

CORPORATION ROAD, ROCHDALE, OL11 4HJ

Order Details

Date: 07/04/2022
Your ref: A4743_Oakenrod_Rochdale
Our Ref: GS-8658359
Client: Adam Czarnecki

Site Details

Location: 388723 413073
Area: 2.61 ha
Authority: [Rochdale Metropolitan Borough Council](#)



Summary of findings

p. 2 **Aerial image**

p. 8

OS MasterMap site plan

p.12 groundsure.com/insightuserguide

Summary of findings

Page	Section	Past land use	On site	0-50m	50-250m	250-500m	500-2000m
13	1.1	Historical industrial land uses	10	15	84	102	-
21	1.2	Historical tanks	2	5	34	52	-
25	1.3	Historical energy features	0	1	13	12	-
26	1.4	Historical petrol stations	0	0	0	0	-
26	1.5	Historical garages	0	0	5	3	-
27	1.6	Historical military land	0	0	0	1	-
Page	Section	Past land use - un-grouped	On site	0-50m	50-250m	250-500m	500-2000m
28	2.1	Historical industrial land uses	12	25	128	153	-
40	2.2	Historical tanks	3	6	42	87	-
45	2.3	Historical energy features	0	2	18	24	-
47	2.4	Historical petrol stations	0	0	0	0	-
47	2.5	Historical garages	0	0	7	5	-
Page	Section	Waste and landfill	On site	0-50m	50-250m	250-500m	500-2000m
49	3.1	Active or recent landfill	0	0	0	0	-
49	3.2	Historical landfill (BGS records)	0	0	0	1	-
50	3.3	Historical landfill (LA/mapping records)	0	0	0	1	-
50	3.4	Historical landfill (EA/NRW records)	0	0	2	2	-
51	3.5	Historical waste sites	0	2	4	0	-
52	3.6	Licensed waste sites	0	4	3	7	-
56	3.7	Waste exemptions	0	1	23	12	-
Page	Section	Current industrial land use	On site	0-50m	50-250m	250-500m	500-2000m
60	4.1	Recent industrial land uses	1	7	45	-	-
64	4.2	Current or recent petrol stations	0	0	1	1	-
64	4.3	Electricity cables	0	0	0	0	-
64	4.4	Gas pipelines	0	0	0	0	-
65	4.5	Sites determined as Contaminated Land	0	0	1	0	-



65	4.6	<u>Control of Major Accident Hazards (COMAH)</u>	0	0	1	1	-
65	4.7	Regulated explosive sites	0	0	0	0	-
66	4.8	<u>Hazardous substance storage/usage</u>	0	0	0	2	-
66	4.9	Historical licensed industrial activities (IPC)	0	0	0	0	-
66	4.10	<u>Licensed industrial activities (Part A(1))</u>	0	0	0	2	-
67	4.11	<u>Licensed pollutant release (Part A(2)/B)</u>	0	0	4	3	-
68	4.12	Radioactive Substance Authorisations	0	0	0	0	-
68	4.13	<u>Licensed Discharges to controlled waters</u>	0	8	3	5	-
71	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
71	4.15	<u>Pollutant release to public sewer</u>	0	0	0	5	-
72	4.16	List 1 Dangerous Substances	0	0	0	0	-
72	4.17	List 2 Dangerous Substances	0	0	0	0	-
72	4.18	<u>Pollution Incidents (EA/NRW)</u>	1	2	12	2	-
74	4.19	Pollution inventory substances	0	0	0	0	-
74	4.20	Pollution inventory waste transfers	0	0	0	0	-
75	4.21	Pollution inventory radioactive waste	0	0	0	0	-
Page	Section	Hydrogeology	On site	0-50m	50-250m	250-500m	500-2000m
76	5.1	<u>Superficial aquifer</u>	Identified (within 500m)				
77	5.2	<u>Bedrock aquifer</u>	Identified (within 500m)				
78	5.3	<u>Groundwater vulnerability</u>	Identified (within 50m)				
79	5.4	Groundwater vulnerability- soluble rock risk	None (within 0m)				
79	5.5	Groundwater vulnerability- local information	None (within 0m)				
80	5.6	<u>Groundwater abstractions</u>	0	0	0	3	2
82	5.7	<u>Surface water abstractions</u>	0	0	0	0	14
85	5.8	Potable abstractions	0	0	0	0	0
86	5.9	Source Protection Zones	0	0	0	0	-
86	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-
Page	Section	Hydrology	On site	0-50m	50-250m	250-500m	500-2000m
87	6.1	<u>Water Network (OS MasterMap)</u>	0	1	8	-	-



88	<u>6.2</u>	<u>Surface water features</u>	1	0	5	-	-
89	<u>6.3</u>	<u>WFD Surface water body catchments</u>	1	-	-	-	-
89	<u>6.4</u>	<u>WFD Surface water bodies</u>	1	0	0	-	-
89	<u>6.5</u>	<u>WFD Groundwater bodies</u>	1	-	-	-	-
Page	Section	River and coastal flooding	On site	0-50m	50-250m	250-500m	500-2000m
91	<u>7.1</u>	<u>Risk of flooding from rivers and the sea</u>	High (within 50m)				
92	<u>7.2</u>	<u>Historical Flood Events</u>	0	0	8	-	-
93	<u>7.3</u>	<u>Flood Defences</u>	0	0	1	-	-
93	<u>7.4</u>	<u>Areas Benefiting from Flood Defences</u>	0	1	1	-	-
93	7.5	Flood Storage Areas	0	0	0	-	-
94	<u>7.6</u>	<u>Flood Zone 2</u>	Identified (within 50m)				
95	<u>7.7</u>	<u>Flood Zone 3</u>	Identified (within 50m)				
Page	Section	Surface water flooding					
96	<u>8.1</u>	<u>Surface water flooding</u>	1 in 30 year, 0.3m - 1.0m (within 50m)				
Page	Section	Groundwater flooding					
98	<u>9.1</u>	<u>Groundwater flooding</u>	Moderate (within 50m)				
Page	Section	Environmental designations	On site	0-50m	50-250m	250-500m	500-2000m
99	<u>10.1</u>	<u>Sites of Special Scientific Interest (SSSI)</u>	0	0	0	0	4
100	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
100	<u>10.3</u>	<u>Special Areas of Conservation (SAC)</u>	0	0	0	0	4
101	10.4	Special Protection Areas (SPA)	0	0	0	0	0
101	10.5	National Nature Reserves (NNR)	0	0	0	0	0
101	<u>10.6</u>	<u>Local Nature Reserves (LNR)</u>	0	0	0	0	1
102	<u>10.7</u>	<u>Designated Ancient Woodland</u>	0	0	0	0	3
102	10.8	Biosphere Reserves	0	0	0	0	0
102	10.9	Forest Parks	0	0	0	0	0
102	10.10	Marine Conservation Zones	0	0	0	0	0
103	<u>10.11</u>	<u>Green Belt</u>	0	0	0	0	1
103	10.12	Proposed Ramsar sites	0	0	0	0	0



103	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
103	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
104	10.15	Nitrate Sensitive Areas	0	0	0	0	0
104	10.16	Nitrate Vulnerable Zones	0	0	0	0	0
105	10.17	<u>SSSI Impact Risk Zones</u>	1	-	-	-	-
106	10.18	<u>SSSI Units</u>	0	0	0	0	4
Page	Section	Visual and cultural designations	On site	0-50m	50-250m	250-500m	500-2000m
108	11.1	World Heritage Sites	0	0	0	-	-
109	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
109	11.3	National Parks	0	0	0	-	-
109	11.4	<u>Listed Buildings</u>	0	1	0	-	-
110	11.5	<u>Conservation Areas</u>	0	0	1	-	-
110	11.6	Scheduled Ancient Monuments	0	0	0	-	-
110	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	Agricultural designations	On site	0-50m	50-250m	250-500m	500-2000m
111	12.1	<u>Agricultural Land Classification</u>	Urban (within 250m)				
112	12.2	Open Access Land	0	0	0	-	-
112	12.3	Tree Felling Licences	0	0	0	-	-
112	12.4	Environmental Stewardship Schemes	0	0	0	-	-
112	12.5	Countryside Stewardship Schemes	0	0	0	-	-
Page	Section	Habitat designations	On site	0-50m	50-250m	250-500m	500-2000m
113	13.1	<u>Priority Habitat Inventory</u>	2	2	6	-	-
114	13.2	Habitat Networks	0	0	0	-	-
114	13.3	Open Mosaic Habitat	0	0	0	-	-
114	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
115	14.1	<u>10k Availability</u>	Identified (within 500m)				
116	14.2	<u>Artificial and made ground (10k)</u>	0	1	1	1	-
117	14.3	<u>Superficial geology (10k)</u>	2	1	0	0	-

<u>118</u>	<u>14.4</u>	<u>Landslip (10k)</u>	0	0	0	1	-
<u>119</u>	<u>14.5</u>	<u>Bedrock geology (10k)</u>	2	0	0	7	-
<u>120</u>	<u>14.6</u>	<u>Bedrock faults and other linear features (10k)</u>	1	2	0	5	-
Page	Section	Geology 1:50,000 scale	On site	0-50m	50-250m	250-500m	500-2000m
<u>121</u>	<u>15.1</u>	<u>50k Availability</u>	Identified (within 500m)				
122	15.2	Artificial and made ground (50k)	0	0	0	0	-
122	15.3	Artificial ground permeability (50k)	0	0	-	-	-
<u>123</u>	<u>15.4</u>	<u>Superficial geology (50k)</u>	2	3	0	2	-
<u>124</u>	<u>15.5</u>	<u>Superficial permeability (50k)</u>	Identified (within 50m)				
<u>124</u>	<u>15.6</u>	<u>Landslip (50k)</u>	0	0	0	1	-
125	15.7	Landslip permeability (50k)	None (within 50m)				
<u>126</u>	<u>15.8</u>	<u>Bedrock geology (50k)</u>	3	0	0	7	-
<u>127</u>	<u>15.9</u>	<u>Bedrock permeability (50k)</u>	Identified (within 50m)				
<u>127</u>	<u>15.10</u>	<u>Bedrock faults and other linear features (50k)</u>	1	1	0	6	-
Page	Section	Boreholes	On site	0-50m	50-250m	250-500m	500-2000m
<u>129</u>	<u>16.1</u>	<u>BGS Boreholes</u>	1	2	11	-	-
Page	Section	Natural ground subsidence					
<u>131</u>	<u>17.1</u>	<u>Shrink swell clays</u>	Very low (within 50m)				
<u>132</u>	<u>17.2</u>	<u>Running sands</u>	Low (within 50m)				
<u>134</u>	<u>17.3</u>	<u>Compressible deposits</u>	Moderate (within 50m)				
<u>136</u>	<u>17.4</u>	<u>Collapsible deposits</u>	Very low (within 50m)				
<u>137</u>	<u>17.5</u>	<u>Landslides</u>	Low (within 50m)				
<u>139</u>	<u>17.6</u>	<u>Ground dissolution of soluble rocks</u>	Negligible (within 50m)				
Page	Section	Mining, ground workings and natural cavities	On site	0-50m	50-250m	250-500m	500-2000m
141	18.1	Natural cavities	0	0	0	0	-
<u>142</u>	<u>18.2</u>	<u>BritPits</u>	0	1	5	4	-
<u>143</u>	<u>18.3</u>	<u>Surface ground workings</u>	5	11	49	-	-
<u>146</u>	<u>18.4</u>	<u>Underground workings</u>	0	0	0	0	2
146	18.5	Historical Mineral Planning Areas	0	0	0	0	-



147	18.6	Non-coal mining	0	0	0	0	0
147	18.7	Mining cavities	0	0	0	0	0
147	18.8	JPB mining areas	None (within 0m)				
147	18.9	<u>Coal mining</u>	Identified (within 0m)				
148	18.10	Brine areas	None (within 0m)				
148	18.11	Gypsum areas	None (within 0m)				
148	18.12	Tin mining	None (within 0m)				
148	18.13	Clay mining	None (within 0m)				
Page	Section	Radon					
149	19.1	<u>Radon</u>	Less than 1% (within 0m)				
Page	Section	Soil chemistry	On site	0-50m	50-250m	250-500m	500-2000m
150	20.1	<u>BGS Estimated Background Soil Chemistry</u>	8	2	-	-	-
151	20.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
151	20.3	BGS Measured Urban Soil Chemistry	0	0	-	-	-
Page	Section	Railway infrastructure and projects	On site	0-50m	50-250m	250-500m	500-2000m
152	21.1	Underground railways (London)	0	0	0	-	-
152	21.2	Underground railways (Non-London)	0	0	0	-	-
153	21.3	Railway tunnels	0	0	0	-	-
153	21.4	<u>Historical railway and tunnel features</u>	0	0	12	-	-
154	21.5	Royal Mail tunnels	0	0	0	-	-
154	21.6	Historical railways	0	0	0	-	-
154	21.7	Railways	0	0	0	-	-
154	21.8	Crossrail 1	0	0	0	0	-
154	21.9	Crossrail 2	0	0	0	0	-
155	21.10	HS2	0	0	0	0	-

Recent aerial photograph



Capture Date: 23/05/2019

Site Area: 2.61ha



Recent site history - 2012 aerial photograph



Capture Date: 26/03/2012

Site Area: 2.61ha



Recent site history - 2000 aerial photograph



Capture Date: 19/06/2000

Site Area: 2.61ha



Recent site history - 1999 aerial photograph



Capture Date: 10/09/1999

Site Area: 2.61ha



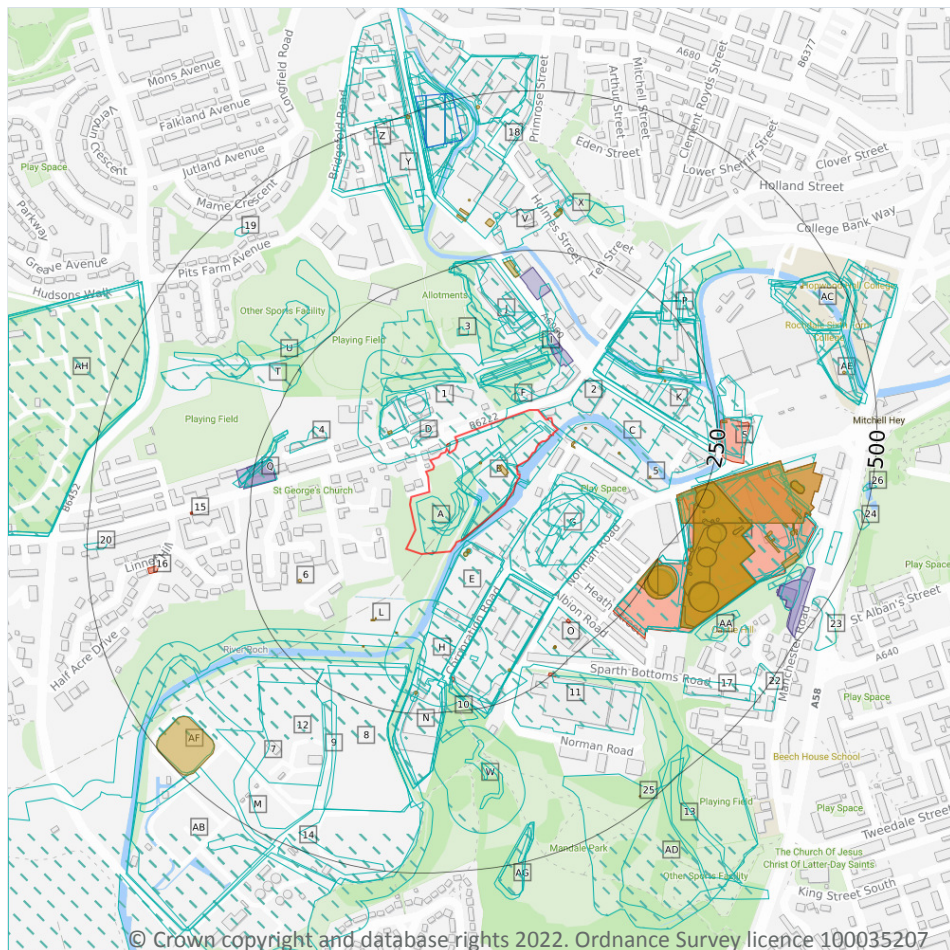
OS MasterMap site plan



Site Area: 2.61ha



1 Past land use



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

1.1 Historical industrial land uses

Records within 500m

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

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

ID	Location	Land use	Dates present	Group ID
1	On site	Unspecified Mill	1890 - 1908	754245



ID	Location	Land use	Dates present	Group ID
A	On site	Unspecified Heap	1908	650754
A	On site	Refuse Heap	1928 - 1938	724425
A	On site	Refuse Heap	1949	734879
B	On site	Unspecified Mill	1890	657014
B	On site	Woollen Mill	1851	670984
B	On site	Unspecified Mills	1908	747111
B	On site	Unspecified Mills	1928 - 1938	707412
B	On site	Unspecified Mills	1949	766909
C	On site	Unspecified Works	1975	678968
E	5m SE	Unspecified Mill	1890 - 1938	788874
E	6m SE	Unspecified Mill	1968 - 1975	762738
E	11m SE	Unspecified Mill	1949	750483
C	15m SE	Unspecified Commercial/Industrial	1987 - 1992	768228
F	15m N	Unspecified Pit	1890	690684
E	16m SE	Unspecified Tank	1949	748211
F	19m N	Unspecified Heaps	1987 - 1992	733057
E	19m SE	Unspecified Tank	1908	740259
F	21m N	Unspecified Quarry	1890	667799
D	31m NW	Sand Pit	1851	643846
2	39m NE	Unspecified Mill	1987 - 1992	754845
G	46m SE	Unspecified Heap	1890 - 1908	742696
G	47m SE	Brick Works	1908	749241
G	48m SE	Brick Works	1928 - 1938	748954
G	48m E	Unspecified Quarry	1928 - 1938	738831
D	51m NW	Unspecified Works	1928 - 1938	778348
G	53m SE	Unspecified Quarry	1908	768102
G	54m SE	Unspecified Pit	1968 - 1975	726278
F	58m N	Mill Pond	1928 - 1938	769736



ID	Location	Land use	Dates present	Group ID
F	60m N	Unspecified Pit	1968 - 1975	775373
D	63m NW	Unspecified Works	1908	700400
F	64m N	Mill Pond	1949	761387
D	65m NW	Sand Pit	1851	643847
D	68m NW	Unspecified Works	1949	740262
H	72m S	Unspecified Works	1968	701380
D	74m N	Unspecified Heap	1975	717515
D	75m N	Unspecified Heap	1987 - 1992	713231
G	80m SE	Railway Sidings	1908	759045
G	82m SE	Railway Sidings	1928 - 1938	782338
J	84m N	Unspecified Works	1987 - 1992	730963
C	84m E	Unspecified Commercial/Industrial	1987 - 1992	714400
D	85m N	Nursery	1890 - 1908	696329
I	88m N	Woollen Mill	1851	670986
H	89m SE	Unspecified Mill	1949	707027
H	89m SE	Unspecified Commercial/Industrial	1968 - 1975	744042
H	89m SE	Industrial Estate	1987 - 1992	770430
H	91m SE	Unspecified Mill	1928 - 1938	702127
H	91m SE	Unspecified Mill	1908	723008
K	96m NE	Iron Works	1928 - 1938	711428
J	97m N	Unspecified Ground Workings	1975 - 1992	696220
H	99m SE	Unspecified Mill	1890	786193
J	99m N	Unspecified Quarry	1928 - 1938	782710
K	101m NE	Iron Works	1949	776877
K	104m NE	Unspecified Mills	1975	724503
K	104m NE	Unspecified Works	1987 - 1992	737212
J	106m N	Unspecified Quarry	1949	712161
K	106m NE	Unspecified Commercial/Industrial	1968	643263



ID	Location	Land use	Dates present	Group ID
H	122m S	Unspecified Commercial/Industrial	1975	643270
H	122m S	Unspecified Works	1987 - 1992	773433
J	123m N	Railway Sidings	1928 - 1938	718728
J	125m N	Unspecified Works	1975	706872
G	125m SE	Unspecified Pit	1968 - 1975	749474
J	125m N	Unspecified Quarry	1890	667798
J	130m N	Railway Sidings	1949	707765
M	131m S	Sewage Farm	1928	764863
K	135m NE	Unspecified Mill	1908	757063
K	137m NE	Unspecified Mills	1928 - 1938	773059
K	138m NE	Cotton Mill	1851	644260
3	143m N	Shed	1851	659582
K	144m NE	Unspecified Mills	1949	744131
M	148m S	Sewage Farm	1949	788969
K	154m E	Unspecified Works	1968	740403
K	156m NE	Unspecified Mill	1968	725860
4	160m NW	Sand Pit	1890	643844
H	166m S	Shed	1851	659583
N	171m S	Unspecified Mills	1968 - 1975	772761
7	174m S	Sewage Works	1975 - 1992	725350
O	177m SE	Laundry	1928 - 1938	746289
N	177m S	Unspecified Mills	1928 - 1938	774238
N	178m S	Unspecified Mill	1908	657015
8	180m S	Sludge Lagoons	1987 - 1992	723894
P	180m NE	Brick Field	1851	668536
9	192m S	Sludge Lagoons	1975	762930
N	197m S	Unspecified Mills	1949	759796
H	207m SE	Colliery	1851	645246



ID	Location	Land use	Dates present	Group ID
10	208m S	Colliery	1851	645245
J	210m N	Unspecified Tanks	1928 - 1938	784551
Q	212m W	Garage	1987 - 1992	745291
11	213m SE	Unspecified Works	1992	678966
R	215m SE	Gas Works	1908	721516
N	215m S	Unspecified Tank	1908 - 1949	729033
J	216m N	Unspecified Tanks	1949	695002
R	216m SE	Unspecified Commercial/Industrial	1928 - 1938	713479
R	217m SE	Unspecified Works	1968	678967
R	217m SE	Unspecified Commercial/Industrial	1949	711256
Q	218m NW	Unspecified Ground Workings	1968 - 1975	732129
Q	218m NW	Unspecified Ground Workings	1949	734239
R	218m SE	Unspecified Commercial/Industrial	1975 - 1992	738979
Q	218m NW	Unspecified Ground Workings	1928	740857
R	228m SE	Gas Works	1890	735188
12	228m SW	Sludge Beds	1987 - 1992	752789
S	229m E	Cotton Mill	1851	644261
R	238m SE	Gasometer	1890 - 1908	790690
T	241m NW	Unspecified Heap	1968	650761
R	243m SE	Unspecified Tank	1928 - 1938	787884
R	248m SE	Gasometer	1908	655110
R	248m SE	Unspecified Tank	1949	729919
R	248m SE	Unspecified Tank	1968 - 1992	737435
R	248m SE	Unspecified Tank	1928 - 1938	768365
U	251m NW	Refuse Heap	1949	716414
13	251m SE	Unspecified Heap	1938	650756
S	253m E	Unspecified Mills	1949	653259
V	253m N	Fulling Mill	1851	655333



ID	Location	Land use	Dates present	Group ID
S	257m E	Unspecified Commercial/Industrial	1968	643264
14	265m SW	Railway Sidings	1949	641623
P	268m NE	Unspecified Ground Workings	1975 - 1992	749560
R	269m SE	Unspecified Tanks	1908	666405
U	272m NW	Unspecified Ground Workings	1928 - 1938	719425
R	273m SE	Gas Works	1851	701538
R	273m SE	Gasometers	1890 - 1908	706696
W	275m S	Gravel Pit	1890	652934
V	277m N	Unspecified Commercial/Industrial	1949	752349
R	278m SE	Unspecified Tanks	1908	666407
R	279m SE	Unspecified Tank	1949	674712
R	282m SE	Unspecified Tank	1928 - 1938	776653
R	283m SE	Unspecified Tank	1968	701522
R	283m SE	Unspecified Tank	1949	736521
R	291m E	Unspecified Depot	1987 - 1992	743479
R	292m SE	Unspecified Tank	1928 - 1938	705447
R	292m SE	Unspecified Tanks	1908	666406
R	293m SE	Unspecified Tank	1949	749036
R	293m SE	Unspecified Tank	1968 - 1992	771526
W	298m S	Unspecified Ground Workings	1908	648046
X	301m N	Unspecified Ground Workings	1890	755994
V	304m N	Chimney	1968 - 1975	706267
X	304m N	Unspecified Tanks	1928 - 1938	770768
X	306m N	Unspecified Ground Workings	1987 - 1992	779971
R	310m SE	Unspecified Tank	1928 - 1938	780786
R	312m SE	Unspecified Tank	1968	755852
R	312m SE	Unspecified Tank	1949	773040
X	312m N	Unspecified Tanks	1949	778277

ID	Location	Land use	Dates present	Group ID
V	312m N	Unspecified Commercial/Industrial	1928 - 1938	787270
V	314m N	Unspecified Works	1975 - 1992	759538
T	319m NW	Refuse Heap	1928 - 1938	704759
Y	321m N	Unspecified Commercial/Industrial	1975	643262
Y	321m N	Unspecified Works	1968	678964
Z	322m N	Unspecified Mill	1928 - 1938	731874
R	322m SE	Unspecified Tank	1975 - 1992	756378
X	323m N	Unspecified Tanks	1928 - 1938	698686
Z	328m N	Unspecified Mill	1949	720276
X	331m N	Unspecified Tanks	1949	730146
R	356m SE	Gasometers	1851	652228
AA	360m SE	Unspecified Ground Workings	1949	648020
V	362m N	Tramway Car Depot	1908	656664
V	364m N	Railway Sidings	1928 - 1938	717938
Y	367m N	Railway Sidings	1928 - 1938	789707
R	376m E	Unspecified Tank	1968	674713
V	376m N	Unspecified Depot	1987 - 1992	767382
AA	379m SE	Unspecified Pit	1890	690685
AB	381m SW	Unspecified Works	1968	678965
V	385m N	Cuttings	1908	642619
R	388m E	Unspecified Tank	1968	674714
V	390m N	Tramway Sidings	1908	670791
17	392m SE	Cuttings	1851	642618
AC	393m NE	Unspecified Mills	1890 - 1908	739019
AD	395m SE	Refuse Heap	1987	734733
V	397m N	Railway Sidings	1949	697720
18	397m N	Union Workhouse	1851	680167
AC	399m NE	Unspecified Mills	1928 - 1949	761553



ID	Location	Land use	Dates present	Group ID
AC	400m NE	Woollen and Cotton Mill	1851	644851
AC	404m NE	Unspecified Commercial/Industrial	1968	643265
R	409m SE	Unspecified Ground Workings	1968 - 1992	757649
Z	410m N	Unspecified Mill	1968 - 1992	772470
AA	416m SE	Unspecified Pit	1890	690687
AE	419m E	Unspecified Mills	1928 - 1938	759508
AE	420m E	Unspecified Mill	1908	657140
AE	420m E	Unspecified Mills	1949	754524
AE	424m E	Unspecified Heap	1949	650727
AE	425m E	Unspecified Commercial/Industrial	1968	643266
AF	426m SW	Unspecified Tanks	1987 - 1992	728221
R	426m SE	Unspecified Ground Workings	1890	700601
R	435m SE	Unspecified Ground Workings	1968 - 1992	707712
V	437m N	Bus Depot	1968	680269
AG	443m S	Unspecified Heap	1949	726687
AG	443m S	Unspecified Heap	1968 - 1992	762394
AG	444m S	Unspecified Heap	1928 - 1938	787494
AG	450m S	Unspecified Ground Workings	1908	648045
V	451m N	Unspecified Works	1975	749102
AH	453m W	Cemetery	1949	761151
AH	453m W	Cemetery	1968 - 1992	771354
V	454m N	Unspecified Mills	1890	653218
V	454m N	Unspecified Works	1987 - 1992	782840
19	456m NW	Sand Pit	1851	643851
AH	457m W	Cemetery	1890 - 1908	757989
AH	457m W	Cemetery	1928 - 1938	789669
R	462m E	Rope Walk	1851	641259
20	468m W	Sand Pit	1851	643843



ID	Location	Land use	Dates present	Group ID
21	470m SW	Sewage Farm	1890	778690
22	471m SE	Sand Pit	1851	643845
AD	472m SE	Refuse Heap	1975	782818
AC	475m E	Unspecified Mill	1928 - 1938	736997
AD	477m SE	Refuse Heap	1949	776854
AC	477m E	Unspecified Mill	1949	727607
AB	480m SW	Unspecified Heap	1908	650753
23	481m SE	Refuse Heap	1851	677421
24	481m E	Unspecified Heap	1890	650728
V	486m N	Unspecified Tank	1949	674710
Z	487m N	Unspecified Mill	1908	778950
26	487m E	Refuse Heap	1851	677422
V	487m N	Tramway Sidings	1908	670790
V	488m N	Railway Sidings	1928 - 1938	768386

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m

93

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

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

ID	Location	Land use	Dates present	Group ID
B	On site	Unspecified Tank	1890	84207
B	On site	Unspecified Tank	1910 - 1930	97541
E	18m SE	Unspecified Tank	-	77878
E	18m SE	Unspecified Tank	1957	95963



ID	Location	Land use	Dates present	Group ID
E	18m SE	Unspecified Tank	1890	84208
C	31m SE	Tanks	1910	87682
C	42m E	Unspecified Tank	1890	84206
D	73m NW	Tanks	1910	87681
C	101m E	Unspecified Tank	1890	84325
L	118m SW	Unspecified Tank	1957	99854
L	118m SW	Unspecified Tank	1957	96678
L	121m SW	Unspecified Tank	1984	84210
L	122m SW	Unspecified Tank	-	77879
L	128m S	Unspecified Tank	1957	89624
L	128m S	Unspecified Tank	-	77930
L	129m S	Unspecified Tank	1984	100022
L	129m S	Unspecified Tank	1957	102083
5	161m SE	Unspecified Tank	1890 - 1930	95266
L	165m SW	Unspecified Tank	1957	102249
L	166m SW	Unspecified Tank	1957	91675
6	171m W	Unspecified Tank	1910	84209
K	182m NE	Unspecified Tank	1890	84326
K	183m NE	Unspecified Tank	1959	84327
H	205m SE	Unspecified Tank	1890	84213
J	209m N	Tanks	1910 - 1930	88622
R	213m SE	Gasholder Station	1973 - 1974	101994
N	215m S	Unspecified Tank	1957	96780
O	220m SE	Unspecified Tank	1957	103878
O	220m SE	Unspecified Tank	-	77904
R	233m SE	Gas Works	1967	88580
R	234m SE	Gas Holder Station	1979 - 1988	102601
R	234m SE	Gasholder Station	1997	101097



