton Mills	1851	862251
B	403m E	Goods Station	1956	896579
B	403m E	Goods Station	1968	896579
P	403m E	Unspecified Commercial/Industrial	1923	967281
P	406m E	Unspecified Commercial/Industrial	1938	879239



ID	Location	Land Use	Date	Group ID
P	406m E	Unspecified Commercial/Industrial	1933	879239
X	406m SW	Unspecified Pit	1991	840535
9	408m NW	Brick Kilns	1851	827898
H	409m N	Unspecified Commercial/Industrial	1851	881841
10	411m N	Coal Pit	1851	808495
P	412m E	Unspecified Commercial/Industrial	1891	895595
P	413m E	Unspecified Commercial/Industrial	1978	895595
P	413m E	Unspecified Works	1968	868023
T	419m NE	Unspecified Tanks	1921	989875
T	419m NE	Unspecified Tanks	1906	989875
T	419m NE	Unspecified Tank	1938	963475
T	419m NE	Unspecified Tank	1933	963475
T	419m NE	Unspecified Tanks	1923	989875
P	421m E	Unspecified Works	1985	988793
T	421m NE	Unspecified Tanks	1923	938396
T	423m NE	Unspecified Tanks	1921	939998
T	423m NE	Unspecified Tank	1938	919997
T	423m NE	Unspecified Tank	1933	919997
T	424m NE	Unspecified Tanks	1968	869704
T	427m NE	Unspecified Tanks	1978	869704
T	430m NE	Unspecified Tanks	1921	959046
T	430m NE	Unspecified Tanks	1906	959046
T	430m NE	Unspecified Tank	1938	903443
T	430m NE	Unspecified Tank	1933	903443
T	430m NE	Unspecified Tanks	1923	959046
W	434m W	Unspecified Mill	1938	920927
T	437m NE	Unspecified Pit	1921	895806
T	437m NE	Unspecified Pit	1906	895806



ID	Location	Land Use	Date	Group ID
T	437m NE	Unspecified Pit	1923	895806
V	438m S	Cuttings	1923	976828
V	438m S	Cuttings	1905	911532
H	441m N	Coal Pit	1851	808504
W	444m W	Unspecified Commercial/Industrial	1985	918075
W	444m W	Unspecified Commercial/Industrial	1991	918075
W	446m W	Chimney	1985	959165
W	446m W	Chimney	1991	959165
W	447m W	Unspecified Commercial/Industrial	1956	899187
Z	450m E	Colliery	1891	971185
AA	452m E	Unspecified Works	1968	830468
Z	460m E	Colliery	1851	887196
AA	461m E	Smallwares Mill	1851	834636
H	463m N	Unspecified Pit	1906	840536
T	465m NE	Gas Work	1978	945176
T	465m NE	Gas Work	1968	945176
T	467m NE	Gasometer	1978	908225
T	467m NE	Gasometer	1968	908225
P	470m E	Unspecified Tank	1923	825296
T	470m NE	Gasometer	1923	809784
T	478m NE	Unspecified Tanks	1923	815395
AD	494m W	Unspecified Mill	1921	941996
AD	494m W	Unspecified Mill	1938	974727
AD	494m W	Unspecified Mill	1933	974727
AD	496m W	Unspecified Mill	1923	926128
Z	496m E	Colliery	1923	878194
Z	496m E	Colliery	1921	878194
Z	496m E	Colliery	1906	878194

This data is sourced from Ordnance Survey / Groundsure.



2.2 Historical tanks

Records within 500m

225

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 33](#) >

ID	Location	Land Use	Date	Group ID
A	21m N	Unspecified Tank	1908	116129
A	24m N	Tank or Trough	1908	121466
A	29m NE	Unspecified Tank	1931	116127
A	59m N	Tanks	1931	140274
A	61m N	Tanks	1948	136522
A	61m N	Tanks	1955	136522
C	90m W	Tanks	1992	106808
C	90m W	Unspecified Tank	1989	116128
G	102m N	Gas Works	1948	140627
G	103m N	Gas Works	1922	144191
G	105m N	Gas Works	1908	144191
G	111m N	Gas Works	1948	140627
G	114m N	Tanks	1931	132624
G	119m N	Tanks	1948	132624
C	140m S	Unspecified Tank	1979	116137
H	141m N	Gas Works	1893	123389
G	142m N	Gas Works	1891	135095
G	142m N	Overhead Tanks	1948	120513
G	151m N	Tanks	1979	106890
G	154m N	Tanks	1979	143974
G	155m N	Tanks	1958	143974
G	155m N	Tanks	1955	143974
G	158m N	Tanks	1979	106893



ID	Location	Land Use	Date	Group ID
G	158m N	Unspecified Tank	1891	116115
G	172m N	Tanks	1948	106896
G	173m NE	Unspecified Tank	1948	116113
F	178m SW	Unspecified Tank	1979	116138
F	178m SW	Unspecified Tank	1979	126647
F	178m SW	Unspecified Tank	1983	132385
F	179m SW	Unspecified Tank	1980	142018
D	193m W	Unspecified Tank	1908	127771
D	193m W	Unspecified Tank	1922	127771
D	193m W	Unspecified Tank	1931	127771
D	194m W	Tanks	1908	145285
D	194m W	Tanks	1922	145285
G	197m N	Unspecified Tank	1948	116052
D	198m W	Tanks	1931	106806
3	202m E	Tanks	1891	106807
D	203m W	Unspecified Tank	1891	116124
D	204m NW	Unspecified Tank	1979	140187
D	205m NW	Unspecified Tank	1948	140187
D	205m NW	Unspecified Tank	1955	140187
G	206m N	Unspecified Tank	1979	141260
G	206m N	Unspecified Tank	1955	140162
D	206m NW	Unspecified Tank	1931	116118
G	206m N	Unspecified Tank	1958	140162
D	206m W	Unspecified Tank	1908	116125
D	207m NW	Unspecified Tank	1891	116114
H	208m N	Unspecified Tank	1908	147259
H	208m N	Unspecified Tank	1922	147259
D	208m W	Tanks	1979	134652



ID	Location	Land Use	Date	Group ID
H	209m N	Unspecified Tank	1948	116051
D	209m W	Tanks	1979	129820
D	210m W	Tanks	1948	134652
D	210m W	Tanks	1955	134652
D	210m NW	Unspecified Tank	1986	127783
D	210m W	Tanks	1931	127904
D	211m NW	Unspecified Tank	1989	127783
D	211m W	Tanks	1948	128195
D	211m W	Tanks	1955	127968
D	211m W	Unspecified Tank	1891	116123
D	212m W	Unspecified Tank	1908	116120
D	212m NW	Unspecified Tank	1891	116116
D	212m W	Tanks	1979	139173
D	214m W	Unspecified Tank	1908	116126
D	214m W	Tanks	1948	134210
D	214m W	Tanks	1955	134210
D	214m NW	Unspecified Tank	1931	116119
D	214m NW	Unspecified Tank	1979	122787
D	215m W	Tanks	1979	140447
D	215m W	Tanks	1986	140447
D	215m NW	Unspecified Tank	1948	125105
D	215m NW	Unspecified Tank	1955	125105
D	217m NW	Unspecified Tank	1891	116117
D	219m W	Tanks	1948	125836
D	219m W	Tanks	1989	125836
D	219m W	Tanks	1955	125836
G	221m NE	Unspecified Tank	1891	116096
H	226m N	Unspecified Tank	1948	116053



ID	Location	Land Use	Date	Group ID
D	229m W	Tanks	1948	130116
D	229m W	Tanks	1955	130116
D	236m W	Unspecified Tank	1979	144042
D	237m W	Unspecified Tank	1948	144042
D	237m W	Unspecified Tank	1955	144042
G	238m NE	Unspecified Tank	1891	116097
D	240m W	Unspecified Tank	1979	142816
D	241m W	Unspecified Tank	1948	147680
D	241m W	Unspecified Tank	1955	141710
G	242m N	Unspecified Tank	1948	125740
D	242m W	Unspecified Tank	1931	116121
G	242m NE	Unspecified Tank	1948	116095
H	243m N	Tanks	1948	106892
G	248m N	Unspecified Tank	1891	147647
D	251m W	Tanks	1948	106809
G	252m NE	Unspecified Tank	1891	116098
G	252m NE	Unspecified Tank	1931	116099
G	254m NE	Tanks	1948	106898
D	255m W	Tanks	1922	134829
D	255m W	Tanks	1931	134829
D	256m W	Tanks	1908	143683
H	259m N	Tanks	1948	106891
D	262m W	Unspecified Tank	1908	122777
D	262m W	Unspecified Tank	1922	138312
D	262m W	Unspecified Tank	1931	138312
H	267m N	Tanks	1922	142950
H	267m N	Tanks	1931	142950
G	273m N	Tanks	1931	106897



ID	Location	Land Use	Date	Group ID
H	276m NW	Gas Holder Station	1986	143674
H	276m NW	Gas Holder Station	1992	124051
H	277m NW	Gas Works	1979	124342
H	278m NW	Gas Holder Station	1989	143674
J	279m E	Unspecified Tank	1891	116112
H	280m N	Tanks	1908	124443
G	283m N	Unspecified Tank	1948	122403
G	283m N	Unspecified Tank	1955	122403
G	283m N	Unspecified Tank	1979	122403
H	286m N	Unspecified Tank	1948	116054
H	290m NW	Overhead Tanks	1948	120512
H	291m NW	Gasometer	1908	144489
H	291m NW	Gasometer	1922	144489
H	291m NW	Unspecified Tank	1931	128987
N	292m W	Unspecified Tank	1891	116122
N	292m W	Unspecified Tank	1948	138415
N	292m W	Unspecified Tank	1955	138415
H	296m N	Unspecified Tank	1931	116055
H	296m NW	Gas Holder	1986	149177
H	296m NW	Unspecified Tank	1958	145921
H	297m NW	Gasometers	1979	108903
H	297m NW	Gasholder	1992	120428
H	297m N	Gasometer	1891	108529
H	298m NW	Unspecified Tank	1948	139971
H	298m NW	Gas Holder	1989	149177
H	298m NW	Unspecified Tank	1955	139971
H	298m N	Gasometers	1893	146932
H	298m N	Gasometers	1908	146932



ID	Location	Land Use	Date	Group ID
H	298m N	Gasometers	1922	146932
G	298m N	Tanks	1948	106895
G	299m N	Tanks	1948	106894
H	304m NW	Tanks	1986	144183
H	305m NW	Tanks	1992	144183
H	306m NW	Tanks	1989	144183
H	328m NW	Unspecified Tank	1931	148893
H	329m NW	Gas Holder	1986	140988
H	329m NW	Gasholder	1992	120429
H	330m NW	Unspecified Tank	1958	123472
H	331m NW	Unspecified Tank	1948	147701
H	331m NW	Gas Holder	1989	140988
H	331m NW	Unspecified Tank	1955	147701
T	336m N	Gas Works	1949	140627
T	336m N	Gas Works	1970	130205
T	338m N	Gas Works	1968	130205
H	339m N	Gas Holder Station	1995	128430
H	339m N	Gas Holder Station	1994	128430
H	339m N	Gas Holder Station	1991	128430
G	342m N	Tanks	1922	141453
H	343m N	Tanks	1992	136167
H	343m N	Tanks	1986	136167
H	343m N	Tanks	1989	138546
H	347m N	Gasometer	1891	108530
H	350m N	Unspecified Tank	1995	143443
H	350m N	Unspecified Tank	1994	143443
H	350m N	Unspecified Tank	1991	137585
J	359m NE	Tanks	1979	106922



ID	Location	Land Use	Date	Group ID
G	362m N	Tanks	1931	141453
H	362m N	Gas Works	1949	130918
H	365m N	Gasometer	1891	108531
G	367m N	Unspecified Tank	1949	116094
6	378m W	Tanks	1931	106803
B	379m E	Tanks	1955	143448
B	380m E	Tanks	1979	143448
B	380m E	Tanks	1987	143448
H	381m N	Gas Works	1970	146054
H	381m N	Gas Works	1968	146054
H	381m N	Gas Works	1952	141387
H	381m N	Gas Works	1948	141387
H	382m N	Gas Works	1984	140774
B	412m SE	Tank or Trough	1908	121467
T	419m NE	Unspecified Tank	1970	133963
T	419m NE	Tanks	1922	135092
T	419m NE	Tanks	1931	135092
T	419m NE	Unspecified Tank	1968	133963
T	420m NE	Tanks	1908	147035
T	420m NE	Tanks	1922	147035
T	420m NE	Tanks	1931	147035
T	422m NE	Tanks	1948	132522
T	424m NE	Tanks	1958	130892
T	424m NE	Tanks	1948	130892
T	424m NE	Tanks	1955	130892
T	426m NE	Tanks	1922	148520
T	426m NE	Tanks	1931	148520
T	432m NE	Tanks	1948	137971



ID	Location	Land Use	Date	Group ID
T	432m NE	Unspecified Tank	1955	116102
T	435m NE	Unspecified Tank	1970	125026
T	436m NE	Unspecified Tank	1968	125026
T	437m NE	Tanks	1949	130892
T	437m NE	Unspecified Tank	1968	116101
T	441m NE	Unspecified Tank	1931	116100
Y	444m W	Unspecified Tank	1958	147176
Y	445m W	Unspecified Tank	1955	147176
T	446m NE	Tanks	1949	106927
U	446m N	Unspecified Tank	1968	129294
U	446m N	Unspecified Tank	1970	129294
T	450m NE	Tanks	1949	106926
T	454m NE	Tanks	1949	106930
W	454m W	Tanks	1958	128872
W	455m W	Tanks	1948	128872
W	455m W	Tanks	1955	128872
T	459m NE	Tanks	1949	106925
T	475m NE	Unspecified Tank	1970	116093
T	476m NE	Tanks	1968	131109
T	476m NE	Unspecified Tank	1908	144275
T	476m NE	Unspecified Tank	1922	144275
T	476m NE	Tanks	1970	123034
W	481m W	Unspecified Tank	1948	115996
W	484m W	Unspecified Tank	1965	138789
W	484m W	Unspecified Tank	1967	138789
W	485m W	Unspecified Tank	1963	138789
T	485m NE	Tanks	1908	136314
T	485m NE	Tanks	1922	136314



ID	Location	Land Use	Date	Group ID
T	485m NE	Tanks	1931	136314
T	486m NE	Unspecified Tank	1931	116091
T	491m NE	Tanks	1949	106929
W	492m W	Unspecified Tank	1922	115986
W	494m W	Unspecified Tank	1931	115987
11	496m E	Unspecified Tank	1893	116139

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m

87

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 33](#) >

ID	Location	Land Use	Date	Group ID
A	19m N	Electricity Substation	1989	83931
A	20m N	Electricity Substation	1992	65320
A	20m N	Electricity Substation	1979	65320
A	20m N	Electricity Substation	1986	65320
A	20m N	Electricity Substation	1955	65320
G	102m N	Gas Works	1948	85321
G	103m N	Gas Works	1922	77534
C	104m S	Electricity Substation	1979	67641
C	104m S	Electricity Substation	1986	67641
G	105m N	Gas Works	1908	77534
C	105m S	Electricity Substation	1989	67641
C	105m S	Electricity Substation	1992	67641
G	111m N	Gas Works	1948	85321
H	141m N	Gas Works	1893	80210



ID	Location	Land Use	Date	Group ID
G	142m N	Gas Works	1891	73418
H	269m NW	Corporation Gas Works	1891	79203
H	276m NW	Gas Holder Station	1986	65294
H	276m NW	Gas Holder Station	1992	79718
H	277m NW	Gas Works	1979	64728
H	278m NW	Gas Holder Station	1989	65294
H	285m NW	Corporation Gas Works	1891	79203
S	286m SE	Electricity Substation	1995	66724
S	287m SE	Electricity Substation	1983	66724
S	287m SE	Electricity Substation	1979	66724
J	290m E	Electricity Substation	1995	84614
J	290m E	Electricity Substation	1955	84614
H	291m NW	Gasometer	1908	70420
H	291m NW	Gasometer	1922	70420
J	291m E	Electricity Sub-Station	1979	77947
J	291m E	Electricity Sub-Station	1987	77947
J	291m E	Electricity Sub-Station	1991	77947
H	296m NW	Gas Holder	1986	77108
H	297m NW	Gasometers	1979	63338
H	297m NW	Gasholder	1992	63416
H	297m N	Gasometer	1891	59722
H	298m NW	Gas Holder	1989	77108
H	298m N	Gasometers	1893	78993
H	298m N	Gasometers	1908	78993
H	298m N	Gasometers	1922	78993
N	302m W	Electricity Substation	1955	62198
H	329m NW	Gas Holder	1986	74103
H	329m NW	Gasholder	1992	63417



ID	Location	Land Use	Date	Group ID
H	331m NW	Gas Holder	1989	74103
T	336m N	Gas Works	1949	85321
T	336m N	Gas Works	1970	85321
T	338m N	Gas Works	1968	85321
H	339m N	Gas Holder Station	1995	83257
H	339m N	Gas Holder Station	1994	83257
H	339m N	Gas Holder Station	1991	83257
H	347m N	Gasometer	1891	59723
H	362m N	Gas Works	1949	66752
H	365m N	Gasometer	1891	59724
H	381m N	Gas Works	1970	74752
H	381m N	Gas Works	1968	74752
H	381m N	Gas Works	1952	74752
H	381m N	Gas Works	1948	74752
H	382m N	Gas Works	1984	71264
J	383m NE	Electricity Substation	1979	62200
J	394m NE	Electricity Substation	1948	69850
J	394m NE	Electricity Substation	1955	69850
X	402m SW	Electricity Substation	1979	64694
X	402m SW	Electricity Substation	1983	64694
X	402m SW	Electricity Substation	1986	64694
X	403m SW	Electricity Substation	1980	64694
X	403m SW	Electricity Substation	1987	64694
X	403m SW	Electricity Substation	1948	64694
X	405m SW	Electricity Substation	1993	72378
W	451m W	Electricity Substation	1979	70235
W	451m W	Electricity Substation	1986	70235
W	452m W	Electricity Substation	1992	70235



ID	Location	Land Use	Date	Group ID
W	452m W	Electricity Substation	1955	70235
W	452m W	Electricity Substation	1989	81416
AB	454m SW	Electricity Substation	1979	77400
AB	454m SW	Electricity Substation	1983	77400
AB	454m SW	Electricity Substation	1986	77400
AB	455m SW	Electricity Substation	1980	76796
AB	455m SW	Electricity Substation	1987	76796
AB	455m SW	Electricity Substation	1993	67076
AC	485m NW	Electricity Substation	1970	74990
AC	485m NW	Electricity Substation	1968	74990
AC	486m NW	Electricity Substation	1984	74990
AE	495m S	Electricity Substation	1983	78935
AE	495m S	Electricity Substation	1995	78935
AC	495m NW	Electricity Substation	1995	74979
AC	495m NW	Electricity Substation	1994	74979
AC	495m NW	Electricity Substation	1991	74979
AE	495m S	Electricity Substation	1979	78935

This data is sourced from Ordnance Survey / Groundsure.

2.4 Historical petrol stations

Records within 500m	0
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Petrol stations digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

This data is sourced from Ordnance Survey / Groundsure.



2.5 Historical garages

Records within 500m

5

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'.

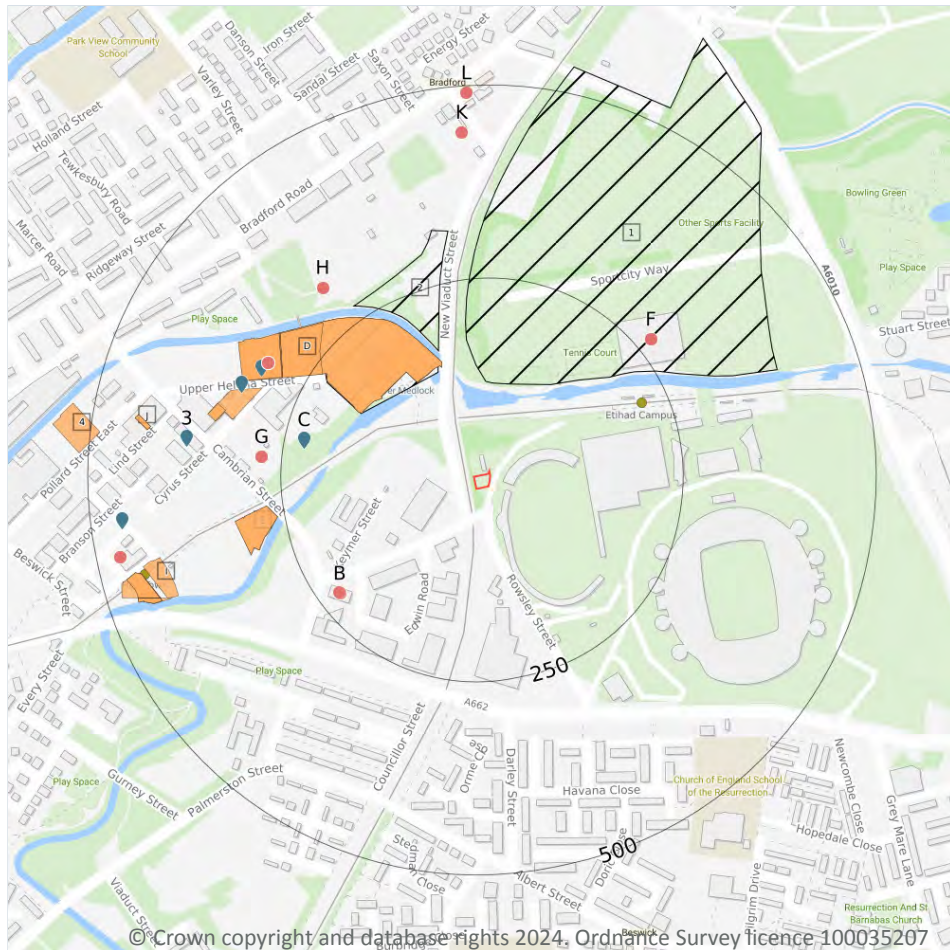
Features are displayed on the Past land use - un-grouped map on [page 33](#) >

ID	Location	Land Use	Date	Group ID
C	142m S	Garage	1986	20751
K	202m S	Garage	1983	24112
Y	445m W	Garage	1992	23945
Y	445m W	Garage	1986	25656
Y	446m W	Garage	1989	25656

This data is sourced from Ordnance Survey / Groundsure.



