

Site Details:

New Office Block,
Bury, Plisworth Road, Bury, BL9
8RD

Client Ref: EMS_745837_970188
Report Ref: EMS-745837_970188
Grid Ref: 381529, 408666

Map Name: National Grid

Map date: 1991-1995

Scale: 1:1,250

Printed at: 1:2,000



Surveyed N/A
Revised N/A
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1992
Revised N/A
Edition N/A
Copyright 1992
Levelled N/A

Surveyed 1995
Revised N/A
Edition N/A
Copyright 1995
Levelled N/A



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Production date: 17 December 2021

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Surveyed 1992
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Surveyed 1995
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Client Ref: EMS_745837_970188
Report Ref: EMS-745837_970188
Grid Ref: 381529, 408666

Map Name: LandLine

Map date: 2003

Scale: 1:1,250

Printed at: 1:1,250



2003



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APPENDIX 4 - Groundsure Report

New Office Block, Bury, Plisworth Road, Bury, BL9 8RD

Order Details

Date: 17/12/2021
Your ref: EMS_745837_970189
Our Ref: EMS-745837_970189
Client: emapsite

Site Details

Location: 381525 408665
Area: 1.56 ha
Authority: [Bury 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
<u>13</u>	<u>1.1</u>	<u>Historical industrial land uses</u>	0	1	28	13	-
<u>15</u>	<u>1.2</u>	<u>Historical tanks</u>	0	0	34	16	-
<u>17</u>	<u>1.3</u>	<u>Historical energy features</u>	0	1	4	3	-
18	1.4	Historical petrol stations	0	0	0	0	-
18	1.5	Historical garages	0	0	0	0	-
18	1.6	Historical military land	0	0	0	0	-
Page	Section	Past land use - un-grouped	On site	0-50m	50-250m	250-500m	500-2000m
<u>19</u>	<u>2.1</u>	<u>Historical industrial land uses</u>	0	1	51	18	-
<u>22</u>	<u>2.2</u>	<u>Historical tanks</u>	0	0	66	22	-
<u>26</u>	<u>2.3</u>	<u>Historical energy features</u>	0	1	9	3	-
26	2.4	Historical petrol stations	0	0	0	0	-
27	2.5	Historical garages	0	0	0	0	-
Page	Section	Waste and landfill	On site	0-50m	50-250m	250-500m	500-2000m
28	3.1	Active or recent landfill	0	0	0	0	-
28	3.2	Historical landfill (BGS records)	0	0	0	0	-
29	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
<u>29</u>	<u>3.4</u>	<u>Historical landfill (EA/NRW records)</u>	0	0	1	1	-
29	3.5	Historical waste sites	0	0	0	0	-
<u>30</u>	<u>3.6</u>	<u>Licensed waste sites</u>	0	0	0	1	-
<u>30</u>	<u>3.7</u>	<u>Waste exemptions</u>	0	0	1	9	-
Page	Section	Current industrial land use	On site	0-50m	50-250m	250-500m	500-2000m
<u>32</u>	<u>4.1</u>	<u>Recent industrial land uses</u>	1	5	30	-	-
<u>35</u>	<u>4.2</u>	<u>Current or recent petrol stations</u>	0	0	0	1	-
35	4.3	Electricity cables	0	0	0	0	-
35	4.4	Gas pipelines	0	0	0	0	-
35	4.5	Sites determined as Contaminated Land	0	0	0	0	-