ID	Location	Land use	Dates present	Group ID
R	240m SE	Gasholder Station	1990	85874
R	241m SE	Unspecified Tank	1930	84328
R	241m SE	Gasometer	1890 - 1910	89434
R	248m SE	Gas Holder	1990	88188
R	248m SE	Unspecified Tank	1957 - 1984	96689
R	248m SE	Gasometer	1910	78080
R	248m SE	Unspecified Tank	1930	103497
R	248m SE	Unspecified Tank	-	77847
R	249m SE	Unspecified Tank	1957	92517
R	255m SE	Unspecified Tank	1973 - 1993	92553
S	257m E	Unspecified Tank	1910	84329
R	259m SE	Gas Holder Station	1993	95263
R	259m SE	Gasholder Station	1985 - 1990	88747
R	261m SE	Unspecified Tank	1910 - 1930	90847
R	268m SE	Unspecified Tank	1890	84324
R	271m SE	Tanks	1910 - 1930	99934
R	278m SE	Tanks	1930	98467
R	278m SE	Gasometers	1890 - 1910	104228
R	279m SE	Unspecified Tank	1930	84320
R	279m SE	Oil Tank	1910	88151
R	280m SE	Oil Tank	1910	88152
R	282m SE	Unspecified Tank	1957	95804
R	282m SE	Unspecified Tank	1890	93909
R	282m SE	Unspecified Tank	1957	98431
R	286m SE	Unspecified Tank	1959 - 1967	101819
R	288m SE	Unspecified Tank	1910 - 1930	89781
R	292m SE	Unspecified Tank	1957	84321
R	292m SE	Gasholder	1973	85851

ID	Location	Land use	Dates present	Group ID
R	292m SE	Gas Holder	1985 - 1993	103081
R	293m SE	Unspecified Tank	1910	84323
V	293m N	Tanks	1978 - 1987	95066
R	303m SE	Unspecified Tank	1890 - 1930	103378
X	304m N	Tanks	1910 - 1930	96830
V	312m N	Tanks	1930	87654
X	313m N	Tanks	1890	98875
R	316m SE	Unspecified Tank	1910 - 1930	100490
R	317m SE	Gasholder	1973	85852
R	317m SE	Unspecified Tank	1957	95823
R	318m SE	Tanks	1973	97431
R	318m SE	Gas Holder	1993	102245
R	318m SE	Tanks	1957	101178
R	319m SE	Gas Holder	1985 - 1990	98797
V	320m N	Unspecified Tank	1987	84178
V	340m N	Unspecified Tank	1890	84179
R	365m SE	Tanks	1930	87687
R	367m SE	Tanks	1890 - 1910	92095
R	374m E	Gasometers	1959 - 1967	92298
R	375m E	Tanks	1959	87684
R	382m SE	Tanks	1910 - 1930	100099
R	388m E	Tanks	1930	87683
R	397m E	Tanks	1957	96529
R	397m E	Tanks	1957	103391
R	403m SE	Unspecified Tank	1985 - 1993	90122
R	407m SE	Unspecified Tank	1930	84322
R	408m SE	Tar Tanks	1910	78341
AF	427m SW	Tanks	1990 - 1993	100900



ID	Location	Land use	Dates present	Group ID
AC	441m NE	Unspecified Tank	1890	84330
AE	455m E	Unspecified Tank	1890 - 1930	91432
V	479m N	Unspecified Tank	1890	84173
25	484m SE	Unspecified Tank	1891	84317
V	493m N	Unspecified Tank	1995	84177

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m

26

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

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

ID	Location	Land use	Dates present	Group ID
D	3m N	Electricity Substation	1987 - 1995	57714
H	195m S	Electricity Substation	1984 - 1990	57391
O	201m SE	Electricity Substation	1990	45541
R	213m SE	Gasholder Station	1973 - 1974	57081
R	217m SE	Electricity Substation	1988 - 1997	55227
R	222m SE	Corporation Gas Works	1890 - 1910	59229
R	233m SE	Gas Works	1967	46625
R	234m SE	Gas Holder Station	1979 - 1988	54374
R	234m SE	Gasholder Station	1997	53887
R	240m SE	Gasholder Station	1990	46362
R	241m SE	Gasometer	1890 - 1910	49944
O	245m SE	Electricity Substation	1990	45540
R	248m SE	Gas Holder	1990	46490



ID	Location	Land use	Dates present	Group ID
R	248m SE	Gasometer	1910	46132
S	255m E	Corporation Electricity Station	1910	46385
R	259m SE	Gas Holder Station	1993	57023
R	259m SE	Gasholder Station	1985 - 1990	51739
R	278m SE	Gasometers	1890 - 1910	49188
R	292m SE	Gasholder	1973	46339
R	292m SE	Gas Holder	1985 - 1993	53607
R	317m SE	Gasholder	1973	46340
R	318m SE	Gas Holder	1993	58404
R	319m SE	Gas Holder	1985 - 1990	55941
15	339m W	Electricity Substation	1992	45491
R	374m E	Gasometers	1959 - 1967	52993
16	388m W	Electricity Substation	1972 - 1993	58765

This data is sourced from Ordnance Survey / Groundsure.

1.4 Historical petrol stations

Records within 500m

0

Petrol stations digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, 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

8

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



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

ID	Location	Land use	Dates present	Group ID
I	78m NE	Garage	1959 - 1978	17439
I	90m N	Garage	1959	16797
J	173m N	Garage	1978	14598
Q	214m W	Garage	1989	17042
Q	214m W	Garage	1980 - 1992	17535
R	425m SE	Garage	1993	15733
R	425m SE	Garage	1973	15329
R	426m SE	Garage	1985 - 1990	19160

This data is sourced from Ordnance Survey / Groundsure.

1.6 Historical military land

Records within 500m

1

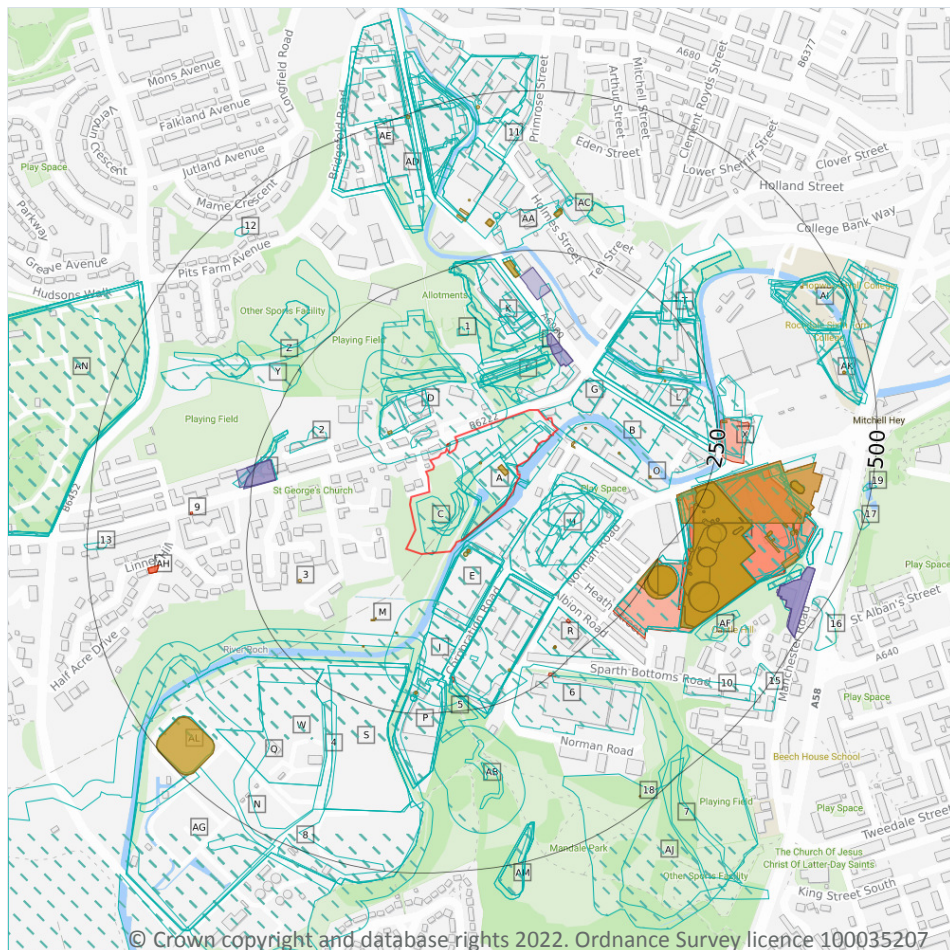
Areas of military land digitised from multiple sources including the National Archives, local records, MOD records and verified other sources, intelligently grouped into contiguous features.

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

ID	Location	Site Name	Date of Operation	Activities
V	436m N	Rochdale	circa WWI	National Shell Factory; 6in shell

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

318

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 28**

ID	Location	Land Use	Date	Group ID
A	On site	Unspecified Mills	1938	707412
A	On site	Unspecified Mills	1908	747111
A	On site	Woollen Mill	1851	670984



ID	Location	Land Use	Date	Group ID
A	On site	Unspecified Mills	1949	766909
A	On site	Unspecified Mill	1890	657014
A	On site	Unspecified Mills	1928	707412
B	On site	Unspecified Works	1975	678968
C	On site	Unspecified Heap	1908	650754
C	On site	Refuse Heap	1938	724425
C	On site	Refuse Heap	1949	734879
C	On site	Refuse Heap	1928	724425
D	On site	Unspecified Mill	1890	754245
E	5m SE	Unspecified Mill	1890	788874
E	6m SE	Unspecified Mill	1975	762738
E	6m SE	Unspecified Mill	1968	762738
E	11m SE	Unspecified Mill	1949	750483
E	12m SE	Unspecified Mill	1938	788874
E	12m SE	Unspecified Mill	1928	788874
E	12m SE	Unspecified Mill	1908	788874
F	14m N	Unspecified Mill	1908	754245
B	15m SE	Unspecified Commercial/Industrial	1992	768228
B	15m SE	Unspecified Commercial/Industrial	1987	768228
F	15m N	Unspecified Pit	1890	690684
E	16m SE	Unspecified Tank	1949	748211
F	19m N	Unspecified Heaps	1992	733057
F	19m N	Unspecified Heaps	1987	733057
E	19m SE	Unspecified Tank	1908	740259
F	21m N	Unspecified Quarry	1890	667799
D	31m NW	Sand Pit	1851	643846
G	39m NE	Unspecified Mill	1992	754845
G	39m NE	Unspecified Mill	1987	754845



ID	Location	Land Use	Date	Group ID
H	46m SE	Unspecified Heap	1890	742696
H	47m SE	Brick Works	1908	749241
H	48m SE	Brick Works	1938	748954
H	48m SE	Brick Works	1928	748954
H	48m E	Unspecified Quarry	1938	738831
H	48m E	Unspecified Quarry	1928	738831
D	51m NW	Unspecified Works	1938	778348
D	51m NW	Unspecified Works	1928	778348
H	53m SE	Unspecified Quarry	1908	768102
H	54m SE	Unspecified Pit	1975	726278
H	54m SE	Unspecified Pit	1968	726278
F	58m N	Mill Pond	1938	769736
F	58m N	Mill Pond	1928	769736
F	60m N	Unspecified Pit	1975	775373
F	60m N	Unspecified Pit	1968	775373
D	63m NW	Unspecified Works	1908	700400
F	64m N	Mill Pond	1949	761387
D	65m NW	Sand Pit	1851	643847
D	68m NW	Unspecified Works	1949	740262
I	72m S	Unspecified Works	1968	701380
D	74m N	Unspecified Heap	1975	717515
D	75m N	Unspecified Heap	1992	713231
D	75m N	Unspecified Heap	1987	713231
H	80m SE	Railway Sidings	1908	759045
H	82m SE	Railway Sidings	1938	782338
H	82m SE	Railway Sidings	1928	782338
K	84m N	Unspecified Works	1992	730963
K	84m N	Unspecified Works	1987	730963



ID	Location	Land Use	Date	Group ID
B	84m E	Unspecified Commercial/Industrial	1992	714400
B	84m E	Unspecified Commercial/Industrial	1987	714400
D	85m N	Nursery	1908	696329
J	88m N	Woollen Mill	1851	670986
I	89m SE	Industrial Estate	1992	770430
I	89m SE	Industrial Estate	1987	770430
I	89m SE	Unspecified Commercial/Industrial	1975	744042
I	89m SE	Unspecified Mill	1949	707027
I	89m SE	Unspecified Commercial/Industrial	1968	744042
I	91m SE	Unspecified Mill	1938	702127
I	91m SE	Unspecified Mill	1908	723008
I	91m SE	Unspecified Mill	1928	702127
L	96m NE	Iron Works	1938	711428
L	96m NE	Iron Works	1928	711428
K	97m N	Unspecified Ground Workings	1992	696220
K	97m N	Unspecified Ground Workings	1987	696220
K	97m N	Unspecified Ground Workings	1975	696220
I	99m SE	Unspecified Mill	1890	786193
K	99m N	Unspecified Quarry	1938	782710
K	99m N	Unspecified Quarry	1928	782710
D	100m N	Nursery	1890	696329
L	101m NE	Iron Works	1949	776877
L	104m NE	Unspecified Works	1992	737212
L	104m NE	Unspecified Works	1987	737212
L	104m NE	Unspecified Mills	1975	724503
K	106m N	Unspecified Quarry	1949	712161
L	106m NE	Unspecified Commercial/Industrial	1968	643263
I	122m S	Unspecified Works	1992	773433



ID	Location	Land Use	Date	Group ID
I	122m S	Unspecified Works	1987	773433
I	122m S	Unspecified Commercial/Industrial	1975	643270
K	123m N	Railway Sidings	1938	718728
K	123m N	Railway Sidings	1928	718728
K	125m N	Unspecified Works	1975	706872
H	125m SE	Unspecified Pit	1975	749474
H	125m SE	Unspecified Pit	1968	749474
K	125m N	Unspecified Quarry	1890	667798
K	130m N	Railway Sidings	1949	707765
N	131m S	Sewage Farm	1928	764863
H	133m SE	Unspecified Heap	1908	742696
L	135m NE	Unspecified Mill	1908	757063
L	137m NE	Unspecified Mills	1938	773059
L	137m NE	Unspecified Mills	1928	773059
L	138m NE	Cotton Mill	1851	644260
1	143m N	Shed	1851	659582
L	144m NE	Unspecified Mills	1949	744131
N	148m S	Sewage Farm	1949	788969
L	154m E	Unspecified Works	1968	740403
L	156m NE	Unspecified Mill	1968	725860
2	160m NW	Sand Pit	1890	643844
I	166m S	Shed	1851	659583
P	171m S	Unspecified Mills	1975	772761
P	171m S	Unspecified Mills	1968	772761
Q	174m S	Sewage Works	1992	725350
Q	174m S	Sewage Works	1987	725350
Q	174m S	Sewage Works	1975	725350
R	177m SE	Laundry	1938	746289



ID	Location	Land Use	Date	Group ID
R	177m SE	Laundry	1928	746289
P	177m S	Unspecified Mills	1938	774238
P	177m S	Unspecified Mills	1928	774238
P	178m S	Unspecified Mill	1908	657015
S	180m S	Sludge Lagoons	1992	723894
S	180m S	Sludge Lagoons	1987	723894
T	180m NE	Brick Field	1851	668536
4	192m S	Sludge Lagoons	1975	762930
P	197m S	Unspecified Mills	1949	759796
I	207m SE	Colliery	1851	645246
5	208m S	Colliery	1851	645245
K	210m N	Unspecified Tanks	1938	784551
K	210m N	Unspecified Tanks	1928	784551
U	212m W	Garage	1992	745291
U	212m W	Garage	1987	745291
6	213m SE	Unspecified Works	1992	678966
V	215m SE	Gas Works	1908	721516
P	215m S	Unspecified Tank	1949	729033
K	216m N	Unspecified Tanks	1949	695002
V	216m SE	Unspecified Commercial/Industrial	1938	713479
V	216m SE	Unspecified Commercial/Industrial	1928	713479
V	217m SE	Unspecified Commercial/Industrial	1949	711256
V	217m SE	Unspecified Works	1968	678967
U	218m NW	Unspecified Ground Workings	1975	732129
U	218m NW	Unspecified Ground Workings	1949	734239
U	218m NW	Unspecified Ground Workings	1968	732129
V	218m SE	Unspecified Commercial/Industrial	1992	738979
V	218m SE	Unspecified Commercial/Industrial	1987	738979



ID	Location	Land Use	Date	Group ID
V	218m SE	Unspecified Commercial/Industrial	1975	738979
U	218m NW	Unspecified Ground Workings	1928	740857
P	221m S	Unspecified Tank	1938	729033
P	221m S	Unspecified Tank	1928	729033
P	221m S	Unspecified Tank	1908	729033
V	228m SE	Gas Works	1890	735188
W	228m SW	Sludge Beds	1992	752789
W	228m SW	Sludge Beds	1987	752789
X	229m E	Cotton Mill	1851	644261
V	238m SE	Gasometer	1890	790690
Y	241m NW	Unspecified Heap	1968	650761
V	243m SE	Unspecified Tank	1938	787884
V	243m SE	Unspecified Tank	1928	787884
V	245m SE	Gasometer	1908	790690
V	248m SE	Gasometer	1908	655110
V	248m SE	Unspecified Tank	1992	737435
V	248m SE	Unspecified Tank	1987	737435
V	248m SE	Unspecified Tank	1975	737435
V	248m SE	Unspecified Tank	1949	729919
V	248m SE	Unspecified Tank	1968	737435
V	248m SE	Unspecified Tank	1938	768365
V	248m SE	Unspecified Tank	1928	768365
Z	251m NW	Refuse Heap	1949	716414
7	251m SE	Unspecified Heap	1938	650756
X	253m E	Unspecified Mills	1949	653259
AA	253m N	Fulling Mill	1851	655333
X	257m E	Unspecified Commercial/Industrial	1968	643264
8	265m SW	Railway Sidings	1949	641623



ID	Location	Land Use	Date	Group ID
T	268m NE	Unspecified Ground Workings	1992	749560
T	268m NE	Unspecified Ground Workings	1987	749560
T	268m NE	Unspecified Ground Workings	1975	749560
V	269m SE	Unspecified Tanks	1908	666405
Z	272m NW	Unspecified Ground Workings	1938	719425
Z	272m NW	Unspecified Ground Workings	1928	719425
V	273m SE	Gas Works	1851	701538
V	273m SE	Gasometers	1890	706696
AB	275m S	Gravel Pit	1890	652934
AA	277m N	Unspecified Commercial/Industrial	1949	752349
V	278m SE	Unspecified Tanks	1908	666407
V	279m SE	Unspecified Tank	1949	674712
V	282m SE	Unspecified Tank	1938	776653
V	282m SE	Gasometers	1908	706696
V	282m SE	Unspecified Tank	1928	776653
V	283m SE	Unspecified Tank	1949	736521
V	283m SE	Unspecified Tank	1968	701522
V	291m E	Unspecified Depot	1992	743479
V	291m E	Unspecified Depot	1987	743479
V	292m SE	Unspecified Tank	1938	705447
V	292m SE	Unspecified Tank	1928	705447
V	292m SE	Unspecified Tanks	1908	666406
V	293m SE	Unspecified Tank	1992	771526
V	293m SE	Unspecified Tank	1987	771526
V	293m SE	Unspecified Tank	1975	771526
V	293m SE	Unspecified Tank	1949	749036
V	293m SE	Unspecified Tank	1968	771526
AB	298m S	Unspecified Ground Workings	1908	648046



ID	Location	Land Use	Date	Group ID
AC	301m N	Unspecified Ground Workings	1890	755994
AA	304m N	Chimney	1975	706267
AA	304m N	Chimney	1968	706267
AC	304m N	Unspecified Tanks	1938	770768
AC	304m N	Unspecified Tanks	1928	770768
AC	306m N	Unspecified Ground Workings	1992	779971
AC	306m N	Unspecified Ground Workings	1987	779971
V	310m SE	Unspecified Tank	1938	780786
V	310m SE	Unspecified Tank	1928	780786
V	312m SE	Unspecified Tank	1949	773040
V	312m SE	Unspecified Tank	1968	755852
AC	312m N	Unspecified Tanks	1949	778277
AA	312m N	Unspecified Commercial/Industrial	1938	787270
AA	312m N	Unspecified Commercial/Industrial	1928	787270
AA	314m N	Unspecified Works	1992	759538
AA	314m N	Unspecified Works	1987	759538
AA	314m N	Unspecified Works	1975	759538
Y	319m NW	Refuse Heap	1938	704759
Y	319m NW	Refuse Heap	1928	704759
AD	321m N	Unspecified Commercial/Industrial	1975	643262
AD	321m N	Unspecified Works	1968	678964
AE	322m N	Unspecified Mill	1938	731874
AE	322m N	Unspecified Mill	1928	731874
V	322m SE	Unspecified Tank	1992	756378
V	322m SE	Unspecified Tank	1987	756378
V	322m SE	Unspecified Tank	1975	756378
AC	323m N	Unspecified Tanks	1938	698686
AC	323m N	Unspecified Tanks	1928	698686



ID	Location	Land Use	Date	Group ID
AE	328m N	Unspecified Mill	1949	720276
AC	331m N	Unspecified Tanks	1949	730146
V	356m SE	Gasometers	1851	652228
AF	360m SE	Unspecified Ground Workings	1949	648020
AA	362m N	Tramway Car Depot	1908	656664
AA	364m N	Railway Sidings	1938	717938
AA	364m N	Railway Sidings	1928	717938
AD	367m N	Railway Sidings	1938	789707
AD	367m N	Railway Sidings	1928	789707
V	376m E	Unspecified Tank	1968	674713
AA	376m N	Unspecified Depot	1992	767382
AA	376m N	Unspecified Depot	1987	767382
AF	379m SE	Unspecified Pit	1890	690685
AG	381m SW	Unspecified Works	1968	678965
AA	385m N	Cuttings	1908	642619
V	388m E	Unspecified Tank	1968	674714
AA	390m N	Tramway Sidings	1908	670791
10	392m SE	Cuttings	1851	642618
AI	393m NE	Unspecified Mills	1890	739019
AI	394m NE	Unspecified Mills	1908	739019
AJ	395m SE	Refuse Heap	1987	734733
AA	397m N	Railway Sidings	1949	697720
11	397m N	Union Workhouse	1851	680167
AI	399m NE	Unspecified Mills	1938	761553
AI	399m NE	Unspecified Mills	1928	761553
AI	400m NE	Woollen and Cotton Mill	1851	644851
AI	402m NE	Unspecified Mills	1949	761553
AI	404m NE	Unspecified Commercial/Industrial	1968	643265



ID	Location	Land Use	Date	Group ID
V	409m SE	Unspecified Ground Workings	1992	757649
V	409m SE	Unspecified Ground Workings	1987	757649
V	409m SE	Unspecified Ground Workings	1975	757649
V	409m SE	Unspecified Ground Workings	1968	757649
AE	410m N	Unspecified Mill	1992	772470
AE	410m N	Unspecified Mill	1987	772470
AE	410m N	Unspecified Mill	1975	772470
AE	410m N	Unspecified Mill	1968	772470
AF	416m SE	Unspecified Pit	1890	690687
AK	419m E	Unspecified Mills	1938	759508
AK	419m E	Unspecified Mills	1928	759508
AK	420m E	Unspecified Mill	1908	657140
AK	420m E	Unspecified Mills	1949	754524
AK	424m E	Unspecified Heap	1949	650727
AK	425m E	Unspecified Commercial/Industrial	1968	643266
AL	426m SW	Unspecified Tanks	1992	728221
AL	426m SW	Unspecified Tanks	1987	728221
V	426m SE	Unspecified Ground Workings	1890	700601
V	435m SE	Unspecified Ground Workings	1992	707712
V	435m SE	Unspecified Ground Workings	1987	707712
V	435m SE	Unspecified Ground Workings	1975	707712
V	435m SE	Unspecified Ground Workings	1968	707712
AA	437m N	Bus Depot	1968	680269
AM	443m S	Unspecified Heap	1992	762394
AM	443m S	Unspecified Heap	1987	762394
AM	443m S	Unspecified Heap	1975	762394
AM	443m S	Unspecified Heap	1949	726687
AM	443m S	Unspecified Heap	1968	762394



ID	Location	Land Use	Date	Group ID
AM	444m S	Unspecified Heap	1938	787494
AM	444m S	Unspecified Heap	1928	787494
AM	450m S	Unspecified Ground Workings	1908	648045
AA	451m N	Unspecified Works	1975	749102
AN	453m W	Cemetery	1992	771354
AN	453m W	Cemetery	1987	771354
AN	453m W	Cemetery	1975	771354
AN	453m W	Cemetery	1949	761151
AN	453m W	Cemetery	1968	771354
AA	454m N	Unspecified Mills	1890	653218
AA	454m N	Unspecified Works	1992	782840
AA	454m N	Unspecified Works	1987	782840
12	456m NW	Sand Pit	1851	643851
AN	457m W	Cemetery	1938	789669
AN	457m W	Cemetery	1928	789669
AN	457m W	Cemetery	1908	757989
AN	457m W	Cemetery	1890	757989
V	462m E	Rope Walk	1851	641259
13	468m W	Sand Pit	1851	643843
14	470m SW	Sewage Farm	1890	778690
15	471m SE	Sand Pit	1851	643845
AJ	472m SE	Refuse Heap	1975	782818
AI	475m E	Unspecified Mill	1938	736997
AI	475m E	Unspecified Mill	1928	736997
AJ	477m SE	Refuse Heap	1949	776854
AI	477m E	Unspecified Mill	1949	727607
AG	480m SW	Unspecified Heap	1908	650753
16	481m SE	Refuse Heap	1851	677421



ID	Location	Land Use	Date	Group ID
17	481m E	Unspecified Heap	1890	650728
AA	486m N	Unspecified Tank	1949	674710
AE	487m N	Unspecified Mill	1908	778950
19	487m E	Refuse Heap	1851	677422
AA	487m N	Tramway Sidings	1908	670790
AA	488m N	Railway Sidings	1938	768386
AA	488m N	Railway Sidings	1928	768386

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m

138

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 28**

ID	Location	Land Use	Date	Group ID
A	On site	Unspecified Tank	1890	84207
A	On site	Unspecified Tank	1910	97541
A	On site	Unspecified Tank	1930	97541
E	18m SE	Unspecified Tank	1957	95963
E	18m SE	Unspecified Tank	-	77878
E	18m SE	Unspecified Tank	1890	84208
E	18m SE	Unspecified Tank	1957	95963
B	31m SE	Tanks	1910	87682
B	42m E	Unspecified Tank	1890	84206
D	73m NW	Tanks	1910	87681
B	101m E	Unspecified Tank	1890	84325
M	118m SW	Unspecified Tank	1957	99854
M	118m SW	Unspecified Tank	1957	96678



ID	Location	Land Use	Date	Group ID
M	121m SW	Unspecified Tank	1984	84210
M	122m SW	Unspecified Tank	-	77879
M	128m S	Unspecified Tank	1957	89624
M	128m S	Unspecified Tank	-	77930
M	129m S	Unspecified Tank	1984	100022
M	129m S	Unspecified Tank	1957	102083
O	161m SE	Unspecified Tank	1890	95266
O	161m SE	Unspecified Tank	1910	95266
O	161m SE	Unspecified Tank	1930	95266
M	165m SW	Unspecified Tank	1957	102249
M	166m SW	Unspecified Tank	1957	91675
3	171m W	Unspecified Tank	1910	84209
L	182m NE	Unspecified Tank	1890	84326
L	183m NE	Unspecified Tank	1959	84327
I	205m SE	Unspecified Tank	1890	84213
K	209m N	Tanks	1910	88622
K	209m N	Tanks	1930	88622
V	213m SE	Gasholder Station	1974	101994
P	215m S	Unspecified Tank	1957	96780
P	216m S	Unspecified Tank	1957	96780
R	220m SE	Unspecified Tank	1957	103878
R	220m SE	Unspecified Tank	1957	103878
R	220m SE	Unspecified Tank	-	77904
V	233m SE	Gas Works	1967	88580
V	234m SE	Gas Holder Station	1979	102601
V	234m SE	Gas Holder Station	1988	102601
V	234m SE	Gasholder Station	1997	101097
V	240m SE	Gasholder Station	1990	85874

ID	Location	Land Use	Date	Group ID
V	241m SE	Gasometer	1890	89434
V	241m SE	Gasometer	1910	89434
V	241m SE	Unspecified Tank	1930	84328
V	248m SE	Unspecified Tank	1984	96689
V	248m SE	Gas Holder	1990	88188
V	248m SE	Gasometer	1910	78080
V	248m SE	Unspecified Tank	1930	103497
V	248m SE	Unspecified Tank	1957	96689
V	248m SE	Unspecified Tank	-	77847
V	249m SE	Unspecified Tank	1957	92517
V	255m SE	Unspecified Tank	1993	92553
V	255m SE	Unspecified Tank	1973	92553
V	255m SE	Unspecified Tank	1957	92517
V	255m SE	Unspecified Tank	1957	92517
V	255m SE	Unspecified Tank	1985	92553
V	255m SE	Unspecified Tank	1990	92553
V	255m SE	Unspecified Tank	1990	92553
X	257m E	Unspecified Tank	1910	84329
V	259m SE	Gasholder Station	1973	101994
V	259m SE	Gas Holder Station	1993	95263
V	259m SE	Gasholder Station	1985	88747
V	259m SE	Gasholder Station	1990	88747
V	259m SE	Gasholder Station	1990	88747
V	261m SE	Unspecified Tank	1910	90847
V	261m SE	Unspecified Tank	1930	90847
V	268m SE	Unspecified Tank	1890	84324
V	271m SE	Tanks	1910	99934
V	278m SE	Gasometers	1890	104228