3 Waste and landfill



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

3.1 Active or recent landfill

Records within 500m

0

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

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

3.2 Historical landfill (BGS records)

Records within 500m

0

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

This data is sourced from the British Geological Survey.



3.3 Historical landfill (LA/mapping records)

Records within 500m	0
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Landfill sites identified from Local Authority records and high detail historical mapping.

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

3.4 Historical landfill (EA/NRW records)

Records within 500m	3
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Known historical (closed) landfill sites (e.g. sites where there is no PPC permit or waste management licence currently in force). This includes sites that existed before the waste licensing regime and sites that have been licensed in the past but where a licence has been revoked, ceased to exist or surrendered and a certificate of completion has been issued.

Features are displayed on the Waste and landfill map on [page 58 >](#)

ID	Location	Details		
1	114m N	Site Address: Bradford Road Works, Bradeley Hall Road, Haslington, Crewe, Cheshire Licence Holder Address: Welman House, Altrincham, Cheshire	Waste Licence: Yes Site Reference: RD/LIC/180/79, GDO F058, 0381 Waste Type: Inert, Industrial, Special Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 07/12/1979 Licence Surrender: 14/12/1983	Operator: - Licence Holder: North West Gas First Recorded 07/12/1979 Last Recorded: 01/12/1983
A	140m NW	Site Address: Bradford Road - Cambrian Street Depot, Greater Manchester Licence Holder Address: -	Waste Licence: Yes Site Reference: F044, RD/LIC/381/84 Waste Type: Inert Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 10/10/1985 Licence Surrender: 09/03/1993	Operator: - Licence Holder: Regional Surveyore (North West Gas) First Recorded 31/12/1985 Last Recorded: 31/12/1990
2	169m N	Site Address: New Viaduct Street, Greater Manchester Licence Holder Address: -	Waste Licence: - Site Reference: F045 Waste Type: - Environmental Permitting Regulations (Waste) Reference: - Licence Issue: - Licence Surrender: -	Operator: - Licence Holder: - First Recorded - Last Recorded: -

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

3.5 Historical waste sites

Records within 500m

21

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 58 >](#)

ID	Location	Address	Further Details	Date
A	141m NW	Site Address: N/A	Type of Site: Refuse Destructor Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1958
A	142m NW	Site Address: N/A	Type of Site: Corporation Refuse Destructor Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1948
A	142m NW	Site Address: N/A	Type of Site: Refuse Destructor Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1955
D	236m NW	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1986
E	258m W	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
E	259m W	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1988
D	278m NW	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1986



ID	Location	Address	Further Details	Date
D	279m NW	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
D	279m NW	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1988
D	296m NW	Site Address: N/A	Type of Site: Scrap Metal Works Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1979
D	332m W	Site Address: N/A	Type of Site: Scrap Metal Works Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1955
I	409m W	Site Address: N/A	Type of Site: Scrap Metal Works Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1955
I	418m W	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
J	423m W	Site Address: N/A	Type of Site: Waste Paper Works Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1948
J	423m W	Site Address: N/A	Type of Site: Waste Paper Works Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1955
I	431m W	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1986



ID	Location	Address	Further Details	Date
I	432m W	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1987
I	432m W	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1986
I	432m W	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
I	433m W	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1988
4	487m W	Site Address: N/A	Type of Site: Waste Paper Mills Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1931

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

3.6 Licensed waste sites

Records within 500m	8
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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 58](#) >



ID	Location	Details		
C	224m W	Site Name: P Mc Guinness & Co Ltd Site Address: Holt Town Ind Est, Holt Town, Manchester, M40 7FQ Correspondence Address: -	Type of Site: Special Waste Transfer Station Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: MPC001 EPR reference: EA/EPR/JP3892CY/S002 Operator: Mc Guinness & Co Ltd Waste Management licence No: 53629 Annual Tonnage: 50000	Issue Date: 03/11/1995 Effective Date: - Modified: - Surrendered Date: Jun 26 2002 12:00AM Expiry Date: - Cancelled Date: - Status: Surrendered
C	224m W	Site Name: P Mc Guinness & Co Ltd Site Address: Holt Town Ind Est, Holt Town, Manchester, Manchester, M40 7FQ Correspondence Address: -	Type of Site: Special Waste Transfer Station Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 653845 EPR reference: EA/EPR/JP3892CY Operator: P. McGuinness And Company Limited Waste Management licence No: 53629 Annual Tonnage: 50000	Issue Date: 03/11/1995 Effective Date: 03/11/1995 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Surrendered
D	309m NW	Site Name: D Race & Sons Site Address: Upper Helena Street, Manchester, Manchester, M40 7EQ Correspondence Address: -	Type of Site: Metal Recycling Site (mixed MRS's) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 654921 EPR reference: EA/EPR/MP3992CS Operator: Dennis Race Waste Management licence No: 53429 Annual Tonnage: 5000	Issue Date: 18/11/1999 Effective Date: 18/11/1999 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Surrendered
D	324m W	Site Name: Upper Helena Street Site Address: - Correspondence Address: Bradley Hall Farm, Rhodes Green, Middleton, Manchester, M24 4SL	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: WAR001 EPR reference: - Operator: Warrender David Waste Management licence No: 50069 Annual Tonnage: 0	Issue Date: 16/05/2001 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued



ID	Location	Details		
D	324m W	Site Name: Upper Helena Street Site Address: - Correspondence Address: Bradley Hall Farm, Rhodes Green, Middleton, Manchester, M24 4SL	Type of Site: Household, Commercial & Industrial Waste T Stn Size: Unknown Environmental Permitting Regulations (Waste) Licence Number: WAR001 EPR reference: - Operator: Warrender David Waste Management licence No: 50069 Annual Tonnage: 0	Issue Date: 16/05/2001 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
3	375m W	Site Name: Olympia Motor Services Site Address: 1 Union Mill, Cambrian Street, Ancoats, Manchester, Manchester, M40 7EG Correspondence Address: -	Type of Site: Metal Recycling Site (Vehicle Dismantler) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 640157 EPR reference: EA/EPR/VP3594CG Operator: Paul Hurstfield Waste Management licence No: 50405 Annual Tonnage: 1040	Issue Date: 07/06/2005 Effective Date: 07/06/2005 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Expired
I	459m W	Site Name: Lumns Lane, Clifton Junction, Swinton Site Address: Upper Helena Street, Manchester, Manchester, M40 7EQ Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 632829 EPR reference: EA/EPR/VP3098CU Operator: Murray Mills Conservation Limited Waste Management licence No: 50069 Annual Tonnage: 24999	Issue Date: 16/05/2001 Effective Date: 16/05/2001 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Expired
I	459m W	Site Name: Lumns Lane, Clifton Junction, Swinton Site Address: Upper Helena Street, Manchester, Manchester, M40 7EQ Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 632829 EPR reference: EA/EPR/VP3098CU Operator: Murray Mills Conservation Limited Waste Management licence No: 50069 Annual Tonnage: 24999	Issue Date: 16/05/2001 Effective Date: 16/05/2001 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

Records within 500m	34
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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 58 >](#)

ID	Location	Site	Reference	Category	Sub-Category	Description
B	223m SW	30, PHILIPS PARK ROAD, MANCHESTER, M11 3FX	WEX278736	Treating waste exemption	Not on a farm	Aerobic composting and associated prior treatment
B	223m SW	30, PHILIPS PARK ROAD, MANCHESTER, M11 3FX	WEX137238	Treating waste exemption	Not on a farm	Aerobic composting and associated prior treatment
B	223m SW	30, PHILIPS PARK ROAD, MANCHESTER, M11 3FX	WEX243791	Treating waste exemption	Not on a farm	Aerobic composting and associated prior treatment
B	224m SW	30 Philips Park Road MANCHESTER M11 3FX	EPR/RE5746ZT /A001	Treating waste exemption	Non-Agricultural Waste Only	Aerobic composting and associated prior treatment
F	269m NE	-	WEX269478	Using waste exemption	Not on a farm	Use of waste in construction
F	269m NE	BAM Project Office, CFG Campus, Off Gibbon Street / Alan Turing Way, Manchester, M11 3DU	WEX253830	Treating waste exemption	Not on a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
F	269m NE	BAM Project Office, CFG Campus, Off Gibbon Street / Alan Turing Way, Manchester, M11 3DU	WEX253830	Using waste exemption	Not on a farm	Use of mulch
G	276m W	Yard 1a Hilton ind estate Cambrian street Manchester England M40 7eg	EPR/QF0433JP /A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of waste in secure containers
G	276m W	Yard 1a Hilton ind estate Cambrian street Manchester England M40 7eg	EPR/QF0433JP /A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of waste in a secure place

ID	Location	Site	Reference	Category	Sub-Category	Description
G	276m W	Yard 1a Hilton ind estate Cambrian street Manchester England M40 7eg	EPR/QF0433JP /A001	Treating waste exemption	Non- Agricultura l Waste Only	Recovery of scrap metal
G	276m W	Yard 1a Hilton ind estate Cambrian street Manchester England M40 7eg	EPR/QF0433JP /A001	Using waste exemption	Non- Agricultura l Waste Only	Use of depolluted end-of-life vehicles for vehicle parts
D	305m NW	5f Upper Helena Street MANCHESTER M40 7EQ	EPR/KF0202M C/A001	Using waste exemption	Non- Agricultura l Waste Only	Use of waste in construction
D	305m NW	5f Upper Helena Street MANCHESTER M40 7EQ	EPR/KF0202M C/A001	Storing waste exemption	Non- Agricultura l Waste Only	Storage of waste in secure containers
D	305m NW	5f Upper Helena Street MANCHESTER M40 7EQ	EPR/KF0202M C/A001	Treating waste exemption	Non- Agricultura l Waste Only	Cleaning, washing, spraying or coating relevant waste
D	305m NW	5f Upper Helena Street MANCHESTER M40 7EQ	EPR/KF0202M C/A001	Treating waste exemption	Non- Agricultura l Waste Only	Preparatory treatments (baling, sorting, shredding etc)
D	305m NW	5f Upper Helena Street MANCHESTER M40 7EQ	EPR/KF0202M C/A001	Treating waste exemption	Non- Agricultura l Waste Only	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
D	305m NW	5f Upper Helena Street MANCHESTER M40 7EQ	EPR/KF0202M C/A001	Treating waste exemption	Non- Agricultura l Waste Only	Mechanical treatment of end-of- life tyres
D	305m NW	5f Upper Helena Street MANCHESTER M40 7EQ	EPR/KF0202M C/A001	Using waste exemption	Non- Agricultura l Waste Only	Use of baled end-of-life tyres in construction
D	305m NW	5f Upper Helena Street MANCHESTER M40 7EQ	EPR/KF0202M C/A001	Treating waste exemption	Non- Agricultura l Waste Only	Sorting mixed waste



ID	Location	Site	Reference	Category	Sub-Category	Description
D	305m NW	5f Upper Helena Street MANCHESTER M40 7EQ	EPR/KF0202M C/A001	Treating waste exemption	Non- Agricultura l Waste Only	Manual treatment of waste
D	305m NW	5f Upper Helena Street MANCHESTER M40 7EQ	EPR/KF0202M C/A001	Treating waste exemption	Non- Agricultura l Waste Only	Screening and blending of waste
D	305m NW	5f Upper Helena Street MANCHESTER M40 7EQ	EPR/KF0202M C/A001	Treating waste exemption	Non- Agricultura l Waste Only	Recovery of scrap metal
H	313m NW	-	WEX366256	Using waste exemption	Not on a farm	Use of waste in construction
H	313m NW	-	WEX381900	Treating waste exemption	Not on a farm	Screening and blending of waste
K	439m N	Apartment 10 7 Stillwater Drive Manchester Manchester M11 4TG	EPR/QF0301VL /A001	Storing waste exemption	Non- Agricultura l Waste Only	Storage of waste in secure containers
K	439m N	Apartment 10 7 Stillwater Drive Manchester Manchester M11 4TG	EPR/QF0301VL /A001	Storing waste exemption	Non- Agricultura l Waste Only	Storage of waste in a secure place
I	471m W	Manchester Joinery and Interiors Limited, Branson Street, Manchester, M40 7FJ	WEX340130	Using waste exemption	Not on a farm	Burning of waste as a fuel in a small appliance
I	471m W	Manchester Joinery and Interiors Limited, Branson Street, Manchester, M40 7FJ	WEX340130	Treating waste exemption	Not on a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
I	471m W	Fire Doors Manchester Limited, Branson Street, Manchester, M40 7FJ	WEX340131	Using waste exemption	Not on a farm	Burning of waste as a fuel in a small appliance
I	471m W	Fire Doors Manchester Limited, Branson Street, Manchester, M40 7FJ	WEX340131	Treating waste exemption	Not on a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising

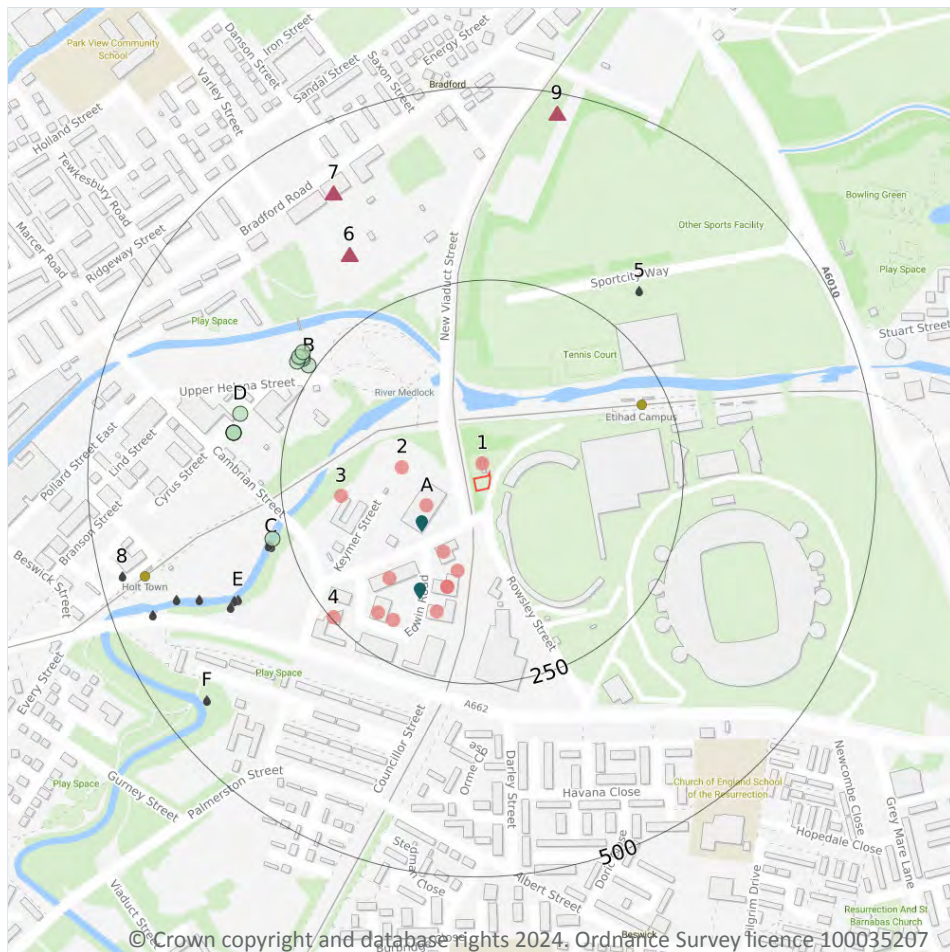


ID	Location	Site	Reference	Category	Sub-Category	Description
I	471m W	Manchester Joinery and Interiors Limited, Branson Street, Manchester, M40 7FJ	WEX340130	Disposing of waste exemption	Not on a farm	Disposal by incineration
I	471m W	Fire Doors Manchester Limited, Branson Street, Manchester, M40 7FJ	WEX340131	Disposing of waste exemption	Not on a farm	Disposal by incineration
L	490m N	The Storage Yard, 1 Barking Street, Manchester, M40 7BT	WEX350834	Storing waste exemption	Not on a farm	Storage of waste in secure containers
L	490m N	The Storage Yard, 1 Barking Street, Manchester, M40 7BT	WEX350834	Storing waste exemption	Not on a farm	Storage of waste in a secure place

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



4 Current industrial land use



- Site Outline
- Search buffers in metres (m)
- Recent industrial land uses
- ▲ Hazardous substance storage/usage
- Licensed pollutant release (Part A(2)/B)
- Licensed Discharges to controlled waters
- Pollution Incidents (EA/NRW)

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 69](#) >

ID	Location	Company	Address	Activity	Category
1	16m N	Electricity Sub Station	Greater Manchester, M11	Electrical Features	Infrastructure and Facilities
A	67m W	Factory	Greater Manchester, M11	Unspecified Works Or Factories	Industrial Features
A	90m SW	tyres	Unit 4, Britannia House, Manchester, Greater Manchester, M11 3ER	Vehicle Parts and Accessories	Motoring



ID	Location	Company	Address	Activity	Category
2	94m W	Tank	Greater Manchester, M11	Tanks (Generic)	Industrial Features
A	106m S	Electricity Sub Station	Greater Manchester, M11	Electrical Features	Infrastructure and Facilities
A	130m S	A & G Garages	Unit 4 26, Edwin Road, Manchester, Greater Manchester, M11 3ER	Vehicle Repair, Testing and Servicing	Repair and Servicing
A	130m S	P & L Industrial Equipment Ltd	Unit 3 26, Edwin Road, Manchester, Greater Manchester, M11 3ER	Special Purpose Machinery and Equipment	Industrial Products
A	160m SW	Autogates North West	1, Edwin Road, Manchester, Greater Manchester, M11 3ER	Fences, Gates and Railings	Industrial Products
A	164m S	Connect Engineering	Thomas Brown House 10, Edwin Road, Manchester, Greater Manchester, M11 3ER	Metalworkers Including Blacksmiths	Construction Services
3	174m W	Mast (Telecommunication)	Greater Manchester, M11	Telecommunications Features	Infrastructure and Facilities
A	199m SW	Industrial Estate	Greater Manchester, M11	Business Parks and Industrial Estates	Industrial Features
A	203m SW	Castors Online	3, Edwin Road, Manchester, Greater Manchester, M11 3ER	Special Purpose Machinery and Equipment	Industrial Products
4	247m SW	A G Motor Care Ltd	Hillkirk House 6-8, Hillkirk Street, Manchester, Greater Manchester, M11 3EZ	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

0

Open, closed, under development and obsolete petrol stations.

This data is sourced from Experian.

4.3 Electricity cables

Records within 500m

0

High voltage underground electricity transmission cables.

This data is sourced from National Grid.



4.4 Gas pipelines

Records within 500m

0

High pressure underground gas transmission pipelines.

This data is sourced from National Grid.

4.5 Sites determined as Contaminated Land

Records within 500m

0

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

This data is sourced from Local Authority records.

4.6 Control of Major Accident Hazards (COMAH)

Records within 500m

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

3

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

Features are displayed on the Current industrial land use map on [page 69](#) >

ID	Location	Details	
6	332m NW	Application reference number: 059225/HSC/NORTH2/00 Application status: Historical Consent Application date: 11/05/2000 Address: Land At Gleden Street, Bradford, WF17 6HY	Details: Continuation Of Hazardous Substances Consent For Storage Of Gas Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
7	412m NW	Application reference number: No Details Application status: Historical Consent Application date: No Details Address: National Grid Gas PLC, Bradford Road Holder Station (West), Bradford Road, Miles Platting, Manchester, Greater Manchester, England, M40 7AS	Details: No Details Enforcement: No Details Date of enforcement: No Details Comment: No Details
9	474m N	Application reference number: 059226/HSC/NORTH2/00 Application status: Historical Consent Application date: 11/07/2000 Address: Land Bounded By Alan Turing Way & New Viaduct Street, Bradford	Details: Continuation Of Hazardous Substances Consent For Storage Of Gas Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified

This data is sourced from Local Authority records.

4.9 Historical licensed industrial activities (IPC)

Records within 500m	0
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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
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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	2
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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 69 >](#)

ID	Location	Address	Details	
A	83m SW	J And F Brooks Ltd, Philips Park Road, Beswick, M11 3EJ	Process: Timber Manufacture Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
A	149m SW	West & Musgrave, Edwin Rd, M11 3ER	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

This data is sourced from Local Authority records.