35	4.6	<u>Control of Major Accident Hazards (COMAH)</u>	0	0	0	1	-
36	4.7	Regulated explosive sites	0	0	0	0	-
36	4.8	<u>Hazardous substance storage/usage</u>	0	0	0	1	-
36	4.9	Historical licensed industrial activities (IPC)	0	0	0	0	-
37	4.10	<u>Licensed industrial activities (Part A(1))</u>	0	19	0	4	-
40	4.11	<u>Licensed pollutant release (Part A(2)/B)</u>	0	0	0	1	-
41	4.12	Radioactive Substance Authorisations	0	0	0	0	-
41	4.13	<u>Licensed Discharges to controlled waters</u>	0	0	5	0	-
42	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
42	4.15	<u>Pollutant release to public sewer</u>	0	1	0	0	-
42	4.16	List 1 Dangerous Substances	0	0	0	0	-
42	4.17	List 2 Dangerous Substances	0	0	0	0	-
43	4.18	<u>Pollution Incidents (EA/NRW)</u>	1	0	3	11	-
44	4.19	<u>Pollution inventory substances</u>	0	6	0	0	-
47	4.20	<u>Pollution inventory waste transfers</u>	0	1	0	0	-
48	4.21	Pollution inventory radioactive waste	0	0	0	0	-
Page	Section	Hydrogeology	On site	0-50m	50-250m	250-500m	500-2000m
49	5.1	<u>Superficial aquifer</u>	Identified (within 500m)				
51	5.2	<u>Bedrock aquifer</u>	Identified (within 500m)				
52	5.3	<u>Groundwater vulnerability</u>	Identified (within 50m)				
53	5.4	Groundwater vulnerability- soluble rock risk	None (within 0m)				
53	5.5	Groundwater vulnerability- local information	None (within 0m)				
54	5.6	<u>Groundwater abstractions</u>	0	0	2	0	23
61	5.7	<u>Surface water abstractions</u>	0	0	0	0	13
64	5.8	<u>Potable abstractions</u>	0	0	2	0	0
65	5.9	Source Protection Zones	0	0	0	0	-
65	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-
Page	Section	Hydrology	On site	0-50m	50-250m	250-500m	500-2000m
66	6.1	<u>Water Network (OS MasterMap)</u>	0	0	12	-	-



68	6.2	<u>Surface water features</u>	0	0	3	-	-
68	6.3	<u>WFD Surface water body catchments</u>	2	-	-	-	-
68	6.4	<u>WFD Surface water bodies</u>	0	0	2	-	-
69	6.5	<u>WFD Groundwater bodies</u>	1	-	-	-	-
Page	Section	River and coastal flooding	On site	0-50m	50-250m	250-500m	500-2000m
70	7.1	Risk of flooding from rivers and the sea	None (within 50m)				
70	7.2	Historical Flood Events	0	0	0	-	-
70	7.3	Flood Defences	0	0	0	-	-
71	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
71	7.5	Flood Storage Areas	0	0	0	-	-
72	7.6	Flood Zone 2	None (within 50m)				
72	7.7	Flood Zone 3	None (within 50m)				
Page	Section	Surface water flooding					
73	8.1	<u>Surface water flooding</u>	1 in 30 year, 0.3m - 1.0m (within 50m)				
Page	Section	Groundwater flooding					
75	9.1	<u>Groundwater flooding</u>	Low (within 50m)				
Page	Section	Environmental designations	On site	0-50m	50-250m	250-500m	500-2000m
76	10.1	Sites of Special Scientific Interest (SSSI)	0	0	0	0	0
77	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
77	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
77	10.4	Special Protection Areas (SPA)	0	0	0	0	0
77	10.5	National Nature Reserves (NNR)	0	0	0	0	0
78	10.6	<u>Local Nature Reserves (LNR)</u>	1	0	0	0	0
78	10.7	Designated Ancient Woodland	0	0	0	0	0
78	10.8	Biosphere Reserves	0	0	0	0	0
78	10.9	Forest Parks	0	0	0	0	0
79	10.10	Marine Conservation Zones	0	0	0	0	0
79	10.11	<u>Green Belt</u>	0	0	1	0	3
79	10.12	Proposed Ramsar sites	0	0	0	0	0