ID	Location	Land Use	Date	Group ID
V	278m SE	Gasometers	1910	104228
V	278m SE	Tanks	1930	98467
V	279m SE	Oil Tank	1910	88151
V	279m SE	Unspecified Tank	1930	84320
V	280m SE	Oil Tank	1910	88152
V	280m SE	Tanks	1930	99934
V	282m SE	Unspecified Tank	1957	95804
V	282m SE	Unspecified Tank	1890	93909
V	282m SE	Unspecified Tank	1957	98431
V	286m SE	Unspecified Tank	1959	101819
V	286m SE	Unspecified Tank	1959	101819
V	286m SE	Unspecified Tank	1967	101819
V	288m SE	Unspecified Tank	1910	89781
V	288m SE	Unspecified Tank	1930	89781
V	292m SE	Gasholder	1973	85851
V	292m SE	Unspecified Tank	1957	84321
V	292m SE	Gas Holder	1993	103081
V	293m SE	Unspecified Tank	1910	84323
V	293m SE	Gas Holder	1985	103081
V	293m SE	Gas Holder	1990	103081
V	293m SE	Gas Holder	1990	103081
AA	293m N	Tanks	1978	95066
AA	294m N	Tanks	1987	95066
V	303m SE	Unspecified Tank	1890	103378
V	303m SE	Unspecified Tank	1910	103378
AC	304m N	Tanks	1910	96830
AC	304m N	Tanks	1930	96830
V	304m SE	Unspecified Tank	1930	103378



ID	Location	Land Use	Date	Group ID
AA	312m N	Tanks	1930	87654
AC	313m N	Tanks	1890	98875
V	316m SE	Unspecified Tank	1910	100490
V	316m SE	Unspecified Tank	1930	100490
V	317m SE	Gasholder	1973	85852
V	317m SE	Unspecified Tank	1957	95823
V	318m SE	Gas Holder	1993	102245
V	318m SE	Tanks	1973	97431
V	318m SE	Unspecified Tank	1957	95823
V	318m SE	Tanks	1957	101178
V	319m SE	Gas Holder	1985	98797
V	319m SE	Gas Holder	1990	98797
V	319m SE	Gas Holder	1990	98797
V	319m SE	Tanks	1957	101178
AA	320m N	Unspecified Tank	1987	84178
AA	340m N	Unspecified Tank	1890	84179
V	365m SE	Tanks	1930	87687
V	367m SE	Tanks	1890	92095
V	367m SE	Tanks	1910	92095
V	374m E	Gasometers	1959	92298
V	374m E	Gasometers	1967	92298
V	375m E	Tanks	1959	87684
V	382m SE	Tanks	1910	100099
V	382m SE	Tanks	1930	100099
V	388m E	Tanks	1930	87683
V	397m E	Tanks	1957	96529
V	397m E	Tanks	1957	103391
V	403m SE	Unspecified Tank	1993	90122

ID	Location	Land Use	Date	Group ID
V	404m SE	Unspecified Tank	1985	90122
V	404m SE	Unspecified Tank	1990	90122
V	404m SE	Unspecified Tank	1990	90122
V	407m SE	Unspecified Tank	1930	84322
V	408m SE	Tar Tanks	1910	78341
AL	427m SW	Tanks	1993	100900
AL	427m SW	Tanks	1990	100900
AI	441m NE	Unspecified Tank	1890	84330
AK	455m E	Unspecified Tank	1890	91432
AK	455m E	Unspecified Tank	1930	91432
AA	479m N	Unspecified Tank	1890	84173
18	484m SE	Unspecified Tank	1891	84317
AA	493m N	Unspecified Tank	1995	84177

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m

44

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 28**

ID	Location	Land Use	Date	Group ID
D	3m N	Electricity Substation	1987	57714
D	4m N	Electricity Substation	1995	57714
I	195m S	Electricity Substation	1984	57391
I	195m S	Electricity Substation	1990	57391
R	201m SE	Electricity Substation	1990	45541
V	213m SE	Gasholder Station	1974	57081
V	217m SE	Electricity Substation	1997	55227



ID	Location	Land Use	Date	Group ID
V	217m SE	Electricity Substation	1988	55227
V	222m SE	Corporation Gas Works	1910	59229
V	230m SE	Corporation Gas Works	1890	59229
V	233m SE	Gas Works	1967	46625
V	234m SE	Gas Holder Station	1979	54374
V	234m SE	Gas Holder Station	1988	54374
V	234m SE	Gasholder Station	1997	53887
V	240m SE	Gasholder Station	1990	46362
V	241m SE	Gasometer	1890	49944
V	241m SE	Gasometer	1910	49944
R	245m SE	Electricity Substation	1990	45540
V	248m SE	Gas Holder	1990	46490
V	248m SE	Gasometer	1910	46132
X	255m E	Corporation Electricity Station	1910	46385
V	259m SE	Gasholder Station	1973	57081
V	259m SE	Gas Holder Station	1993	57023
V	259m SE	Gasholder Station	1985	51739
V	259m SE	Gasholder Station	1990	51739
V	259m SE	Gasholder Station	1990	51739
V	278m SE	Gasometers	1890	49188
V	278m SE	Gasometers	1910	49188
V	292m SE	Gasholder	1973	46339
V	292m SE	Gas Holder	1993	53607
V	293m SE	Gas Holder	1985	53607
V	293m SE	Gas Holder	1990	53607
V	293m SE	Gas Holder	1990	53607
V	317m SE	Gasholder	1973	46340
V	318m SE	Gas Holder	1993	58404

ID	Location	Land Use	Date	Group ID
V	319m SE	Gas Holder	1985	55941
V	319m SE	Gas Holder	1990	55941
V	319m SE	Gas Holder	1990	55941
9	339m W	Electricity Substation	1992	45491
V	374m E	Gasometers	1959	52993
V	374m E	Gasometers	1967	52993
AH	388m W	Electricity Substation	1972	58765
AH	388m W	Electricity Substation	1993	58765
AH	389m W	Electricity Substation	1990	58765

This data is sourced from Ordnance Survey / Groundsure.

2.4 Historical petrol stations

Records within 500m

0

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

This data is sourced from Ordnance Survey / Groundsure.

2.5 Historical garages

Records within 500m

12

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 28**

ID	Location	Land Use	Date	Group ID
J	78m NE	Garage	1978	17439
J	78m NE	Garage	1959	17439
J	90m N	Garage	1959	16797
K	173m N	Garage	1978	14598

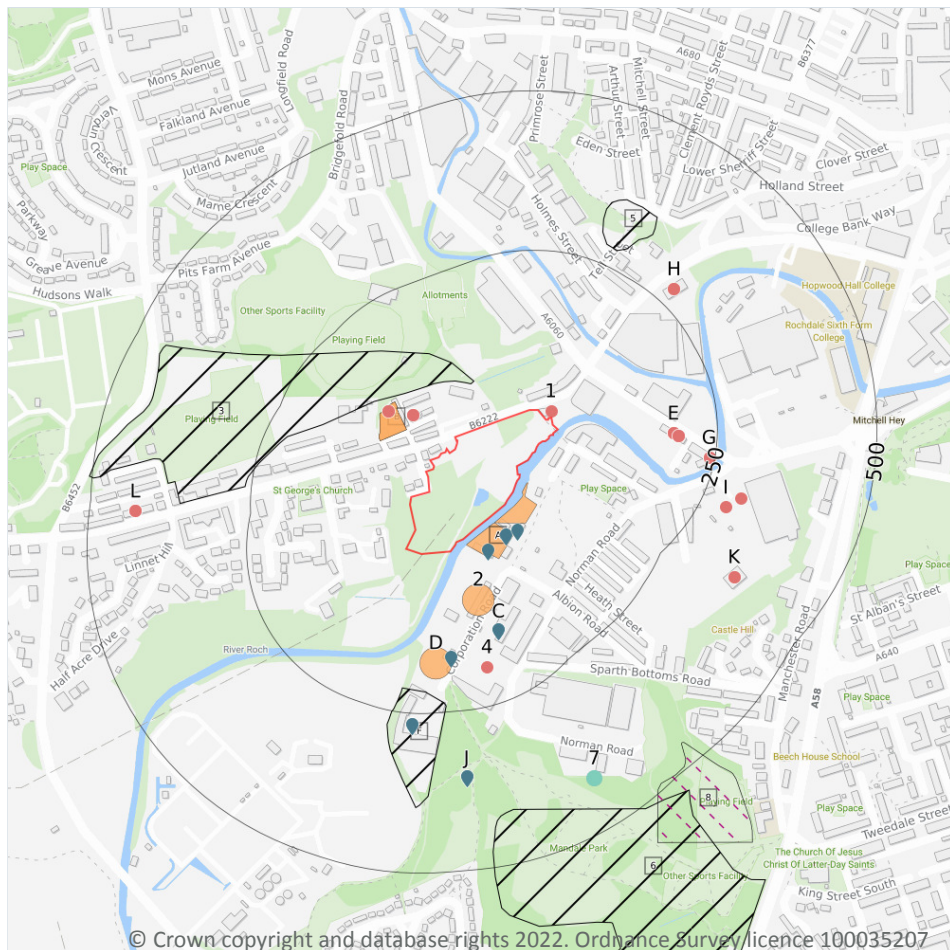


ID	Location	Land Use	Date	Group ID
U	214m W	Garage	1989	17042
U	214m W	Garage	1992	17535
U	214m W	Garage	1980	17535
V	425m SE	Garage	1993	15733
V	425m SE	Garage	1973	15329
V	426m SE	Garage	1990	19160
V	426m SE	Garage	1990	19160
V	426m SE	Garage	1985	19160

This data is sourced from Ordnance Survey / Groundsure.



3 Waste and landfill



- Site Outline
- Search buffers in metres (m)
- Historical landfill (EA/NRW)
- Historical landfill (BGS)
- Historical landfill (LA/OS)
- 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

1

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.

Features are displayed on the Waste and landfill map on **page 49**



ID	Location	Address	BGS Number	Risk	Waste Type
7	421m SE	Mandale Park, Rochdale, Gt Manchester	1853	No risk to aquifer	N/A

This data is sourced from the British Geological Survey.

3.3 Historical landfill (LA/mapping records)

Records within 500m	1
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Landfill sites identified from Local Authority records and high detail historical mapping.

Features are displayed on the Waste and landfill map on **page 49**

ID	Location	Site address	Source	Data type
8	464m SE	Refuse Tip	1973 mapping	Polygon

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

3.4 Historical landfill (EA/NRW records)

Records within 500m	4
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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 49**

ID	Location	Details		
3	69m N	Site Address: Sandy Brow, Rochdale, Sandy Brow, Rochdale, Greater Manchester Licence Holder Address: -	Waste Licence: - Site Reference: D075 Waste Type: - Environmental Permitting Regulations (Waste) Reference: - Licence Issue: - Licence Surrender: -	Operator: - Licence Holder: - First Recorded: - Last Recorded: -
F	211m S	Site Address: Sparth Mill, Corporation Road, Rochdale, Greater Manchester Licence Holder Address: -	Waste Licence: - Site Reference: D084 Waste Type: Industrial, Commercial Environmental Permitting Regulations (Waste) Reference: - Licence Issue: - Licence Surrender: -	Operator: - Licence Holder: - First Recorded: - Last Recorded: -

ID	Location	Details		
5	279m NE	Site Address: Central Tip, Eden Street and Grimble Street, Rochdale, Greater Manchester Licence Holder Address: -	Waste Licence: - Site Reference: D072 Waste Type: - Environmental Permitting Regulations (Waste) Reference: - Licence Issue: - Licence Surrender: -	Operator: - Licence Holder: - First Recorded: - Last Recorded: -
6	415m S	Site Address: Mandale Park, Rochdale, Greater Manchester Licence Holder Address: -	Waste Licence: - Site Reference: - Waste Type: - Environmental Permitting Regulations (Waste) Reference: - Licence Issue: - Licence Surrender: -	Operator: Rochdale County Borough Council Licence Holder: - First Recorded 31/12/1969 Last Recorded: -

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

3.5 Historical waste sites

Records within 500m	6
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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 49**

ID	Location	Address	Further Details	Date
A	9m SE	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1990
A	10m SE	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1995
B	60m NW	Site Address: N/A	Type of Site: Waste Rubber Works Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1910
B	60m NW	Site Address: N/A	Type of Site: Waste Rubber Works Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1930



ID	Location	Address	Further Details	Date
2	62m SE	Site Address: Rochdale WWTW, Roch Valley Way, ROCHDALE, Greater Manchester, OL11 4HQ	Type of Site: Waste Water Transfer Station Planning application reference: 09/D51654 Description: Scheme comprises construction of strain press building with integral odour controlled skip removal facility. An application (ref: 09/D51654) for detailed planning permission was granted by Rochdale B.C. A detailed planning application has been granted. Data source: Historic Planning Application Data Type: Point	30/06/2009
D	147m S	Site Address: Corporation Road, ROCHDALE, Greater Manchester, OL11 4HJ	Type of Site: Waste Transfer Unit Planning application reference: D33666 Description: An application (ref: D33666) for Detailed Planning permission was submitted to Rochdale B.C. on 22nd October 1996. Data source: Historic Planning Application Data Type: Point	-

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

3.6 Licensed waste sites

Records within 500m	14
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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 49**

ID	Location	Details		
A	39m SE	Site Name: Japs Of Rochdale Site Address: Mandale Park, Corporation Road, Rochdale, Lancashire, OL11 4HJ Correspondence Address: -	Type of Site: Metal Recycling Site (Vehicle Dismantler) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: ALI001 EPR reference: EA/EPR/PP3394CY/A001 Operator: Ali Saeed Waste Management licence No: 50175 Annual Tonnage: 200	Issue Date: 05/12/2003 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued



ID	Location	Details		
A	39m SE	Site Name: Rochdale Motor Breakers Site Address: Mandale Park, Corporation Road, Rochdale, Lancashire, OL11 4HJ Correspondence Address: -	Type of Site: Metal Recycling Site (Vehicle Dismantler) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: MUH001 EPR reference: EA/EPR/BB3301UX/T001 Operator: Ikram Muhammad Waste Management licence No: 50175 Annual Tonnage: 200	Issue Date: 05/12/2003 Effective Date: 13/09/2018 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred
A	39m SE	Site Name: Mazda Spares Site Address: Mandale Park, Corporation Road, Rochdale, Lancashire, OL11 4HJ Correspondence Address: -	Type of Site: Metal Recycling Site (Vehicle Dismantler) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: AMS001 EPR reference: EA/EPR/FP3798CL/A001 Operator: Arshad Mahmood & Shiraz Khan Waste Management licence No: 50013 Annual Tonnage: 417	Issue Date: 30/04/1999 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
A	45m SE	Site Name: Mazda & Mitsubishi Spares Site Address: Mazda & Mitsubishi Spares, Corporation Road, Rochdale, Lancashire, OL11 4HJ Correspondence Address: -	Type of Site: Vehicle Depollution Facility 5000 tps Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: AMS001 EPR reference: EA/EPR/FP3798CL/V002 Operator: Mr Arshad Mahmood & Mr Shiraz Khan Waste Management licence No: 50013 Annual Tonnage: 4999	Issue Date: 30/04/1999 Effective Date: - Modified: 28/02/2012 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
C	146m SE	Site Name: Mohammed Saeed Site Address: Brimrod Yard, Corporation Road, Sparth Bottoms, Rochdale, Lancashire, OL11 4HJ Correspondence Address: -	Type of Site: Metal Recycling Site (Vehicle Dismantler) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: JAP004 EPR reference: VP3495ET/V002 Operator: Mohammed Saeed Waste Management licence No: 100110 Annual Tonnage: 0	Issue Date: 26/09/2007 Effective Date: - Modified: 29/07/2009 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified



ID	Location	Details		
C	146m SE	Site Name: Mohammed Saeed Site Address: Brimrod Yard, Corporation Road, Sparth Bottoms, Rochdale, Lancashire, OL11 4HJ Correspondence Address: -	Type of Site: ELV Facility Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: JAP004 EPR reference: EA/EPR/VP3495ET/V002 Operator: Mohammed Saeed Waste Management licence No: 100110 Annual Tonnage: 2499	Issue Date: 26/09/2007 Effective Date: - Modified: 29/07/2009 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
D	168m S	Site Name: Slates Yard Site Address: Slates Yard, Corporation Road, Rochdale, Lancashire, OL11 4EU Correspondence Address: -	Type of Site: Vehicle Depollution Facility 5000 tps Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: SUL008 EPR reference: EA/EPR/UP3793VL/V002 Operator: Mr Shehzad Suleman And Mr Arsalan Asim Waste Management licence No: 53515 Annual Tonnage: 4999	Issue Date: 06/01/1998 Effective Date: 21/09/2011 Modified: 30/09/2011 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
F	270m S	Site Name: Dickinson Environmental Site Address: End Yard, Corporation Road, Rochdale, Lancashire, OL11 4EU Correspondence Address: Lower Stakehill Farm, Stakehill Lane, Middleton, Manchester, M24 2RY	Type of Site: Metal Recycling Site (mixed MRS's) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: DIC001 EPR reference: - Operator: Mr P Dickinson & Mr D Dickinson Waste Management licence No: 50016 Annual Tonnage: 417	Issue Date: 20/09/1999 Effective Date: 24/05/2002 Modified: 23/05/2002 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
F	270m S	Site Name: Dickinson Environmental Transfer Station Site Address: End Yard, Corporation Road, Rochdale, Lancashire, OL11 4EU Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: DIC001 EPR reference: EA/EPR/CP3098CH/V004 Operator: Mr P Dickinson Waste Management licence No: 50016 Annual Tonnage: 25000	Issue Date: 20/09/1999 Effective Date: 24/05/2002 Modified: 30/06/2003 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified



ID	Location	Details		
F	270m S	Site Name: Dickinson Environmental Transfer Station Site Address: End Yard, Corporation Road, Rochdale, Lancashire, OL11 4EU Correspondence Address: -	Type of Site: 75kte HCI Waste TS + treatment Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: DIC001 EPR reference: EA/EPR/CP3098CH/V006 Operator: Mr P Dickinson Waste Management licence No: 50016 Annual Tonnage: 75000	Issue Date: 20/09/1999 Effective Date: 24/05/2002 Modified: 17/02/2014 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
F	270m S	Site Name: Dickinson Environmental Transfer Station Site Address: End Yard, Corporation Road, Rochdale, Lancashire, OL11 4EU Correspondence Address: -	Type of Site: 75kte HCI Waste TS + treatment Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: DIC001 EPR reference: EA/EPR/CP3098CH/V006 Operator: Mr P Dickinson Waste Management licence No: 50016 Annual Tonnage: 75000	Issue Date: 20/09/1999 Effective Date: 24/05/2002 Modified: 17/02/2014 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
J	356m S	Site Name: Dickinson Envionmental Site Address: Corporation Road, Rochdale, Lancashire, OL11 4EU Correspondence Address: Lower Stakehill Farm, Stakehill Lane, Middleton, Manchester, M24 2RY	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: PDI001 EPR reference: - Operator: Dickinson Phil Waste Management licence No: 53515 Annual Tonnage: 2084	Issue Date: 06/01/1998 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
J	356m S	Site Name: Kingsway Car Parts Site Address: Slates Yard, Corporation Road, Rochdale, Lancashire, OL11 4EU Correspondence Address: -	Type of Site: Metal Recycling Site (Vehicle Dismantler) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: AHK001 EPR reference: EA/EPR/CP3092CJ/V002 Operator: Hayto Andrew Waste Management licence No: 53515 Annual Tonnage: 2084	Issue Date: 06/01/1998 Effective Date: 10/07/2003 Modified: 30/06/2003 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred



ID	Location	Details		
J	356m S	Site Name: Kingsway Car Parts Site Address: Slates Yard, Corporation Road, Rochdale, Lancashire, OL11 4EU Correspondence Address: -	Type of Site: Metal Recycling Site (Vehicle Dismantler) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: SUL008 EPR reference: EA/EPR/UP3793VL/T001 Operator: Mr Shehzad Suleman And Mr Arsalan Asim Waste Management licence No: 53515 Annual Tonnage: 4999	Issue Date: 06/01/1998 Effective Date: 21/09/2011 Modified: 30/06/2003 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred

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

3.7 Waste exemptions

Records within 500m	36
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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 49**

ID	Location	Site	Reference	Category	Sub-Category	Description
1	10m N	262-266, Bury Road, Rochdale, OL11 4EE	WEX293130	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
B	75m NW	BRITANNIA METALS LIMITED, CHADWICK STREET, ROCHDALE, OL11 5HD	WEX157799	Treating waste exemption	Not on a Farm	Recovery of scrap metal
B	75m NW	CHADWICK STREET, ROCHDALE, OL11 5HD	WEX153602	Treating waste exemption	Not on a farm	Recovery of scrap metal
B	75m NW	Land at Chadwick Street ROCHDALE Lancashire OL11 5HD	EPR/ZF0503EL /A001	Treating waste exemption	Non- Agricultural Waste Only	Recovery of scrap metal
B	101m NW	Land at Chadwick Street ROCHDALE Lancashire OL11 5HD	EPR/HE5259FP /A001	Storing waste exemption	Non- Agricultural Waste Only	Storage of waste in secure containers
B	101m NW	Land at Chadwick Street ROCHDALE Lancashire OL11 5HD	EPR/HE5259FP /A001	Storing waste exemption	Non- Agricultural Waste Only	Storage of waste in a secure place



ID	Location	Site	Reference	Category	Sub-Category	Description
B	101m NW	Land at Chadwick Street ROCHDALE Lancashire OL11 5HD	EPR/HE5259FP /A001	Treating waste exemption	Non- Agricultural Waste Only	Recovery of scrap metal
E	181m E	-	WEX259767	Storing waste exemption	Not on a farm	Storage of waste in a secure place
E	181m E	-	WEX259767	Storing waste exemption	Not on a farm	Storage of waste in secure containers
E	181m E	-	WEX259767	Treating waste exemption	Not on a farm	Recovery of scrap metal
E	181m E	-	WEX259767	Treating waste exemption	Not on a farm	Screening and blending of waste
E	181m E	-	WEX259767	Using waste exemption	Not on a farm	Incorporation of ash into soil
E	181m E	-	WEX259767	Using waste exemption	Not on a farm	Spreading waste on non- agricultural land to confer benefit
E	181m E	-	WEX259767	Using waste exemption	Not on a farm	Spreading waste on agricultural land to confer benefit
E	181m E	-	WEX259767	Using waste exemption	Not on a farm	Use of waste in construction
E	189m E	Mellor Street Storage Depot, Mellor Street, Rochdale, OL12 6XD	WEX099953	Treating waste exemption	Not on a farm	Sorting mixed waste
E	189m E	Mellor Street Storage Depot, Mellor Street, Rochdale, OL12 6XD	WEX099953	Using waste exemption	Not on a farm	Use of waste in construction
E	189m E	Mellor Street Storage Depot, Mellor Street, Rochdale, OL12 6XD	WEX099953	Storing waste exemption	Not on a farm	Storage of waste in secure containers
E	189m E	Mellor Street Storage Depot, Mellor Street, Rochdale, OL12 6XD	WEX099953	Treating waste exemption	Not on a farm	Recovery of scrap metal
4	190m S	NORMAN ROAD, ROCHDALE, OL11 4HS	WEX144000	Storing waste exemption	Not on a farm	Storage of waste in a secure place
G	241m E	Mellor Street Storage Depot, Mellor Street, Rochdale, OL12 6XD	WEX244166	Storing waste exemption	Not on a farm	Storage of waste in secure containers



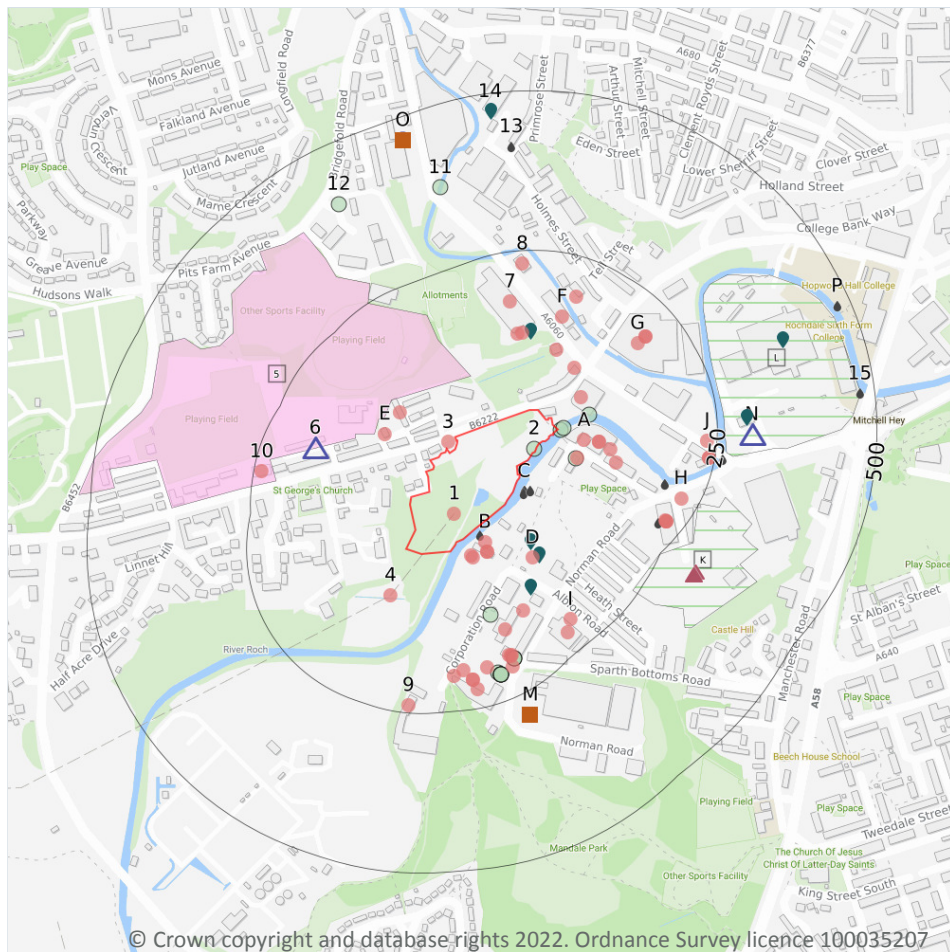
ID	Location	Site	Reference	Category	Sub-Category	Description
G	241m E	Mellor Street Storage Depot, Mellor Street, Rochdale, OL12 6XD	WEX244166	Treating waste exemption	Not on a farm	Sorting mixed waste
G	241m E	Mellor Street Storage Depot, Mellor Street, Rochdale, OL12 6XD	WEX244166	Treating waste exemption	Not on a farm	Recovery of scrap metal
G	241m E	Mellor Street Storage Depot, Mellor Street, Rochdale, OL12 6XD	WEX244166	Using waste exemption	Not on a farm	Use of waste in construction
H	278m NE	Unit 1, Mitchell Hey Mill, College Road, OL12 6AE, Rochdale, OL12 6AE	WEX281758	Storing waste exemption	Not on a farm	Storage of waste in a secure place
H	278m NE	Unit 1, Mitchell Hey Mill, College Road, OL12 6AE, Rochdale, OL12 6AE	WEX281758	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
H	278m NE	Unit 1, Mitchell Hey Mill, College Road, OL12 6AE, Rochdale, OL12 6AE	WEX281758	Using waste exemption	Not on a farm	Use of waste for a specified purpose
I	290m SE	-	WEX244774	Using waste exemption	Not on a farm	Use of waste in construction
I	306m E	National Grid Dane Street OL11 4EZ	EPR/ZE5848VR /A001	Treating waste exemption	Non-Agricultural Waste Only	Preparatory treatments (baling, sorting, shredding etc)
K	360m SE	DANE STREET, ROCHDALE, OL11 4EZ	WEX157469	Storing waste exemption	Not on a Farm	Storage of waste in a secure place
K	360m SE	DANE STREET, ROCHDALE, OL11 4EZ	WEX157469	Treating waste exemption	Not on a Farm	Preparatory treatments (baling, sorting, shredding etc)
L	429m W	-	WEX232115	Using waste exemption	Not on a farm	Use of waste to manufacture finished goods
L	429m W	-	WEX232115	Treating waste exemption	Not on a farm	Recovery of textiles
L	429m W	-	WEX232115	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
L	429m W	-	WEX232115	Treating waste exemption	Not on a farm	Recovery of scrap metal
L	429m W	-	WEX232115	Treating waste exemption	Not on a farm	Sorting mixed waste



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
- △ Current or recent petrol stations
- Sites determined as Contaminated Land
- Control of Major Accident Hazards
- ▲ Hazardous substance storage/usage
- ⬮ Part A(1) industrial activities
- Licensed pollutant release (Part A(2)/B)
- Licensed Discharges to controlled waters
- Pollutant release to public sewer
- Pollution Incidents (EA/NRW)

4.1 Recent industrial land uses

Records within 250m

53

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on **page 60**

ID	Location	Company	Address	Activity	Category
1	On site	Pylon	Greater Manchester, OL11	Electrical Features	Infrastructure and Facilities
3	11m N	Electricity Sub Station	Greater Manchester, OL11	Electrical Features	Infrastructure and Facilities
B	25m SE	Recycling Business	Greater Manchester, OL11	Recycling Centres	Infrastructure and Facilities