4.12 Radioactive Substance Authorisations

Records within 500m	0
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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	13
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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 69 >](#)

ID	Location	Address	Details	
C	275m W	MILL STREET BRADFORD MANCHESTER CSO, GIBBON STREET ALAN TURING WAY, BRADFORD, MANCHESTER, GREATER MANCHESTER, M11 3FF	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 016982733 Permit Version: 2 Receiving Water: RIVER MEDLOCK VIA SWS	Status: VARIED UNDER EPR 2010 Issue date: 04/12/2019 Effective Date: 04/12/2019 Revocation Date: -
C	278m W	MILL STREET BRADFORD MANCHESTER CSO, GIBBON STREET ALAN TURING WAY, BRADFORD, MANCHESTER, GREATER MANCHESTER, M11 3FF	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0320 Permit Version: 1 Receiving Water: RIVER MEDLOCK	Status: CONSENT REVOKED OR REVISED - NEW CONSENT ISSUED (37(1)) Issue date: - Effective Date: 01/01/1995 Revocation Date: 01/01/1995



ID	Location	Address	Details	
C	278m W	MILL STREET BRADFORD MANCHESTER CSO, GIBBON STREET ALAN TURING WAY, BRADFORD, MANCHESTER, GREATER MANCHESTER, M11 3FF	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 016982733 Permit Version: 1 Receiving Water: RIVER MEDLOCK	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: - Effective Date: 30/09/1994 Revocation Date: 03/12/2019
5	305m NE	BRADFORD RD GAS WORKS, OPPOSITE ELM STREET, BRADFORD, MANCHESTER, GREATER MANCHESTER	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 016982626 Permit Version: 1 Receiving Water: RIVER MEDLOCK	Status: CONSENT REVOKED - DISCHARGE CEASED (WRA 91, SCHED 10 & 6) Issue date: - Effective Date: 30/09/1994 Revocation Date: 02/10/1998
E	339m SW	HILLKIRK STREET CSO (282I9), 20 HILKIRK STREET, BRADFORD, MANCHESTER, GREATER MANCHESTER, M11 3EZ	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 016982726 Permit Version: 2 Receiving Water: RIVER MEDLOCK	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: - Effective Date: 31/08/1999 Revocation Date: 19/10/2020
E	344m SW	HILLKIRK STREET CSO (282I9), 20 HILKIRK STREET, BRADFORD, MANCHESTER, GREATER MANCHESTER, M11 3EZ	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 016982726 Permit Version: 3 Receiving Water: RIVER MEDLOCK	Status: VARIED UNDER EPR 2010 Issue date: 20/10/2020 Effective Date: 20/10/2020 Revocation Date: -
E	353m SW	PHILIP PARK RD, RUSHOLM, MANCHESTER, GREATER MANCHESTER	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0298 Permit Version: 1 Receiving Water: RIVER MEDLOCK	Status: CONSENT REVOKED OR REVISED - NEW CONSENT ISSUED (37(1)) Issue date: - Effective Date: 01/01/1995 Revocation Date: 31/08/1999
E	385m W	ROADWAY SWO, REAR BUILDING UNIT 1, HOLT TOWN, ANCOATS, GREATER MANCHESTER	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: 016991184 Permit Version: 1 Receiving Water: RIVER MEDLOCK	Status: REVOKED - UNSPECIFIED Issue date: - Effective Date: 01/11/1994 Revocation Date: 01/11/1994
E	413m W	AGAR ST, HOLT TOWN, MANCHESTER, GREATER MANCHESTER	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0258 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: -



ID	Location	Address	Details	
F	442m SW	ASHFORD ST/BREWING ST, MANCHESTER, GREATER MANCHESTER	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0006 Permit Version: 1 Receiving Water: -	Status: REVOKED - UNSPECIFIED Issue date: - Effective Date: 01/04/1991 Revocation Date: 31/12/1994
F	442m SW	ASHFORD ST/BREWING ST, MANCHESTER, GREATER MANCHESTER	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0006 Permit Version: 2 Receiving Water: UNKNOWN	Status: REVOKED (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: - Effective Date: 01/01/1995 Revocation Date: 31/08/1999
E	449m W	ASHTON NEW RD(M SEWER), MANCHESTER, GREATER MANCHESTER	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0195 Permit Version: 1 Receiving Water: RIVER MEDLOCK	Status: REVOKED - UNSPECIFIED Issue date: - Effective Date: 01/01/1995 Revocation Date: 18/07/1995
8	472m W	HOLT TOWN/WESTON STREET, MANCHESTER, GREATER MANCHESTER	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0373 Permit Version: 1 Receiving Water: -	Status: SURRENDERED UNDER EPR 2010 Issue date: - Effective Date: 01/01/1995 Revocation Date: 24/11/2014

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

12

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 69](#) >

ID	Location	Details	
B	259m NW	Incident Date: 18/07/2001 Incident Identification: 17447 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Smoke	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
B	270m NW	Incident Date: 27/06/2001 Incident Identification: 11933 Pollutant: Specific Waste Materials Pollutant Description: Commercial Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
C	271m W	Incident Date: 29/07/2002 Incident Identification: 95435 Pollutant: Pollutant Not Identified Pollutant Description: Not Identified	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
B	273m NW	Incident Date: 25/06/2001 Incident Identification: 11433 Pollutant: Specific Waste Materials Pollutant Description: Commercial Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)



ID	Location	Details	
B	274m NW	Incident Date: 04/07/2001 Incident Identification: 13774 Pollutant: General Biodegradable Materials and Wastes Pollutant Description: Other General Biodegradable Material or Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
B	275m NW	Incident Date: 28/06/2001 Incident Identification: 12020 Pollutant: Specific Waste Materials Pollutant Description: Commercial Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
B	276m NW	Incident Date: 03/08/2001 Incident Identification: 21821 Pollutant: General Biodegradable Materials and Wastes Pollutant Description: Other General Biodegradable Material or Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
D	314m W	Incident Date: 13/12/2002 Incident Identification: 125940 Pollutant: Specific Waste Materials Pollutant Description: Tyres	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
D	316m W	Incident Date: 02/04/2002 Incident Identification: 68166 Pollutant: Specific Waste Materials:Specific Waste Materials:Specific Waste Materials Pollutant Description: Household Waste:Tyres:Vehicles and Vehicle Parts	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
D	316m W	Incident Date: 02/04/2002 Incident Identification: 68166 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)
D	316m W	Incident Date: 02/04/2002 Incident Identification: 68166 Pollutant: Specific Waste Materials Pollutant Description: Vehicles and Vehicle Parts	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
D	316m W	Incident Date: 02/04/2002 Incident Identification: 68166 Pollutant: Specific Waste Materials Pollutant Description: Tyres	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)

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



4.19 Pollution inventory substances

Records within 500m**0**

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

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

4.20 Pollution inventory waste transfers

Records within 500m**0**

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

Records within 500m**0**

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

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

5 Hydrogeology - Superficial aquifer



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

5.1 Superficial aquifer

Records within 500m

1

Aquifer status of groundwater held within superficial geology.

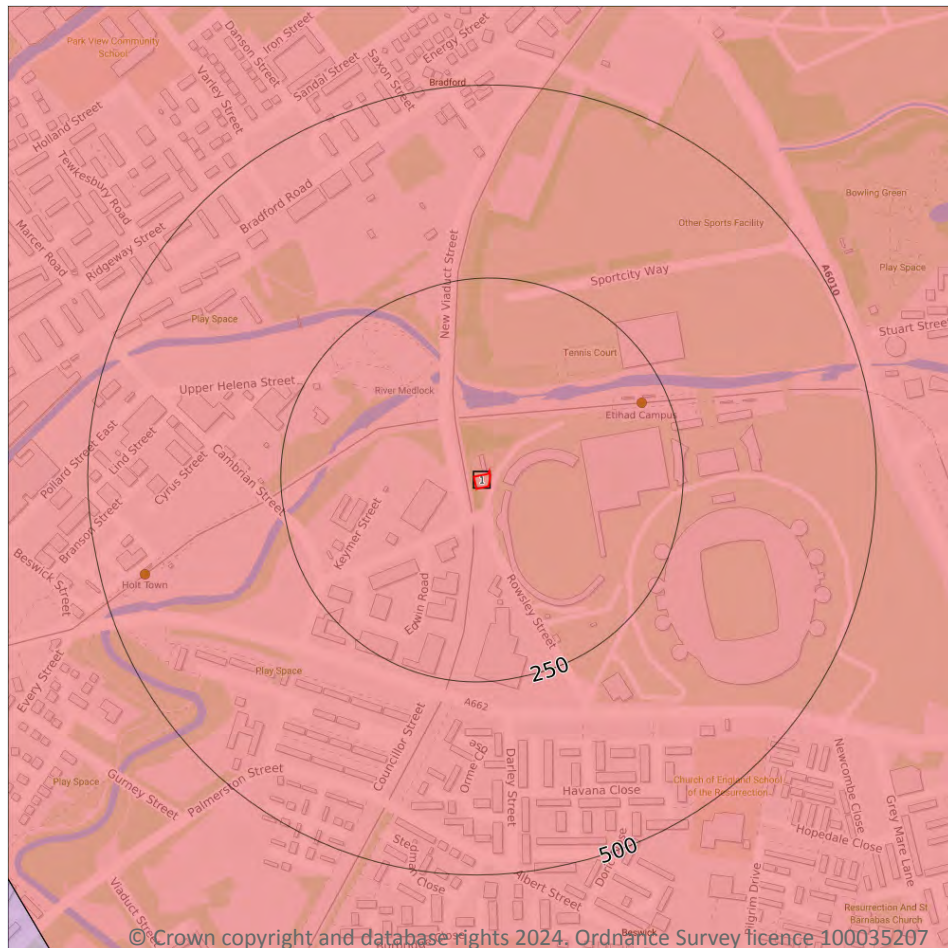
Features are displayed on the Hydrogeology map on [page 79 >](#)

ID	Location	Designation	Description
1	On site	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type

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



Bedrock aquifer



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

5.2 Bedrock aquifer

Records within 500m

1

Aquifer status of groundwater held within bedrock geology.

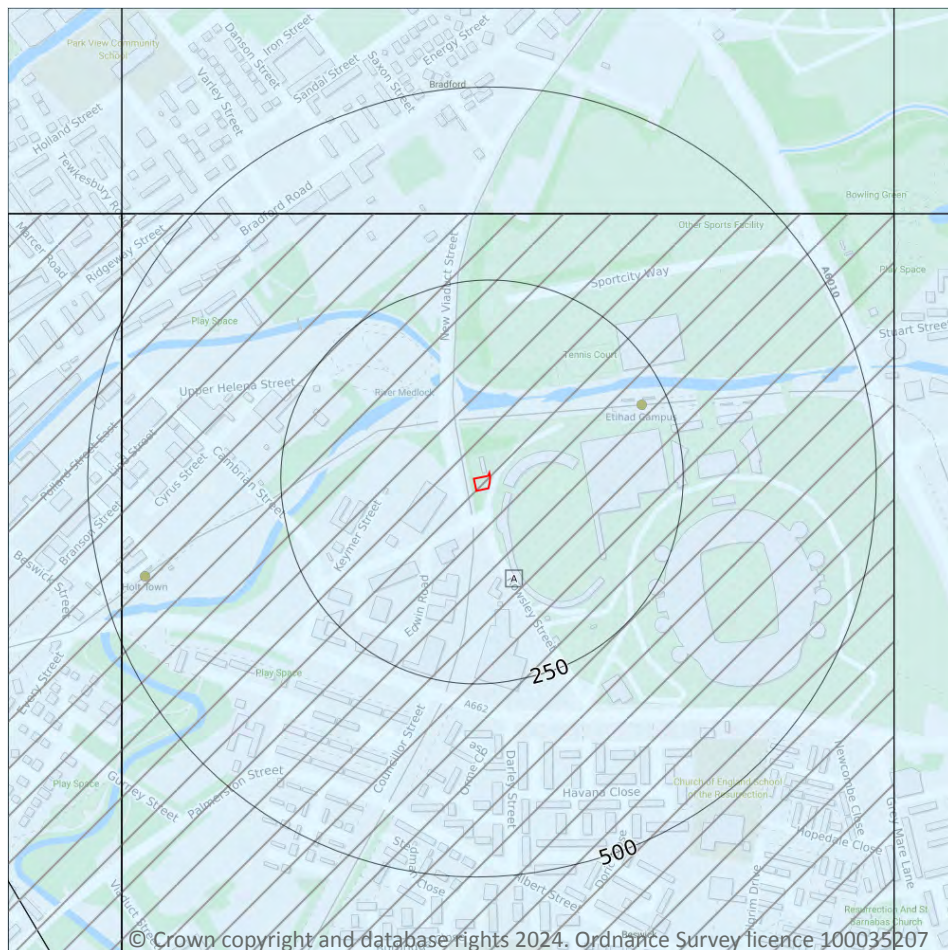
Features are displayed on the Bedrock aquifer map on [page 80](#) >

ID	Location	Designation	Description
1	On site	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers

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



Groundwater vulnerability



5.3 Groundwater vulnerability

Records within 50m

1

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

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

Features are displayed on the Groundwater vulnerability map on [page 81](#) >



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

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

5.4 Groundwater vulnerability- soluble rock risk

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

ID	Maximum soluble risk category	Percentage of grid square covered by maximum risk
A	Significant soluble rocks are likely to be present. Problems unlikely except with considerable surface or subsurface water flow.	1.0%

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

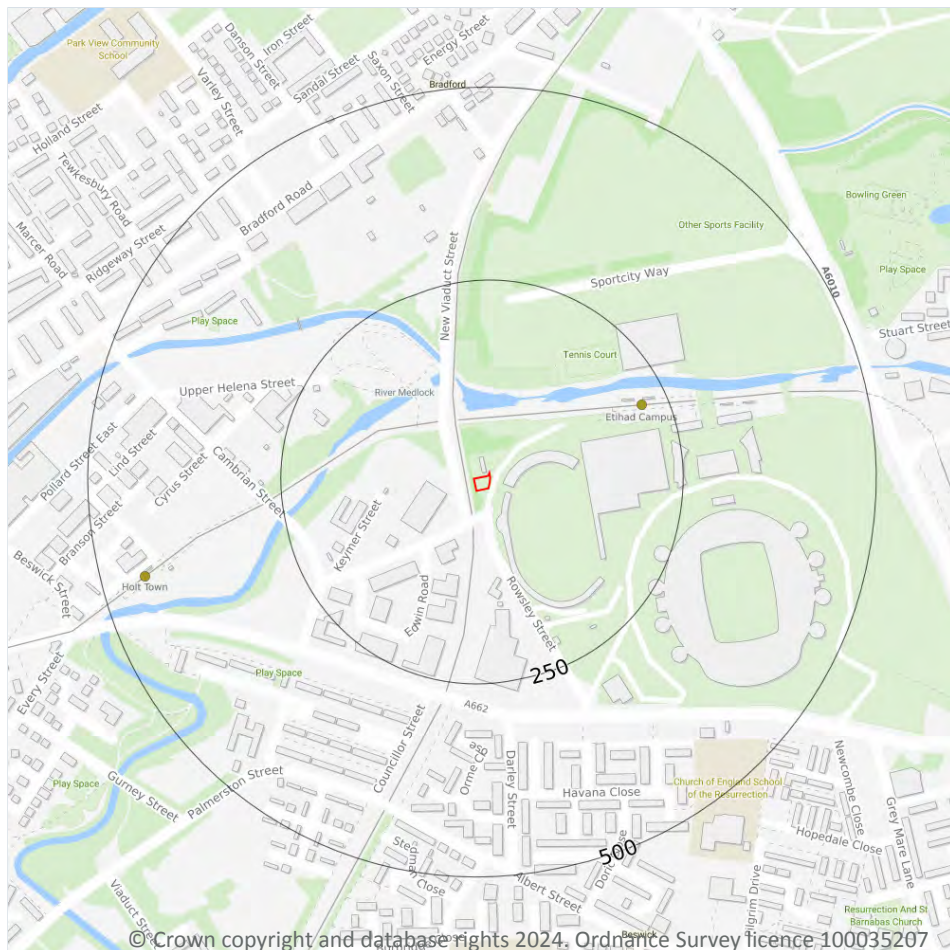
5.5 Groundwater vulnerability- local information

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

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

Abstractions and Source Protection Zones



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

5.6 Groundwater abstractions

Records within 2000m

26

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 83](#) >



ID	Location	Details	
-	1128m N	Status: Active Licence No: 2569005061 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: BOREHOLE AT NORTON STREET, MILES PLATTING, MANCHESTER Data Type: Point Name: HANSON QUARRY PRODUCTS EUROPE LIMITED Easting: 386550 Northing: 399790	Annual Volume (m ³): 33000 Max Daily Volume (m ³): 125 Original Application No: NPS/WR/011609 Original Start Date: 08/02/2000 Expiry Date: - Issue No: 3 Version Start Date: 13/08/2012 Version End Date: -
-	1128m N	Status: Historical Licence No: 2569005061 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: "BOREHOLE AT NORTON STREET, MILES PLATTING, MANCHESTER" Data Type: Point Name: HANSON QUARRY PRODUCTS EUROPE LTD Easting: 386550 Northing: 399790	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 08/02/2000 Expiry Date: - Issue No: 2 Version Start Date: 01/07/2000 Version End Date: -
-	1340m SE	Status: Historical Licence No: 2569006026 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Ground Water - North West Region Point: "BOREHOLE AT PREMISES, CLAYTON, MANCHESTER" Data Type: Point Name: CIBA SPECIALTY CHEMICALS PLC Easting: 387700 Northing: 398100	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 24/03/1966 Expiry Date: - Issue No: 101 Version Start Date: 25/07/2000 Version End Date: -
-	1340m SE	Status: Historical Licence No: 2569006026 Details: Process water Direct Source: Ground Water - North West Region Point: "BOREHOLE AT PREMISES, CLAYTON, MANCHESTER" Data Type: Point Name: CIBA SPECIALTY CHEMICALS PLC Easting: 387700 Northing: 398100	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 24/03/1966 Expiry Date: - Issue No: 101 Version Start Date: 25/07/2000 Version End Date: -



ID	Location	Details	
-	1340m SE	Status: Historical Licence No: 2569006026 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Ground Water - North West Region Point: BOREHOLE AT PREMISES, CLAYTON, MANCHESTER Data Type: Point Name: CIBA SPECIALTY CHEMICALS PLC Easting: 387700 Northing: 398100	Annual Volume (m ³): 633962 Max Daily Volume (m ³): 2837 Original Application No: - Original Start Date: 24/03/1966 Expiry Date: - Issue No: 101 Version Start Date: 25/07/2000 Version End Date: -
-	1340m SE	Status: Historical Licence No: 2569006026 Details: Process water Direct Source: Ground Water - North West Region Point: BOREHOLE AT PREMISES, CLAYTON, MANCHESTER Data Type: Point Name: CIBA SPECIALTY CHEMICALS PLC Easting: 387700 Northing: 398100	Annual Volume (m ³): 633962 Max Daily Volume (m ³): 2837 Original Application No: - Original Start Date: 24/03/1966 Expiry Date: - Issue No: 101 Version Start Date: 25/07/2000 Version End Date: -
-	1352m SE	Status: Active Licence No: NW/069/0006/005/R01 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: BOREHOLE AT OPENSHAW, WEST ASHTON Data Type: Point Name: MANCHESTER CITY FOOTBALL CLUB LIMITED Easting: 387681 Northing: 398032	Annual Volume (m ³): 221650 Max Daily Volume (m ³): 1000 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: -
-	1352m SE	Status: Active Licence No: NW/069/0006/005/R01 Details: Spray Irrigation - Direct Direct Source: Ground Water - North West Region Point: BOREHOLE AT OPENSHAW, WEST ASHTON Data Type: Point Name: MANCHESTER CITY FOOTBALL CLUB LIMITED Easting: 387681 Northing: 398032	Annual Volume (m ³): 221650 Max Daily Volume (m ³): 1000 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: -



ID	Location	Details	
-	1352m SE	Status: Historical Licence No: NW/069/0006/005 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: BOREHOLE AT OPENSHAW, WEST ASHTON Data Type: Point Name: MANCHESTER CITY FOOTBALL CLUB LIMITED Easting: 387681 Northing: 398032	Annual Volume (m ³): 266113 Max Daily Volume (m ³): 1000 Original Application No: - Original Start Date: 14/11/2012 Expiry Date: 31/03/2018 Issue No: 1 Version Start Date: 14/11/2012 Version End Date: -
-	1352m SE	Status: Historical Licence No: NW/069/0006/005 Details: Horticultural Watering Direct Source: Ground Water - North West Region Point: BOREHOLE AT OPENSHAW, WEST ASHTON Data Type: Point Name: MANCHESTER CITY FOOTBALL CLUB LIMITED Easting: 387681 Northing: 398032	Annual Volume (m ³): 266113 Max Daily Volume (m ³): 1000 Original Application No: - Original Start Date: 14/11/2012 Expiry Date: 31/03/2018 Issue No: 1 Version Start Date: 14/11/2012 Version End Date: -
-	1352m SE	Status: Historical Licence No: NW/069/0006/005 Details: Spray Irrigation - Direct Direct Source: Ground Water - North West Region Point: BOREHOLE AT OPENSHAW, WEST ASHTON Data Type: Point Name: MANCHESTER CITY FOOTBALL CLUB LIMITED Easting: 387681 Northing: 398032	Annual Volume (m ³): 266113 Max Daily Volume (m ³): 1000 Original Application No: - Original Start Date: 14/11/2012 Expiry Date: 31/03/2018 Issue No: 1 Version Start Date: 14/11/2012 Version End Date: -
-	1410m E	Status: Active Licence No: 2569006037 Details: Non-Evaporative Cooling Direct Source: Ground Water - North West Region Point: BOREHOLE 2 ON PREMISES AT CROFT STREET, CLAYTON, MANCHESTER Data Type: Point Name: Evonik Chemicals Ltd Easting: 387859 Northing: 398375	Annual Volume (m ³): 111831.6 Max Daily Volume (m ³): 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: -
-	1410m E	Status: Active Licence No: 2569006037 Details: Non-Evaporative Cooling Direct Source: Ground Water - North West Region Point: BOREHOLE 1 ON PREMISES AT CROFT STREET, CLAYTON, MANCHESTER Data Type: Point Name: Evonik Chemicals Ltd Easting: 387860 Northing: 398379	Annual Volume (m ³): 111831.6 Max Daily Volume (m ³): 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	
-	1445m E	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 (m³): - Max Daily Volume (m³): - Original Application No: - Original Start Date: 21/05/1985 Expiry Date: - Issue No: 100 Version Start Date: 01/07/1996 Version End Date: -
-	1445m E	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 (m³): - Max Daily Volume (m³): - Original Application No: - Original Start Date: 21/05/1985 Expiry Date: - Issue No: 100 Version Start Date: 01/07/1996 Version End Date: -
-	1445m E	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 (m³): 111832 Max Daily Volume (m³): 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: -
-	1588m E	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 (m³): - Max Daily Volume (m³): - 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	
-	1588m E	Status: Historical Licence No: 2569006036 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Ground Water - North West Region Point: "BOREHOLE ON PREMISES AT CLAYTON, MANCHESTER" Data Type: Point Name: AIR PRODUCTS CHEMICALS LTD Easting: 388000 Northing: 398200	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 21/05/1985 Expiry Date: - Issue No: 100 Version Start Date: 01/07/1996 Version End Date: -
-	1588m E	Status: Historical Licence No: 2569006036 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Ground Water - North West Region Point: BOREHOLE ON PREMISES AT CLAYTON, MANCHESTER Data Type: Point Name: AIR PRODUCTS CHEMICALS LTD Easting: 388000 Northing: 398200	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 21/05/1985 Expiry Date: - Issue No: 100 Version Start Date: 01/07/1996 Version End Date: -
-	1588m E	Status: Historical Licence No: 2569006036 Details: Process water Direct Source: Ground Water - North West Region Point: BOREHOLE ON PREMISES AT CLAYTON, MANCHESTER Data Type: Point Name: AIR PRODUCTS CHEMICALS LTD Easting: 388000 Northing: 398200	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 21/05/1985 Expiry Date: - Issue No: 100 Version Start Date: 01/07/1996 Version End Date: -
-	1588m E	Status: Historical Licence No: 2569006036 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Ground Water - North West Region Point: BOREHOLE ON PREMISES AT CLAYTON MANCHESTER Data Type: Point Name: AIR PRODUCTS CHEMICALS LTD Easting: 388000 Northing: 398200	Annual Volume (m ³): 372772 Max Daily Volume (m ³): 3600.5 Original Application No: - Original Start Date: 21/05/1985 Expiry Date: - Issue No: 100 Version Start Date: 01/07/1996 Version End Date: -