79	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
80	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
80	10.15	Nitrate Sensitive Areas	0	0	0	0	0
80	10.16	Nitrate Vulnerable Zones	0	0	0	0	0
81	<u>10.17</u>	<u>SSSI Impact Risk Zones</u>	1	-	-	-	-
82	10.18	SSSI Units	0	0	0	0	0
Page	Section	Visual and cultural designations	On site	0-50m	50-250m	250-500m	500-2000m
83	11.1	World Heritage Sites	0	0	0	-	-
83	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
83	11.3	National Parks	0	0	0	-	-
83	11.4	Listed Buildings	0	0	0	-	-
84	11.5	Conservation Areas	0	0	0	-	-
84	11.6	Scheduled Ancient Monuments	0	0	0	-	-
84	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	Agricultural designations	On site	0-50m	50-250m	250-500m	500-2000m
85	<u>12.1</u>	<u>Agricultural Land Classification</u>	Grade 3 (within 250m)				
86	12.2	Open Access Land	0	0	0	-	-
86	12.3	Tree Felling Licences	0	0	0	-	-
86	12.4	Environmental Stewardship Schemes	0	0	0	-	-
86	<u>12.5</u>	<u>Countryside Stewardship Schemes</u>	1	0	1	-	-
Page	Section	Habitat designations	On site	0-50m	50-250m	250-500m	500-2000m
87	<u>13.1</u>	<u>Priority Habitat Inventory</u>	0	0	29	-	-
89	<u>13.2</u>	<u>Habitat Networks</u>	2	0	14	-	-
90	<u>13.3</u>	<u>Open Mosaic Habitat</u>	0	0	1	-	-
90	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
91	<u>14.1</u>	<u>10k Availability</u>	Identified (within 500m)				
92	<u>14.2</u>	<u>Artificial and made ground (10k)</u>	1	3	9	9	-
94	<u>14.3</u>	<u>Superficial geology (10k)</u>	1	1	2	2	-

<u>95</u>	<u>14.4</u>	<u>Landslip (10k)</u>	0	0	1	0	-
<u>96</u>	<u>14.5</u>	<u>Bedrock geology (10k)</u>	1	0	4	4	-
<u>97</u>	<u>14.6</u>	<u>Bedrock faults and other linear features (10k)</u>	1	0	4	3	-
Page	Section	Geology 1:50,000 scale	On site	0-50m	50-250m	250-500m	500-2000m
<u>98</u>	<u>15.1</u>	<u>50k Availability</u>	Identified (within 500m)				
<u>99</u>	<u>15.2</u>	<u>Artificial and made ground (50k)</u>	0	0	1	0	-
100	15.3	Artificial ground permeability (50k)	0	0	-	-	-
<u>101</u>	<u>15.4</u>	<u>Superficial geology (50k)</u>	1	1	2	1	-
<u>102</u>	<u>15.5</u>	<u>Superficial permeability (50k)</u>	Identified (within 50m)				
<u>102</u>	<u>15.6</u>	<u>Landslip (50k)</u>	0	0	1	0	-
102	15.7	Landslip permeability (50k)	None (within 50m)				
<u>103</u>	<u>15.8</u>	<u>Bedrock geology (50k)</u>	1	0	4	3	-
<u>104</u>	<u>15.9</u>	<u>Bedrock permeability (50k)</u>	Identified (within 50m)				
<u>104</u>	<u>15.10</u>	<u>Bedrock faults and other linear features (50k)</u>	1	0	4	2	-
Page	Section	Boreholes	On site	0-50m	50-250m	250-500m	500-2000m
<u>106</u>	<u>16.1</u>	<u>BGS Boreholes</u>	0	2	19	-	-
Page	Section	Natural ground subsidence					
<u>108</u>	<u>17.1</u>	<u>Shrink swell clays</u>	Low (within 50m)				
<u>109</u>	<u>17.2</u>	<u>Running sands</u>	Very low (within 50m)				
<u>110</u>	<u>17.3</u>	<u>Compressible deposits</u>	Negligible (within 50m)				
<u>111</u>	<u>17.4</u>	<u>Collapsible deposits</u>	Very low (within 50m)				
<u>112</u>	<u>17.5</u>	<u>Landslides</u>	Very low (within 50m)				
<u>113</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
115	18.1	Natural cavities	0	0	0	0	-
116	18.2	BritPits	0	0	0	0	-
<u>116</u>	<u>18.3</u>	<u>Surface ground workings</u>	0	0	51	-	-
118	18.4	Underground workings	0	0	0	0	0
118	18.5	Historical Mineral Planning Areas	0	0	0	0	-