ID	Location	Company	Address	Activity	Category
B	28m SE	Pylon	Greater Manchester, OL11	Electrical Features	Infrastructure and Facilities
B	33m SE	Mast	Greater Manchester, OL11	Telecommunications Features	Infrastructure and Facilities
B	40m SE	Mazda & Mitsubishi Spares Ltd	Mandale Park, Corporation Road, Rochdale, Greater Manchester, OL11 4HJ	Vehicle Parts and Accessories	Motoring
B	40m SE	Rochdale Vehicle Breakers	Mandale Park, Corporation Road, Rochdale, Greater Manchester, OL11 4HJ	Scrap Metal Merchants	Recycling Services
A	44m E	Works	Greater Manchester, OL11	Unspecified Works Or Factories	Industrial Features
A	52m SE	M M K Repairs	Mandale Park, Corporation Road, Rochdale, Greater Manchester, OL11 4HJ	Vehicle Parts and Accessories	Motoring
A	57m NE	G T S Sheet Metal Ltd	Redbrook Mill, Bury Road, Rochdale, Greater Manchester, OL11 4EE	Metalworkers Including Blacksmiths	Construction Services
A	67m E	T E C Engineering	Bridgefield Street, Rochdale, Greater Manchester, OL11 4EY	Precision Engineers	Engineering Services
A	67m E	Design Fabricate Build Services Ltd	Boro Works, Bridgefield Street, Rochdale, Greater Manchester, OL11 4EY	Metalworkers Including Blacksmiths	Construction Services
4	77m S	Pylon	Greater Manchester, OL11	Electrical Features	Infrastructure and Facilities
E	83m NW	Britannia Metals Ltd	1, Chadwick Street, Rochdale, Greater Manchester, OL11 5HD	Scrap Metal Merchants	Recycling Services
A	86m NE	Home Television	254, Bury Road, Rochdale, Greater Manchester, OL11 4EE	Electrical Equipment Repair and Servicing	Repair and Servicing
A	89m E	Works	Greater Manchester, OL11	Unspecified Works Or Factories	Industrial Features
E	89m NW	Works	Greater Manchester, OL11	Unspecified Works Or Factories	Industrial Features
D	91m SE	Hopper	Greater Manchester, OL11	Hoppers and Silos	Farming
A	98m N	Mellor Street Garage	Mellor Street, Rochdale, Greater Manchester, OL12 6AA	Vehicle Repair, Testing and Servicing	Repair and Servicing
A	105m SE	Lo-dough	Bridgefield Street, Rochdale, Greater Manchester, OL11 4EY	Catering and Non Specific Food Products	Foodstuffs



ID	Location	Company	Address	Activity	Category
A	121m N	Electricity Sub Station	Greater Manchester, OL11	Electrical Features	Infrastructure and Facilities
A	121m N	Electricity Sub Station	Greater Manchester, OL11	Electrical Features	Infrastructure and Facilities
D	146m SE	Rochdale Industrial Centre	Greater Manchester, OL11	Business Parks and Industrial Estates	Industrial Features
D	149m SE	Damar Interiors N W Ltd	Unit 11, Albion Road Industrial Estate, Rochdale, Greater Manchester, OL11 4JB	Building and Component Suppliers	Construction Services
F	151m N	Acceleration Services Ltd	70, Mellor Street, Rochdale, Greater Manchester, OL12 6AA	Vehicle Repair, Testing and Servicing	Repair and Servicing
7	173m N	Works	Greater Manchester, OL11	Unspecified Works Or Factories	Industrial Features
G	179m NE	Works	Greater Manchester, OL12	Unspecified Works Or Factories	Industrial Features
D	185m SE	W & S Allely Ltd	Unit 9, Albion Road Industrial Estate, Rochdale, Greater Manchester, OL11 4JB	Metals Manufacturers, Fabricators and Stockholders	Industrial Products
D	187m S	Mac's Skips	Corporation Road, Rochdale, Greater Manchester, OL11 4EU	Construction and Tool Hire	Hire Services
F	187m N	Works	Greater Manchester, OL12	Unspecified Works Or Factories	Industrial Features
D	189m SE	Allely	Unit 8-9, Albion Road Industrial Estate, Rochdale, Greater Manchester, OL11 4JB	Metals Manufacturers, Fabricators and Stockholders	Industrial Products
D	189m SE	Eden Material Services Ltd	Unit 9, Albion Road Industrial Estate, Rochdale, Greater Manchester, OL11 4JB	Metals Manufacturers, Fabricators and Stockholders	Industrial Products
D	190m S	M A - M O T Centre	Norman Road, Rochdale, Greater Manchester, OL11 4HS	Vehicle Repair, Testing and Servicing	Repair and Servicing
G	194m NE	Acegate Manufacturing Ltd	Mitchell Hey Mills, College Road, Rochdale, Greater Manchester, OL12 6AE	Metals Manufacturers, Fabricators and Stockholders	Industrial Products
G	194m NE	Better Dreams Ltd	Mitchell Hey Mills, College Road, Rochdale, Greater Manchester, OL12 6AE	Textiles, Fabrics, Silk and Machinery	Industrial Products
D	195m S	Electricity Sub Station	Greater Manchester, OL11	Electrical Features	Infrastructure and Facilities



ID	Location	Company	Address	Activity	Category
D	203m S	Global Parts Specialists Ltd	Norman Road, Rochdale, Greater Manchester, OL11 4HS	Scrap Metal Merchants	Recycling Services
D	203m S	Rochdale MOT & Repair	Norman Road, Rochdale, Greater Manchester, OL11 4HS	Vehicle Repair, Testing and Servicing	Repair and Servicing
I	204m SE	Electricity Sub Station	Greater Manchester, OL11	Electrical Features	Infrastructure and Facilities
D	205m SE	Chimney	Greater Manchester, OL11	Chimneys	Industrial Features
I	217m SE	Works	Greater Manchester, OL11	Unspecified Works Or Factories	Industrial Features
D	220m S	Car & Van Dismantlers	Brimrod Mill, Corporation Road, Rochdale, Greater Manchester, OL11 4EU	Scrap Metal Merchants	Recycling Services
H	221m SE	Electricity Sub Station	Greater Manchester, OL12	Electrical Features	Infrastructure and Facilities
H	221m SE	Business Centre	Greater Manchester, OL12	Business Parks and Industrial Estates	Industrial Features
H	222m SE	Colourcode Plastics	Unit 3-4 Rochdale Enterprise Generation Centre, Dane Street, Rochdale, Greater Manchester, OL12 6XB	Industrial Coatings and Finishings	Industrial Products
H	222m SE	Routes Healthcare	Office 30 Evans Business Centre, Dane Street, Rochdale, Greater Manchester, OL12 6XB	Medical Equipment, Supplies and Pharmaceuticals	Industrial Products
H	222m SE	webuyanycar.com	Office 1 Evans Business Centre, Dane Street, Rochdale, Greater Manchester, OL12 6XB	Secondhand Vehicles	Motoring
8	230m N	Delta Obstruction Lighting	Aviation House 76, Mellor Street, Rochdale, Greater Manchester, OL12 6AA	Aeroplanes	Industrial Products
J	235m E	Electricity Sub Station	Greater Manchester, OL12	Electrical Features	Infrastructure and Facilities
9	238m S	Technical Welding Services	Corporation Road, Rochdale, Greater Manchester, OL11 4HJ	Packaging	Industrial Products
10	238m W	Oakenrod Service Station	Oakenrod Service Station, Bury Road, Rochdale, Greater Manchester, OL11 4EB	Secondhand Vehicles	Motoring



ID	Location	Company	Address	Activity	Category
J	241m E	Doug Ashton Hires	1, Mellor Street, Rochdale, Greater Manchester, OL12 6XD	Construction and Tool Hire	Hire Services
J	241m E	Benfield Electric Europe Ltd	Tramway Offices, Mellor Street, Rochdale, Greater Manchester, OL12 6AA	Distribution and Haulage	Transport, Storage and Delivery

This data is sourced from Ordnance Survey.

4.2 Current or recent petrol stations

Records within 500m	2
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Open, closed, under development and obsolete petrol stations.

Features are displayed on the Current industrial land use map on **page 60**

ID	Location	Company	Address	LPG	Status
6	169m NW	OBSOLETE	Bury Road, Rochdale, Greater Manchester, OL11 4EB	Not Applicable	Obsolete
N	304m E	ASDA	Dane Street, Mitchell Hey, Rochdale, Greater Manchester, OL12 6XT	No	Open

This data is sourced from Experian.

4.3 Electricity cables

Records within 500m	0
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High voltage underground electricity transmission cables.

This data is sourced from National Grid.

4.4 Gas pipelines

Records within 500m	0
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High pressure underground gas transmission pipelines.

This data is sourced from National Grid.



4.5 Sites determined as Contaminated Land

Records within 500m

1

Contaminated Land Register of sites designated under Part 2a of the Environmental Protection Act 1990. Features are displayed on the Current industrial land use map on **page 60**

ID	Location	Description	Site name	Category	Year identified
5	81m N	Former landfill site. Assessment concluded that not meet the legal definition of "contaminated land" as defined by the 1990 Environmental Protection Act	Sandy Brow former landfill site. Spotland, Rochdale	Potentially Contaminated Land - Revoked	2013

This data is sourced from Local Authority records.

4.6 Control of Major Accident Hazards (COMAH)

Records within 500m

2

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

Features are displayed on the Current industrial land use map on **page 60**

ID	Location	Company	Address	Operational status	Tier
K	241m SE	National Grid Gas Plc	National Grid Gas Plc, Rochdale Holder Station, Dane Street, Rochdale, Greater Manchester, OL11 4ES	Historical COMAH Site	-
L	258m E	British Gas	British Gas, Dane Street, Rochdale	Historical NIHHS Site	-

This data is sourced from the Health and Safety Executive.

4.7 Regulated explosive sites

Records within 500m

0

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

This data is sourced from the Health and Safety Executive.



4.8 Hazardous substance storage/usage

Records within 500m

2

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 60**

ID	Location	Details	
K	310m SE	Application reference number: 00/D37592 Application status: Approved Application date: 28/04/2000 Address: National Grid Gas PLC, Rochdale Holder Station, Dane Street, Rochdale, Greater Manchester, England, OL11 4HD	Details: Application for consent to store hazardous substances at Dane Street depot. Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
K	310m SE	Application reference number: 92/D28632 Application status: Historical Consent Application date: 15/09/1992 Address: British Gas North Western, Dane Street, Rochdale, OL12 6XB	Details: Application for Hazardous Substances Consent (Deemed Consent). 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

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

2

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

Features are displayed on the Current industrial land use map on **page 60**



ID	Location	Details	
O	465m N	Operator: ALEXANDER DREW LTD Installation Name: - Process: COATING, PRINTING & TEXTILES; PRE-TREATING BY WASHING ETC >10T/DAY Permit Number: BU8665 Original Permit Number: BU8665	EPR Reference: - Issue Date: 30/09/2003 Effective Date: 30/09/2003 Last date noted as effective: 01/10/2004 Status: SUPERSEDED BY PAS
O	465m N	Operator: ALEXANDER DREW LIMITED Installation Name: ALEXANDER DREW Process: COATING, PRINTING AND TEXTILES; PRE-TREATING BY WASHING ETC >10T/DAY Permit Number: BU8665IT Original Permit Number: BU8665IT	EPR Reference: - Issue Date: 30/09/2003 Effective Date: 14/04/2010 Last date noted as effective: 01/01/2022 Status: REVOKED

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

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

Records within 500m

7

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

Features are displayed on the Current industrial land use map on **page 60**

ID	Location	Address	Details	
D	69m SE	Topmix, Albion Road, Rochdale, OL11 4HQ	Process: Use of Bulk Cement Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
D	94m SE	Breedon Southern Ltd, Albion Road, Rochdale, Lancashire, OL11 4HQ	Process: Use of Bulk Cement Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
A	122m N	Hth Autos-Motorama, Holmes St, OL12 6AG	Process: Respraying of Road Vehicles Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
D	125m SE	Tarmac Central Ltd, Albion Road, Rochdale	Process: Use of Bulk Cement Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified



ID	Location	Address	Details	
N	296m E	Asda Petrol Site, Dane Street, Rochdale, Lancashire, OL11 4EZ	Process: Unloading of Petrol into Storage at Service Stations Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
L	378m E	Johnsons Dry Cleaners UK Ltd, Within ASDA, Dane Street, Rochdale, Lancashire, OL11 4EZ	Process: Dry Cleaning Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
14	471m N	Dexine Rubber Company, Spotland Bridge Wks, Spotland Rd, Rochdale	Process: Rubber Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified

This data is sourced from Local Authority records.

4.12 Radioactive Substance Authorisations

Records within 500m

0

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

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

4.13 Licensed Discharges to controlled waters

Records within 500m

16

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 60**

ID	Location	Address	Details	
B	12m SE	ALBION RD W48, ROCHDALE, GREATER MANCHESTER	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01ROC0088 Permit Version: 1 Receiving Water: -	Status: REVOKED - UNSPECIFIED Issue date: - Effective Date: 13/05/1993 Revocation Date: 01/01/1995



ID	Location	Address	Details	
C	15m E	OAKENROD COMBINED SEWER OVERFLOW, DOWNSTREAM OF CORPORATION ROAD, OAKENROD, ROCHDALE, GREATER MANCHESTER, OL11 4EU	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 016982276 Permit Version: 1 Receiving Water: RIVER ROCH	Status: REVOKED - UNSPECIFIED Issue date: - Effective Date: 01/11/1991 Revocation Date: 14/02/1993
C	15m E	OAKENROD COMBINED SEWER OVERFLOW, DOWNSTREAM OF CORPORATION ROAD, OAKENROD, ROCHDALE, GREATER MANCHESTER, OL11 4EU	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 016982276 Permit Version: 2 Receiving Water: RIVER ROCH	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: - Effective Date: 15/02/1993 Revocation Date: 25/03/2010
C	15m E	OAKENROD COMBINED SEWER OVERFLOW, DOWNSTREAM OF CORPORATION ROAD, OAKENROD, ROCHDALE, GREATER MANCHESTER, OL11 4EU	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 016982276 Permit Version: 3 Receiving Water: RIVER ROCH	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 26/03/2010 Effective Date: 26/03/2010 Revocation Date: 29/04/2015
C	15m E	OAKENROD COMBINED SEWER OVERFLOW, DOWNSTREAM OF CORPORATION ROAD, OAKENROD, ROCHDALE, GREATER MANCHESTER, OL11 4EU	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 016982276 Permit Version: 4 Receiving Water: RIVER ROCH	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 30/04/2015 Effective Date: 30/04/2015 Revocation Date: 15/01/2020
C	16m E	OAKENROD COMBINED SEWER OVERFLOW, DOWNSTREAM OF CORPORATION ROAD, OAKENROD, ROCHDALE, GREATER MANCHESTER, OL11 4EU	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 016982276 Permit Version: 5 Receiving Water: RIVER ROCH	Status: VARIED UNDER EPR 2010 Issue date: 16/01/2020 Effective Date: 16/01/2020 Revocation Date: -
C	25m E	OAKENROD COMBINED SEWER OVERFLOW, DOWNSTREAM OF CORPORATION ROAD, OAKENROD, ROCHDALE, GREATER MANCHESTER, OL11 4EU	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01ROC0080 Permit Version: 1 Receiving Water: -	Status: REVOKED - UNSPECIFIED Issue date: - Effective Date: 15/02/1993 Revocation Date: 31/12/1994
C	25m E	OAKENROD COMBINED SEWER OVERFLOW, DOWNSTREAM OF CORPORATION ROAD, OAKENROD, ROCHDALE, GREATER MANCHESTER, OL11 4EU	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01ROC0080 Permit Version: 2 Receiving Water: -	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	
H	188m SE	ROCH SYPHON, FENWICK STREET, ROCHDALE, GREATER MANCHESTER	Effluent Type: TRADE DISCHARGES - BOILER BLOWDOWN EFFLUENT Permit Number: 016981384 Permit Version: 1 Receiving Water: RIVER ROCH	Status: REVOKED - UNSPECIFIED Issue date: - Effective Date: 13/07/1990 Revocation Date: 14/02/1993
H	188m SE	ROCH SYPHON, FENWICK STREET, ROCHDALE, GREATER MANCHESTER	Effluent Type: SEWAGE DISCHARGES - PUMPING STATION - WATER COMPANY Permit Number: 016981384 Permit Version: 2 Receiving Water: RIVER ROCH	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: - Effective Date: 15/02/1993 Revocation Date: -
H	214m SE	OXFORD MILL, BENTLEY STREET, ROCHDALE, GREATER MANCHESTER	Effluent Type: TRADE DISCHARGES - PROCESS EFFLUENT - NOT WATER COMPANY Permit Number: 0167/630 Permit Version: 1 Receiving Water: SHAWCLOUGH BROOK	Status: REVOKED - UNSPECIFIED Issue date: - Effective Date: 23/09/1993 Revocation Date: 23/09/1993
J	261m E	CHARLIE BROWNS AUTOCENTRE SWO, ENTWISTLE ROAD, MOLESWORTH STREET, ROCHDALE, GREATER MANCHESTER	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: 016991347 Permit Version: 1 Receiving Water: RIVER ROCH	Status: REVOKED - UNSPECIFIED Issue date: - Effective Date: 01/11/1994 Revocation Date: 01/11/1994
13	413m N	PRIMROSE STREET, ROCHDALE, GREATER MANCHESTER	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01ROC0160 Permit Version: 1 Receiving Water: -	Status: REVOKED - UNSPECIFIED Issue date: - Effective Date: 13/05/1993 Revocation Date: 01/01/1995
15	476m E	MANCHESTER RD CSO (351TT), ROCHDALE, GREATER MANCHESTER, OL16 1AQ	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01ROC0082 Permit Version: 4 Receiving Water: RIVER ROCH VIA SWS	Status: VARIED UNDER EPR 2010 Issue date: 26/10/2020 Effective Date: 26/10/2020 Revocation Date: -
P	477m NE	TOAD LANE - HIGH STREET CSO, OFF TOAD LANE & HIGH STREET JUNC, ROCHDALE, GREATER MANCHESTER, OL12 0NU	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 016950161 Permit Version: 1 Receiving Water: RIVER ROCH	Status: CONSENT REVOKED OR REVISED - NEW CONSENT ISSUED (37(1)) Issue date: 09/06/1976 Effective Date: 09/06/1976 Revocation Date: 10/07/2005



ID	Location	Address	Details	
P	477m NE	TOAD LANE - HIGH STREET CSO, OFF TOAD LANE & HIGH STREET JUNC, ROCHDALE, GREATER MANCHESTER, OL12 0NU	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 016950161 Permit Version: 2 Receiving Water: RIVER ROCH	Status: MODIFIED - (WRA 91 SCHD 10 - AS AMENDED BY ENV ACT 1995) Issue date: 11/07/2005 Effective Date: 11/07/2005 Revocation Date: 27/10/2020

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
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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	5
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Discharges of Special Category Effluents to the public sewer.

Features are displayed on the Current industrial land use map on **page 60**

ID	Location	Address	Details	
M	284m SE	UNITED SPRINGS LTD, MANDALE PARK,NORMAN ROAD, NORMAN ROAD, ROCHDALE, LANCASHIRE, OL11 4HP	Permission reference: BB6505 Local Authority: ROCHDALE METROPOLITAN BOROUGH COUNCIL First received date: 01/06/2001	Last received date: 01/01/2018 Status: RECEIVED
M	284m SE	ROBERT RILEY LTD, MANDALE PARK, NORMAN ROAD, ROCHDALE, LANCASHIRE, OL11 4HP	Permission reference: AT4538 Local Authority: ROCHDALE METROPOLITAN BOROUGH COUNCIL First received date: 01/07/2010	Last received date: 01/01/2018 Status: RECEIVED
O	465m N	AD (REALISATIONS) LTD (DISSOLVED), STOTT'S MILL,BRIDGEFORD ROAD, BRIDGEFORD ROAD, ROCHDALE, ROCHDALE, OL11 5BZ	Permission reference: BC3579 Local Authority: ROCHDALE METROPOLITAN BOROUGH COUNCIL First received date: 01/06/2001	Last received date: 01/01/2018 Status: RECEIVED
O	465m N	AD (REALISATIONS) LTD (DISSOLVED), STOTTS MILL, BRIDGEFORD ROAD, STOTTS MILL, ROCHDALE, OL11 5BZ	Permission reference: AW4810 Local Authority: ROCHDALE METROPOLITAN BOROUGH COUNCIL First received date: 01/07/2010	Last received date: 01/01/2018 Status: RECEIVED

ID	Location	Address	Details	
O	465m N	AD (REALISATIONS) LTD (DISSOLVED), STOTT'S MILL, BRIDGEFORD ROAD, BRIDGEFORD ROAD, ROCHDALE, ROCHDALE, OL11 5BZ	Permission reference: BC3587 Local Authority: ROCHDALE METROPOLITAN BOROUGH COUNCIL First received date: 01/07/2010	Last received date: 01/01/2018 Status: RECEIVED

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

4.16 List 1 Dangerous Substances

Records within 500m	0
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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
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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	17
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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 60**

ID	Location	Details	
2	On site	Incident Date: 26/03/2002 Incident Identification: 66759 Pollutant: Inert Materials and Wastes Pollutant Description: Construction and Demolition Materials and Wastes	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
A	4m E	Incident Date: 17/09/2002 Incident Identification: 110397 Pollutant: Oils and Fuel Pollutant Description: Mixed/Waste Oils	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)

ID	Location	Details	
A	9m E	Incident Date: 14/05/2003 Incident Identification: 158262 Pollutant: Oils and Fuel Pollutant Description: Unidentified Oil	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
A	51m SE	Incident Date: 10/05/2002 Incident Identification: 77835 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Dust	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
A	54m NE	Incident Date: 26/02/2003 Incident Identification: 139529 Pollutant: Oils and Fuel Pollutant Description: Diesel	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
D	117m SE	Incident Date: 27/07/2001 Incident Identification: 20284 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	195m SE	Incident Date: 07/01/2002 Incident Identification: 51014 Pollutant: Specific Waste Materials Pollutant Description: Tyres	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
D	195m SE	Incident Date: 07/01/2002 Incident Identification: 51014 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Smoke	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
D	195m SE	Incident Date: 07/01/2002 Incident Identification: 51014 Pollutant: Atmospheric Pollutants and Effects:Specific Waste Materials Pollutant Description: Smoke:Tyres	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
D	203m S	Incident Date: 28/07/2003 Incident Identification: 177133 Pollutant: Specific Waste Materials Pollutant Description: Tyres	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
D	208m S	Incident Date: 06/10/2003 Incident Identification: 164561 Pollutant: Specific Waste Materials Pollutant Description: Smoke Tyres	Water Impact: Category 4 (No Impact) Land Impact: Category 2 (Significant) Air Impact: Category 3 (Minor)
D	208m S	Incident Date: 10/06/2003 Incident Identification: 164561 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Smoke	Water Impact: Category 4 (No Impact) Land Impact: Category 2 (Significant) Air Impact: Category 3 (Minor)



ID	Location	Details	
D	208m S	Incident Date: 10/06/2003 Incident Identification: 164561 Pollutant: Specific Waste Materials Pollutant Description: Tyres	Water Impact: Category 4 (No Impact) Land Impact: Category 2 (Significant) Air Impact: Category 3 (Minor)
D	208m S	Incident Date: 06/10/2003 Incident Identification: 164561 Pollutant: Atmospheric Pollutants and Effects : Specific Waste Materials Pollutant Description: Smoke :Tyres	Water Impact: Category 4 (No Impact) Land Impact: Category 2 (Significant) Air Impact: Category 3 (Minor)
D	208m S	Incident Date: 10/06/2003 Incident Identification: 164561 Pollutant: Atmospheric Pollutants and Effects:Specific Waste Materials Pollutant Description: Smoke:Tyres	Water Impact: Category 4 (No Impact) Land Impact: Category 2 (Significant) Air Impact: Category 3 (Minor)
11	375m N	Incident Date: 15/11/2001 Incident Identification: 42930 Pollutant: Sewage Materials Pollutant Description: Process Effluent	Water Impact: Category 2 (Significant) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
12	408m NW	Incident Date: 23/05/2001 Incident Identification: 6501 Pollutant: Pollutant Not Identified Pollutant Description: Not Identified	Water Impact: Category 2 (Significant) Land Impact: Category 4 (No Impact) 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

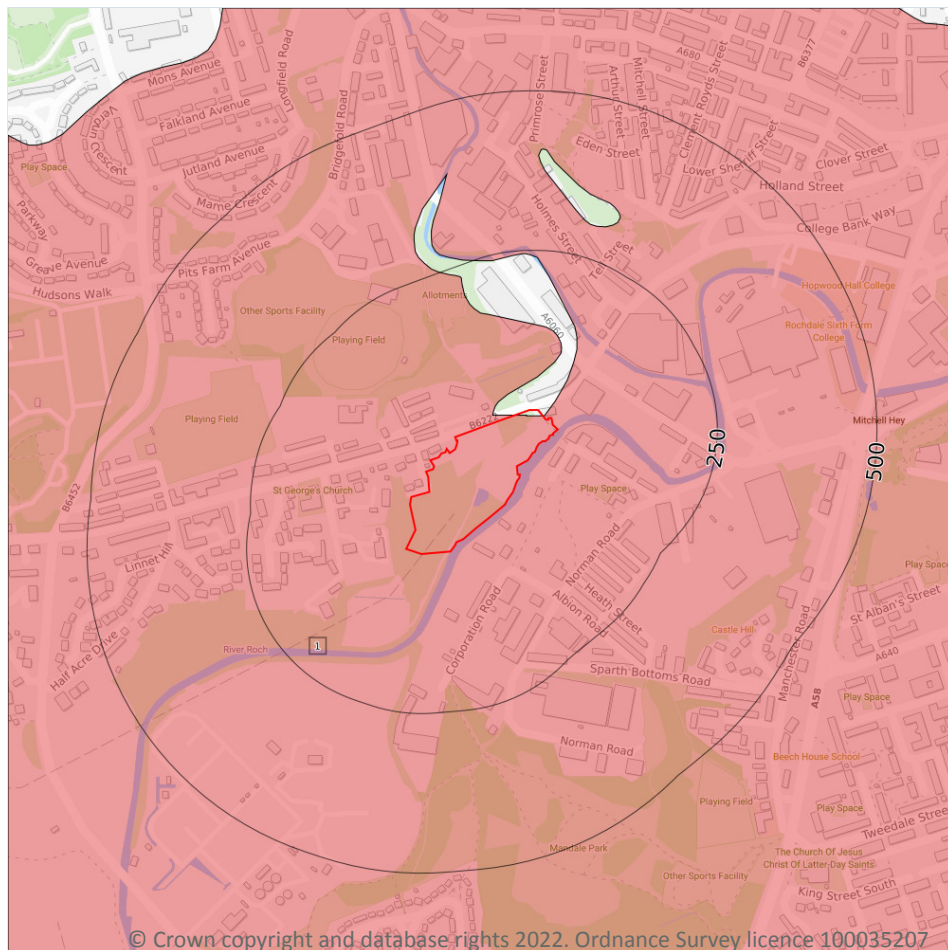
0

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.

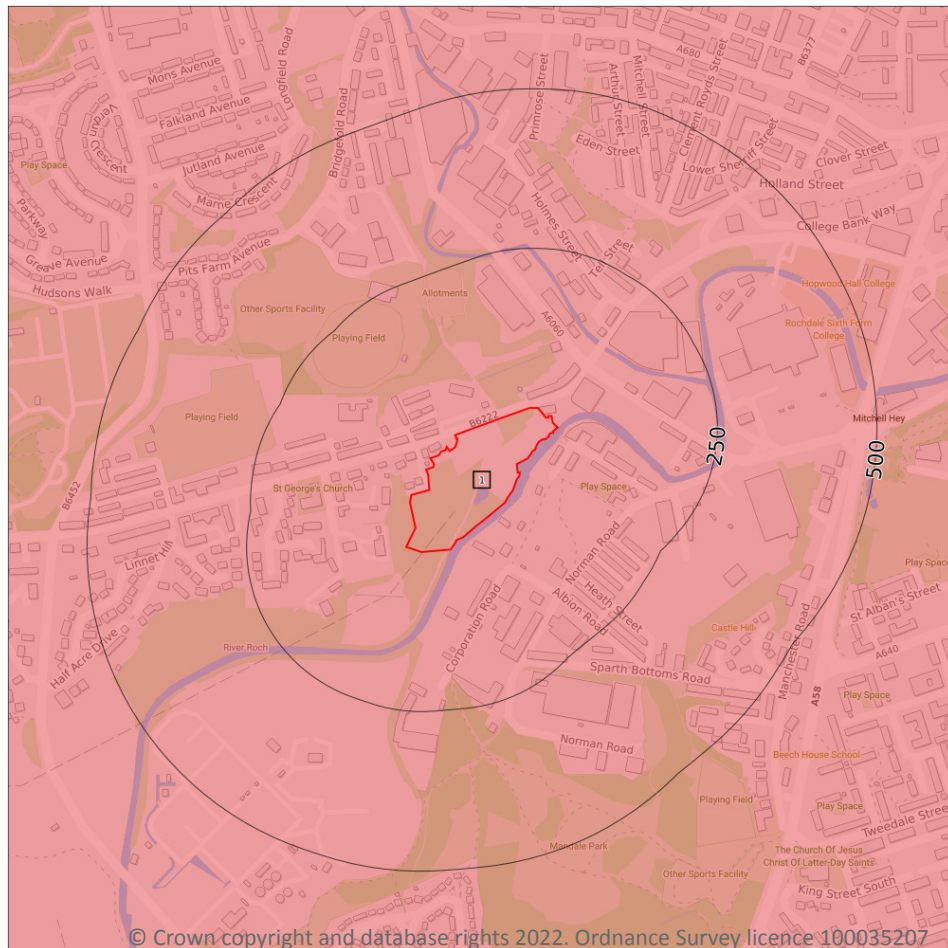
Features are displayed on the Hydrogeology map on **page 76**

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.



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.