ID	Location	Details	
-	1588m E	Status: Historical Licence No: 2569006036 Details: Process Water Direct Source: Ground Water - North West Region Point: BOREHOLE ON PREMISES AT CLAYTON MANCHESTER Data Type: Point Name: AIR PRODUCTS CHEMICALS LTD Easting: 388000 Northing: 398200	Annual Volume (m ³): 372772 Max Daily Volume (m ³): 3600.5 Original Application No: - Original Start Date: 21/05/1985 Expiry Date: - Issue No: 100 Version Start Date: 01/07/1996 Version End Date: -
-	1595m E	Status: Active Licence No: 2569006036 Details: Non-Evaporative Cooling Direct Source: Ground Water - North West Region Point: BOREHOLE ON PREMISES AT CLAYTON, MANCHESTER Data Type: Point Name: Evonik Chemicals Ltd Easting: 388027 Northing: 398277	Annual Volume (m ³): 372772 Max Daily Volume (m ³): 3600.5 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: -
-	1642m SW	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 ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 08/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 08/02/1966 Version End Date: -
-	1642m SW	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 ³): 331858 Max Daily Volume (m ³): 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: -

ID	Location	Details	
-	1993m S	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 ³): 2049840 Max Daily Volume (m ³): 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: -

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

5.7 Surface water abstractions

Records within 2000m	6
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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 83 >](#)

ID	Location	Details	
-	1151m E	Status: Historical Licence No: 2569006996 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Surface, Non-Tidal - North West Region Point: ASHTON CANAL, MANCHESTER [VITACOM] Data Type: Point Name: BRITISH WATERWAYS Easting: 387600 Northing: 398400	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 01/04/1969 Expiry Date: - Issue No: 100 Version Start Date: 01/04/1969 Version End Date: -
-	1347m E	Status: Historical Licence No: 2569006997 Details: Process water Direct Source: "Surface, Non-Tidal - North West Region" Point: "ASHTON CANAL, MANCHESTER [CLAYTON ANALINE]" Data Type: Point Name: BRITISH WATERWAYS Easting: 387800 Northing: 398400	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 01/04/1969 Expiry Date: - Issue No: 100 Version Start Date: 01/04/1969 Version End Date: -



ID	Location	Details	
-	1347m E	Status: Historical Licence No: 2569006997 Details: Process water Direct Source: Surface, Non-Tidal - North West Region Point: ASHTON CANAL, MANCHESTER [CLAYTON ANALINE] Data Type: Point Name: BRITISH WATERWAYS BOARD Easting: 387800 Northing: 398400	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 01/04/1969 Expiry Date: - Issue No: 100 Version Start Date: 01/04/1969 Version End Date: -
-	1347m E	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: Canal and River Trust Easting: 387800 Northing: 398400	Annual Volume (m ³): 3500420 Max Daily Volume (m ³): 3500420 Original Application No: 1470 Original Start Date: 01/04/1969 Expiry Date: - Issue No: 100 Version Start Date: 01/04/1969 Version End Date: -
-	1661m E	Status: Historical Licence No: 2569006995 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: "Surface, Non-Tidal - North West Region" Point: "ASHTON CANAL, MANCHESTER" Data Type: Point Name: BRITISH WATERWAYS Easting: 388100 Northing: 398300	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 01/04/1969 Expiry Date: - Issue No: 100 Version Start Date: 01/04/1969 Version End Date: -
-	1661m E	Status: Historical Licence No: 2569006995 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Surface, Non-Tidal - North West Region Point: ASHTON CANAL, MANCHESTER Data Type: Point Name: Canal and River Trust Easting: 388100 Northing: 398300	Annual Volume (m ³): 68190 Max Daily Volume (m ³): 68190 Original Application No: - Original Start Date: 01/04/1969 Expiry Date: - Issue No: 100 Version Start Date: 01/04/1969 Version End Date: -

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



5.8 Potable abstractions

Records within 2000m

0

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

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

5.9 Source Protection Zones

Records within 500m

0

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

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

5.10 Source Protection Zones (confined aquifer)

Records within 500m

0

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

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



6 Hydrology



6.1 Water Network (OS MasterMap)

Records within 250m

10

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 93 >](#)

ID	Location	Type of water feature	Ground level	Permanence	Name
3	93m N	Canal. A manmade watercourse for inland navigation.	On ground surface	Watercourse contains water year round (in normal circumstances)	Ashton Canal



ID	Location	Type of water feature	Ground level	Permanence	Name
A	106m NE	Lock or flight of locks. An enclosure in a canal or navigable river with gates and sluices at either end.	On ground surface	Watercourse contains water year round (in normal circumstances)	Ashton Canal
A	120m NE	Canal. A manmade watercourse for inland navigation.	On ground surface	Watercourse contains water year round (in normal circumstances)	Ashton Canal
B	134m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Medlock
6	137m N	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	River Medlock
B	152m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
B	152m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
7	156m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Medlock
A	168m NE	Lock or flight of locks. An enclosure in a canal or navigable river with gates and sluices at either end.	On ground surface	Watercourse contains water year round (in normal circumstances)	Ashton Canal
9	190m NE	Canal. A manmade watercourse for inland navigation.	On ground surface	Watercourse contains water year round (in normal circumstances)	Ashton Canal

This data is sourced from the Ordnance Survey.

6.2 Surface water features

Records within 250m

4

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

Features are displayed on the Hydrology map on [page 93](#) >

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 93 >](#)

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

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

6.4 WFD Surface water bodies

Records identified

2

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 93 >](#)

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
4	100m N	Canal	Ashton Canal and Peak Forest Canal, lower section	GB71210219 ↗	Moderate	Fail	Moderate	2019
C	135m NW	River	Medlock (Lumb Brook to Irwell)	GB112069061152 ↗	Moderate	Fail	Moderate	2019

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



6.5 WFD Groundwater bodies

Records on site

1

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

Features are displayed on the Hydrology map on [page 93](#) >

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
2	On site	Manchester and East Cheshire Permo-Triassic Sandstone Aquifers	GB41201G101100 ↗	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



— Site Outline

Search buffers in metres (m)

1 in 1000 return period

- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

1 in 250 return period

- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

1 in 100 return period

- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

1 in 30 return period

- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

8.1 Surface water flooding

Highest risk on site

Negligible

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 100 >](#)

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



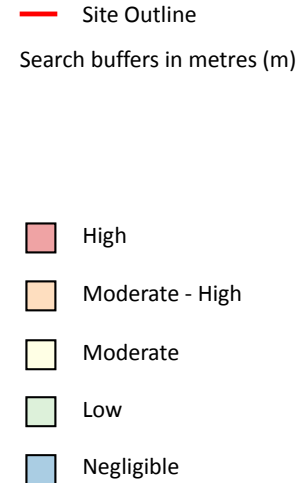
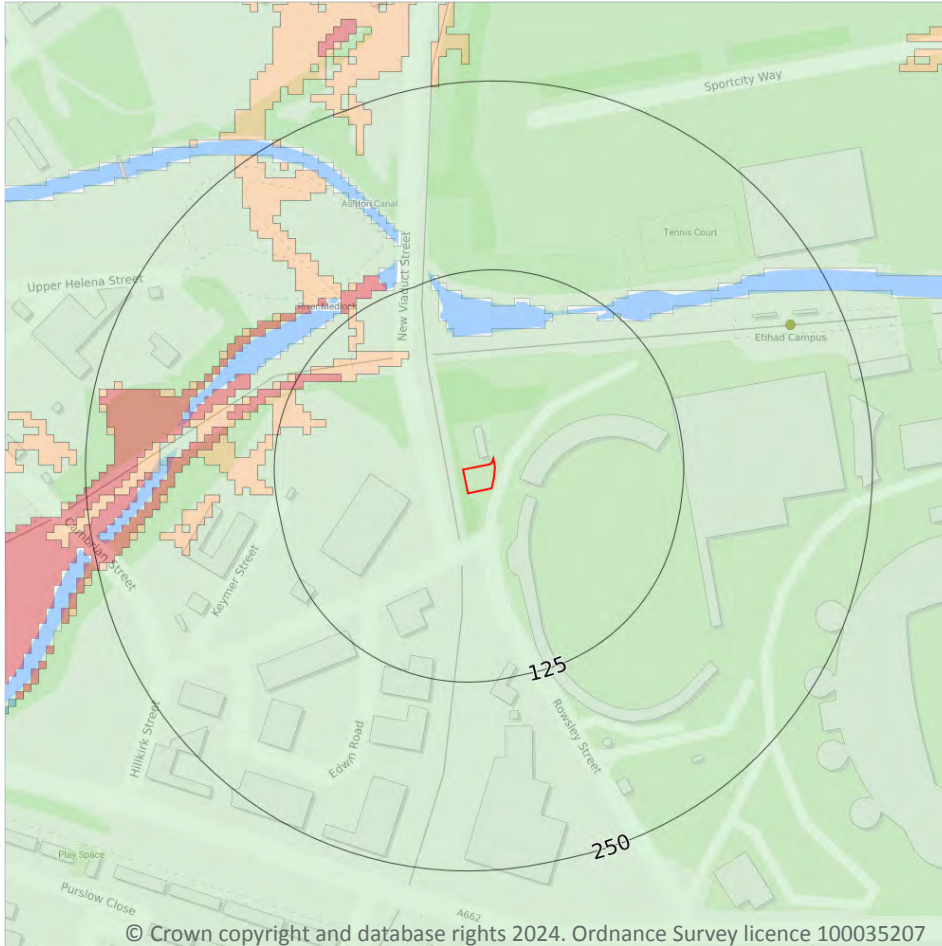
The table below shows the maximum flood depths for a range of return periods for the site.

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

This data is sourced from Ambiantal Risk Analytics.



9 Groundwater flooding



9.1 Groundwater flooding

Highest risk on site

Low

Highest risk within 50m

Low

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

Features are displayed on the Groundwater flooding map on [page 102 >](#)

This data is sourced from Ambiantal Risk Analytics.

10 Environmental designations



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

10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m

0

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

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

10.2 Conserved wetland sites (Ramsar sites)

Records within 2000m**0**

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

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

10.3 Special Areas of Conservation (SAC)

Records within 2000m**0**

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

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

10.4 Special Protection Areas (SPA)

Records within 2000m**0**

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

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

10.5 National Nature Reserves (NNR)

Records within 2000m**0**

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

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

10.6 Local Nature Reserves (LNR)

Records within 2000m**1**

Sites managed for nature conservation, and to provide opportunities for research and education, or simply enjoying and having contact with nature. They are declared by local authorities under the National Parks and Access to the Countryside Act 1949 after consultation with the relevant statutory nature conservation agency. Features are displayed on the Environmental designations map on [page 103 >](#)

ID	Location	Name	Data source
A	1078m E	Clayton Vale	Natural England

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

10.7 Designated Ancient Woodland

Records within 2000m**0**

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

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

10.8 Biosphere Reserves

Records within 2000m**0**

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

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

10.9 Forest Parks

Records within 2000m**0**

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

This data is sourced from the Forestry Commission.



10.10 Marine Conservation Zones

Records within 2000m

0

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

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

10.11 Green Belt

Records within 2000m

1

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

Features are displayed on the Environmental designations map on [page 103 >](#)

ID	Location	Name	Local Authority name
A	1406m E	Merseyside and Greater Manchester	Manchester

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

10.12 Proposed Ramsar sites

Records within 2000m

0

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

This data is sourced from Natural England.

10.13 Possible Special Areas of Conservation (pSAC)

Records within 2000m

0

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

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



10.14 Potential Special Protection Areas (pSPA)

Records within 2000m**0**

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

This data is sourced from Natural England.

10.15 Nitrate Sensitive Areas

Records within 2000m**0**

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

This data is sourced from Natural England.

10.16 Nitrate Vulnerable Zones

Records within 2000m**1**

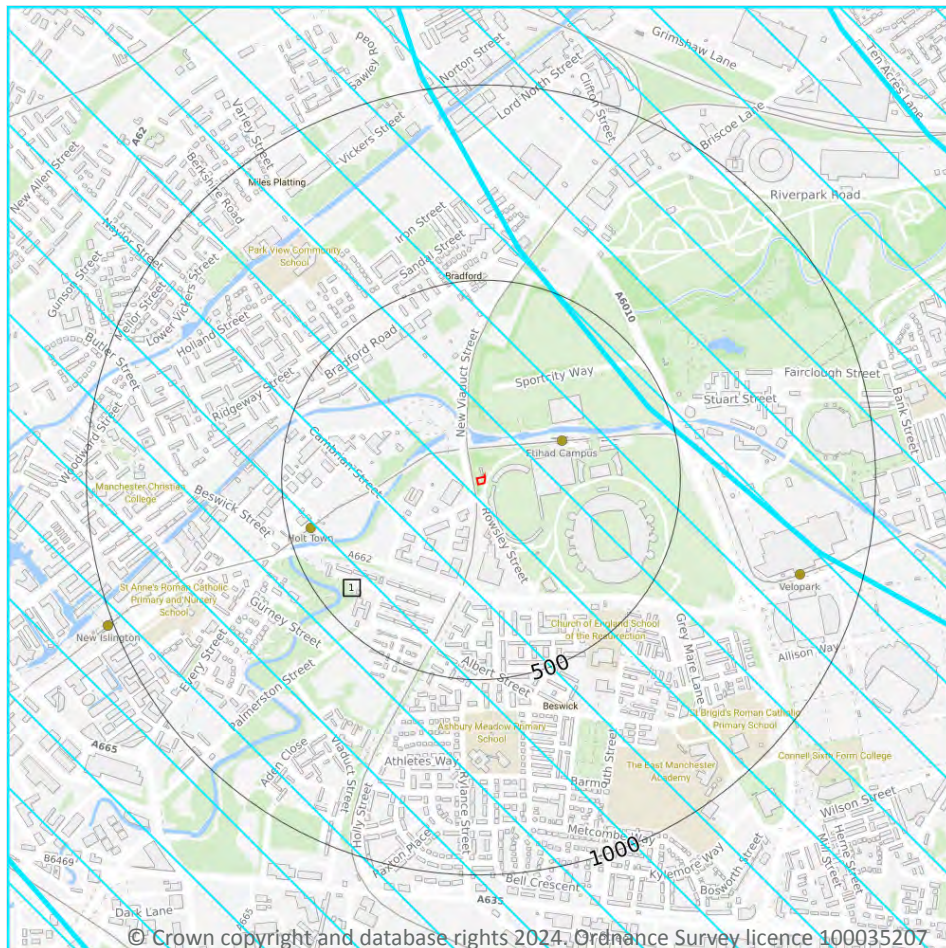
Areas at risk from agricultural nitrate pollution designated under the EC Nitrate Directive (91/676/EEC). These are areas of land that drain into waters polluted by nitrates. Farmers operating within these areas have to follow mandatory rules to tackle nitrate loss from agriculture.

Location	Name	Type	NVZ ID	Status
1132m 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



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

10.17 SSSI Impact Risk Zones

Records on site

1

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

Features are displayed on the SSSI Impact Zones and Units map on [page 108](#) >



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

This data is sourced from Natural England.

10.18 SSSI Units

Records within 2000m	0
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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

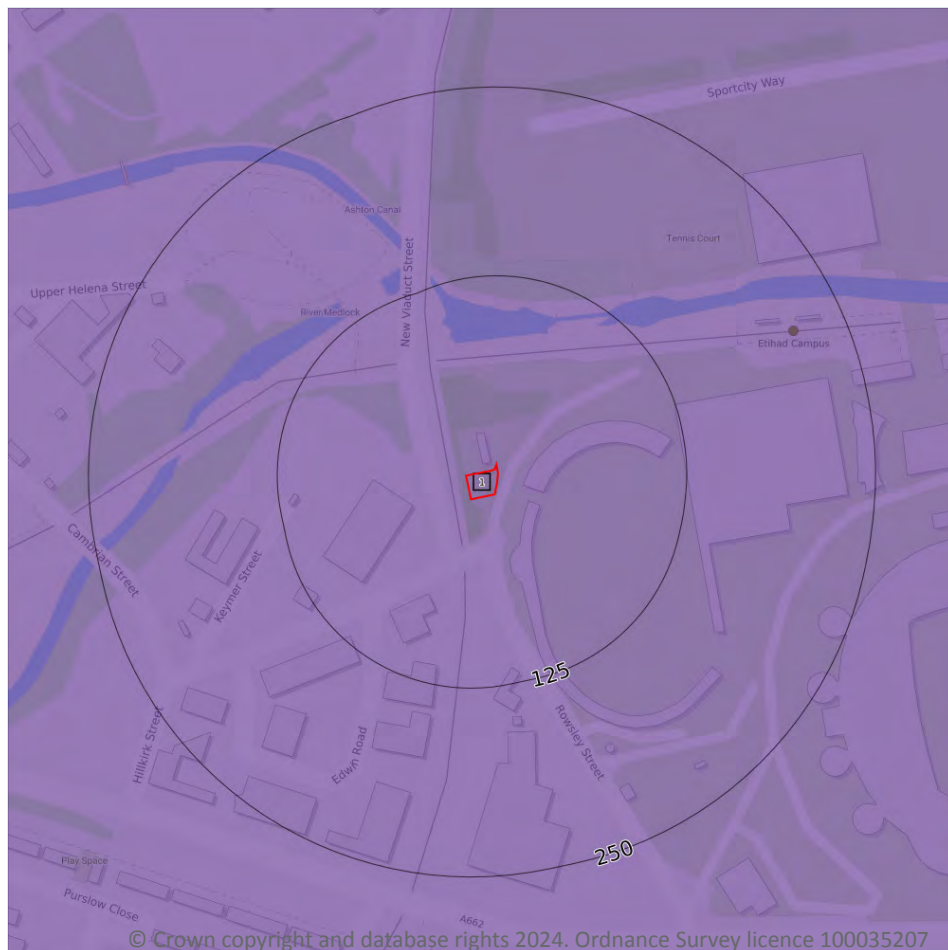
0

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



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

12.1 Agricultural Land Classification

Records within 250m

1

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

Features are displayed on the Agricultural designations map on [page 112](#) >

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



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

13.1 Priority Habitat Inventory

Records within 250m

0

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

This data is sourced from Natural England.

13.2 Habitat Networks

Records within 250m

0

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

This data is sourced from Natural England.



13.3 Open Mosaic Habitat

Records within 250m	2
---------------------	---

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

Features are displayed on the Habitat designations map on [page 114 >](#)

ID	Location	Site reference	Identification confidence	Primary source	Secondary source	Tertiary source
1	167m N	HLD_refs: EAHLD16497	Low	Environment Agency Historic Landfill Sites	UK Perspectives Aerial Photography	-
2	238m NW	NLUD Ref: 421500831	Low	National Land Use Database - Previously Developed Land	UK Perspectives Aerial Photography	-

This data is sourced from Natural England.

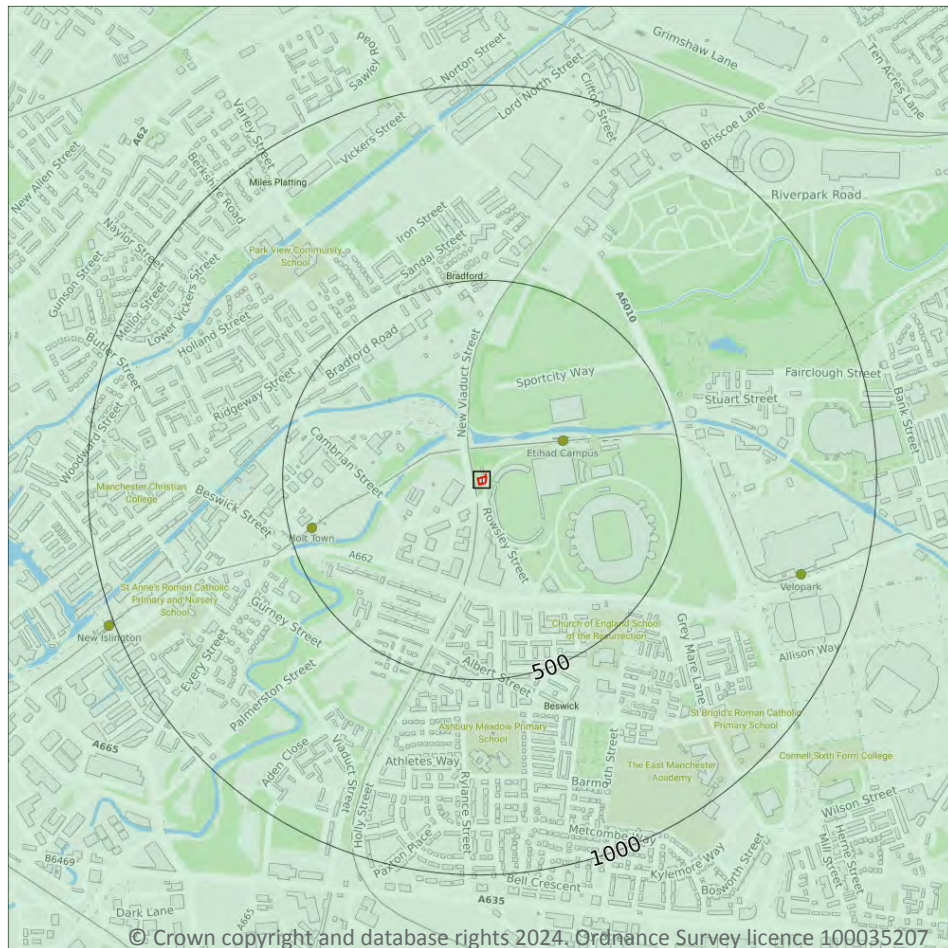
13.4 Limestone Pavement Orders

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.