118	18.6	Non-coal mining	0	0	0	0	0
119	18.7	Mining cavities	0	0	0	0	0
119	18.8	JPB mining areas	None (within 0m)				
119	18.9	<u>Coal mining</u>	Identified (within 0m)				
119	18.10	Brine areas	None (within 0m)				
120	18.11	Gypsum areas	None (within 0m)				
120	18.12	Tin mining	None (within 0m)				
120	18.13	Clay mining	None (within 0m)				
Page	Section	Radon					
121	19.1	<u>Radon</u>	Less than 1% (within 0m)				
Page	Section	Soil chemistry	On site	0-50m	50-250m	250-500m	500-2000m
122	20.1	<u>BGS Estimated Background Soil Chemistry</u>	4	3	-	-	-
122	20.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
123	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
124	21.1	Underground railways (London)	0	0	0	-	-
124	21.2	Underground railways (Non-London)	0	0	0	-	-
124	21.3	Railway tunnels	0	0	0	-	-
124	21.4	Historical railway and tunnel features	0	0	0	-	-
124	21.5	Royal Mail tunnels	0	0	0	-	-
125	21.6	Historical railways	0	0	0	-	-
125	21.7	Railways	0	0	0	-	-
125	21.8	Crossrail 1	0	0	0	0	-
125	21.9	Crossrail 2	0	0	0	0	-
125	21.10	HS2	0	0	0	0	-