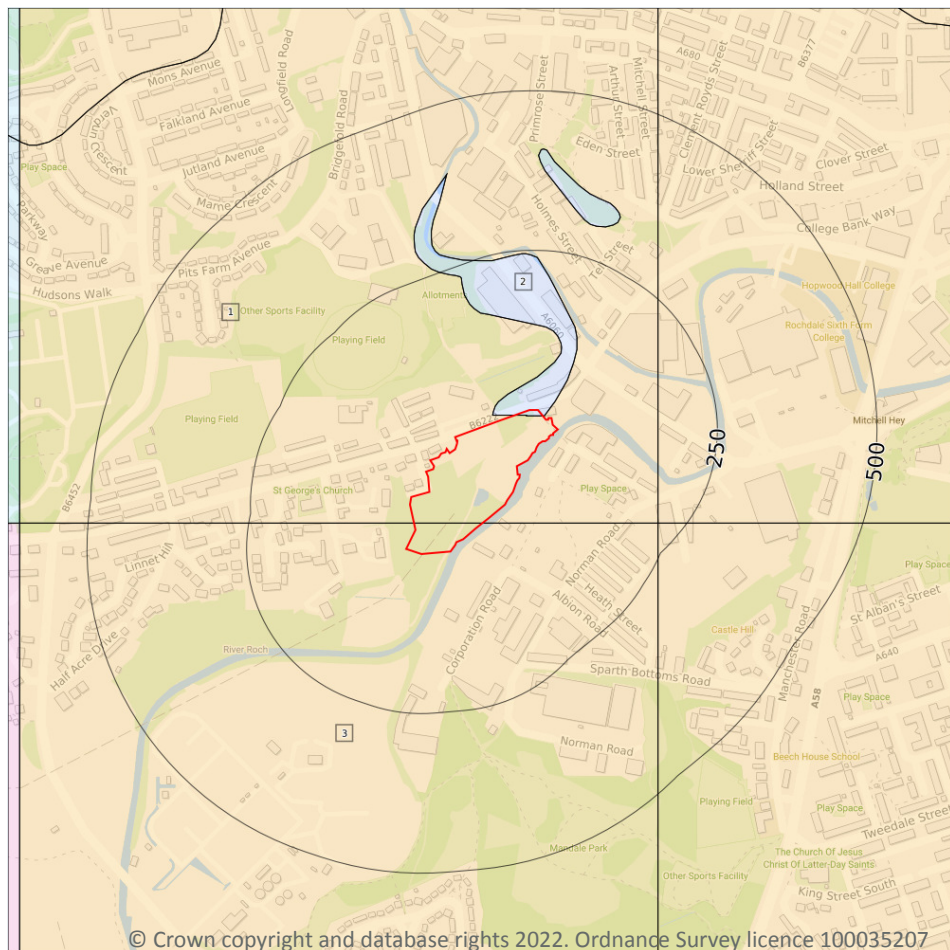
Features are displayed on the Bedrock aquifer map on **page 77**

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



— Site Outline

Search buffers in metres (m)

Superficial vulnerability

- Principal superficial aquifer, high vulnerability
- Secondary superficial aquifer, high vulnerability
- Principal superficial aquifer, medium vulnerability
- Secondary superficial aquifer, medium vulnerability
- Principal superficial aquifer, low vulnerability
- Secondary superficial aquifer, low vulnerability

Bedrock vulnerability

- Principal bedrock aquifer, high vulnerability
- Secondary bedrock aquifer, high vulnerability
- Principal bedrock aquifer, medium vulnerability
- Secondary bedrock aquifer, medium vulnerability
- Principal bedrock aquifer, low vulnerability
- Secondary bedrock aquifer, low vulnerability

Other information

- Unproductive aquifer
- Soluble rock risk
- Local information

5.3 Groundwater vulnerability

Records within 50m

3

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

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

Features are displayed on the Groundwater vulnerability map on **page 78**



ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	On site	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: >550mm/year	Vulnerability: High Aquifer type: Secondary Thickness: >10m Patchiness value: >90% Recharge potential: High	Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures
2	On site	Summary Classification: Secondary bedrock aquifer - Low Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: >550mm/year	Vulnerability: - Aquifer type: - Thickness: >10m Patchiness value: >90% Recharge potential: High	Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures
3	On site	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: >550mm/year	Vulnerability: High Aquifer type: Secondary Thickness: >10m Patchiness value: >90% Recharge potential: High	Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures

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

5.4 Groundwater vulnerability- soluble rock risk

Records on site

0

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

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

5.5 Groundwater vulnerability- local information

Records on site

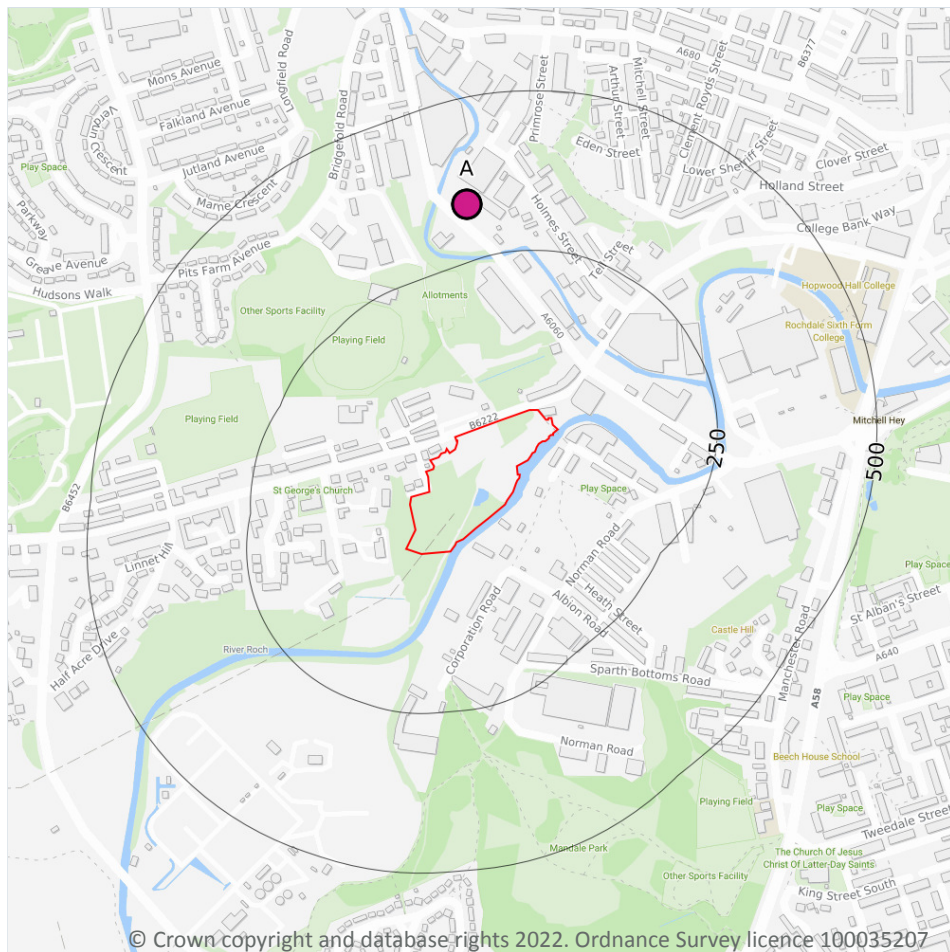
0

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

5

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 80**

ID	Location	Details	
A	337m N	Status: Historical Licence No: 2569002050 Details: Process water Direct Source: Ground Water - North West Region Point: "BOREHOLE AT PREMISES, SPOTLAND, ROCHDALE" Data Type: Point Name: ALEXANDER DREW & SONS LTD Easting: 388700 Northing: 413500	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 10/02/1966 Expiry Date: - Issue No: 101 Version Start Date: 02/05/2000 Version End Date: -
A	337m N	Status: Historical Licence No: 2569002050 Details: Process water Direct Source: Ground Water - North West Region Point: BOREHOLE AT PREMISES, SPOTLAND, ROCHDALE Data Type: Point Name: ALEXANDER DREW LTD. Easting: 388700 Northing: 413500	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 10/02/1966 Expiry Date: - Issue No: 102 Version Start Date: 01/04/2003 Version End Date: -
A	337m N	Status: Historical Licence No: 2569002050 Details: Process water Direct Source: Ground Water - North West Region Point: BOREHOLE AT PREMISES SPOTLAND ROCHDALE Data Type: Point Name: ALEXANDER DREW LTD Easting: 388700 Northing: 413500	Annual Volume (m ³): 500000 Max Daily Volume (m ³): 2100 Original Application No: - Original Start Date: 10/02/1966 Expiry Date: - Issue No: 102 Version Start Date: 01/04/2003 Version End Date: -
-	1897m W	Status: Historical Licence No: 2569002140 Details: Spray Irrigation - Direct Direct Source: Ground Water - North West Region Point: "BOREHOLE AT ROCHDALE GOLF COURSE AT NORDEN, ROCHDALE" Data Type: Point Name: ROCHDALE GOLF CLUB LTD Easting: 386800 Northing: 413600	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 01/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 18/11/1997 Version End Date: -



ID	Location	Details	
-	1897m W	Status: Active Licence No: 2569002140 Details: Spray Irrigation - Direct Direct Source: Ground Water - North West Region Point: BOREHOLE AT ROCHDALE GOLF COURSE AT NORDEN, ROCHDALE Data Type: Point Name: ROCHDALE GOLF CLUB LTD Easting: 386800 Northing: 413600	Annual Volume (m ³): 7,272 Max Daily Volume (m ³): 120 Original Application No: 0962 Original Start Date: 01/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 18/11/1997 Version End Date: -

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

5.7 Surface water abstractions

Records within 2000m	14
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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 80**

ID	Location	Details	
-	1087m E	Status: Active Licence No: NW/069/0002/003 Details: Transfer Between Sources (Post Water Act 2003) Direct Source: Surface, Non-Tidal - North West Region Point: RIVER ROCH AT ROCHDALE WEIR Data Type: Point Name: Transport for Greater Manchester Easting: 389916 Northing: 413325	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: NPS/WR/007633 Original Start Date: 15/06/2010 Expiry Date: 31/03/2026 Issue No: 2 Version Start Date: 23/06/2011 Version End Date: -
-	1088m E	Status: Active Licence No: NW/069/0002/001 Details: Hydroelectric Power Generation Direct Source: Surface, Non-Tidal - North West Region Point: RIVER ROCH AT ROCHDALE WEIR Data Type: Point Name: Transport for Greater Manchester Easting: 389917 Northing: 413325	Annual Volume (m ³): 36,100,000 Max Daily Volume (m ³): 164,160 Original Application No: NPS/WR/007499 Original Start Date: 15/06/2010 Expiry Date: 31/03/2026 Issue No: 2 Version Start Date: 01/04/2015 Version End Date: -



ID	Location	Details	
-	1447m N	Status: Historical Licence No: 2569002018 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Surface, Non-Tidal - North West Region Point: LODGE FED BY R SPODDEN AT ROCHDALE Data Type: Point Name: FLEXITALLIC LTD Easting: 388200 Northing: 414500	Annual Volume (m ³): 1500211.393 Max Daily Volume (m ³): 4546.095 Original Application No: - Original Start Date: 14/02/1966 Expiry Date: - Issue No: 101 Version Start Date: 11/04/1997 Version End Date: -
-	1447m N	Status: Historical Licence No: 2569002018 Details: Boiler Feed Direct Source: Surface, Non-Tidal - North West Region Point: LODGE FED BY R SPODDEN AT ROCHDALE Data Type: Point Name: FLEXITALLIC LTD Easting: 388200 Northing: 414500	Annual Volume (m ³): 1500211.393 Max Daily Volume (m ³): 4546.095 Original Application No: - Original Start Date: 14/02/1966 Expiry Date: - Issue No: 101 Version Start Date: 11/04/1997 Version End Date: -
-	1447m N	Status: Historical Licence No: 2569002018 Details: Process Water Direct Source: Surface, Non-Tidal - North West Region Point: LODGE FED BY R SPODDEN AT ROCHDALE Data Type: Point Name: FLEXITALLIC LTD Easting: 388200 Northing: 414500	Annual Volume (m ³): 1500211.393 Max Daily Volume (m ³): 4546.095 Original Application No: - Original Start Date: 14/02/1966 Expiry Date: - Issue No: 101 Version Start Date: 11/04/1997 Version End Date: -
-	1685m SE	Status: Historical Licence No: 2569002076 Details: Boiler Feed Direct Source: Surface, Non-Tidal - North West Region Point: ROCHDALE CANAL AT ROCHDALE, LANCS Data Type: Point Name: J & J MAKIN CONVERTORS LTD Easting: 390300 Northing: 412300	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 18/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/04/1993 Version End Date: -
-	1690m SE	Status: Historical Licence No: 2569002107 Details: Boiler Feed Direct Source: "Surface, Non-Tidal - North West Region" Point: "ROCHDALE CANAL AT QUEENSWAY,ROCHDALE" Data Type: Point Name: SEALOCRETE PLA LTD Easting: 390070 Northing: 411960	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 02/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 20/12/1993 Version End Date: -

ID	Location	Details	
-	1690m SE	Status: Historical Licence No: 2569002107 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: "Surface, Non-Tidal - North West Region" Point: "ROCHDALE CANAL AT QUEENSWAY,ROCHDALE" Data Type: Point Name: SEALOCRETE PLA LTD Easting: 390070 Northing: 411960	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 02/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 20/12/1993 Version End Date: -
-	1690m SE	Status: Historical Licence No: 2569002107 Details: Boiler Feed Direct Source: Surface, Non-Tidal - North West Region Point: ROCHDALE CANAL AT QUEENSWAY,ROCHDALE Data Type: Point Name: SEALOCRETE PLA LTD Easting: 390070 Northing: 411960	Annual Volume (m ³): 10455.8 Max Daily Volume (m ³): 45.46 Original Application No: - Original Start Date: 02/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/04/2008 Version End Date: -
-	1690m SE	Status: Historical Licence No: 2569002107 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Surface, Non-Tidal - North West Region Point: ROCHDALE CANAL AT QUEENSWAY,ROCHDALE Data Type: Point Name: SEALOCRETE PLA LTD Easting: 390070 Northing: 411960	Annual Volume (m ³): 10455.8 Max Daily Volume (m ³): 45.46 Original Application No: - Original Start Date: 02/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/04/2008 Version End Date: -
-	1849m NE	Status: Historical Licence No: 2569002268 Details: Non-Evaporative Cooling Direct Source: "Surface, Non-Tidal - North West Region" Point: "FOXHOLES BROOK AT FIELDHOUSE INDUSTRIAL ESTATE, ROCHDALE" Data Type: Point Name: RIVERSIDE TRADING LTD Easting: 389700 Northing: 414800	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: - Expiry Date: - Issue No: 100 Version Start Date: 10/11/1998 Version End Date: -

ID	Location	Details	
-	1849m NE	Status: Historical Licence No: 2569002268 Details: Non-Evaporative Cooling Direct Source: Surface, Non-Tidal - North West Region Point: FOXHOLES BROOK AT FIELDHOUSE INDUSTRIAL ESTATE, ROCHDALE Data Type: Point Name: RIVERSIDE TRADING LTD Easting: 389700 Northing: 414800	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: - Expiry Date: - Issue No: 100 Version Start Date: 10/11/1998 Version End Date: -
-	1892m SE	Status: Historical Licence No: 2569002178 Details: Boiler Feed Direct Source: "Surface, Non-Tidal - North West Region" Point: "CATCHPIT FED BY SURFACE DRAINAGE AT PREMISES, ROCHDALE" Data Type: Point Name: DUNPHY COMBUSTION LTD. Easting: 390200 Northing: 411800	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 18/02/1966 Expiry Date: - Issue No: 101 Version Start Date: 12/02/1991 Version End Date: -
-	1892m SE	Status: Active Licence No: 2569002178 Details: Boiler Feed Direct Source: Surface, Non-Tidal - North West Region Point: CATCHPIT FED BY SURFACE DRAINAGE AT PREMISES, ROCHDALE Data Type: Point Name: DUNPHY COMBUSTION LTD Easting: 390200 Northing: 411800	Annual Volume (m ³): 2,318.46 Max Daily Volume (m ³): 34.09 Original Application No: CW 1093 Original Start Date: 18/02/1966 Expiry Date: - Issue No: 101 Version Start Date: 12/02/1991 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)

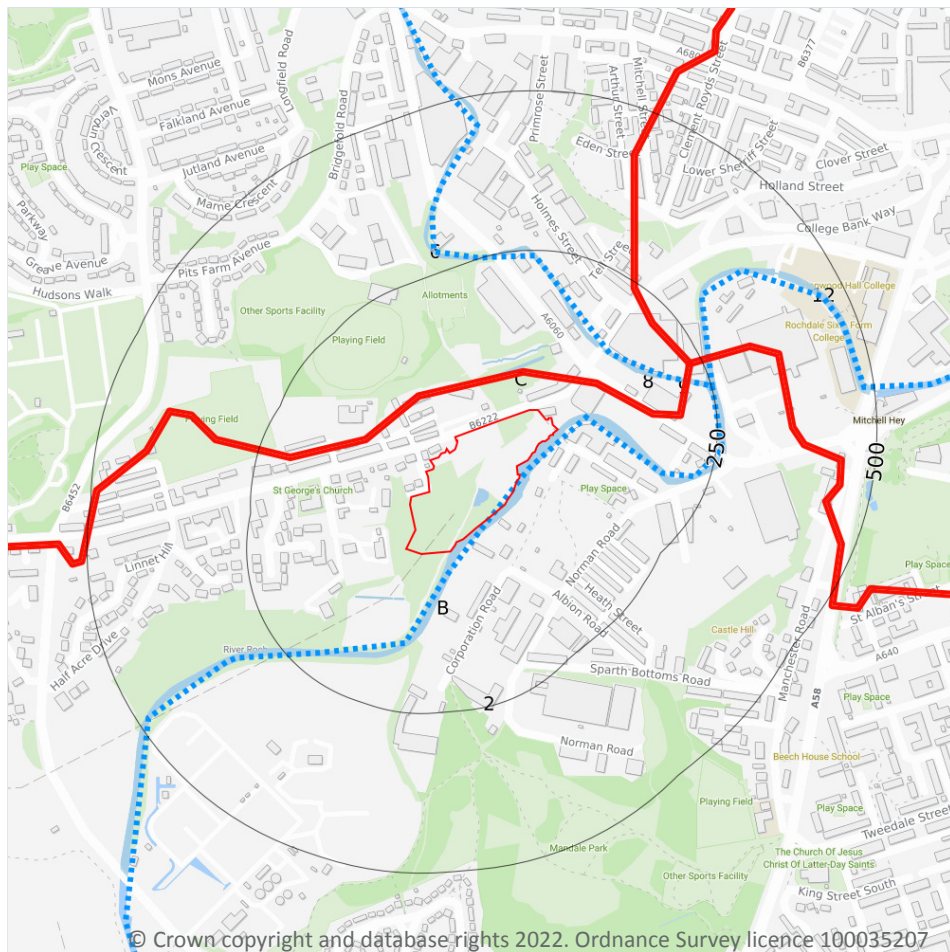
Records within 500m**0**

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



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6.1 Water Network (OS MasterMap)

Records within 250m

9

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 87**

ID	Location	Type of water feature	Ground level	Permanence	Name
B	5m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Roch



ID	Location	Type of water feature	Ground level	Permanence	Name
C	67m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
B	75m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
B	80m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	83m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
6	135m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Spodden
8	154m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
9	157m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Spodden
12	250m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Roch

This data is sourced from the Ordnance Survey.

6.2 Surface water features

Records within 250m

6

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 87**

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 87**

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
2	On site	River	Roch (Spodden to Irwell)	GB112069064600	Roch Irk Medlock	Irwell

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

6.4 WFD Surface water bodies

Records identified

1

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

Features are displayed on the Hydrology map on **page 87**

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
1	On site	River	Roch (Spodden to Irwell)	GB112069064600	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 87**

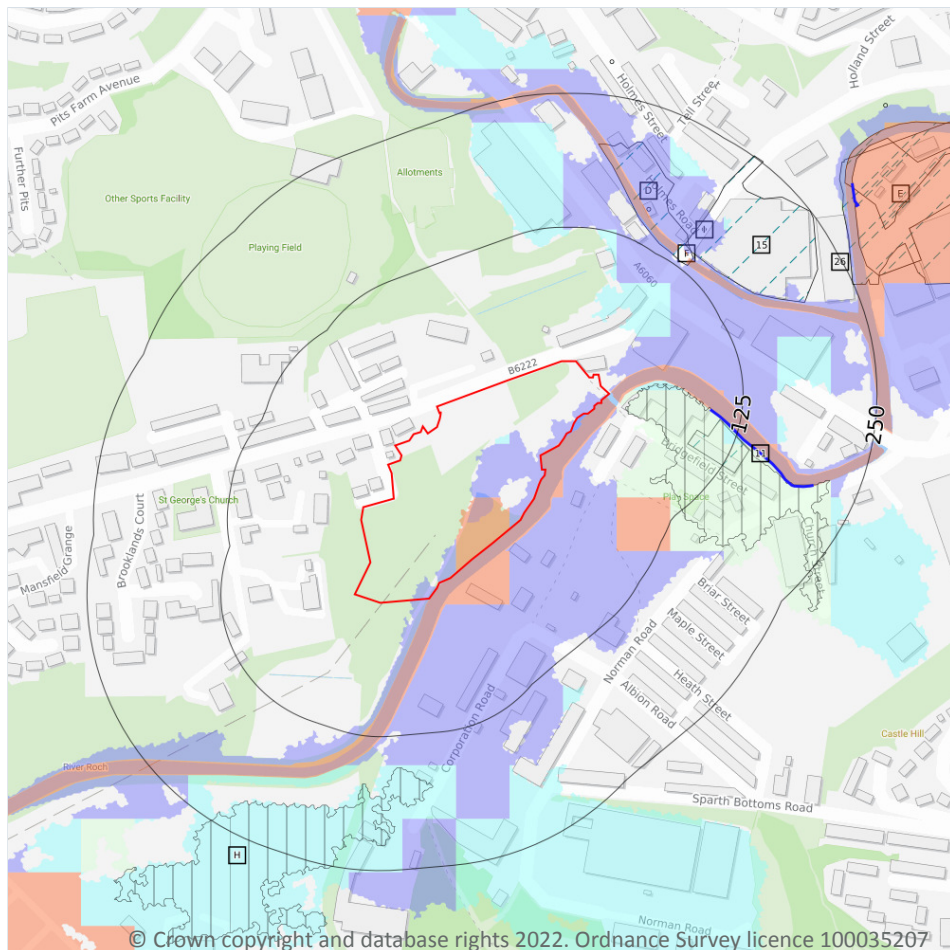


ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
A	On site	Northern Manchester Carboniferous Aquifers	<u>GB41202G101800</u>	Poor	Poor	Good	2019

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



7 River and coastal flooding



- Site Outline
- Search buffers in metres (m)
- River and coastal flooding:
- High
- Medium
- Low
- Very Low
- Historical Flood Events
- Areas Used for Flood Storage
- Areas Benefiting from Flood Defences
- Flood Defences

7.1 Risk of flooding from rivers and the sea

Records within 50m

13

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).

Features are displayed on the River and coastal flooding map on **page 91**



Distance	Flood risk category
On site	High
0 - 50m	High

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

7.2 Historical Flood Events

Records within 250m	8
----------------------------	----------

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.

Features are displayed on the River and coastal flooding map on **page 91**

ID	Location	Event name	Date of flood	Flood source	Flood cause	Type of flood
B	87m SE	Roch	1995-01-28 1995-01-29	Unknown	Other	No data
D	130m NE	Mellor Street	2015-12-26 2015-12-26	Unknown	Unknown	No data
F	138m NE	Spod	1995-01-28 1995-01-29	Unknown	Other	No data
15	144m NE	College Road	2019-03-16 2019-03-16	Drainage	Local drainage/surface water	Fluvial
D	156m NE	Ea01327_21 January 2008_River Spodden_Rochdale	2008-01-21 2008-01-22	Main river	Unknown	Fluvial
I	166m NE	Roch	1995-01-28 1995-01-29	Unknown	Unknown	No data
26	247m NE	Roch	1991-12-21 1991-12-22	Unknown	Channel capacity exceeded (no raised defences)	No data
E	249m NE	Rochdale Asda/college	2015-12-26 2015-12-26	Unknown	Unknown	No data

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



7.3 Flood Defences

Records within 250m

1

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.

Features are displayed on the River and coastal flooding map on **page 91**

ID	Location	Update
11	96m E	17/03/2022

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

7.4 Areas Benefiting from Flood Defences

Records within 250m

2

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.

Features are displayed on the River and coastal flooding map on **page 91**

ID	Location	
C	20m SE	Area benefiting from flood defences
H	155m S	Area benefiting from flood defences

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

7.5 Flood Storage Areas

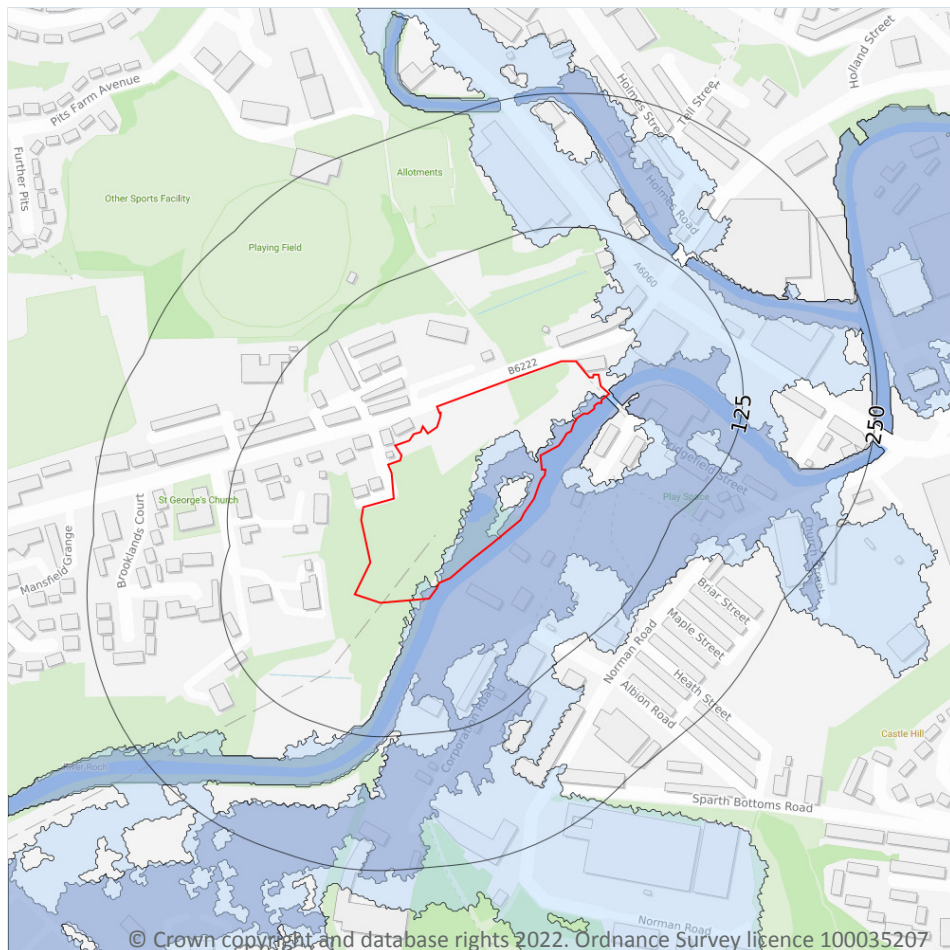
Records within 250m

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



- Site Outline
- Search buffers in metres (m)
- Flood zone 2
- Flood zone 3

7.6 Flood Zone 2

Records within 50m

1

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.

Features are displayed on the River and coastal flooding map on **page 91**

Location	Type
On site	Zone 2 - (Fluvial /Tidal Models)

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

7.7 Flood Zone 3

Records within 50m

1

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.

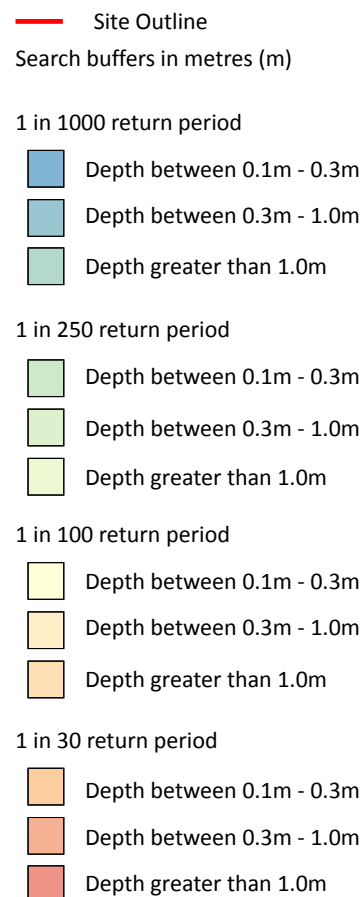
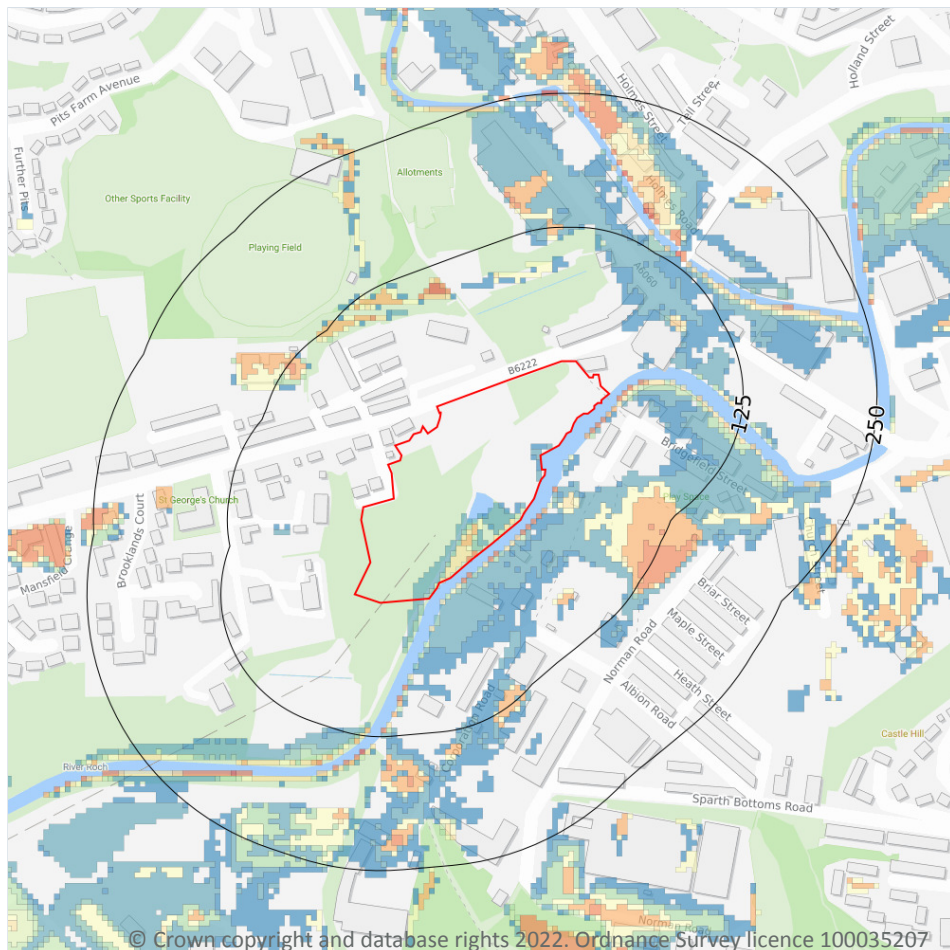
Features are displayed on the River and coastal flooding map on **page 91**

Location	Type
On site	Zone 3 - (Fluvial Models)

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



8 Surface water flooding



8.1 Surface water flooding

Highest risk on site

1 in 30 year, 0.3m - 1.0m

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 96**

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.