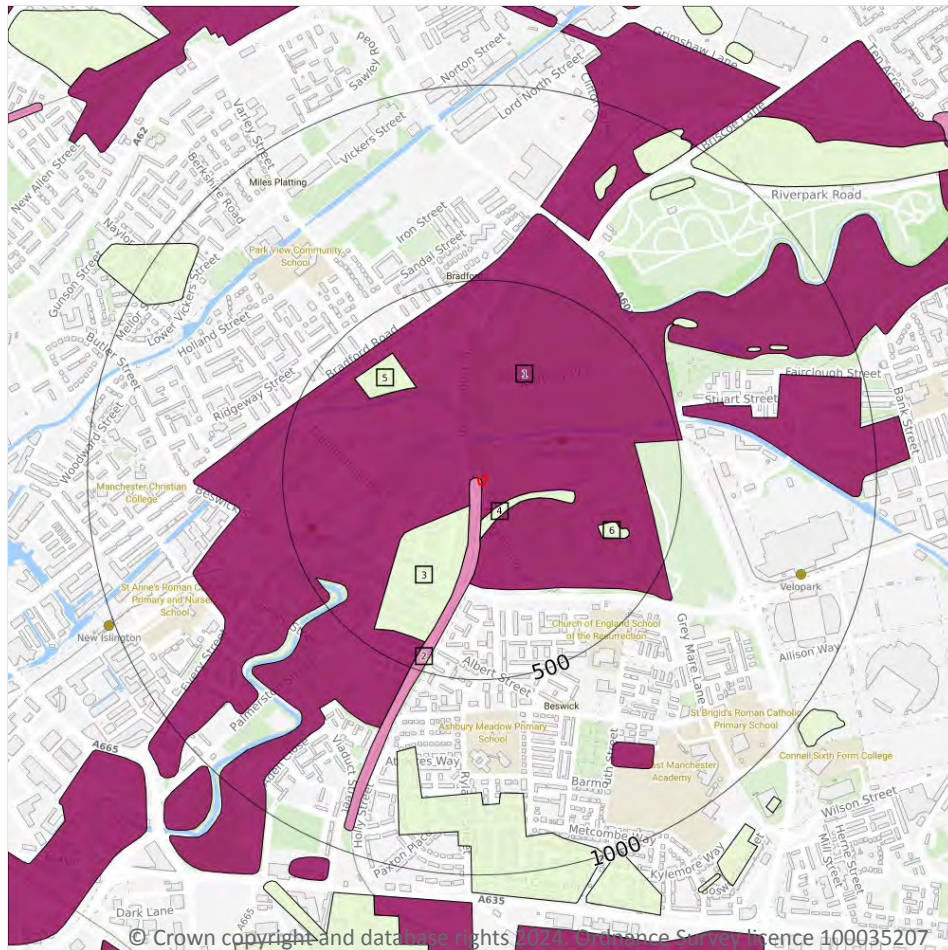
Features are displayed on the Geology 1:10,000 scale - Availability map on [page 116](#) >

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

This data is sourced from the British Geological Survey.



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



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

14.2 Artificial and made ground (10k)

Records within 500m

6

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

Features are displayed on the Geology 1:10,000 scale - Artificial and made ground map on [page 117](#) >

ID	Location	LEX Code	Description	Rock description
1	On site	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
2	On site	WGR-VOID	Worked Ground (Undivided)	Void
3	59m SW	WMGR-ARTDP	Infilled Ground	Artificial Deposit
4	68m SE	WMGR-ARTDP	Infilled Ground	Artificial Deposit



ID	Location	LEX Code	Description	Rock description
5	281m NW	WMGR-ARTDP	Infilled Ground	Artificial Deposit
6	309m E	WMGR-ARTDP	Infilled Ground	Artificial Deposit

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Superficial



Site Outline

Search buffers in metres (m)

Landslip (10k)

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

14.3 Superficial geology (10k)

Records within 500m

4

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 119](#) >

ID	Location	LEX Code	Description	Rock description
1	On site	TILLD-DMTN	Till, Devensian - Diamicton	Diamicton
2	119m NW	ALV-XCZSV	Alluvium - Clay, Silt, Sand And Gravel	Clay, Silt, Sand And Gravel
3	242m N	TILLD-DMTN	Till, Devensian - Diamicton	Diamicton



ID	Location	LEX Code	Description	Rock description
4	457m SW	ALV-XCZSV	Alluvium - Clay, Silt, Sand And Gravel	Clay, Silt, Sand And Gravel

This data is sourced from the British Geological Survey.

14.4 Landslip (10k)

Records within 500m

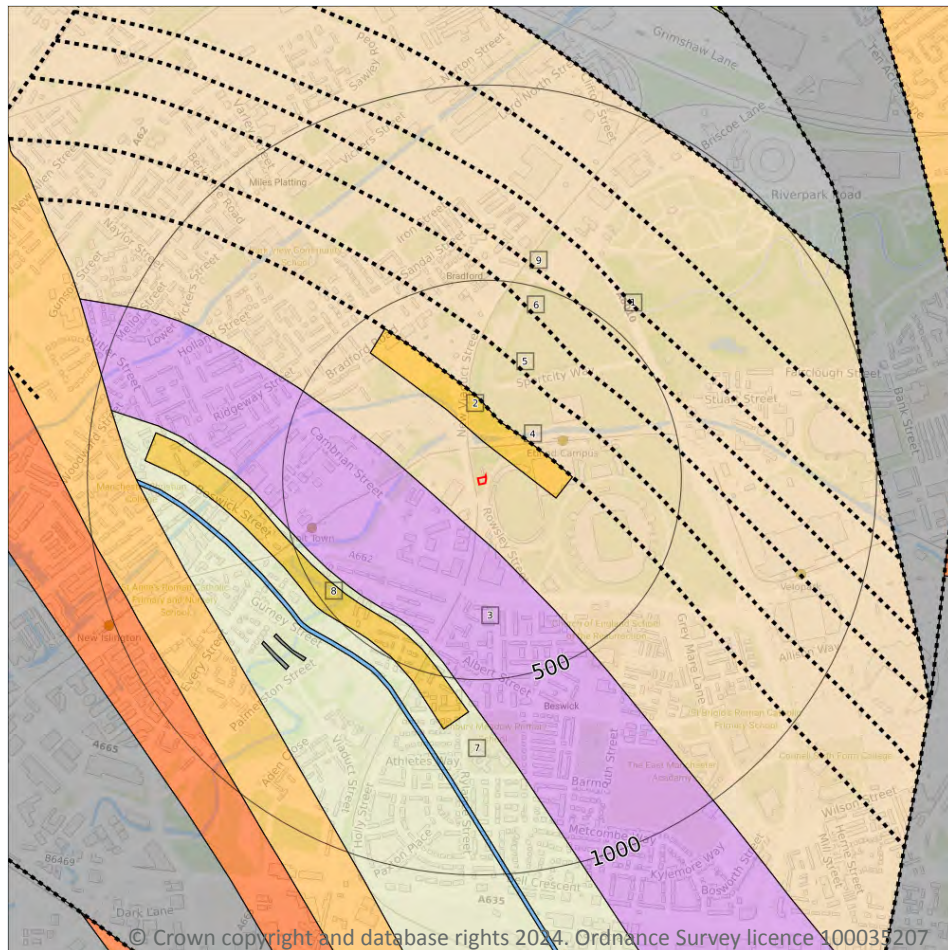
0

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

5

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 121](#) >

ID	Location	LEX Code	Description	Rock age
1	On site	PUCM-MDSS	Pennine Upper Coal Measures Formation - Mudstone, Siltstone And Sandstone	Westphalian D Sub-age - Bolsovian Sub-age
2	65m NE	OPS-SDST	Openshaw Sandstone - Sandstone	Bolsovian Sub-age
3	98m SW	ETM-STMD	Etruria Formation - Sandstone And Mudstone	Westphalian Age



ID	Location	LEX Code	Description	Rock age
7	400m SW	HA-MDSS	Halesowen Formation - Mudstone, Siltstone And Sandstone	Westphalian D Sub-age
8	419m SW	HTS-SDST	Holt Town Sandstone Bed - Sandstone	Westphalian D Sub-age

This data is sourced from the British Geological Survey.

14.6 Bedrock faults and other linear features (10k)

Records within 500m

4

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.

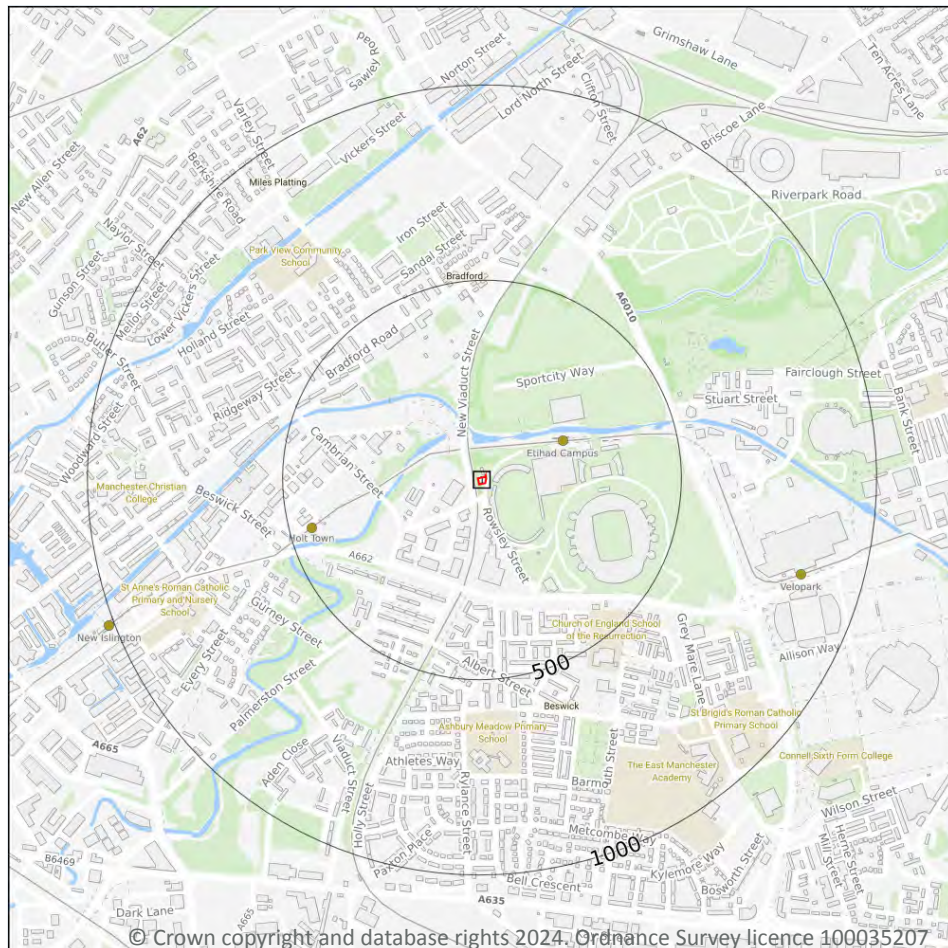
Features are displayed on the Geology 1:10,000 scale - Bedrock map on [page 121](#) >

ID	Location	Category	Description
4	134m NE	ROCK	Coal seam, inferred
5	260m NE	ROCK	Coal seam, inferred
6	372m NE	ROCK	Coal seam, inferred
9	482m NE	ROCK	Coal seam, inferred

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.

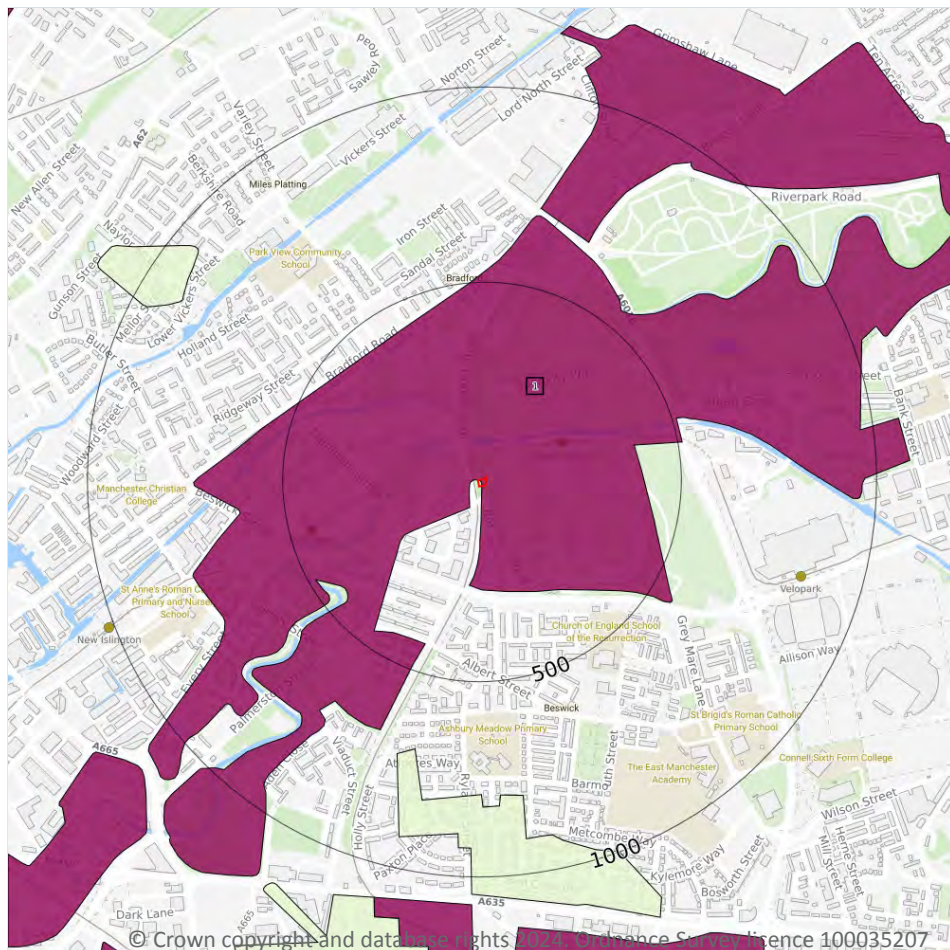
Features are displayed on the Geology 1:50,000 scale - Availability map on [page 123](#) >

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

This data is sourced from the British Geological Survey.



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



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

15.2 Artificial and made ground (50k)

Records within 500m

1

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

Features are displayed on the Geology 1:50,000 scale - Artificial and made ground map on [page 124 >](#)

ID	Location	LEX Code	Description	Rock description
1	On site	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT

This data is sourced from the British Geological Survey.

15.3 Artificial ground permeability (50k)

Records within 50m**1**

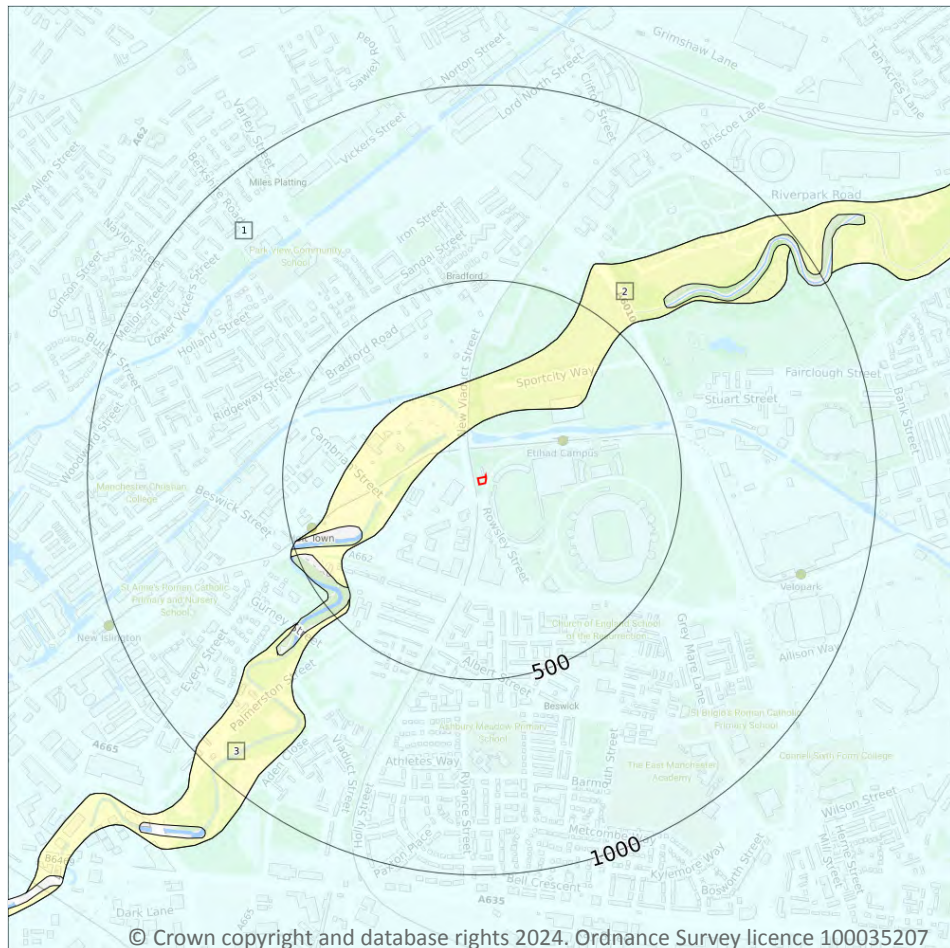
A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any artificial deposits (the zone between the land surface and the water table).

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

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

3

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 126 >](#)

ID	Location	LEX Code	Description	Rock description
1	On site	TILLD-DMTN	TILL, DEVANSIAN	DIAMICTON
2	113m NW	ALV-XCZSV	ALLUVIUM	CLAY, SILT, SAND AND GRAVEL
3	442m SW	ALV-XCZSV	ALLUVIUM	CLAY, SILT, SAND AND GRAVEL



This data is sourced from the British Geological Survey.

15.5 Superficial permeability (50k)

Records within 50m

1

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

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

This data is sourced from the British Geological Survey.

15.6 Landslip (50k)

Records within 500m

0

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

This data is sourced from the British Geological Survey.

15.7 Landslip permeability (50k)

Records within 50m

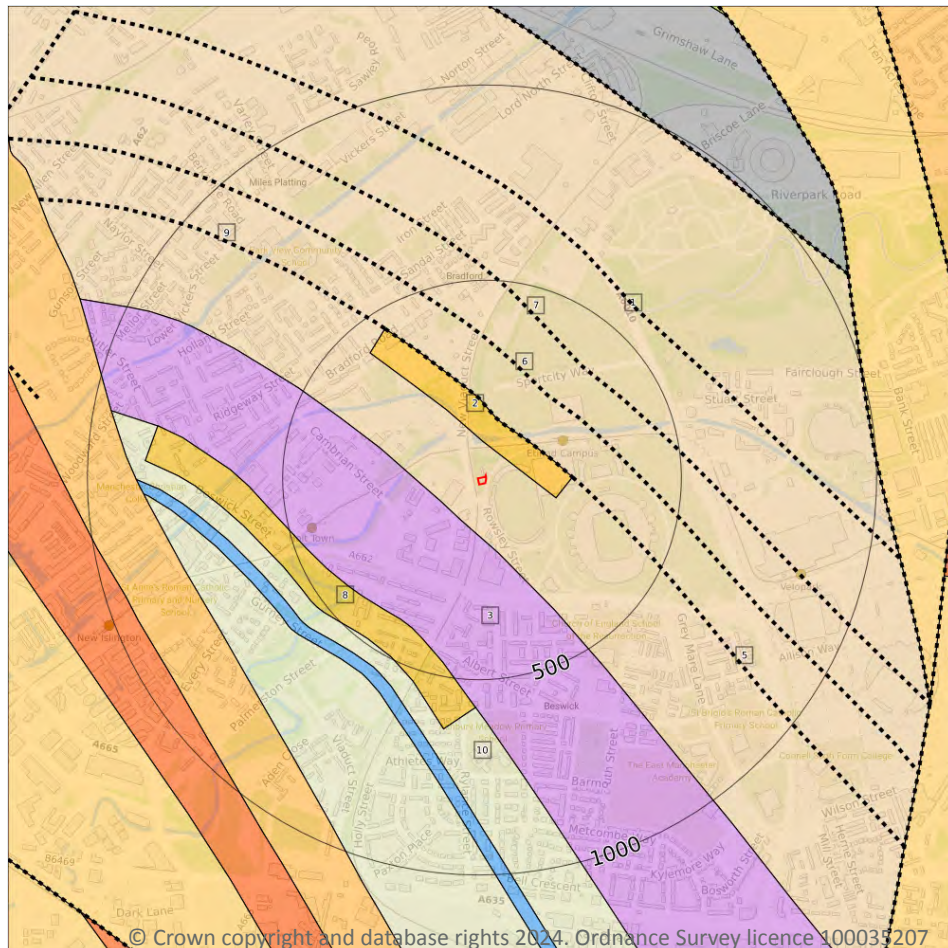
0

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

This data is sourced from the British Geological Survey.