Recent aerial photograph



Capture Date: 23/05/2019

Site Area: 1.56ha



Recent site history - 2015 aerial photograph



Capture Date: 11/06/2015

Site Area: 1.56ha



Recent site history - 2011 aerial photograph



Capture Date: 02/05/2011

Site Area: 1.56ha



Recent site history - 2000 aerial photograph

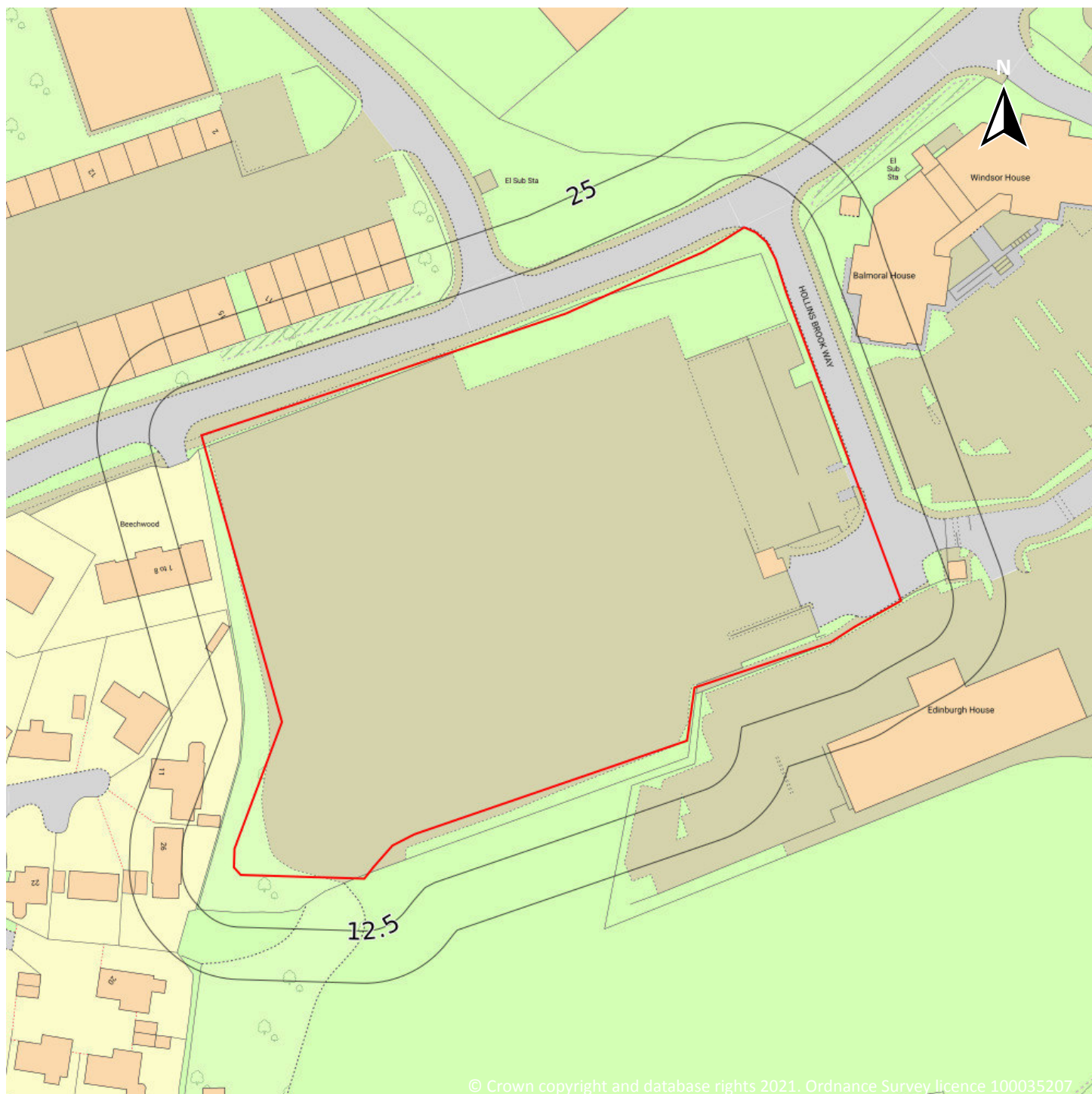


Capture Date: 27/06/2000

Site Area: 1.56ha



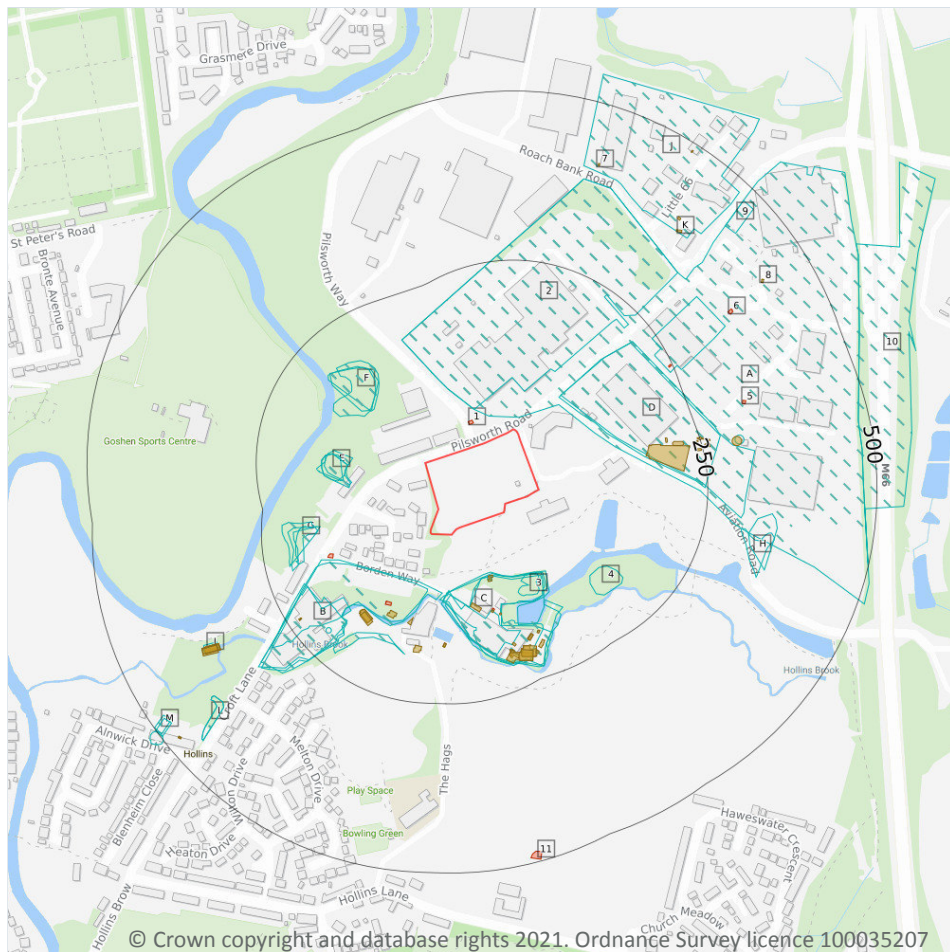
OS MasterMap site plan



Site Area: 1.56ha



1 Past land use



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

1.1 Historical industrial land uses

Records within 500m

42

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

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

ID	Location	Land use	Dates present	Group ID
A	18m N	Industrial Estate	1981	652314



ID	Location	Land use	Dates present	Group ID
2	52m NW	Unspecified Works	1974 - 1981	785140
B	73m S	Unspecified Works	1965 - 1981	715375
C	74m SE	Bleach Works	1955	709253
C	76m SE	Bleach Works	1908 - 1938	769160
B	77m S	Bleach Works	1908 - 1938	754782
C	78m SE	Bleach Works	1891	751282
C	78m SE	Print Works	1851	680238
D	80m NE	Unspecified Depot	1974	668815
C	81m SE	Unspecified Tank	1908 - 1955	788457
C	83m S	Unspecified Works	1965 - 1981	703498
D	84m NE	Unspecified Works	1981	679044
3	98m S	Unspecified Pits	1955	659193
E	108m W	Unspecified Ground Workings	1981	748975
F	110m NW	Unspecified Pit	1928 - 1938	778610
F	112m NW	Unspecified Ground Workings	1965 - 1981	710304