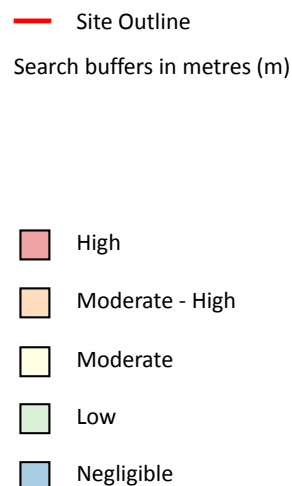
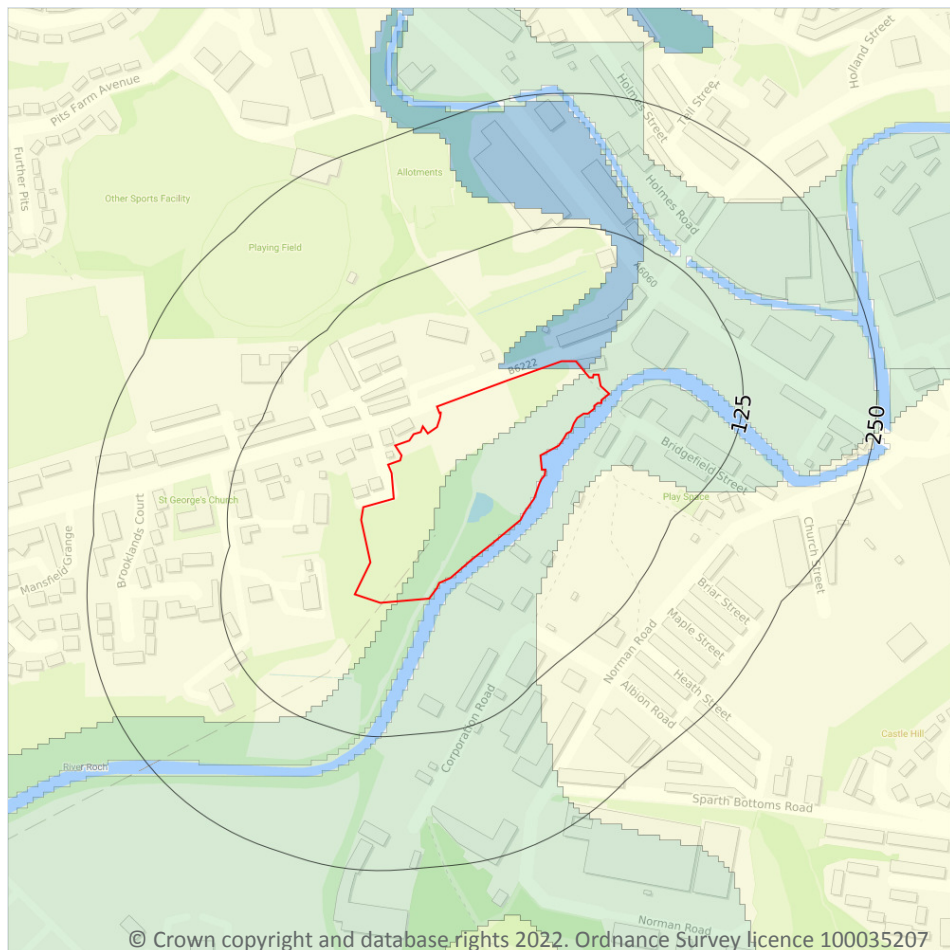
The table below shows the maximum flood depths for a range of return periods for the site.

Return period	Maximum modelled depth
1 in 1000 year	Greater than 1.0m
1 in 250 year	Greater than 1.0m
1 in 100 year	Greater than 1.0m
1 in 30 year	Between 0.3m and 1.0m

This data is sourced from Ambiantal Risk Analytics.



9 Groundwater flooding



9.1 Groundwater flooding

Highest risk on site

Moderate

Highest risk within 50m

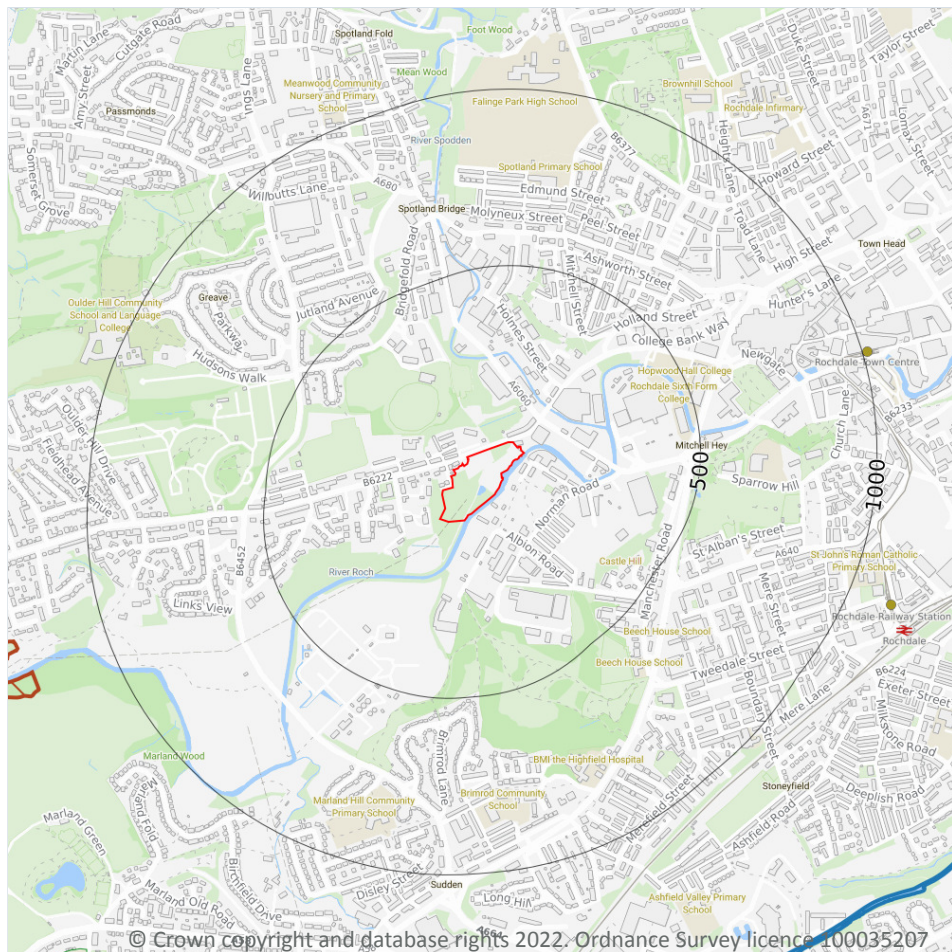
Moderate

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 98**

This data is sourced from Ambiantal Risk Analytics.

10 Environmental designations



- Site Outline
- Search buffers in metres (m)
- ▢ Sites of Special Scientific Interest (SSSI)
- + Special Areas of Conservation (SAC)
- + Local Nature Reserves (LNR)
- ▢ Designated Ancient Woodland
- ▢ Green Belt

10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m

4

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.

Features are displayed on the Environmental designations map on **page 99**

ID	Location	Name	Data source
A	1512m SE	Rochdale Canal	Natural England



ID	Location	Name	Data source
-	1513m SE	Rochdale Canal	Natural England
C	1543m SE	Rochdale Canal	Natural England
-	1661m S	Rochdale Canal	Natural England

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

4

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.

Features are displayed on the Environmental designations map on **page 99**

ID	Location	Name	Features of interest	Habitat description	Data source
A	1512m SE	Rochdale Canal	Floating water-plantain.	Other land (including Towns, Villages, Roads, Waste places, Mines, Industrial sites); Inland water bodies (Standing water, Running water)	Natural England
-	1513m SE	Rochdale Canal	Floating water-plantain.	Other land (including Towns, Villages, Roads, Waste places, Mines, Industrial sites); Inland water bodies (Standing water, Running water)	Natural England
C	1543m SE	Rochdale Canal	Floating water-plantain.	Other land (including Towns, Villages, Roads, Waste places, Mines, Industrial sites); Inland water bodies (Standing water, Running water)	Natural England



ID	Location	Name	Features of interest	Habitat description	Data source
-	1661m S	Rochdale Canal	Floating water-plantain.	Other land (including Towns, Villages, Roads, Waste places, Mines, Industrial sites); Inland water bodies (Standing water, Running water)	Natural England

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 99**

ID	Location	Name	Data source
-	1798m N	Healey Dell	Natural England

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

10.7 Designated Ancient Woodland

Records within 2000m

3

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.

Features are displayed on the Environmental designations map on **page 99**

ID	Location	Name	Woodland Type
1	1234m W	Springfield Wood	Ancient & Semi-Natural Woodland
2	1252m W	River Rock Wood (2)	Ancient & Semi-Natural Woodland
-	1790m W	Unknown	Ancient & Semi-Natural Woodland

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 99**

ID	Location	Name	Local Authority name
3	1515m N	Merseyside and Greater Manchester	Rochdale

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.

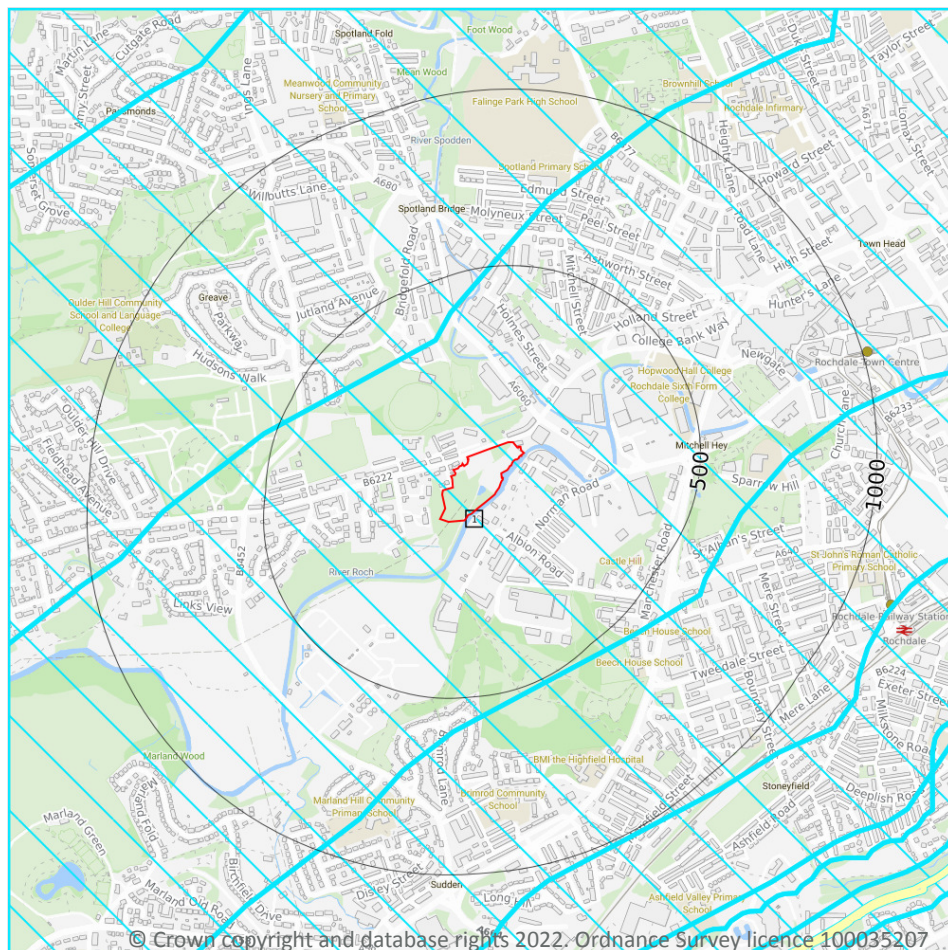
10.16 Nitrate Vulnerable Zones

Records within 2000m**0**

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.

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 105**

ID	Location	Type of developments requiring consultation
1	On site	Infrastructure - Pipelines, pylons and overhead cables. any transport proposal including road, rail and by water (excluding routine maintenance). airports, helipads and other aviation proposals. Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, review of minerals permissions (romp), extensions, variations to conditions etc. oil & gas exploration/extraction. Air pollution - Any industrial/agricultural development that could cause air pollution (incl: industrial processes, livestock & poultry units with floorspace > 500m², slurry lagoons & digestate stores > 200m², manure stores > 250t). Combustion - General combustion processes >20mw energy input. incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion. Waste - Landfill. incl: inert landfill, non-hazardous landfill, hazardous landfill. Composting - Any composting proposal with more than 75000 tonnes maximum annual operational throughput. incl: open windrow composting, in-vessel composting, anaerobic digestion, other waste management. Water supply - Large infrastructure such as warehousing / industry where total net additional gross internal floorspace following development is 1,000m² or more.

This data is sourced from Natural England.

10.18 SSSI Units

Records within 2000m	4
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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.

Features are displayed on the SSSI Impact Zones and Units map on **page 105**

ID: 9
 Location: 1512m SE
 SSSI name: Rochdale Canal
 Unit name: Failsworth
 Broad habitat: Standing Open Water And Canals
 Condition: Unfavourable - Recovering
 Reportable features:

Feature name	Feature condition	Date of assessment
Population of Schedule 8 plant - Luronium natans, Floating Water-plantain	Unfavourable - Recovering	25/11/2010

ID: -
Location: 1513m SE
SSSI name: Rochdale Canal
Unit name: Failsworth
Broad habitat: Standing Open Water And Canals
Condition: Unfavourable - Recovering
Reportable features:

Feature name	Feature condition	Date of assessment
Population of Schedule 8 plant - Luronium natans, Floating Water-plantain	Unfavourable - Recovering	25/11/2010

ID: 11
Location: 1543m SE
SSSI name: Rochdale Canal
Unit name: Failsworth
Broad habitat: Standing Open Water And Canals
Condition: Unfavourable - Recovering
Reportable features:

Feature name	Feature condition	Date of assessment
Population of Schedule 8 plant - Luronium natans, Floating Water-plantain	Unfavourable - Recovering	25/11/2010

ID: -
Location: 1661m S
SSSI name: Rochdale Canal
Unit name: Failsworth
Broad habitat: Standing Open Water And Canals
Condition: Unfavourable - Recovering
Reportable features:

Feature name	Feature condition	Date of assessment
Population of Schedule 8 plant - Luronium natans, Floating Water-plantain	Unfavourable - Recovering	25/11/2010

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



11 Visual and cultural designations



- Site Outline
- Search buffers in metres (m)
- Listed buildings
- Conservation areas
- Conservation areas - no data
- National Parks
- Areas of Outstanding Natural Beauty
- Registered parks and gardens
- Scheduled Monuments
- World Heritage Sites

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

1

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.

Features are displayed on the Visual and cultural designations map on **page 108**

ID	Location	Name	Grade	Reference Number	Listed date
1	41m W	Oakenrod Hall, Bamford, Rochdale, OL11	II	1084244	25/10/1951

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



11.5 Conservation Areas

Records within 250m

1

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.

Features are displayed on the Visual and cultural designations map on **page 108**

ID	Location	Name	District	Date of designation
2	236m N	Spotland Bridge	Rochdale	26/07/2007

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

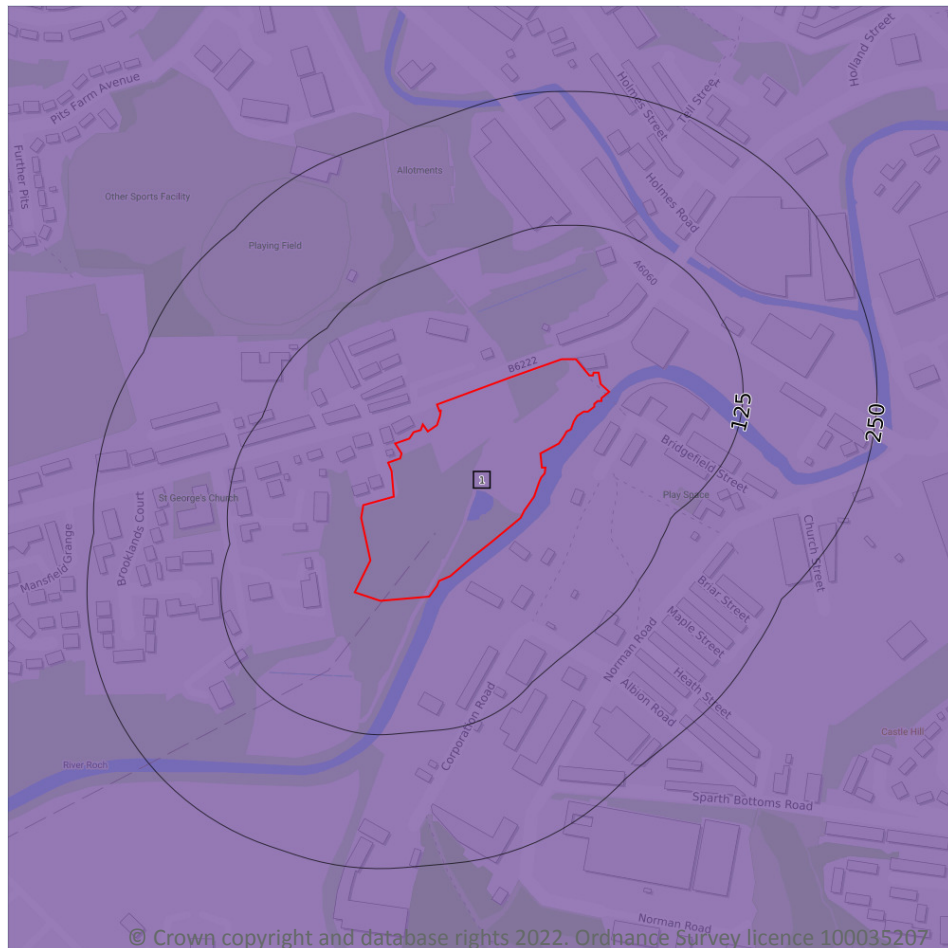
0

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 111**

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

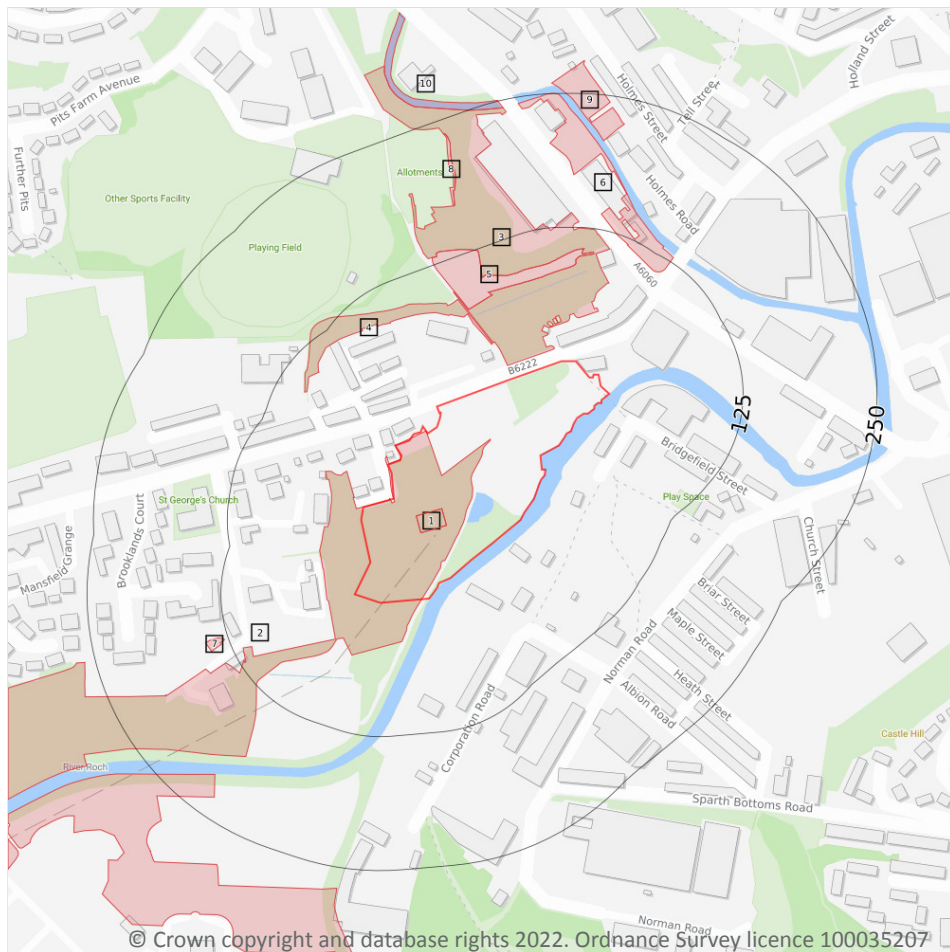
Records within 250m**0**

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

10

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

Features are displayed on the Habitat designations map on **page 113**

ID	Location	Main Habitat	Other habitats
1	On site	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
2	On site	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
3	13m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
4	37m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)



ID	Location	Main Habitat	Other habitats
5	75m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
6	110m NE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
7	129m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
8	170m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
9	207m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
10	243m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)

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

0

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.

This data is sourced from Natural England.

13.4 Limestone Pavement Orders

Records within 250m

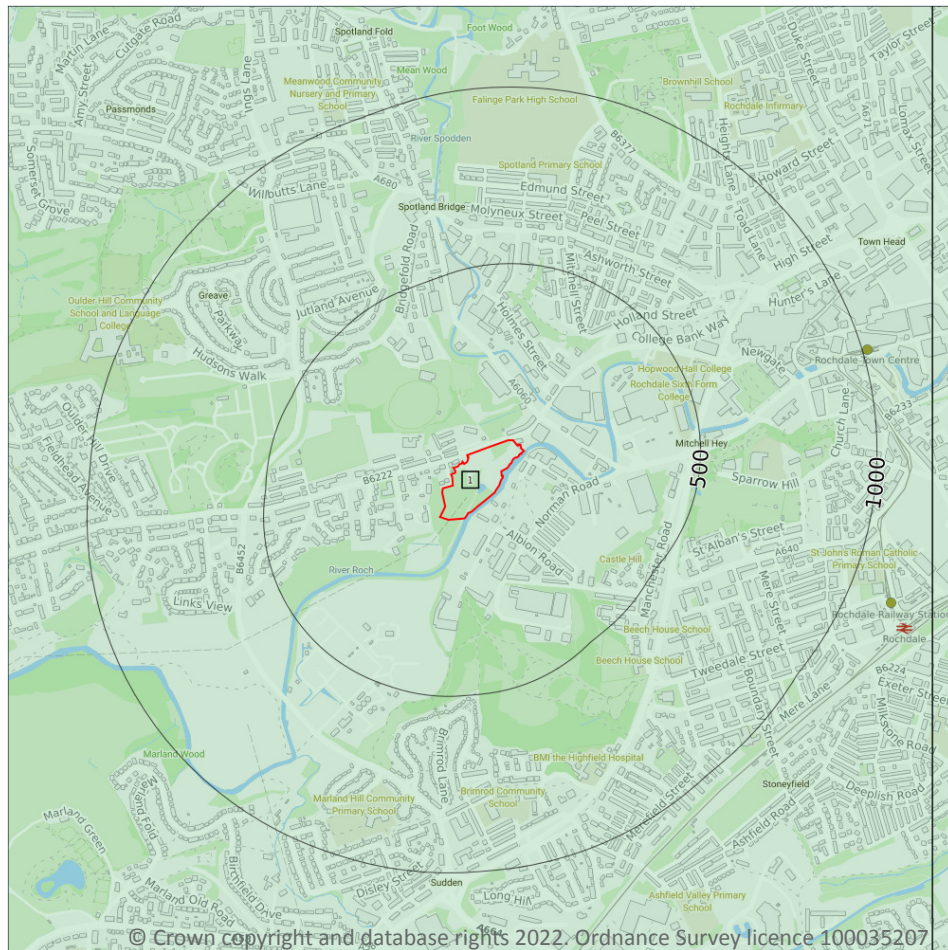
0

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.

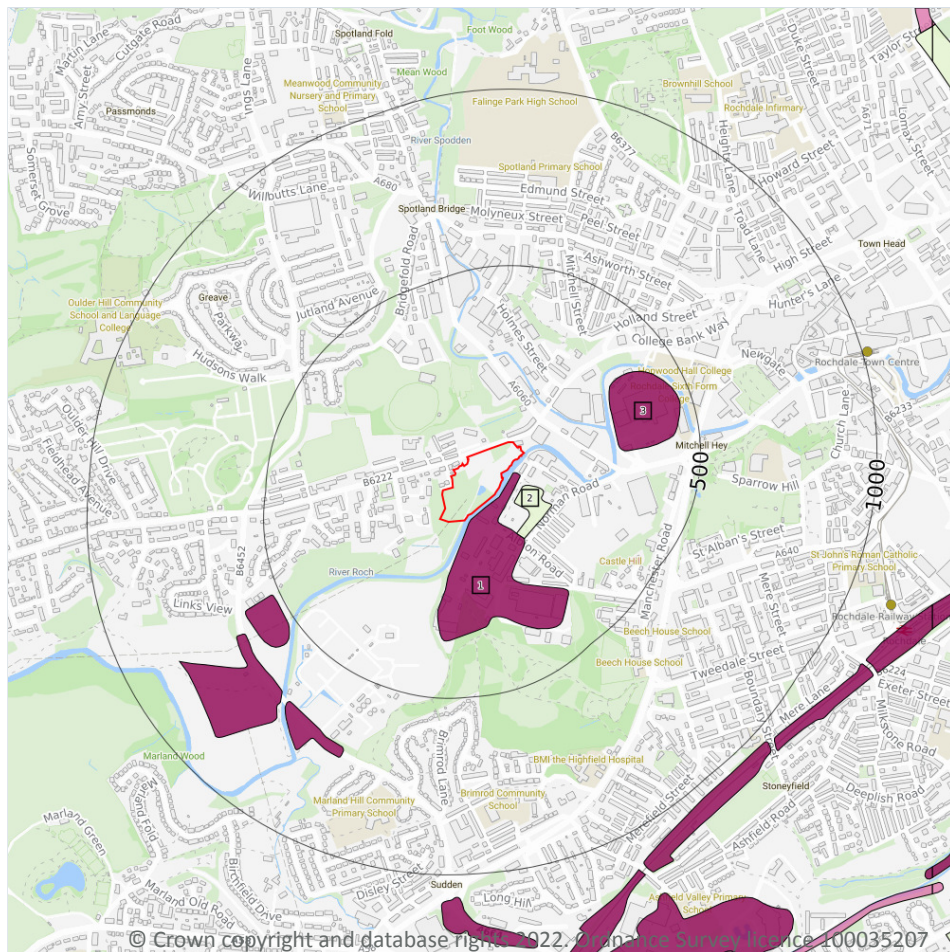
Features are displayed on the Geology 1:10,000 scale - Availability map on **page 115**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	Full	SD81SE

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

3

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.