Geology 1:50,000 scale - Bedrock



— Site Outline

Search buffers in metres (m)

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

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

15.8 Bedrock geology (50k)

Records within 500m

5

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 128 >](#)

ID	Location	LEX Code	Description	Rock age
1	On site	PUCM-MDSS	PENNINE UPPER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
2	65m NE	OPS-SDST	OPENSHAW SANDSTONE - SANDSTONE	WESTPHALIAN
3	99m SW	ETM-STMD	ETRURIA FORMATION - SANDSTONE AND MUDSTONE	WESTPHALIAN



ID	Location	LEX Code	Description	Rock age
8	399m SW	HTS-SDST	HOLT TOWN SANDSTONE BED - SANDSTONE	WESTPHALIAN
10	487m SW	HA-MDSS	HALESOWEN FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN

This data is sourced from the British Geological Survey.

15.9 Bedrock permeability (50k)

Records within 50m

1

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

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

This data is sourced from the British Geological Survey.

15.10 Bedrock faults and other linear features (50k)

Records within 500m

5

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.

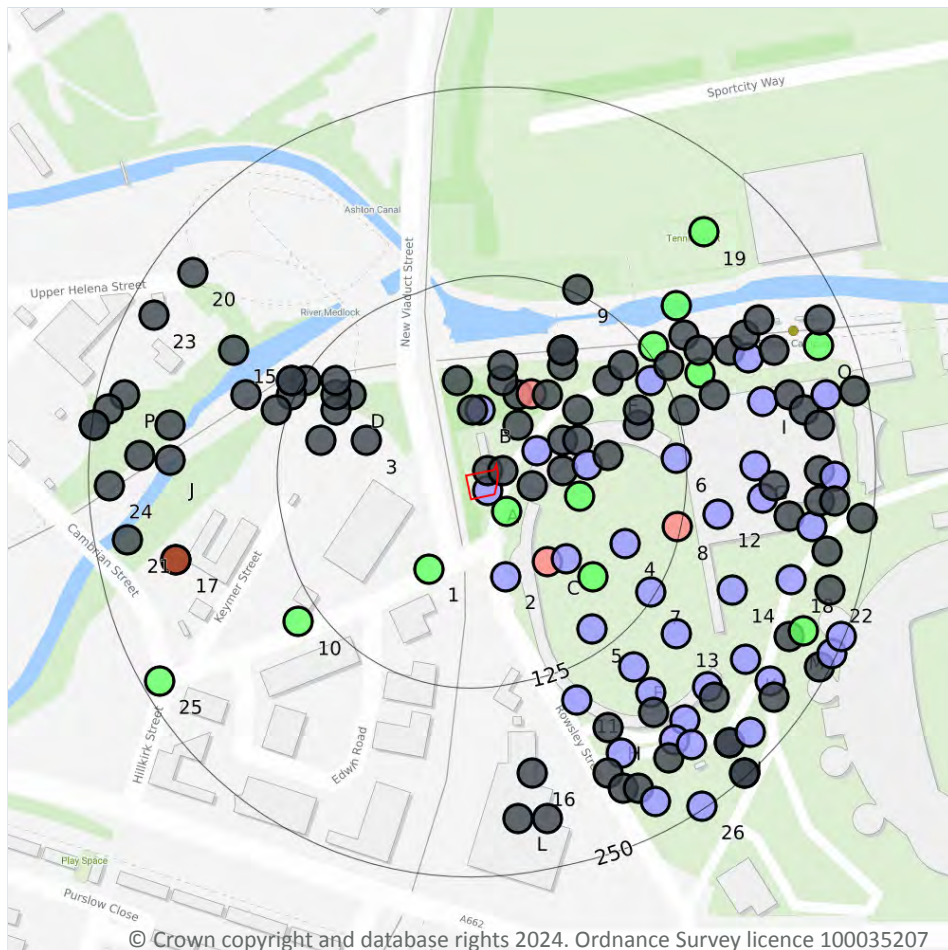
Features are displayed on the Geology 1:50,000 scale - Bedrock map on [page 128 >](#)

ID	Location	Category	Description
4	134m NE	ROCK	Coal seam, inferred
5	221m E	ROCK	Coal seam, inferred
6	259m NE	ROCK	Coal seam, inferred
7	373m NE	ROCK	Coal seam, inferred
9	451m NW	ROCK	Coal seam, inferred

This data is sourced from the British Geological Survey.



16 Boreholes



— Site Outline
Search buffers in metres (m)

- Confidential
- 0 - 10m
- 10 - 30m
- 30m+
- Unknown

16.1 BGS Boreholes

Records within 250m

139

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 130](#) >

ID	Location	Grid reference	Name	Length	Confidential	Web link
A	On site	386470 398647	MANCHESTER STADIUM PHASE1 TPA104	4.5	N	12700883 ↗
A	0m N	386470 398660	EASTLANDS PLOT 15 4/15	-	Y	N/A



ID	Location	Grid reference	Name	Length	Confidential	Web link
A	3m NE	386480 398660	EASTLANDS PLOT 15 TH 9/15	-	Y	N/A
A	14m SE	386483 398633	MANCHESTER STADIUM PHASE1 A36	11.8	N	12700635 ↗
A	24m E	386500 398650	EASTLANDS PLOT 15 TH 6/15	-	Y	N/A
A	29m NE	386503 398673	MANCHESTER STADIUM PHASE1 TPA15	4.5	N	12700751 ↗
A	30m NE	386490 398690	EASTLANDS PLOT 15 TH 7/15	-	Y	N/A
B	38m N	386465 398700	MANCHESTER STADIUM PHASE1 TPA14	4.5	N	12700750 ↗
B	39m N	386460 398700	EASTLANDS PLOT 15 TH 10/15	-	Y	N/A
A	43m E	386520 398660	EASTLANDS PLOT 15 R1/15	-	Y	N/A
A	47m NE	386520 398680	EASTLANDS PLOT 15 TH 4/15	-	Y	N/A
A	48m N	386490 398710	EASTLANDS PLOT 15 3/15	-	Y	N/A
A	52m NE	386499 398711	MANCHESTER STADIUM PHASE1 A11	38.0	N	12700579 ↗
1	54m SW	386431 398595	MANCHESTER CORP. PHILLIPS PARK ROAD	19.81	N	936475 ↗
2	55m S	386482 398590	MANCHESTER STADIUM PHASE1 TPA38	4.5	N	12700783 ↗
A	55m E	386531 398643	MANCHESTER CORP. PHILLIPS PARK ROAD	19.2	N	936476 ↗
A	56m N	386480 398720	MANCHESTER METROLINK-EAST OF ARDWICK VOL 1 BHZ1	-	Y	N/A
A	56m NE	386530 398680	EASTLANDS PLOT 15 1/15	-	Y	N/A
C	57m SE	386510 398600	EASTLANDS R6	64.0	N	936629 ↗
A	57m NE	386510 398710	EASTLANDS PLOT 15 TH 5/15	-	Y	N/A
A	59m E	386536 398664	MANCHESTER STADIUM PHASE1 TPA16	4.5	N	12700752 ↗
B	62m N	386450 398720	EASTLANDS PLOT 15 5/15	-	Y	N/A
C	63m SE	386522 398602	MANCHESTER STADIUM PHASE1 TPA108	3.6	N	12700889 ↗
A	65m NE	386530 398700	EASTLANDS PLOT 15 TH 2/15	-	Y	N/A
A	66m N	386480 398730	EASTLANDS PLOT 15 TH 8/15	-	Y	N/A



ID	Location	Grid reference	Name	Length	Confidential	Web link
3	70m W	386390 398680	MANCHESTER METROLINK-ADDITIONAL WORKS VOL 2 TPZ13	-	Y	N/A
A	74m E	386550 398670	EASTLANDS PLOT 15 TH 1/15	-	Y	N/A
A	79m NE	386520 398730	EASTLANDS PLOT 15 TH 3/15	-	Y	N/A
C	85m SE	386540 398590	MANCHESTER STADIUM PHASE1 A35	12.2	N	12700634 ↗
A	88m NE	386520 398740	EASTLANDS PLOT 15 2/15	-	Y	N/A
A	88m NE	386520 398740	ASHTON CANAL CORRIDOR TRANSCO PIPELINE BHT 1	-	Y	N/A
4	92m SE	386561 398612	MANCHESTER STADIUM PHASE1 TPA37	4.5	N	12700782 ↗
D	93m NW	386380 398710	MANCHESTER METROLINK-ADDITIONAL WORKS VOL 2 TPZ10	-	Y	N/A
E	93m NE	386550 398720	EASTLANDS PLOTS 16 & 17 1/16	-	Y	N/A
D	96m NW	386370 398700	MANCHESTER METROLINK-ADDITIONAL WORKS VOL 2 TPZ9	-	Y	N/A
E	98m E	386570 398690	EASTLANDS PLOTS 16 & 17 R/16	-	Y	N/A
D	99m W	386360 398680	MANCHESTER METROLINK-ADDITIONAL WORKS VOL 2 TPZ12	-	Y	N/A
E	101m NE	386570 398700	EASTLANDS PLOTS 16 & 17 TP 2/16	-	Y	N/A
D	101m NW	386370 398710	MANCHESTER METROLINK-ADDITIONAL WORKS VOL 2 BHZ5	-	Y	N/A
D	107m NW	386370 398720	MANCHESTER METROLINK-ADDITIONAL WORKS VOL 2 BHZ3	-	Y	N/A
E	107m NE	386560 398730	EASTLANDS PLOTS 16 & 17 TP 1/16	-	Y	N/A
5	110m SE	386539 398555	MANCHESTER STADIUM PHASE1 TPA39	4.5	N	12700784 ↗
E	116m NE	386578 398720	MANCHESTER STADIUM PHASE1 TPA13	4.5	N	12700748 ↗
6	118m E	386595 398668	MANCHESTER STADIUM PHASE1 TPA17	4.5	N	12700753 ↗
7	122m SE	386578 398580	MANCHESTER STADIUM PHASE1 TPA109	1.5	N	12700890 ↗
8	123m E	386596 398623	MANCHESTER STADIUM PHASE1 A12	30.95	N	12700586 ↗



ID	Location	Grid reference	Name	Length	Confidential	Web link
D	123m NW	386350 398720	MANCHESTER METROLINK-ADDITIONAL WORKS VOL 2 TPZ8	-	Y	N/A
D	128m NW	386340 398710	ASHTON CANAL CORRIDOR MEDLOCK STRUCTURES BHX 2	-	Y	N/A
9	128m NE	386530 398780	ASHTON CANAL CORRIDOR TRANSCO PIPELINE BHT 2	-	Y	N/A
E	129m E	386600 398700	EASTLANDS PLOT 18 1/18	-	Y	N/A
E	130m NE	386580 398742	MANCHESTER CORP. BRADFORD GAS WORKS	17.83	N	936477 ↗
E	132m NE	386590 398730	EASTLANDS PLOT 18 TH 2/18	-	Y	N/A
D	132m NW	386340 398720	MANCHESTER METROLINK-ADDITIONAL WORKS VOL 3 BHZ4	-	Y	N/A
D	132m NW	386340 398720	ASHTON CANAL CORRIDOR MEDLOCK STRUCTURES BHZ 4	-	Y	N/A
D	133m W	386330 398700	ASHTON CANAL CORRIDOR MEDLOCK STRUCTURES BHX 1	-	Y	N/A
10	140m SW	386345 398560	MANCHESTER CORP. DEVON STREET	17.37	N	936474 ↗
11	147m SE	386529 398508	MANCHESTER STADIUM PHASE1 TPA41	4.5	N	12700786 ↗
F	147m SE	386567 398530	MANCHESTER STADIUM PHASE1 A29	9.2	N	12700622 ↗
12	148m E	386623 398631	MANCHESTER STADIUM PHASE1 TPA20	4.5	N	12700758 ↗
E	148m NE	386611 398725	MANCHESTER STADIUM PHASE1 A37	13.1	N	12700636 ↗
E	151m NE	386600 398750	EASTLANDS PLOT 18 TH 3/18	-	Y	N/A
E	151m E	386620 398710	EASTLANDS PLOT 18 TH 1/18	-	Y	N/A
13	152m SE	386595 398552	MANCHESTER STADIUM PHASE1 TPA40	2.0	N	12700785 ↗
E	154m NE	386610 398740	MANCHESTER METROLINK-EAST OF ARDWICK VOL 1 BHZ2	-	Y	N/A
D	155m W	386310 398710	MANCHESTER METROLINK-ADDITIONAL WORKS VOL 2 TPZ7	-	Y	N/A
E	159m NE	386595 398769	MANCHESTER CORP. NEAR HAVEN STREET	17.98	N	936484 ↗
F	167m SE	386578 398513	MANCHESTER STADIUM PHASE1 TPA42	4.5	N	12700787 ↗



ID	Location	Grid reference	Name	Length	Confidential	Web link
14	170m SE	386632 398581	MANCHESTER STADIUM PHASE1 TPA36	4.5	N	12700780 ↗
G	170m E	386647 398663	MANCHESTER STADIUM PHASE1 TPA18	4.2	N	12700755 ↗
E	172m NE	386630 398740	EASTLANDS PLOT 19 TH 3/19	-	Y	N/A
H	172m SE	386550 398490	EASTLANDS PLOT 1 - 10 TH 1/1	-	Y	N/A
15	175m NW	386302 398740	HOLT TOWN F	-	Y	N/A
G	176m E	386652 398642	MANCHESTER STADIUM PHASE1 TPA19	4.5	N	12700757 ↗
F	179m SE	386580 398500	EASTLANDS PLOT 1 - 10 TH 3/1	-	Y	N/A
I	181m E	386652 398706	MANCHESTER STADIUM PHASE1 TPA11	4.5	N	12700745 ↗
E	182m NE	386643 398735	MANCHESTER STADIUM PHASE1 TPA12	4.5	N	12700747 ↗
G	183m E	386660 398650	EASTLANDS PLOT 14 TH 3/14	-	Y	N/A
E	185m NE	386640 398750	EASTLANDS PLOT 19 1/19	-	Y	N/A
16	186m S	386500 398460	MERCEDES BENZ MANCHESTER TP 4	-	Y	N/A
F	190m SE	386616 398517	MANCHESTER STADIUM PHASE1 TPA43	4.5	N	12700790 ↗
H	191m SE	386559 398473	MANCHESTER STADIUM PHASE1 TPA66	4.1	N	12700820 ↗
G	195m E	386670 398630	EASTLANDS PLOT 14 TH 5/14	-	Y	N/A
F	196m SE	386601 398495	MANCHESTER STADIUM PHASE1 TPST4	2.4	N	12700967 ↗
J	196m W	386260 398667	HOLT TOWN M	-	Y	N/A
F	198m SE	386620 398510	EASTLANDS PLOT 1 - 10 TH 6/1	-	Y	N/A
E	199m NE	386650 398760	EASTLANDS PLOT 19 R1/19	-	Y	N/A
J	199m W	386260 398690	ASHTON CANAL CORRIDOR HOLT TOWN INDUSTRIAL ESTATE VOL 1 BHW 1	-	Y	N/A
K	199m SE	386641 398535	MANCHESTER STADIUM PHASE1 TPA44	4.5	N	12700792 ↗
E	199m NE	386660 398740	EASTLANDS PLOT 19 TH 2/19	-	Y	N/A
H	199m SE	386550 398460	EASTLANDS PLOT 1 - 10 1/1	-	Y	N/A



ID	Location	Grid reference	Name	Length	Confidential	Web link
17	199m W	386264 398601	BORING AT KEYNES STREET	-1.0	N	936545 ↗
I	199m E	386670 398710	EASTLANDS PLOT 14 TH 1/14	-	Y	N/A
F	201m SE	386594 398482	MANCHESTER STADIUM PHASE1 TPST5	2.2	N	12700968 ↗
18	204m E	386671 398588	MANCHESTER STADIUM PHASE1 TPA35	4.5	N	12700779 ↗
19	206m NE	386613 398818	MANCHESTER CORP. BRADFORD GAS WORKS	11.58	N	936478 ↗
I	207m E	386680 398700	EASTLANDS PLOT 14 1/14	-	Y	N/A
F	209m SE	386590 398470	EASTLANDS PLOT 1 - 10 TH 4/1	-	Y	N/A
F	211m SE	386605 398479	MANCHESTER STADIUM PHASE1 TPA65	4.5	N	12700819 ↗
G	211m E	386685 398623	MANCHESTER STADIUM PHASE1 TPA34	4.5	N	12700778 ↗
H	212m SE	386560 398450	EASTLANDS PLOT 1 - 10 R1/1	-	Y	N/A
G	213m E	386690 398660	EASTLANDS PLOT 14 TH 4/14	-	Y	N/A
L	213m S	386490 398430	MERCEDES BENZ MANCHESTER TP 1	-	Y	N/A
G	214m E	386690 398640	EASTLANDS PLOT 14 2/14	-	Y	N/A
I	215m E	386690 398690	EASTLANDS PLOT 14 TH 2/14	-	Y	N/A
J	216m W	386240 398670	ASHTON CANAL CORRIDOR HOLT TOWN INDUSTRIAL ESTATE VOL 1 BHW 2	-	Y	N/A
H	216m SE	386570 398450	EASTLANDS PLOT 1 - 10 TH 2/1	-	Y	N/A
M	217m SE	386670 398550	EASTLANDS PLOT 1 - 10 R2/1	-	Y	N/A
L	217m S	386510 398430	MERCEDES BENZ MANCHESTER TP 5	-	Y	N/A
K	220m SE	386657 398521	MANCHESTER STADIUM PHASE1 TPST3	2.5	N	12700966 ↗
I	223m E	386694 398710	MANCHESTER STADIUM PHASE1 TPA10	4.5	N	12700744 ↗
G	223m E	386700 398656	MANCHESTER STADIUM PHASE1 TPA21	4.5	N	12700760 ↗
G	223m E	386695 398607	ETIHAD STADIUM BHNS1E	-	Y	N/A
M	223m SE	386679 398554	MANCHESTER STADIUM PHASE1 PHA01	19.0	N	12700638 ↗



ID	Location	Grid reference	Name	Length	Confidential	Web link
G	224m E	386700 398640	EASTLANDS PLOT 14 TH 6/14	-	Y	N/A
20	225m NW	386275 398791	HOLT TOWN D	-	Y	N/A
N	226m SE	386630 398480	EASTLANDS PLOT 1 - 10 2/1	-	Y	N/A
N	226m SE	386630 398480	EASTLANDS PLOT 6 TH 1	-	Y	N/A
O	227m E	386689 398743	MANCHESTER STADIUM PHASE1 PHA05	21.0	N	12700739 ↗
21	228m W	386232 398614	HOLT TOWN L	-	Y	N/A
K	229m SE	386660 398510	EASTLANDS PLOT 1 - 10 TH 9/1	-	Y	N/A
H	229m SE	386581 398441	MANCHESTER STADIUM PHASE1 TPA67	3.5	N	12700823 ↗
22	231m E	386697 398581	ETIHAD STADIUM WSNS1	-	Y	N/A
N	231m SE	386644 398487	MANCHESTER STADIUM PHASE1 TPA64	4.2	N	12700818 ↗
P	232m W	386230 398710	ASHTON CANAL CORRIDOR HOLT TOWN INDUSTRIAL ESTATE VOL 1 BHW 5	-	Y	N/A
23	233m NW	386249 398763	HOLT TOWN E	-	Y	N/A
O	235m NE	386690 398760	EASTLANDS PLOT 19 TH 1/19	-	Y	N/A
24	236m W	386220 398650	ASHTON CANAL CORRIDOR HOLT TOWN INDUSTRIAL ESTATE VOL 1 BHW 4	-	Y	N/A
25	239m SW	386253 398521	MANCHESTER CORP. PHILLIPS PARK ROAD	14.78	N	936473 ↗
P	241m W	386219 398701	HOLT TOWN H	-	Y	N/A
I	242m E	386713 398713	MANCHESTER STADIUM PHASE 1 A04	-	Y	N/A
G	243m E	386718 398629	ETIHAD STADIUM BHNS4	-	Y	N/A
M	244m SE	386690 398530	EASTLANDS PLOT 1 - 10 TH 12/1	-	Y	N/A
M	247m SE	386698 398539	MANCHESTER STADIUM PHASE1 TPST2	2.0	N	12700965 ↗
N	248m SE	386640 398460	EASTLANDS PLOT 6 TH 2	-	Y	N/A
N	248m SE	386640 398460	EASTLANDS PLOT 1 - 10 TH 8/1	-	Y	N/A
26	248m SE	386612 398438	MANCHESTER STADIUM PHASE1 TPST7	0.5	N	12700961 ↗
M	248m SE	386704 398550	MANCHESTER STADIUM PHASE1 TPA45	4.5	N	12700794 ↗

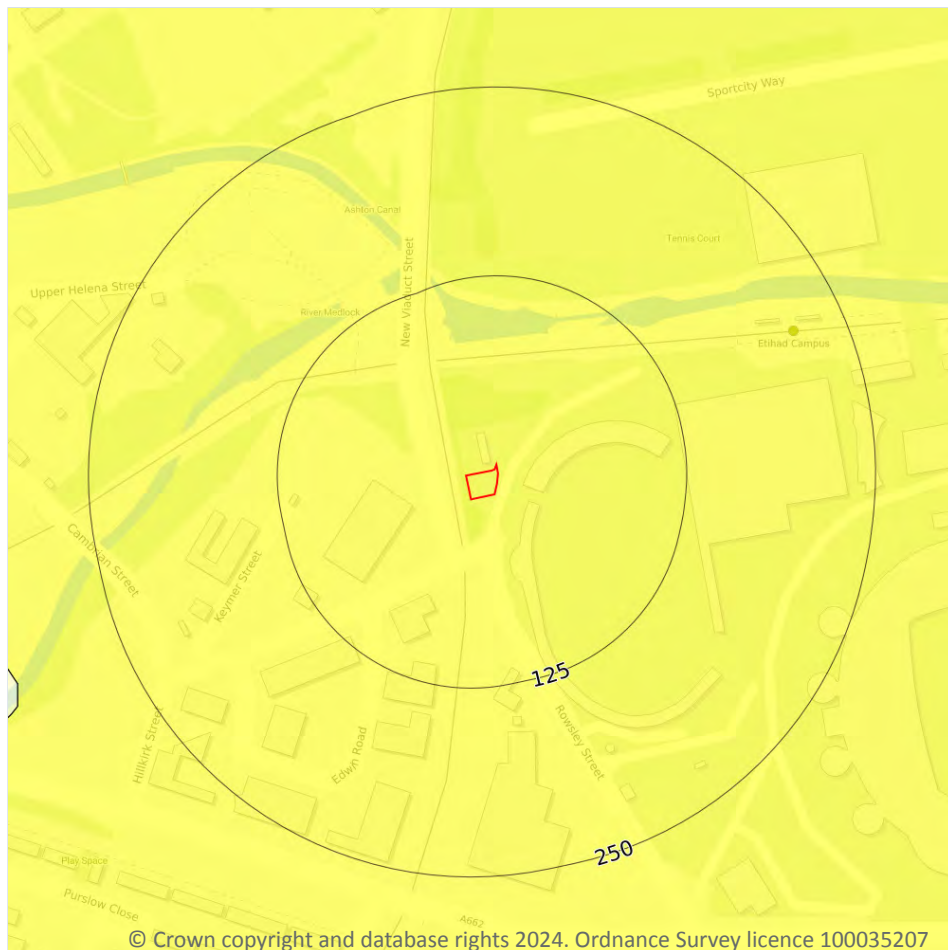


ID	Location	Grid reference	Name	Length	Confidential	Web link
P	248m W	386210 398690	ASHTON CANAL CORRIDOR HOLT TOWN INDUSTRIAL ESTATE VOL 1 BHW 3	-	Y	N/A
P	248m W	386210 398690	ASHTON CANAL CORRIDOR HOLT TOWN INDUSTRIAL ESTATE VOL 1 BHW 3A	-	Y	N/A

This data is sourced from the British Geological Survey.