F	114m NW	Unspecified Pit	1955	770499
E	115m W	Unspecified Ground Workings	1965	749207
E	115m W	Unspecified Ground Workings	1974	790473
E	124m W	Refuse Heap	1938 - 1955	707055
4	145m SE	Unspecified Pit	1928 - 1938	776512
B	160m SW	Bleach Works	1851 - 1891	776179
B	163m SW	Unspecified Ground Workings	1908	648193
G	164m W	Unspecified Ground Workings	1908	704563
G	166m W	Unspecified Heap	1928 - 1965	697121
G	171m W	Unspecified Ground Workings	1981	763717
B	180m SW	Bleach Works	1955	775924
B	204m SW	Chimney	1965 - 1981	790152
A	233m NE	Unspecified Works	1981	679043



ID	Location	Land use	Dates present	Group ID
D	299m E	Unspecified Tank	1981	674830
H	305m E	Refuse Heap	1928	677975
H	317m E	Unspecified Pit	1965	691000
I	355m SW	Settling Tanks	1928 - 1955	711789
I	356m SW	Unspecified Tanks	1908	666449
J	376m NE	Unspecified Warehouse	1981	652383
L	396m SW	Unspecified Ground Workings	1938	721864
L	396m SW	Unspecified Ground Workings	1908	756602
9	433m NE	Unspecified Warehouse	1981	652407
M	473m SW	Filter Beds	1955	665792
M	475m SW	Sewage Filterbeds	1928 - 1938	729619
10	480m E	Cuttings	1981	767563
M	497m SW	Unspecified Pit	1928 - 1955	711126

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m	50
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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
C	81m S	Unspecified Tank	1956 - 1981	90320
C	85m SE	Unspecified Tank	1910 - 1937	91875
C	105m S	Unspecified Tank	1910	84666
C	126m SE	Unspecified Tank	1930 - 1937	94179
B	127m S	Tanks	1910	87160