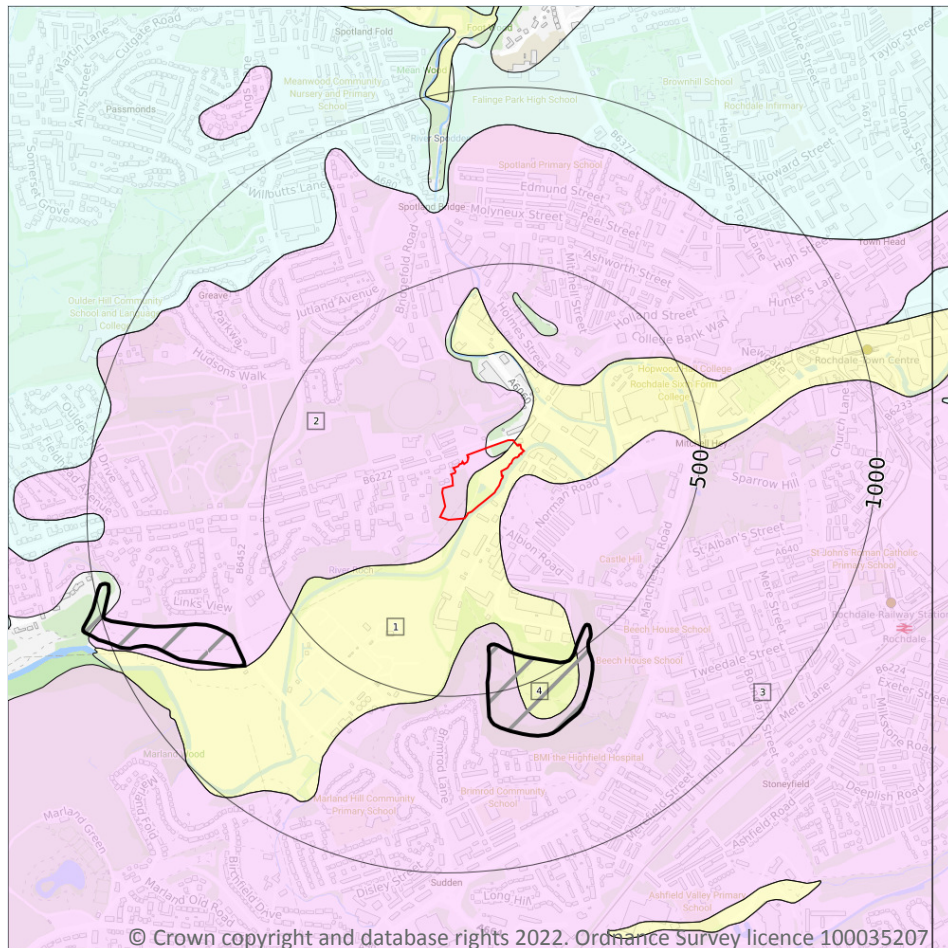
Features are displayed on the Geology 1:10,000 scale - Artificial and made ground map on **page 116**

ID	Location	LEX Code	Description	Rock description
1	11m SE	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
2	57m SE	WMGR-ARTDP	Infilled Ground	Artificial Deposit
3	266m E	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Superficial



Site Outline

Search buffers in metres (m)

Landslip (10k)

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

14.3 Superficial geology (10k)

Records within 500m

3

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

Features are displayed on the Geology 1:10,000 scale - Superficial map on **page 117**

ID	Location	LEX Code	Description	Rock description
1	On site	ALV-XCZSV	Alluvium - Clay, Silt, Sand And Gravel	Clay, Silt, Sand And Gravel
2	On site	GFDUD-XSV	Glaciofluvial Deposits, Devensian - Sand And Gravel	Sand And Gravel
3	36m SE	GFDUD-XSV	Glaciofluvial Deposits, Devensian - Sand And Gravel	Sand And Gravel

This data is sourced from the British Geological Survey.



14.4 Landslip (10k)

Records within 500m

1

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.

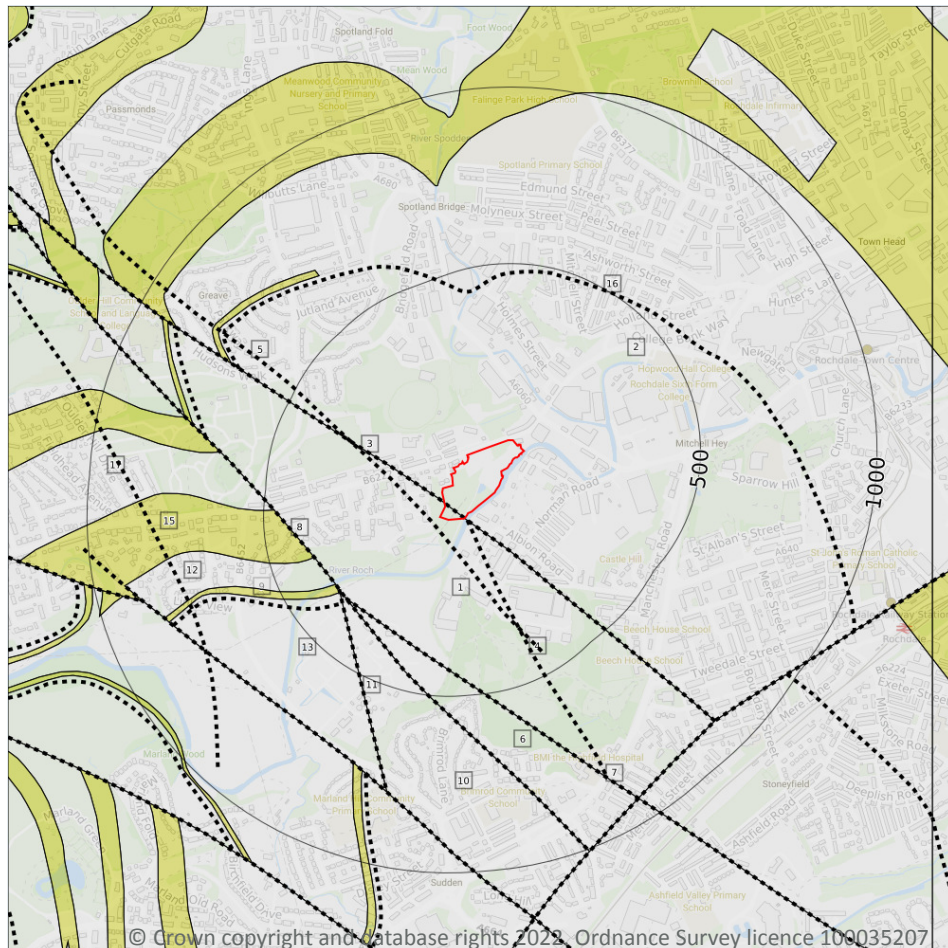
Features are displayed on the Geology 1:10,000 scale - Superficial map on **page 117**

ID	Location	LEX Code	Description	Rock description
4	365m S	SLIP-UNKNOWN	Landslide Deposits	Unknown/unclassified Entry

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Bedrock



— Site Outline

Search buffers in metres (m)

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

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

14.5 Bedrock geology (10k)

Records within 500m

9

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

Features are displayed on the Geology 1:10,000 scale - Bedrock map on **page 119**

ID	Location	LEX Code	Description	Rock age
1	On site	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age
2	On site	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age



ID	Location	LEX Code	Description	Rock age
6	342m SW	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age
9	352m SW	RSC-SDST	Riddle Scout Rock - Sandstone	Langsettian Sub-age
10	352m SW	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age
12	352m SW	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age
13	355m SW	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age
15	374m W	OL-SDST	Old Lawrence Rock - Sandstone	Langsettian Sub-age
17	471m W	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age

This data is sourced from the British Geological Survey.

14.6 Bedrock faults and other linear features (10k)

Records within 500m	8
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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.

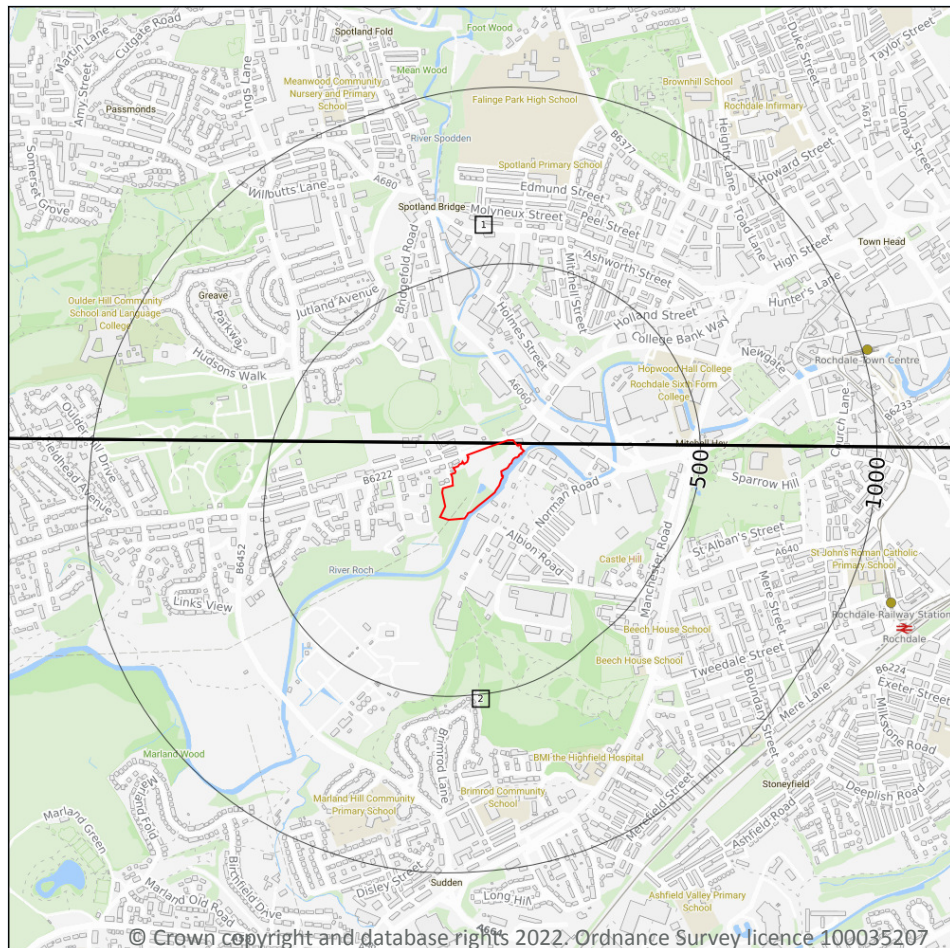
Features are displayed on the Geology 1:10,000 scale - Bedrock map on **page 119**

ID	Location	Category	Description
3	On site	FAULT	Normal fault, inferred; crossmarks on downthrow side
4	10m SE	FAULT	Normal fault, inferred; crossmarks on downthrow side
5	26m SW	LANDFORM	Buried channel or valley margin
7	342m SW	FAULT	Normal fault, inferred; crossmarks on downthrow side
8	352m SW	FAULT	Normal fault, inferred; crossmarks on downthrow side
11	352m SW	FAULT	Normal fault, inferred; crossmarks on downthrow side
14	369m SW	ROCK	Coal seam, inferred
16	435m N	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

2

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 121**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	No coverage	Full	Full	Full	EW076_rochdale_v4
2	On site	No coverage	Full	Full	No coverage	EW085_manchester_v4

This data is sourced from the British Geological Survey.



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

15.2 Artificial and made ground (50k)

Records within 500m

0

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.

This data is sourced from the British Geological Survey.

15.3 Artificial ground permeability (50k)

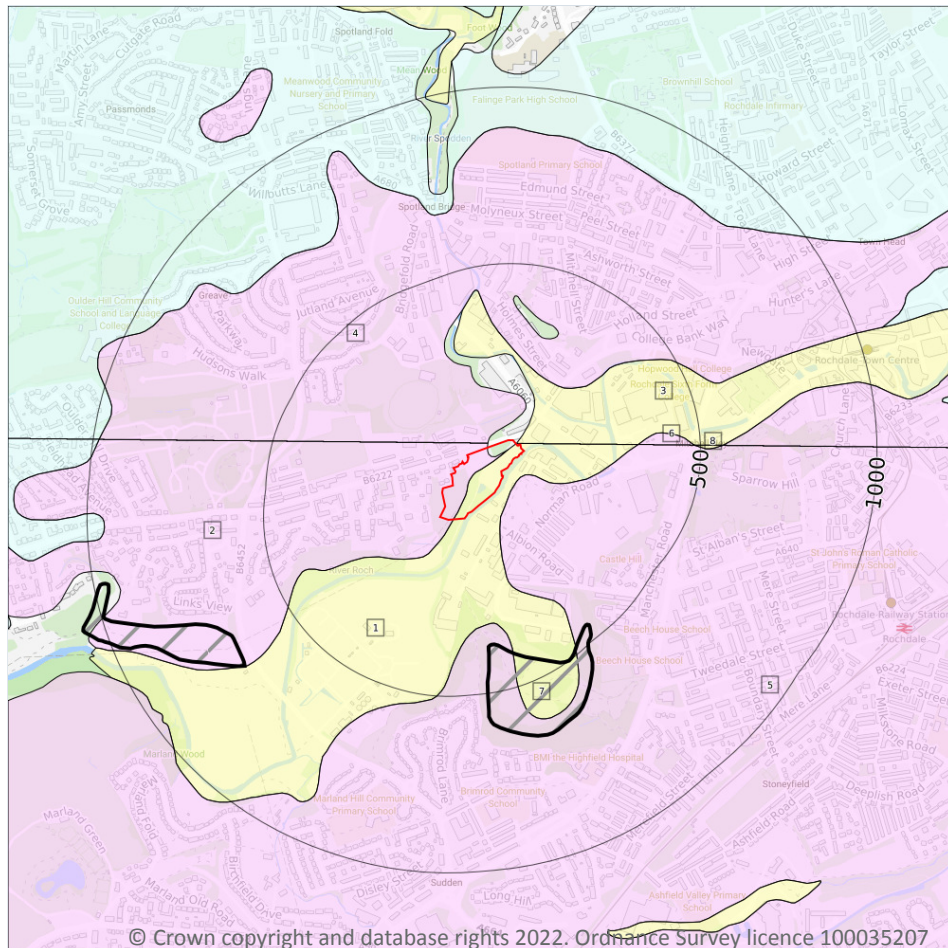
Records within 50m

0

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

This data is sourced from the British Geological Survey.

Geology 1:50,000 scale - Superficial



Site Outline

Search buffers in metres (m)

Landslip (50k)

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

15.4 Superficial geology (50k)

Records within 500m

7

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 123**

ID	Location	LEX Code	Description	Rock description
1	On site	ALV-XCZSV	ALLUVIUM	CLAY, SILT, SAND AND GRAVEL
2	On site	GFDUD-XSV	GLACIOFLUVIAL DEPOSITS, DEVENSIAN	SAND AND GRAVEL
3	2m NE	ALV-XCZSV	ALLUVIUM	CLAY, SILT, SAND AND GRAVEL
4	12m N	GFDUD-XSV	GLACIOFLUVIAL DEPOSITS, DEVENSIAN	SAND AND GRAVEL



ID	Location	LEX Code	Description	Rock description
5	36m SE	GFDUD-XSV	GLACIOFLUVIAL DEPOSITS, DEVENSIAN	SAND AND GRAVEL
6	325m E	GFDUD-XSV	GLACIOFLUVIAL DEPOSITS, DEVENSIAN	SAND AND GRAVEL
8	483m E	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

3

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	Intergranular	High	Very Low
On site	Intergranular	Very High	High
36m SW	Intergranular	Very High	High

This data is sourced from the British Geological Survey.

15.6 Landslip (50k)

Records within 500m

1

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.

Features are displayed on the Geology 1:50,000 scale - Superficial map on **page 123**

ID	Location	LEX Code	Description	Rock description
7	366m S	SLIP-UNKNOWN	LANDSLIDE DEPOSITS	UNKNOWN/UNCLASSIFIED ENTRY

This data is sourced from the British Geological Survey.



15.7 Landslip permeability (50k)

Records within 50m

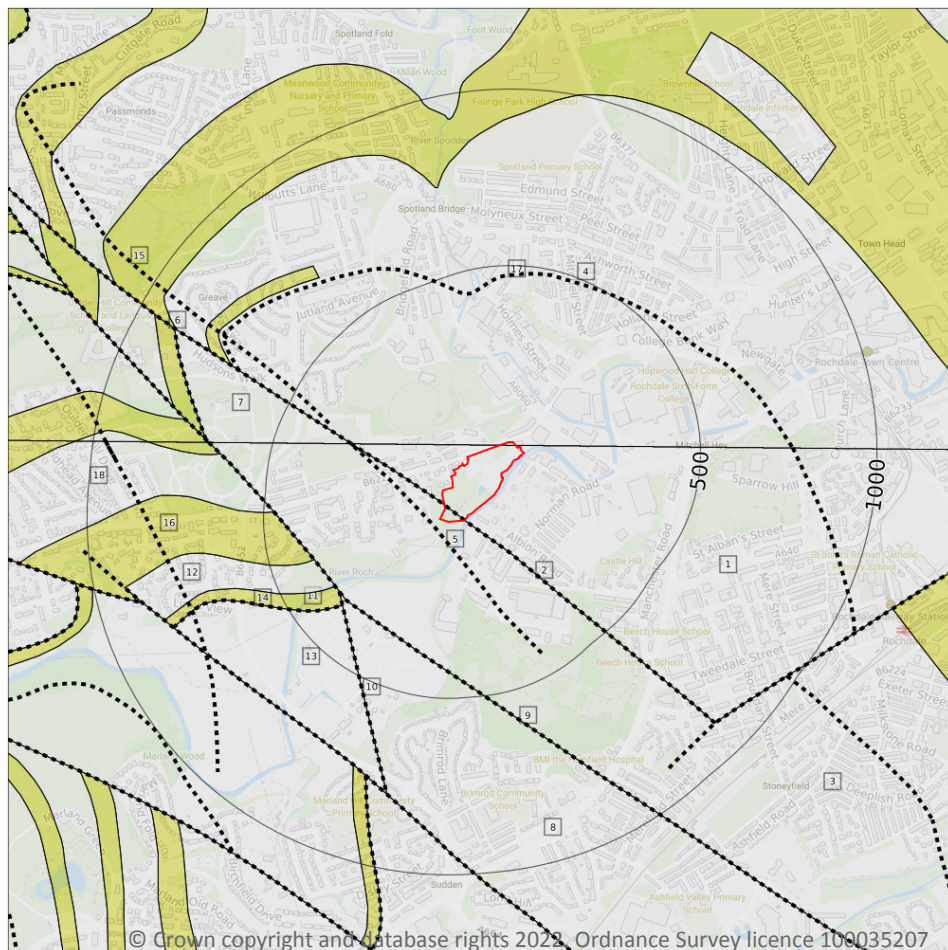
0

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

10

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 126**

ID	Location	LEX Code	Description	Rock age
1	On site	PLCM-MDSS	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
3	On site	PLCM-MDSS	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN



ID	Location	LEX Code	Description	Rock age
4	On site	PLCM-MDSS	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
7	291m NW	PLCM-MDSS	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
8	342m SW	PLCM-MDSS	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
11	351m SW	RSC-SDST	RIDDLE SCOUT ROCK - SANDSTONE	WESTPHALIAN
12	352m SW	PLCM-MDSS	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
13	369m SW	PLCM-MDSS	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
16	375m W	OL-SDST	OLD LAWRENCE ROCK - SANDSTONE	WESTPHALIAN
18	471m W	PLCM-MDSS	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN

This data is sourced from the British Geological Survey.

15.9 Bedrock permeability (50k)

Records within 50m	1
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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	8
----------------------------	----------

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.

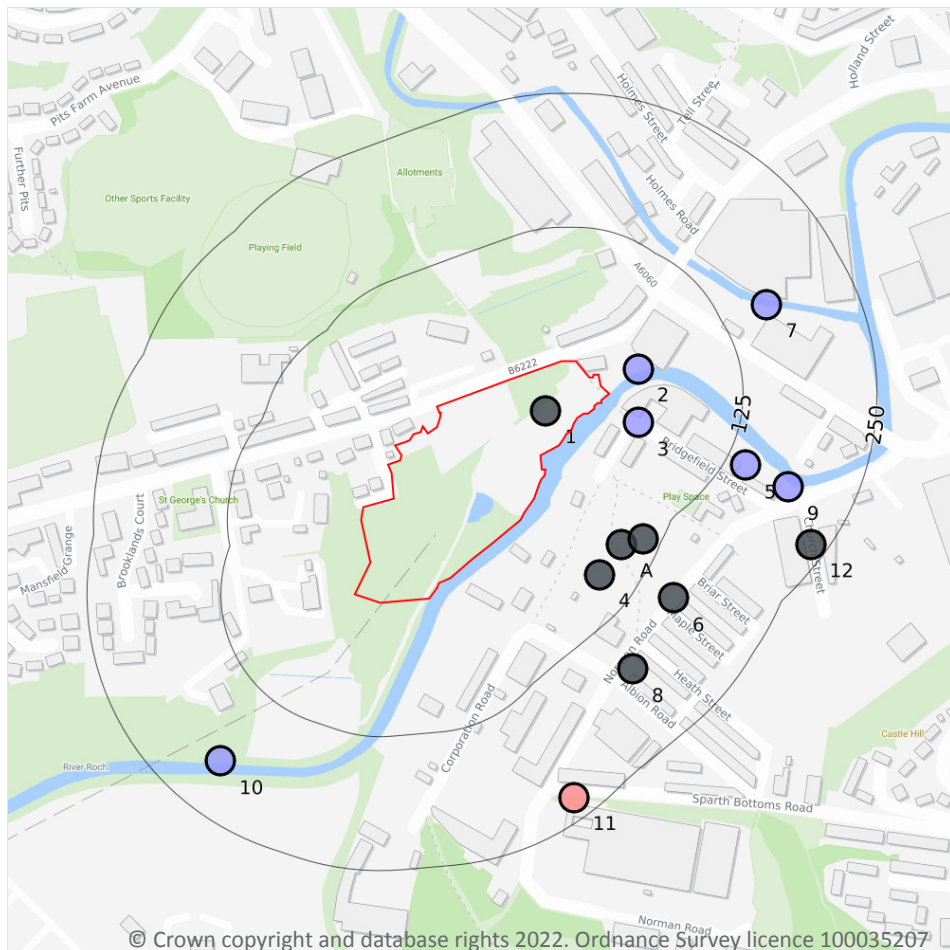
Features are displayed on the Geology 1:50,000 scale - Bedrock map on **page 126**

ID	Location	Category	Description
2	On site	FAULT	Fault, inferred
5	26m SW	LANDFORM	Approximate margin of buried (superficial deposit-filled) channel or valley
6	291m NW	FAULT	Fault, inferred
9	342m SW	FAULT	Fault, inferred
10	351m SW	FAULT	Fault, inferred
14	369m SW	ROCK	Coal seam, inferred
15	374m NW	LANDFORM	Approximate margin of buried (superficial deposit-filled) channel or valley
17	435m N	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

14

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 129**

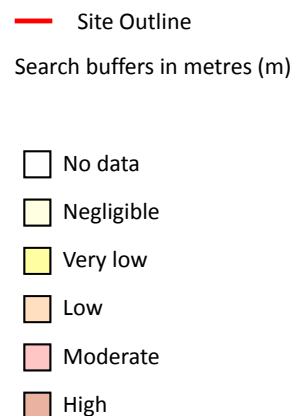
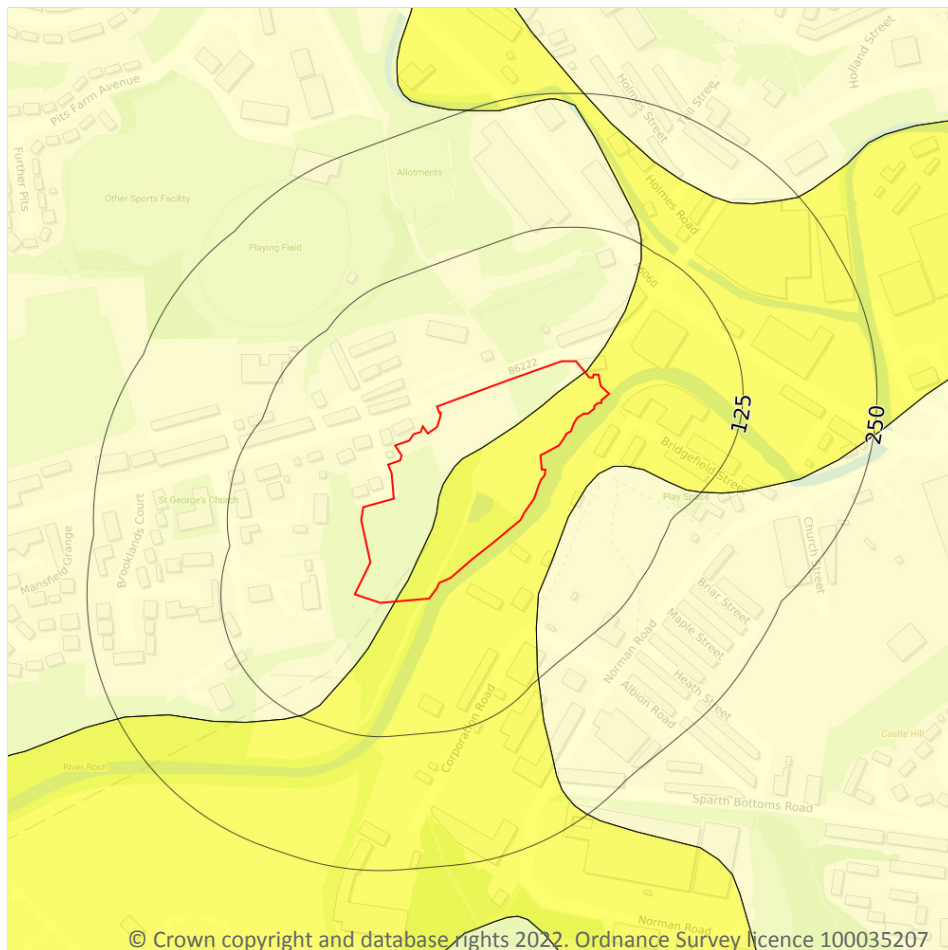
ID	Location	Grid reference	Name	Length	Confidential	Web link
1	On site	388784 413131	W CENTRAL DIST ROCHDALE 23	-	Y	N/A
2	36m NE	388870 413170	RIVER ROCH FAS ROCHDALE TP32	4.0	N	15943713
3	38m SE	388870 413120	TRUNK SEWER DERELICTION ROCHDALE BH1	3.6	N	30248



ID	Location	Grid reference	Name	Length	Confidential	Web link
4	90m SE	388834 412978	W CENTRAL DIST ROCHDALE 21	-	Y	N/A
A	92m SE	388854 413006	W CENTRAL DIST ROCHDALE 29	-	Y	N/A
A	109m E	388875 413011	W CENTRAL DIST ROCHDALE 22	-	Y	N/A
5	143m SE	388970 413080	RIVER ROCH FAS ROCHDALE 33	4.71	N	15943712
6	160m SE	388903 412956	W CENTRAL DIST ROCHDALE 20	-	Y	N/A
7	169m NE	388990 413230	TRUNK SEWER DERELICTION ROCHDALE BH2A	3.6	N	30249
8	174m SE	388865 412890	W CENTRAL DIST ROCHDALE 19	-	Y	N/A
9	188m SE	389010 413060	RIVER ROCH FAS ROCHDALE TP34	2.1	N	15943714
10	200m SW	388480 412804	ROCH MILLS TREATMENT WRKS BH44	8.23	N	29964
11	230m SE	388810 412770	SPARTH BOTTOMS ROAD ROCHDALE R1	30.5	N	30206
12	235m SE	389031 413006	W CENTRAL DIST ROCHDALE 24	-	Y	N/A

This data is sourced from the British Geological Survey.

17 Natural ground subsidence - Shrink swell clays



17.1 Shrink swell clays

Records within 50m

2

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).

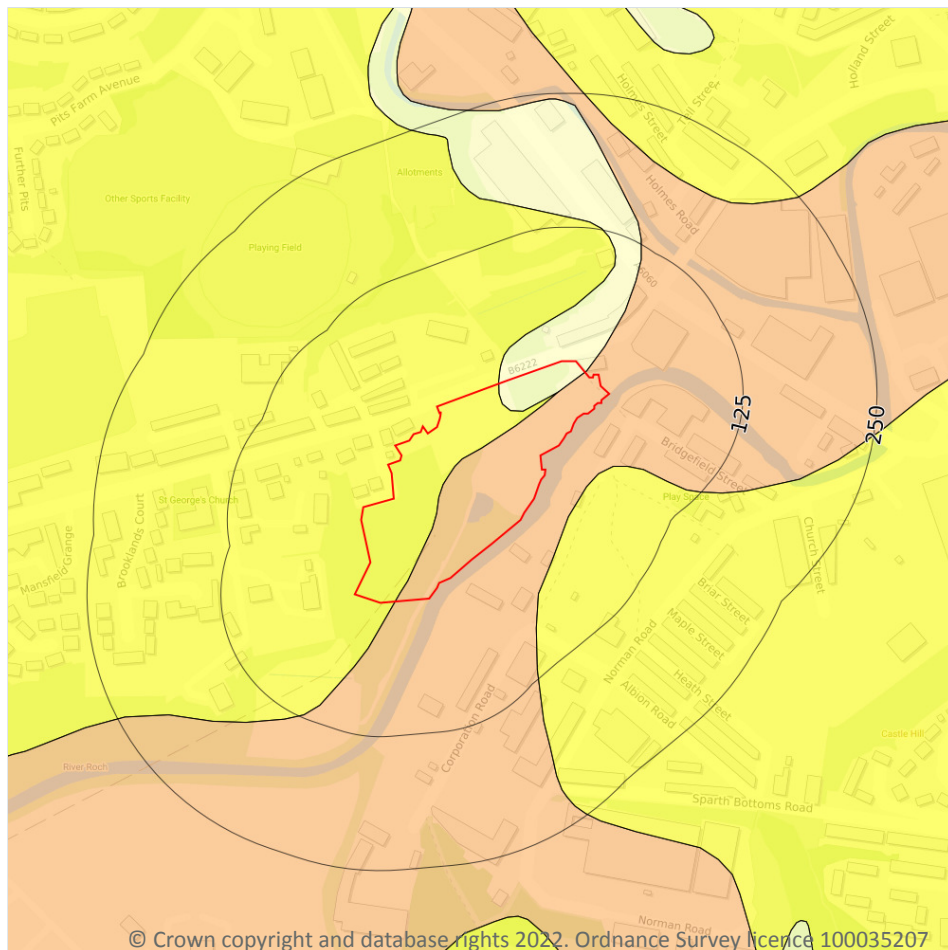
Features are displayed on the Natural ground subsidence - Shrink swell clays map on **page 131**

Location	Hazard rating	Details
On site	Negligible	Ground conditions predominantly non-plastic.
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

4

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 132**

Location	Hazard rating	Details
On site	Negligible	Running sand conditions are not thought to occur whatever the position of the water table. No identified constraints on lands use due to running conditions.