17 Natural ground subsidence - Shrink swell clays



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

17.1 Shrink swell clays

Records within 50m

1

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

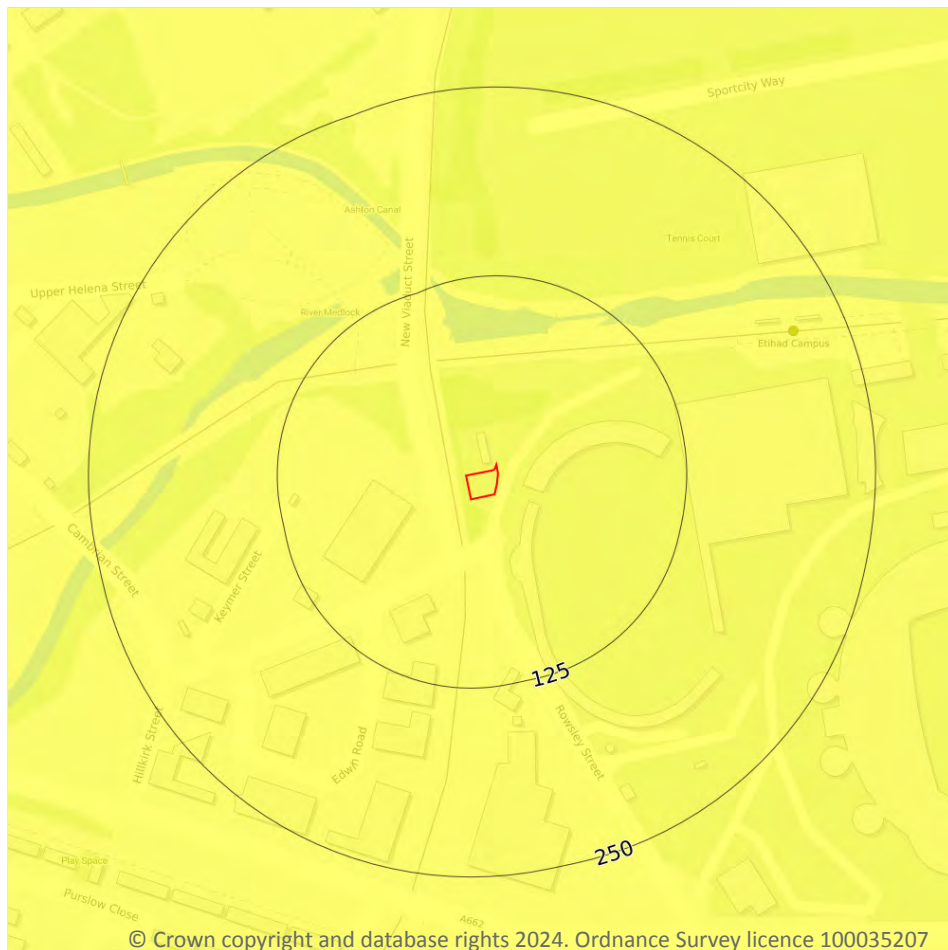
Features are displayed on the Natural ground subsidence - Shrink swell clays map on [page 138 >](#)

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

This data is sourced from the British Geological Survey.



Natural ground subsidence - Running sands



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

17.2 Running sands

Records within 50m

1

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

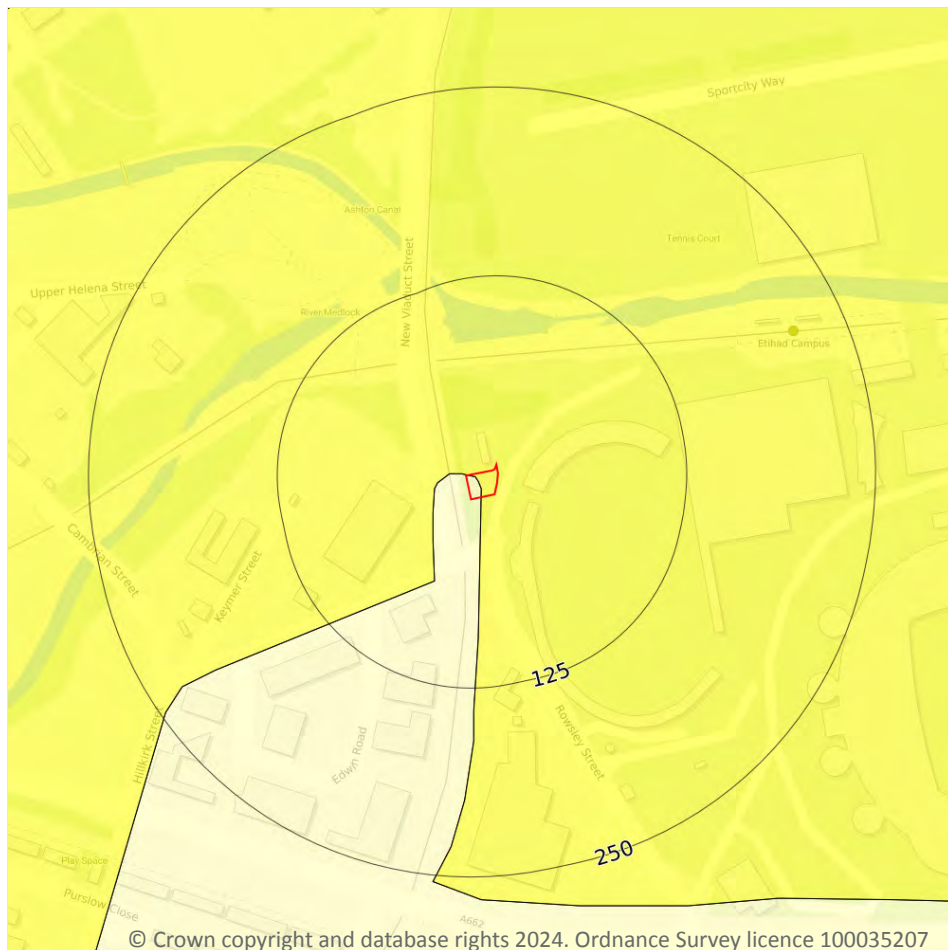
Features are displayed on the Natural ground subsidence - Running sands map on [page 139](#) >

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

This data is sourced from the British Geological Survey.



Natural ground subsidence - Compressible deposits



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

17.3 Compressible deposits

Records within 50m

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 140](#) >

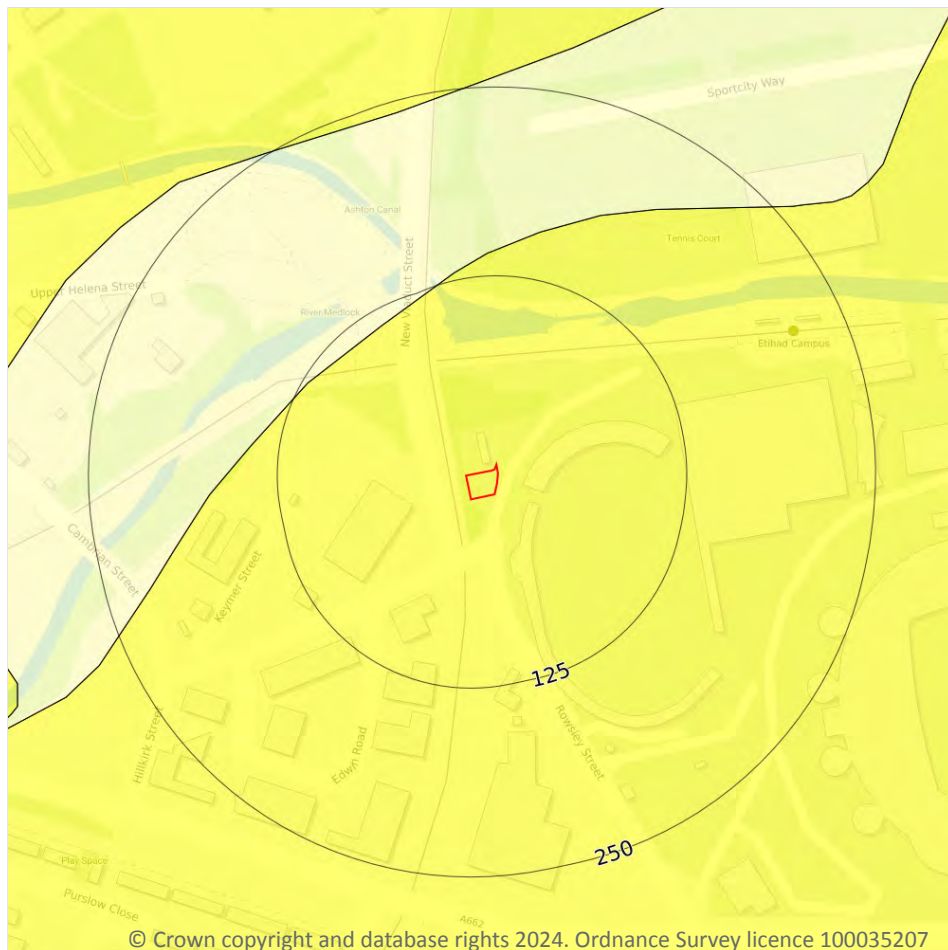
Location	Hazard rating	Details
On site	Negligible	Compressible strata are not thought to occur.
On site	Very low	Compressibility and uneven settlement problems are not likely to be significant on the site for most land uses.



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.

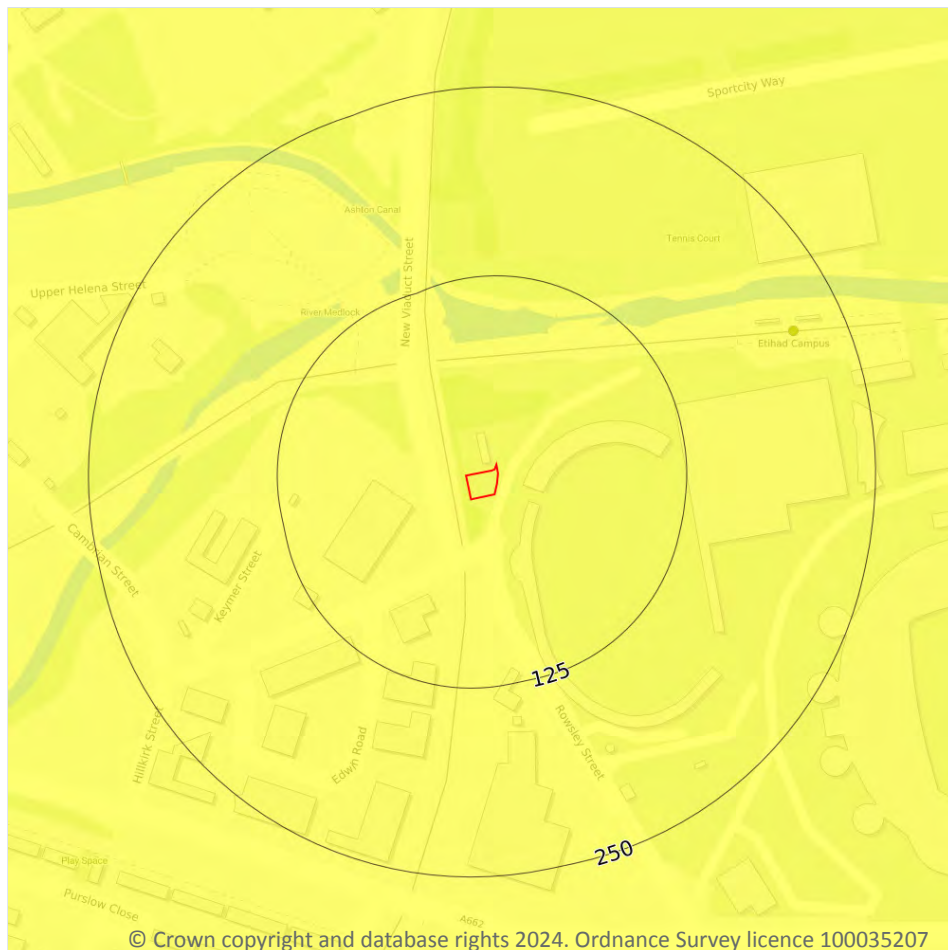
Features are displayed on the Natural ground subsidence - Collapsible deposits map on [page 142 >](#)

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

This data is sourced from the British Geological Survey.



Natural ground subsidence - Landslides



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

17.5 Landslides

Records within 50m

1

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

Features are displayed on the Natural ground subsidence - Landslides map on [page 143](#) >

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



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

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 144](#) >

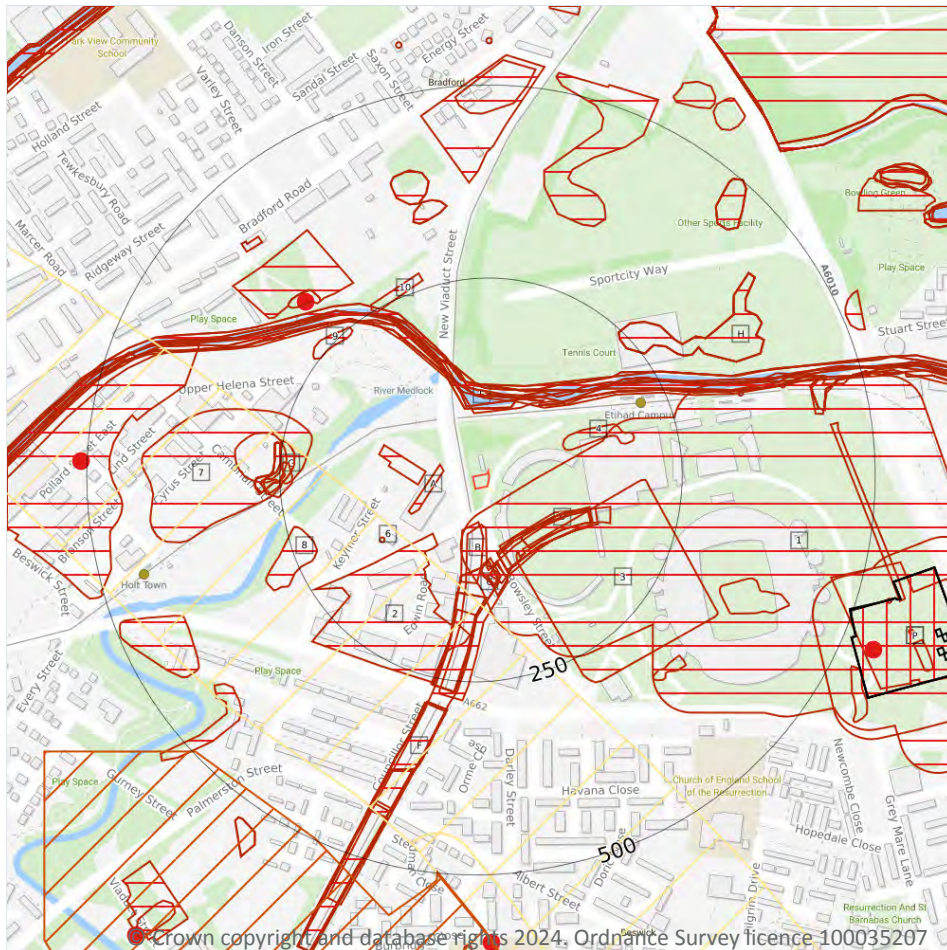
Location	Hazard rating	Details
On site	Negligible	Soluble rocks are either not thought to be present within the ground, or not prone to dissolution. Dissolution features are unlikely to be present.



This data is sourced from the British Geological Survey.



18 Mining and ground workings



- Site Outline
- Search buffers in metres (m)
- BritPits
- ▢ Surface ground workings
- ▢ Underground workings
- ▢ Underground mining extents
- ▢ Historical mineral planning areas
- ▢ TCA non-coal mining
- Non Coal Mining
- ▢ Sporadic underground mining of restricted extent possible
- ▢ Localised small scale underground mining possible
- ▢ Small scale mining possible
- ▢ Underground mining known or likely within or in close proximity
- ▢ Underground mining known within or in very close proximity

18.1 BritPits

Records within 500m

1

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 and ground workings map on [page 146](#) >



ID	Location	Details	Description
I	313m NW	Name: Glenden Hall Brick Field Address: Miles Platting, MANCHESTER, Lancashire Commodity: Clay & Shale Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority

This data is sourced from the British Geological Survey.

18.2 Surface ground workings

Records within 250m	53
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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 and ground workings map on [page 146 >](#)

ID	Location	Land Use	Year of mapping	Mapping scale
1	24m SE	Colliery	1968	1:10560
A	39m W	Pond	1891	1:10560
B	43m S	Cuttings	1956	1:10560
C	47m S	Cuttings	1891	1:10560
A	62m W	Reservoir	1956	1:10560
D	74m SE	Cuttings	1956	1:10560
D	75m SE	Cuttings	1938	1:10560
D	75m SE	Cuttings	1933	1:10560
D	75m SE	Cuttings	1921	1:10560
E	77m N	Canal	1991	1:10000
D	79m SE	Cuttings	1906	1:10560
D	79m SE	Cuttings	1923	1:10560
D	79m SE	Cuttings	1968	1:10560
D	79m SE	Cuttings	1978	1:10000
2	80m SW	Brick Field	1851	1:10560
E	82m N	Canal	1968	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
E	82m N	Canal	1956	1:10560
D	83m SE	Cuttings	1985	1:10000
E	87m N	Canal	1985	1:10000
E	87m N	Canal	1978	1:10000
B	92m S	Cuttings	1956	1:10560
3	93m SE	Reservoir	1851	1:10560
E	94m N	Canal	1923	1:10560
C	96m S	Cuttings	1938	1:10560
C	96m S	Cuttings	1906	1:10560
C	96m S	Cuttings	1923	1:10560
E	97m N	Canal	1938	1:10560
E	97m N	Canal	1933	1:10560
E	97m N	Canal	1921	1:10560
E	97m N	Canal	1906	1:10560
E	97m N	Canal	1891	1:10560
B	97m S	Cuttings	1968	1:10560
B	101m S	Cuttings	1991	1:10000
4	102m NE	Pond	1851	1:10560
6	135m SW	Brick Kiln	1851	1:10560
C	136m S	Cuttings	1933	1:10560
C	136m S	Cuttings	1921	1:10560
F	158m S	Cuttings	1956	1:10560
7	213m W	Reservoir	1851	1:10560
8	220m SW	Pond	1851	1:10560
G	232m W	Unspecified Heap	1968	1:10560
G	232m W	Unspecified Heap	1956	1:10560
G	234m W	Unspecified Ground Workings	1891	1:10560
H	239m NE	Unspecified Ground Workings	1923	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
H	239m NE	Unspecified Ground Workings	1921	1:10560
H	239m NE	Unspecified Ground Workings	1906	1:10560
9	242m NW	Unspecified Ground Workings	1968	1:10560
G	244m W	Unspecified Ground Workings	1923	1:10560
G	244m W	Unspecified Ground Workings	1938	1:10560
G	244m W	Unspecified Ground Workings	1933	1:10560
G	244m W	Unspecified Ground Workings	1921	1:10560
G	244m W	Unspecified Ground Workings	1906	1:10560
10	247m NW	Pond	1891	1:10560

This is data is sourced from Ordnance Survey/Groundsure.

18.3 Underground workings

Records within 1000m

7

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

Features are displayed on the Mining and ground workings map on [page 146](#) >

ID	Location	Land Use	Year of mapping	Mapping scale
P	496m E	Colliery	1923	1:10560
P	496m E	Colliery	1921	1:10560
P	496m E	Colliery	1906	1:10560
P	610m E	Unspecified Shafts	1978	1:10000
P	619m E	Unspecified Disused Shafts	1985	1:10000
P	620m E	Unspecified Shafts	1978	1:10000
P	629m E	Unspecified Disused Shafts	1985	1:10000

This is data is sourced from Ordnance Survey/Groundsure.