ID	Location	Land use	Dates present	Group ID
B	128m SW	Unspecified Tank	1910 - 1995	101905
C	136m SE	Unspecified Tank	1985	84665
B	149m SW	Settling Tank	1956	78441
B	149m SW	Settling Tanks	1956	97771
B	151m SW	Settling Tanks	1930 - 1937	91990
B	160m S	Tanks	1956 - 1970	98911
B	161m S	Tanks	1995	91004
B	166m S	Unspecified Tank	1930 - 1995	92115
D	166m E	Settling Tanks	1969 - 1970	97252
C	181m S	Unspecified Tank	1910 - 1930	96799
C	182m S	Tanks	1956 - 1969	100717
C	183m S	Tanks	1956	90601
C	183m SE	Settling Tanks	1956	78165
C	190m SE	Settling Tanks	1956	93054
C	191m SE	Settling Tanks	1969	93434
C	195m SE	Tanks	1910	87159
C	195m SE	Settling Tanks	1956	93380
C	196m SE	Settling Tanks	1969	97948
C	196m S	Tanks	1910 - 1969	95803
C	198m SE	Settling Tanks	1930 - 1937	92251
D	201m E	Unspecified Tank	1969	84670
C	209m S	Unspecified Tank	1910	84663
D	209m E	Tanks	1981 - 1990	95466
B	229m SW	Unspecified Tank	1969	94596
B	229m SW	Unspecified Tank	1970 - 1995	98920
D	241m E	Unspecified Tank	1969 - 1970	96707
D	244m E	Settling Tank	1970	92711
D	244m E	Settling Tank	1969	89891



ID	Location	Land use	Dates present	Group ID
D	246m E	Tanks	1970	87163
D	253m E	Tanks	1969 - 1970	103099
D	257m E	Tanks	1969	87162
D	261m E	Tanks	1969	87161
D	295m E	Unspecified Tank	1981 - 1990	96537
I	353m SW	Settling Tanks	1956 - 1970	92172
I	354m SW	Settling Tanks	1995	90050
I	354m SW	Settling Tanks	1956 - 1969	102375
I	357m SW	Tanks	1910	87157
I	357m SW	Settling Tanks	1930 - 1937	95618
K	378m NE	Unspecified Tank	1980	84672
K	394m NE	Unspecified Tank	1980	84673
7	409m N	Unspecified Tank	1980	84671
8	423m NE	Unspecified Tank	1969 - 1970	99876
M	476m SW	Unspecified Tank	1956	93729
M	477m SW	Unspecified Tank	1956	98139
J	486m NE	Unspecified Tank	1980	84674

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m

8

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

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

ID	Location	Land use	Dates present	Group ID
1	33m N	Electricity Substation	1990	45662



ID	Location	Land use	Dates present	Group ID
B	117m SW	Electricity Substation	1956 - 1970	51228
C	124m SE	Electricity Substation	1996	54627
G	147m W	Electricity Substation	1983	45666
A	244m NE	Electricity Substation	1990	45661
5	327m E	Electricity Substation	1990	45664
6	359m NE	Electricity Substation	1990	45659
11	484m S	Electricity Substation	1988	45646

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

0

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'.

This data is sourced from Ordnance Survey / Groundsure.