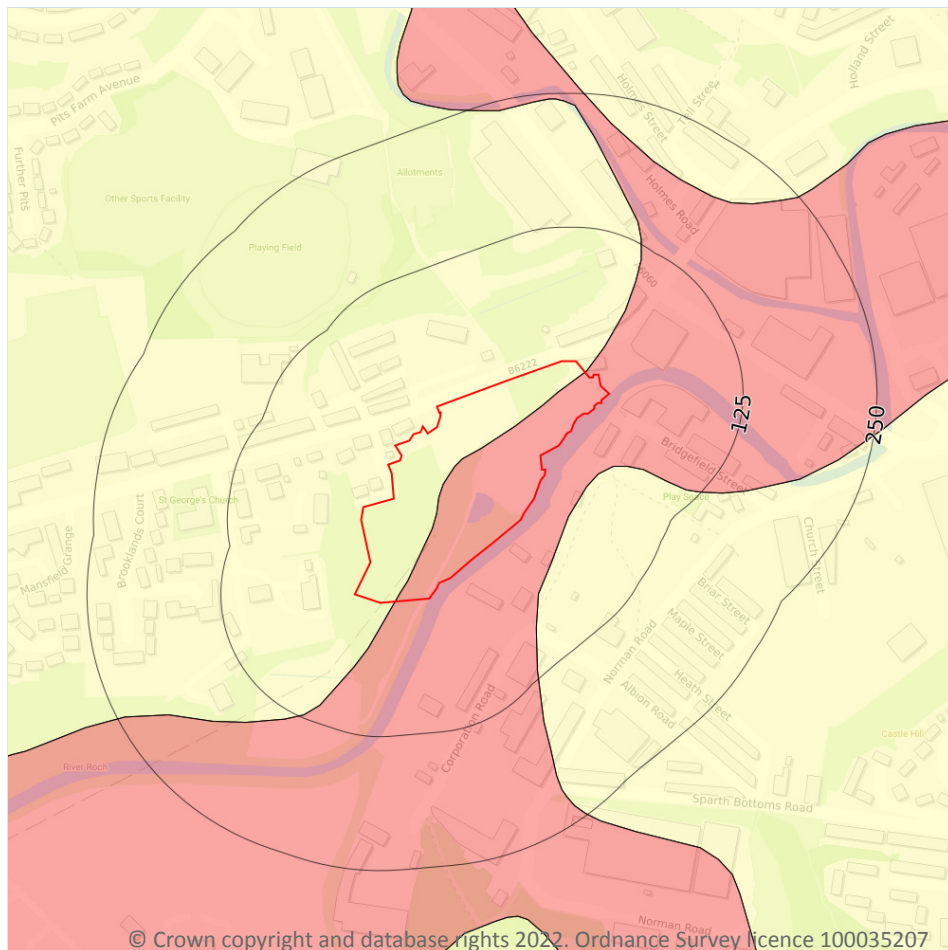


Location	Hazard rating	Details
On site	Very low	Running sand conditions are unlikely. No identified constraints on land use due to running conditions unless water table rises rapidly.
On site	Low	Running sand conditions may be present. Constraints may apply to land uses involving excavation or the addition or removal of water.
36m SE	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 134**

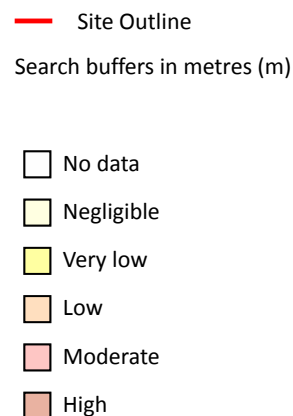
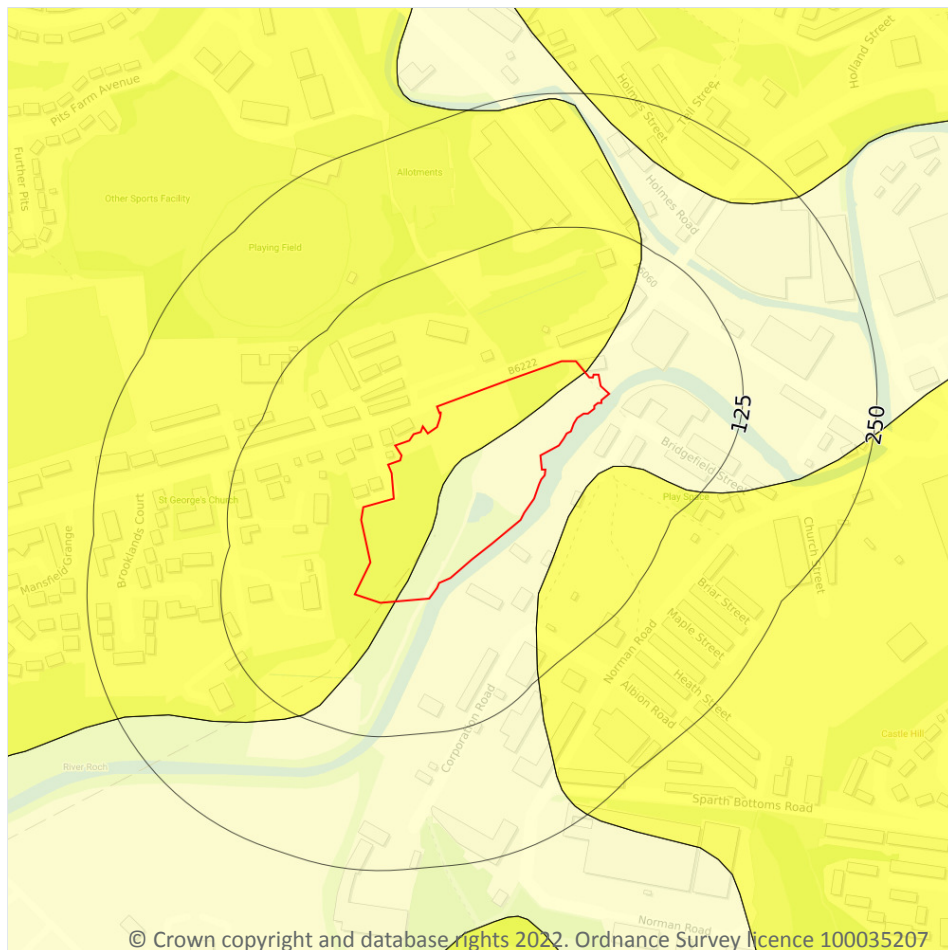
Location	Hazard rating	Details
On site	Negligible	Compressible strata are not thought to occur.
On site	Moderate	Compressibility and uneven settlement hazards are probably present. Land use should consider specifically the compressibility and variability of the site.



This data is sourced from the British Geological Survey.



Natural ground subsidence - Collapsible deposits



17.4 Collapsible deposits

Records within 50m

2

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.

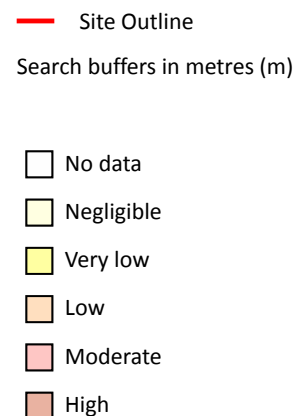
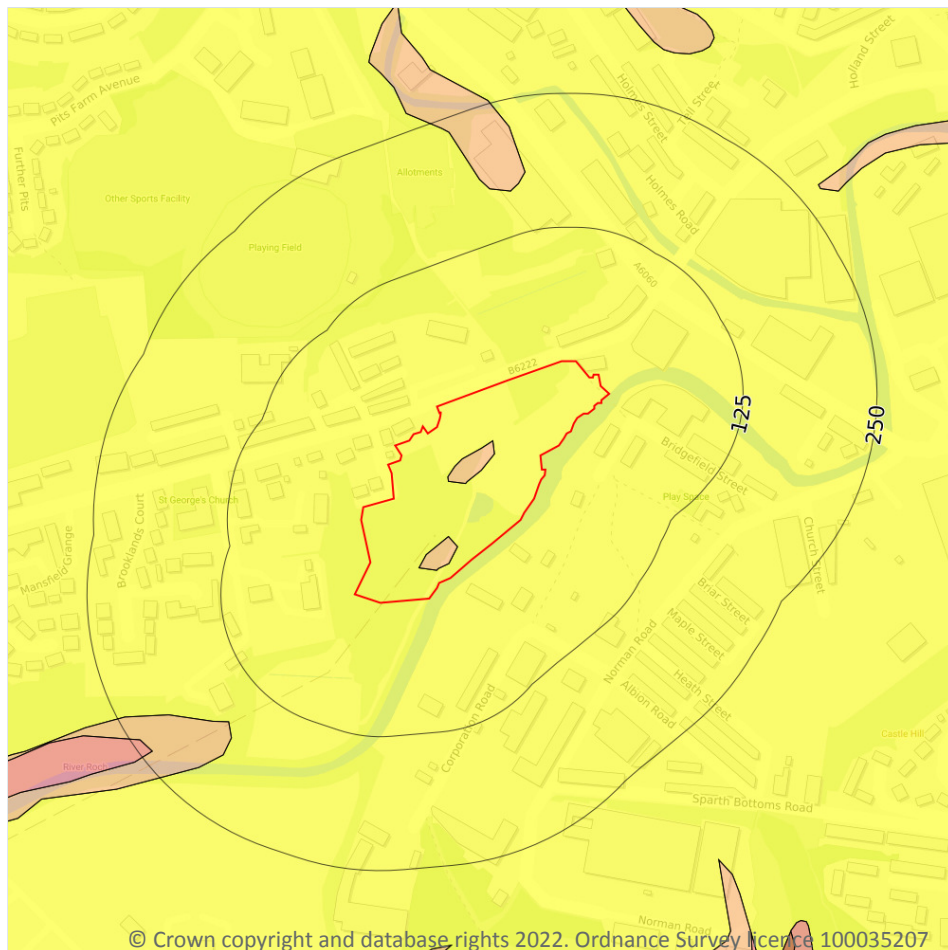
Features are displayed on the Natural ground subsidence - Collapsible deposits map on **page 136**

Location	Hazard rating	Details
On site	Negligible	Deposits with potential to collapse when loaded and saturated are believed not to be present.
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



17.5 Landslides

Records within 50m

2

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 137**

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.

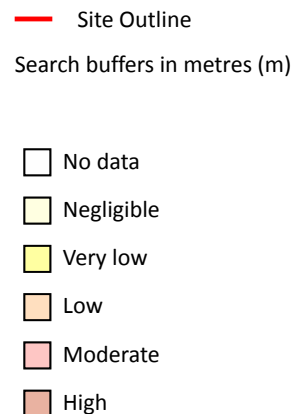
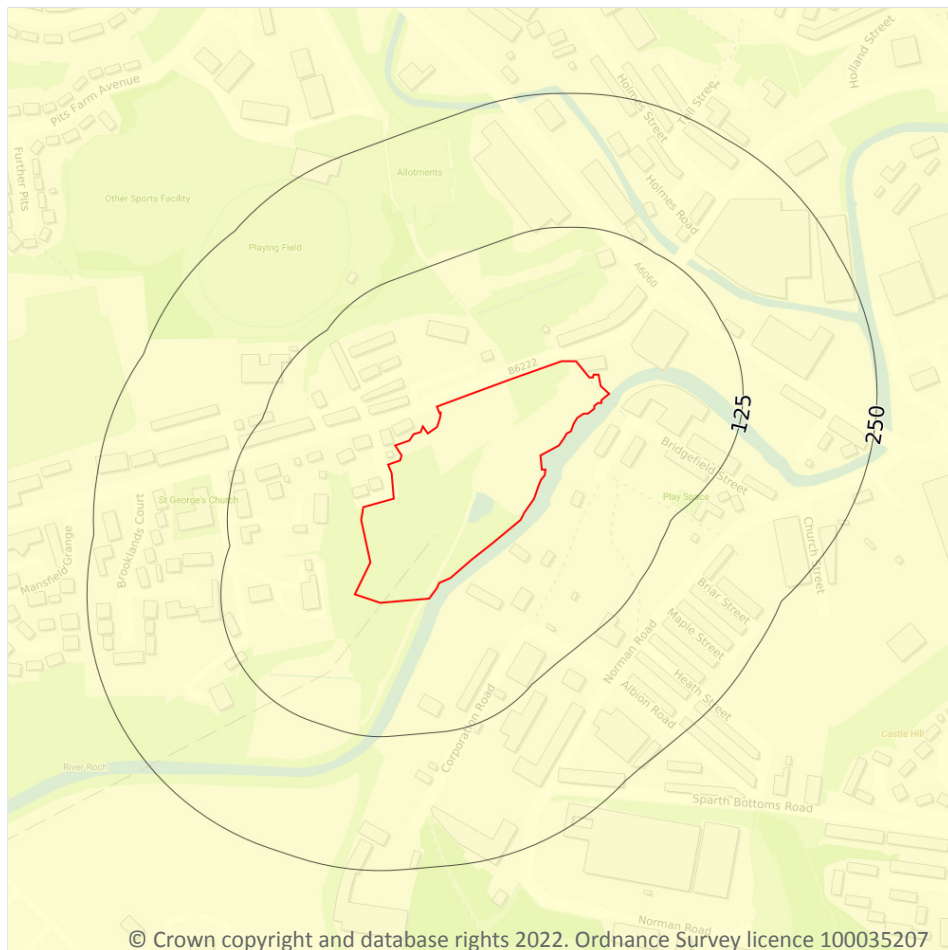


Location	Hazard rating	Details
On site	Low	Slope instability problems may be present or anticipated. Site investigation should consider specifically the slope stability of the site.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Ground dissolution of soluble rocks



17.6 Ground dissolution of soluble rocks

Records within 50m

1

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

Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on **page 139**

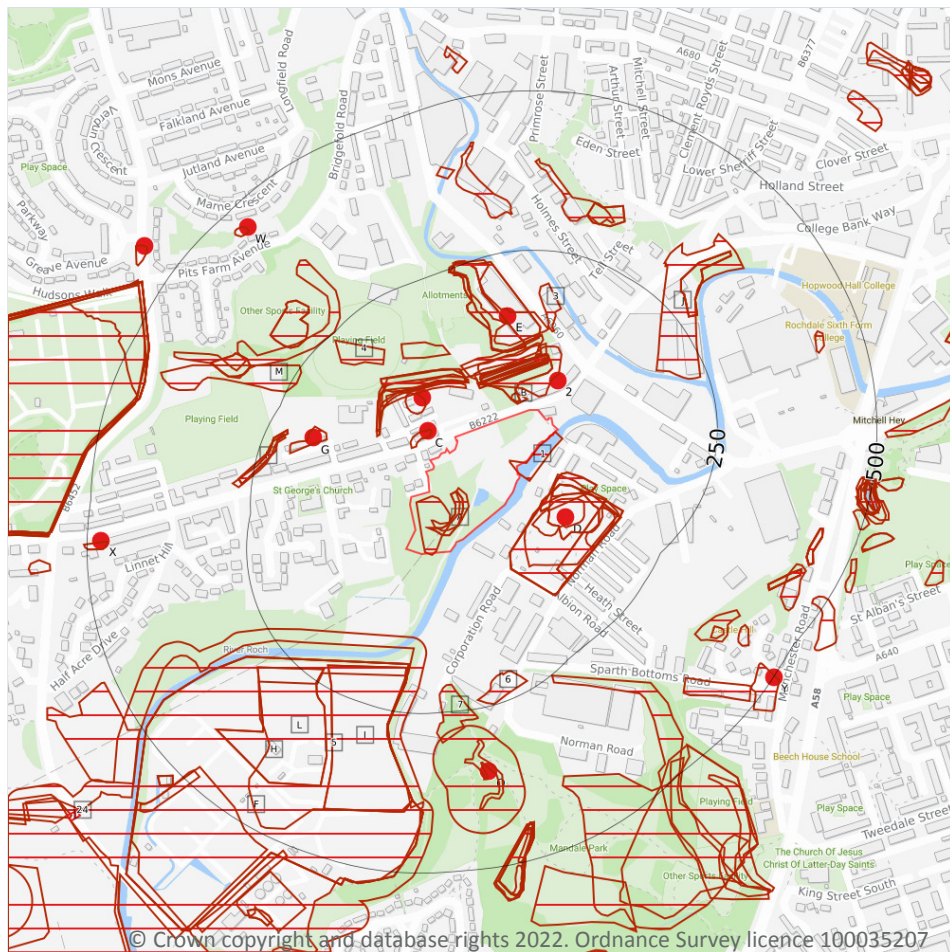
Location	Hazard rating	Details
On site	Negligible	Soluble rocks are either not thought to be present within the ground, or not prone to dissolution. Dissolution features are unlikely to be present.



This data is sourced from the British Geological Survey.



18 Mining, ground workings and natural cavities



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

18.1 Natural cavities

Records within 500m

0

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

This data is sourced from Stantec UK Ltd.

18.2 BritPits

Records within 500m

10

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

Features are displayed on the Mining, ground workings and natural cavities map on **page 141**

ID	Location	Details	Description
C	41m NW	Name: Oaken House Sand Pit Address: Mitchell Hey, ROCHDALE, Lancashire Commodity: Sand 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
2	56m NE	Name: Coptrod Wood Address: Mitchell Hey, ROCHDALE, Lancashire Commodity: Sandstone 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
C	80m NW	Name: Oaken House Sand Pit Address: Mitchell Hey, ROCHDALE, Lancashire Commodity: Sand Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
D	90m SE	Name: Sparth Brick Works Address: ROCHDALE, Lancashire Commodity: Clay & Shale Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
E	151m N	Name: Coptrod Quarry Address: ROCHDALE, 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



ID	Location	Details	Description
G	179m NW	Name: Sandy Brow Sand Pit Address: Mitchell Hey, ROCHDALE, Lancashire Commodity: Sand 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
O	348m S	Name: West Hill Gravel Pit Address: Mitchell Hey, ROCHDALE, Lancashire Commodity: Sand & Gravel 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
W	462m NW	Name: Sandy Brow Sand Pit Address: Mitchell Hey, ROCHDALE, Lancashire Commodity: Sand 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
X	477m W	Name: Sandy Brow Sand Pit Address: Mitchell Hey, ROCHDALE, Lancashire Commodity: Sand 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
Y	499m SE	Name: Castle Hill Sand Pit Address: Mitchell Hey, ROCHDALE, Lancashire Commodity: Sand Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority

This data is sourced from the British Geological Survey.

18.3 Surface ground workings

Records within 250m

65

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

Features are displayed on the Mining, ground workings and natural cavities map on **page 141**



ID	Location	Land Use	Year of mapping	Mapping scale
1	On site	Pond	1949	1:10560
A	On site	Refuse Heap	1928	1:10560
A	On site	Unspecified Heap	1908	1:10560
A	On site	Refuse Heap	1938	1:10560
A	On site	Refuse Heap	1949	1:10560
B	15m N	Unspecified Pit	1890	1:10560
B	19m N	Unspecified Heaps	1992	1:10000
B	19m N	Unspecified Heaps	1987	1:10000
B	21m N	Unspecified Quarry	1890	1:10560
C	31m NW	Sand Pit	1851	1:10560
D	46m SE	Unspecified Heap	1890	1:10560
D	47m SE	Brick Works	1908	1:10560
D	48m SE	Brick Works	1928	1:10560
D	48m SE	Brick Works	1938	1:10560
D	48m E	Unspecified Quarry	1938	1:10560
D	48m E	Unspecified Quarry	1928	1:10560
D	53m SE	Unspecified Quarry	1908	1:10560
D	54m SE	Unspecified Pit	1975	1:10000
D	54m SE	Unspecified Pit	1968	1:10560
B	58m N	Mill Pond	1938	1:10560
B	58m N	Mill Pond	1928	1:10560
B	60m N	Unspecified Pit	1975	1:10000
B	60m N	Unspecified Pit	1968	1:10560
B	64m N	Mill Pond	1949	1:10560
B	65m N	Ponds	1890	1:10560
C	65m NW	Sand Pit	1851	1:10560
C	66m N	Pond	1908	1:10560
C	73m N	Pond	1949	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
B	73m N	Pond	1908	1:10560
C	74m N	Unspecified Heap	1975	1:10000
C	75m N	Pond	1890	1:10560
C	75m N	Unspecified Heap	1992	1:10000
C	75m N	Unspecified Heap	1987	1:10000
B	76m N	Pond	1851	1:10560
E	97m N	Unspecified Ground Workings	1992	1:10000
E	97m N	Unspecified Ground Workings	1987	1:10000
E	97m N	Unspecified Ground Workings	1975	1:10000
E	99m N	Unspecified Quarry	1938	1:10560
E	99m N	Unspecified Quarry	1928	1:10560
E	106m N	Unspecified Quarry	1949	1:10560
C	125m N	Pond	1949	1:10560
3	125m N	Unspecified Quarry	1890	1:10560
D	125m SE	Unspecified Pit	1975	1:10000
D	125m SE	Unspecified Pit	1968	1:10560
F	131m S	Sewage Farm	1928	1:10560
D	133m SE	Unspecified Heap	1908	1:10560
F	148m S	Sewage Farm	1949	1:10560
G	160m NW	Sand Pit	1890	1:10560
4	160m NW	Pond	1949	1:10560
H	174m S	Sewage Works	1992	1:10000
H	174m S	Sewage Works	1987	1:10000
H	174m S	Sewage Works	1975	1:10000
I	180m S	Sludge Lagoons	1992	1:10000
I	180m S	Sludge Lagoons	1987	1:10000
J	180m NE	Brick Field	1851	1:10560
5	192m S	Sludge Lagoons	1975	1:10000



ID	Location	Land Use	Year of mapping	Mapping scale
6	207m SE	Colliery	1851	1:10560
7	208m S	Colliery	1851	1:10560
K	218m NW	Unspecified Ground Workings	1975	1:10000
K	218m NW	Unspecified Ground Workings	1949	1:10560
K	218m NW	Unspecified Ground Workings	1968	1:10560
K	218m NW	Unspecified Ground Workings	1928	1:10560
L	228m SW	Sludge Beds	1992	1:10000
L	228m SW	Sludge Beds	1987	1:10000
M	241m NW	Unspecified Heap	1968	1:10560

This data is sourced from Ordnance Survey/Groundsure.

18.4 Underground workings

Records within 1000m

2

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

Features are displayed on the Mining, ground workings and natural cavities map on **page 141**

ID	Location	Land Use	Year of mapping	Mapping scale
24	659m SW	Tunnel	1968	1:10560
-	811m S	Unspecified Shaft	1890	1:10560

This data is sourced from Ordnance Survey/Groundsure.

18.5 Historical Mineral Planning Areas

Records within 500m

0

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

This data is sourced from the British Geological Survey.



18.6 Non-coal mining

Records within 1000m

0

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).

This data is sourced from the British Geological Survey.

18.7 Mining cavities

Records within 1000m

0

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

This data is sourced from Stantec UK Ltd.

18.8 JPB mining areas

Records on site

0

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

This data is sourced from Johnson Poole and Bloomer.

18.9 Coal mining

Records on site

1

Areas which could be affected by past, current or future coal mining.

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

This data is sourced from the Coal Authority.



18.10 Brine areas

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

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

18.11 Gypsum areas

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

This data is sourced from British Gypsum.

18.12 Tin mining

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

This data is sourced from Groundsure.

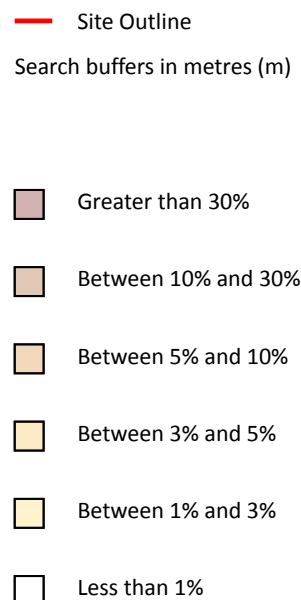
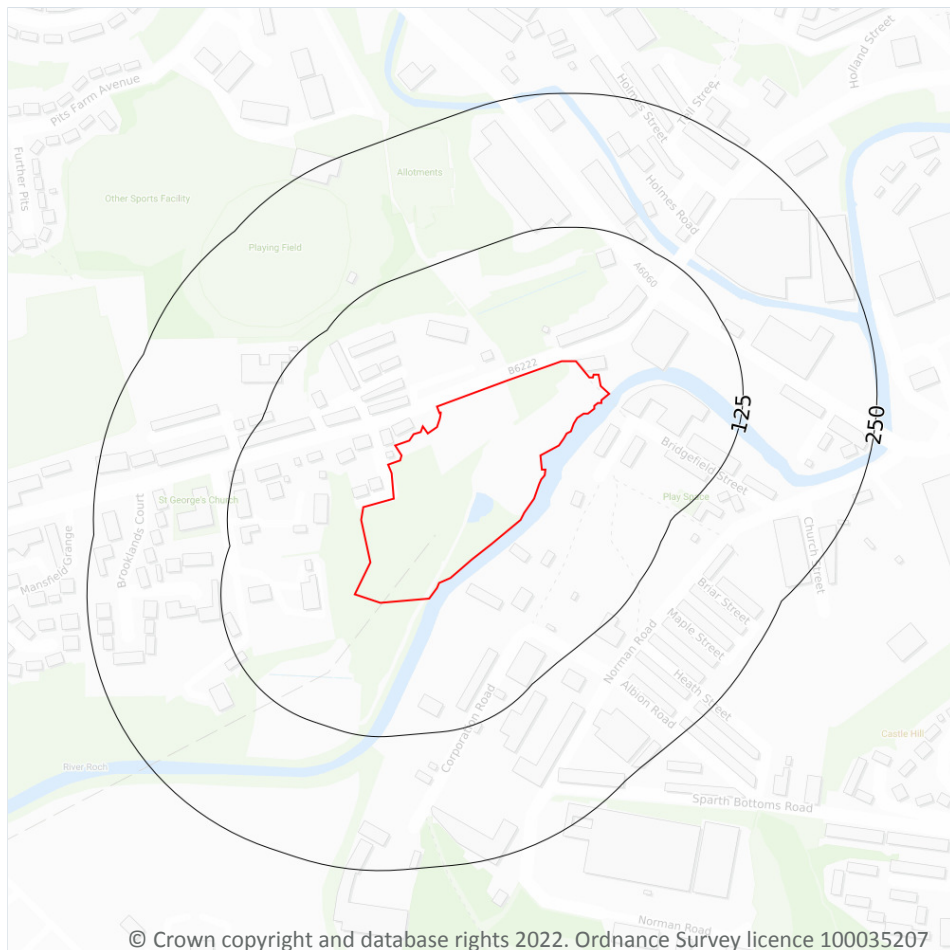
18.13 Clay mining

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

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

19 Radon



19.1 Radon

Records on site

1

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

Features are displayed on the Radon map on **page 149**

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

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



20 Soil chemistry

20.1 BGS Estimated Background Soil Chemistry

Records within 50m

10

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	200 - 300 mg/kg	120 - 240 mg/kg	2.2 - 3.0 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	200 - 300 mg/kg	120 - 240 mg/kg	1.8 - 2.2 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	200 - 300 mg/kg	120 - 240 mg/kg	2.2 - 3.0 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	200 - 300 mg/kg	120 - 240 mg/kg	2.2 - 3.0 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg
On site	15 - 25 mg/kg	No data	200 - 300 mg/kg	120 - 240 mg/kg	1.8 - 2.2 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg
On site	15 - 25 mg/kg	No data	200 - 300 mg/kg	120 - 240 mg/kg	1.8 - 2.2 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	200 - 300 mg/kg	120 - 240 mg/kg	2.2 - 3.0 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg
On site	15 - 25 mg/kg	No data	200 - 300 mg/kg	120 - 240 mg/kg	2.2 - 3.0 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
11m S	15 - 25 mg/kg	No data	200 - 300 mg/kg	120 - 240 mg/kg	1.8 - 2.2 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg
38m NE	15 - 25 mg/kg	No data	200 - 300 mg/kg	120 - 240 mg/kg	2.2 - 3.0 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg

This data is sourced from the British Geological Survey.



20.2 BGS Estimated Urban Soil Chemistry

Records within 50m**0**

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).

This data is sourced from the British Geological Survey.

20.3 BGS Measured Urban Soil Chemistry

Records within 50m**0**

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

This data is sourced from the British Geological Survey.



21 Railway infrastructure and projects



- Site Outline
- Search buffers in metres (m)
- C1 Crossrail 1 Stations
- Crossrail 1 Route
- Crossrail 1 Worksites
- 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

21.1 Underground railways (London)

Records within 250m

0

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

This data is sourced from publicly available information by Groundsure.

21.2 Underground railways (Non-London)

Records within 250m

0

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



This data is sourced from publicly available information by Groundsure.

21.3 Railway tunnels

Records within 250m

0

Railway tunnels taken from contemporary Ordnance Survey mapping.

This data is sourced from the Ordnance Survey.

21.4 Historical railway and tunnel features

Records within 250m

12

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 152**

Location	Land Use	Year of mapping	Mapping scale
50m NE	Railway Sidings	1890	2500
80m SE	Railway Sidings	1908	10560
82m SE	Railway Sidings	1910	2500
82m SE	Railway Sidings	1938	10560
82m SE	Railway Sidings	1928	10560
91m SE	Railway Sidings	1930	2500
123m N	Tramway Sidings	1930	2500
123m N	Railway Sidings	1938	10560
123m N	Railway Sidings	1928	10560
130m N	Railway Sidings	1949	10560
132m N	Railway Sidings	1910	2500
132m N	Railway Sidings	1930	2500

This data is sourced from Ordnance Survey/Groundsure.



21.5 Royal Mail tunnels

Records within 250m

0

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

This data is sourced from Groundsure/the Postal Museum.

21.6 Historical railways

Records within 250m

0

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

This data is sourced from OpenStreetMap.

21.7 Railways

Records within 250m

0

Currently existing railway lines, including standard railways, narrow gauge, funicular, trams and light railways.

This data is sourced from Ordnance Survey and OpenStreetMap.

21.8 Crossrail 1

Records within 500m

0

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

This data is sourced from publicly available information by Groundsure.

21.9 Crossrail 2

Records within 500m

0

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

This data is sourced from publicly available information by Groundsure.

21.10 HS2

Records within 500m

0

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

This data is sourced from HS2 Ltd.



Data providers

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

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