18.4 Underground mining extents

Records within 500m

0

This data identifies underground mine workings that could present a potential risk, including adits and seam workings. These features have been identified from BGS Geological mapping and mine plans sourced from the BGS and various collections and sources.

This data is sourced from 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

5

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 and ground workings map on [page 146 >](#)

ID	Location	Name	Commodity	Class	Likelihood
5	108m SW	Not available	Vein Mineral	A	Underground mine workings are uncommon, although the geology is similar to that worked elsewhere. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
19	438m SW	Not available	Building stone (zone of influence)	NA	Zone of influence only
O	449m S	Not available	Building stone (zone of influence)	A	Underground mine workings are uncommon, although the geology is similar to that worked elsewhere. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
21	488m SW	Ardwick	Limestone - Ardwick	D	Underground mining is considered likely to have occurred within or close to the area. The location, extent and nature of mining should be considered in any site investigation. Potential for difficult ground conditions should be considered.



ID	Location	Name	Commodity	Class	Likelihood
O	499m S	Ardwick	Limestone - Ardwick/Vein Mineral	D	Underground mining is considered likely to have occurred within or close to the area. The location, extent and nature of mining should be considered in any site investigation. Potential for difficult ground conditions should be considered.

This data is sourced from the British Geological Survey.

18.7 JPB mining areas

Records on site

1

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

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

This data is sourced from Johnson Poole and Bloomer.

18.8 The Coal Authority non-coal mining

Records within 500m

0

This data provides an indication of the potential zone of influence of recorded underground non-coal mining workings. Any and all analysis and interpretation of Coal Authority Data in this report is made by Groundsure, and is in no way supported, endorsed or authorised by the Coal Authority. The use of the data is restricted to the terms and provisions contained in this report. Data reproduced in this report may be the copyright of the Coal Authority and permission should be sought from Groundsure prior to any re-use.

This data is sourced from The Coal Authority.

18.9 Researched mining

Records within 500m

1

This data indicates areas of potential mining identified from alternative or archival sources, including; BGS Geological paper maps, Lidar data, aerial photographs (from World War II onwards), archaeological data services, websites, Tithe maps, and various text/plans from collected books and reports. Some of this data is approximate and Groundsure have interpreted the resultant risk area and, where possible, specific areas of risk have been captured.



Location	Mineral type
257m S	Stone

This data is sourced from Groundsure.

18.10 Mining record office plans

Records within 500m	0
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This dataset is representative of Mining Record Office and/or plan extents held by Groundsure and should be considered approximate. Where possible, plans have been located and any specific areas of risk they depict have been captured.

This data is sourced from Groundsure.

18.11 BGS mine plans

Records within 500m	0
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This dataset is representative of BGS mine plans held by Groundsure and should be considered approximate. Where possible, plans have been located and any specific areas of risk they depict have been captured.

This data is sourced from Groundsure.

18.12 Coal mining

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

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

This data is sourced from the Coal Authority.

18.13 Brine areas

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

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



18.14 Gypsum areas

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

This data is sourced from British Gypsum.

18.15 Tin mining

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

This data is sourced from Groundsure.

18.16 Clay mining

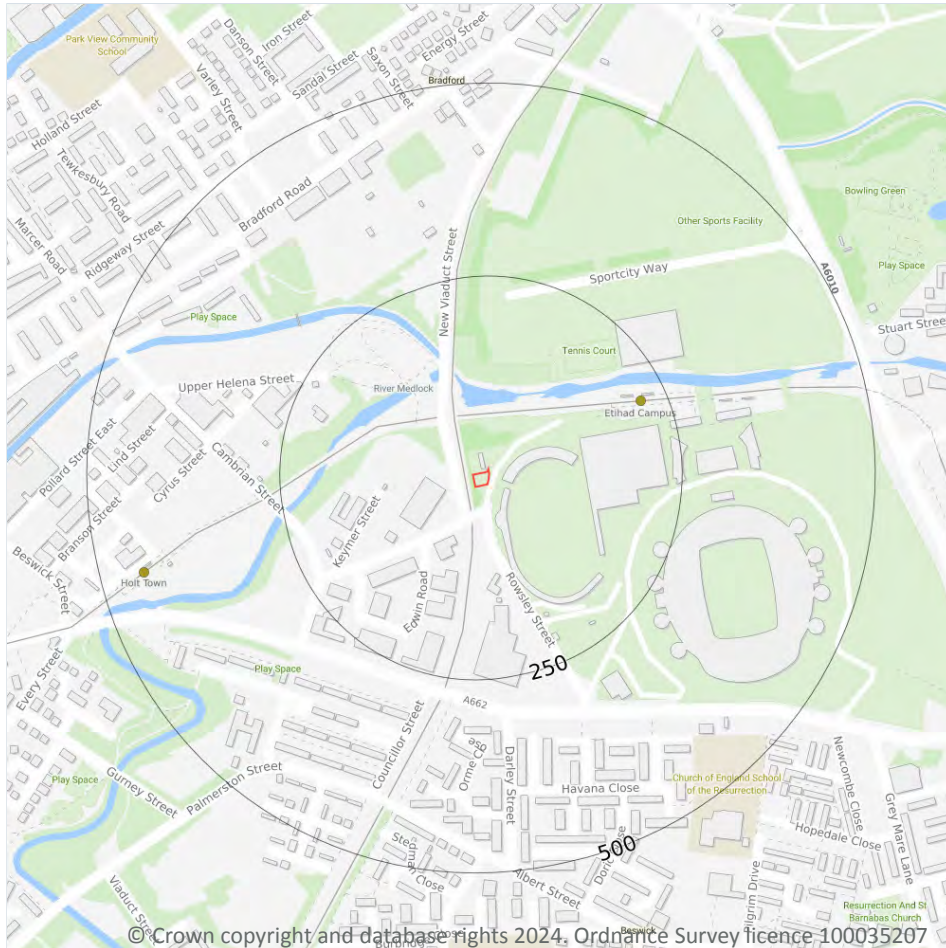
Records on site	0
-----------------	---

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 Ground cavities and sinkholes



- Site Outline
- Search buffers in metres (m)
- Natural cavities (Area)
- Natural cavities (Point)
- Mining cavities
- Reported recent incidents
- Historical incidents
- BGS karst database (Point)
- BGS karst database (Line)
- BGS karst database (Area)

19.1 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.



19.2 Mining cavities

Records within 1000m

2

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 Ground cavities and sinkholes map on [page 154 >](#)

ID	Location	Mine Address	Mineral	Data source	Publisher
-	739m E	Manchester, Greater Manchester	Fireclay	'Underground Manchester - Secrets of the city revealed'	Willow Publishing
-	831m SE	Ardwick, Greater Manchester	Bath Stone, Cornstone, Limestone	CATALOGUE OF PLANS OF ABANDONED MINES (NON COAL)	-

This data is sourced from Stantec UK Ltd.

19.3 Reported recent incidents

Records within 500m

0

This data identifies sinkhole information gathered from media reports and Groundsure's own records. This data goes back to 2014 and includes relative accuracy ratings for each event and links to the original data sources. The data is updated on a regular basis and should not be considered a comprehensive catalogue of all sinkhole events. The absence of data in this database does not mean a sinkhole definitely has not occurred during this time.

This data is sourced from Groundsure.

19.4 Historical incidents

Records within 500m

0

This dataset comprises an extract of 1:10,560, 1:10,000, 1:2,500 and 1:1,250 scale historical Ordnance Survey maps held by Groundsure, dating back to the 1840s. It shows shakeholes, deneholes and other 'holes' as noted on these maps. Dene holes are medieval chalk extraction pits, usually comprising a narrow shaft with a number of chambers at the base of the shaft. Shakeholes are an alternative name for suffusion sinkholes, most commonly found in the limestone landscapes of North Yorkshire but also extensively noted around the Brecon Beacons National Park.

Not all 'holes' noted on Ordnance Survey mapping will necessarily be present within this dataset.

This data is sourced from Groundsure.



19.5 National karst database

Records within 500m

0

This is a comprehensive database of national karst information gathered from a wide range of sources. BGS have collected data on five main types of karst feature: Sinkholes, stream links, caves, springs, and incidences of associated damage to buildings, roads, bridges and other engineered works.

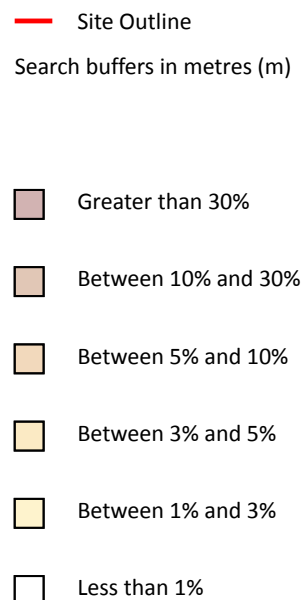
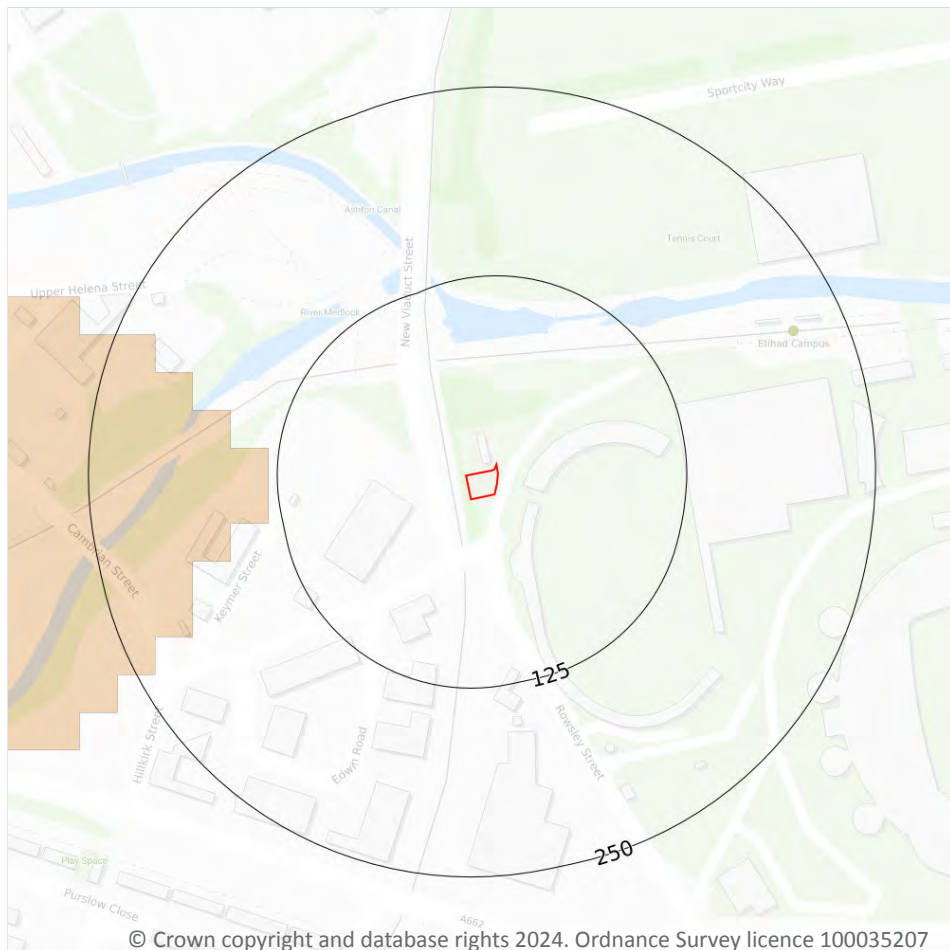
Since the database was set up in 2002 data covering most of the evaporite karst areas of the UK have now been added, along with data covering about 60% of the Chalk, and 35% of the Carboniferous Limestone outcrops. Many of the classic upland karst areas have yet to be included. Recorded so far are: Over 800 caves, 1300 stream sinks, 5600 springs, 10,000 sinkholes.

The database is not yet complete, and not all records have been verified. The absence of data does not mean that karst features are not present at a site. A reliability rating is included with each record.

This data is sourced from the British Geological Survey.



20 Radon



20.1 Radon

Records on site

1

The Radon Potential data classifies areas based on their likelihood of a property having a radon level at or above the Action Level in Great Britain. The dataset is intended for use at 1:50,000 scale and was derived from both geological assessments and indoor radon measurements (more than 560,000 records). A minimum 50m buffer should be considered when searching the maps, as the smallest detectable feature at this scale is 50m. The findings of this section should supersede any estimations derived from the Indicative Atlas of Radon in Great Britain (1:100,000 scale).

Features are displayed on the Radon map on [page 157](#) >

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



This data is sourced from the British Geological Survey and UK Health Security Agency.



21 Soil chemistry

21.1 BGS Estimated Background Soil Chemistry

Records within 50m

2

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

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	15 - 25 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg
23m E	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.

21.2 BGS Estimated Urban Soil Chemistry

Records within 50m

5

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

Location	Arsenic (mg/kg)	Bioaccessible Arsenic (mg/kg)	Lead (mg/kg)	Bioaccessible Lead (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Copper (mg/kg)	Nickel (mg/kg)	Tin (mg/kg)
On site	31	5.4	87	60	0.3	209	34	39	4
23m E	25	4.4	54	37	0.3	165	13	36	4
36m N	39	6.8	95	65	0.3	225	34	45	4
41m S	28	4.9	81	56	0.3	173	39	36	4
43m NE	32	5.6	52	36	0.3	179	13	43	4

This data is sourced from the British Geological Survey.



21.3 BGS Measured Urban Soil Chemistry

Records within 50m

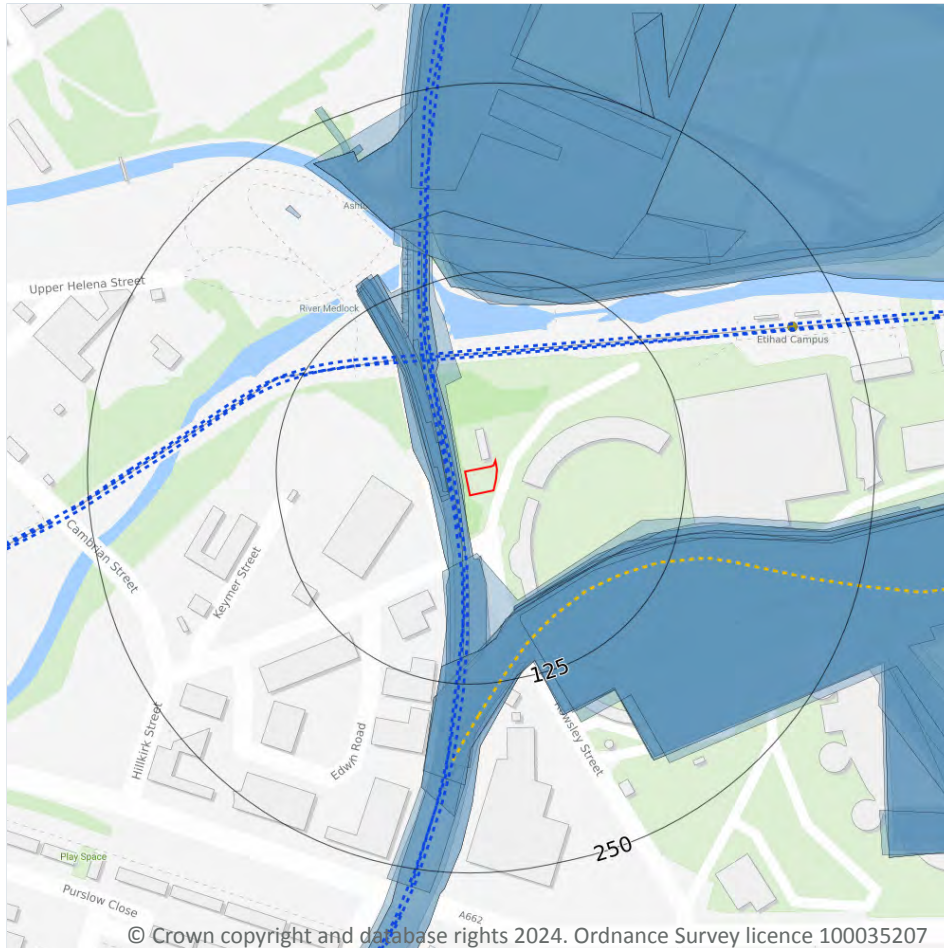
0

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

This data is sourced from the British Geological Survey.



22 Railway infrastructure and projects



- Site Outline
- Search buffers in metres (m)
- C1 Crossrail 1 Stations
- Crossrail 1 Route
- C2 Crossrail 2 Stations
- Crossrail 2 Route
- Crossrail 2 Worksites
- Crossrail 2 Safeguarding
- Crossrail 2 Headhouses
- Railway stations
- Active railways
- Active tunnels
- Abandoned railways
- Historic railways
- Historic tunnels
- Underground stations
- Underground Lines
- Royal Mail tunnels
- HS2 optimised route
- HS2 Stations
- HS2 Depots
- HS2 Surface Safeguarding
- HS2 Subsurface Safeguarding

22.1 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.

22.2 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.

22.3 Railway tunnels

Records within 250m	0
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Railway tunnels taken from contemporary Ordnance Survey mapping.

This data is sourced from the Ordnance Survey.

22.4 Historical railway and tunnel features

Records within 250m	61
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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 161](#) >

Location	Land Use	Year of mapping	Mapping scale
3m W	Railways	1922	-
5m W	Railway	1891	-
5m W	Railway	1905	-
7m W	Railway Sidings	1908	2500
9m W	Railway Sidings	1893	2500
13m W	Railway Sidings	1922	2500
13m W	Railway Sidings	1931	2500
14m W	Railway Sidings	1891	500
25m NW	Railway Sidings	1948	1250
39m S	Railway Sidings	1978	10000
74m SE	Railway Sidings	1956	10560
75m SE	Railway Sidings	1921	10560
75m SE	Railway Sidings	1938	10560
75m SE	Railway Sidings	1933	10560
76m SE	Railway Sidings	1968	10560
77m SE	Railway Sidings	1906	10560
77m SE	Railway Sidings	1923	10560



Location	Land Use	Year of mapping	Mapping scale
80m SE	Railway Sidings	1891	10560
82m SE	Railway Sidings	1948	1250
83m SE	Railway Sidings	1958	2500
87m SE	Railway Sidings	1931	2500
89m SE	Railway Sidings	1955	1250
95m SE	Railway Sidings	1922	2500
99m SE	Railway Sidings	1955	1250
104m N	Railway Sidings	1956	10560
104m SE	Railway Sidings	1891	500
109m N	Railway Sidings	1958	2500
110m N	Railway Sidings	1938	10560
110m N	Railway Sidings	1933	10560
110m N	Railway Sidings	1948	1250
110m N	Railway Sidings	1955	1250
111m N	Railway Sidings	1948	1250
113m N	Railway Sidings	1968	10560
115m N	Railway Sidings	1978	10000
119m S	Railway Sidings	1922	2500
121m S	Railway Sidings	1891	500
141m NE	Railway Sidings	1955	1250
141m S	Railway Sidings	1980	1250
141m S	Railway Sidings	1958	1250
141m S	Railway Sidings	1948	1250
141m S	Railway Sidings	1979	1250
141m S	Railway Sidings	1986	1250
141m S	Railway Sidings	1983	1250
145m N	Railway Sidings	1923	10560
150m N	Railway Sidings	1921	10560



Location	Land Use	Year of mapping	Mapping scale
150m N	Railway Sidings	1906	10560
154m S	Railway Sidings	1987	1250
155m S	Railway Sidings	1993	1250
156m N	Tramway Sidings	1922	2500
157m N	Tramway Sidings	1908	2500
162m NE	Railway Sidings	1922	2500
169m NE	Overhead Tramway Sidings	1948	1250
176m NE	Tramway Sidings	1931	2500
180m E	Railway Sidings	1979	1250
180m E	Railway Sidings	1987	1250
181m N	Railway Sidings	1891	10560
188m N	Railway Sidings	1891	500
201m NW	Railway Sidings	1891	500
203m N	Railway Sidings	1948	1250
224m E	Railway Sidings	1891	500
246m N	Railway Sidings	1948	1250

This data is sourced from Ordnance Survey/Groundsure.

22.5 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.



22.6 Historical railways

Records within 250m

2

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 161](#) >

Location	Description
90m SE	Razed
146m S	Abandoned

This data is sourced from OpenStreetMap.

22.7 Railways

Records within 250m

31

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 161](#) >

Location	Name	Type
8m W	Philips Park and Ashburys Branch	rail
11m W	Not given	Multi Track
12m W	Philips Park and Ashburys Branch	rail
48m S	Not given	Multi Track
65m NW	Philips Park and Ashburys Branch	rail
67m NW	Philips Park and Ashburys Branch	rail
69m NW	Not given	Multi Track
70m N		light_rail
72m N	Not given	Multi Track
73m S	Not given	Multi Track
74m N		light_rail
79m S	Not given	Multi Track
87m N	Philips Park and Ashburys Branch	rail
87m NW	Not given	Multi Track



Location	Name	Type
88m NW	Philips Park and Ashburys Branch	rail
91m N	Not given	Multi Track
101m NW		light_rail
104m NW		light_rail
112m N	Not given	Multi Track
118m N	Philips Park and Ashburys Branch	rail
122m N	Philips Park and Ashburys Branch	rail
150m W		light_rail
152m W	Not given	Multi Track
153m W		light_rail
166m NE	Not given	Multi Track
171m N	Philips Park and Ashburys Branch	rail
173m N	Philips Park and Ashburys Branch	rail
193m N	Not given	Multi Track
213m W	Not given	Multi Track
220m W		light_rail
222m W		light_rail

This data is sourced from Ordnance Survey and OpenStreetMap.

22.8 Crossrail 1

Records within 500m	0
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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.



22.9 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.

22.10 HS2

Records within 500m

0

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

This data is sourced from HS2 Ltd.



Data providers

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

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