1.6 Historical military land

Records within 500m

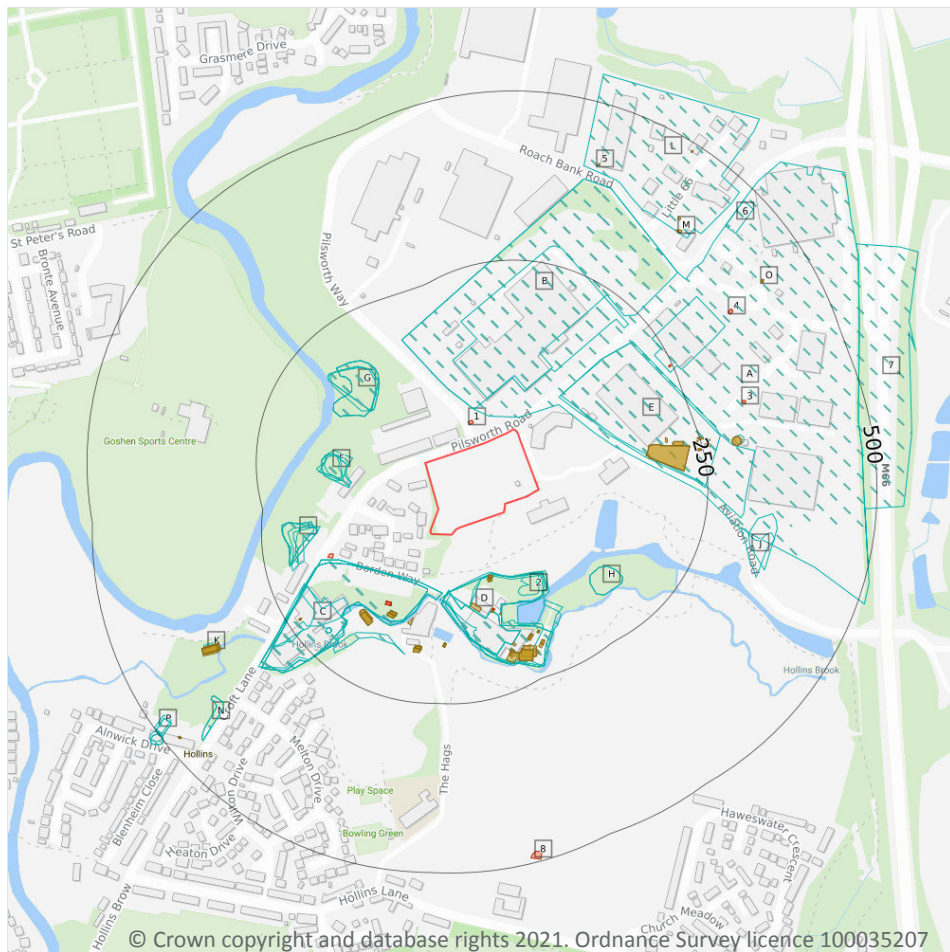
0

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

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



2 Past land use - un-grouped



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

2.1 Historical industrial land uses

Records within 500m

70

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 19**

ID	Location	Land Use	Date	Group ID
A	18m N	Industrial Estate	1981	652314
B	52m NW	Unspecified Works	1981	785140
B	59m N	Unspecified Works	1974	785140



ID	Location	Land Use	Date	Group ID
C	73m S	Unspecified Works	1981	715375
C	73m S	Unspecified Works	1974	715375
C	73m S	Unspecified Works	1965	715375
D	74m SE	Bleach Works	1955	709253
D	76m SE	Bleach Works	1938	769160
D	76m SE	Bleach Works	1928	769160
D	76m SE	Bleach Works	1908	769160
C	77m S	Bleach Works	1938	754782
C	77m S	Bleach Works	1928	754782
C	77m S	Bleach Works	1908	754782
D	78m SE	Bleach Works	1891	751282
D	78m SE	Print Works	1851	680238
E	80m NE	Unspecified Depot	1974	668815
D	81m SE	Unspecified Tank	1955	788457
D	83m S	Unspecified Works	1981	703498
D	83m S	Unspecified Works	1974	703498
D	83m S	Unspecified Works	1965	703498
D	84m SE	Unspecified Tank	1938	788457
D	84m SE	Unspecified Tank	1928	788457
D	84m SE	Unspecified Tank	1908	788457
E	84m NE	Unspecified Works	1981	679044
2	98m S	Unspecified Pits	1955	659193
F	108m W	Unspecified Ground Workings	1981	748975
G	110m NW	Unspecified Pit	1938	778610
G	110m NW	Unspecified Pit	1928	778610
G	112m NW	Unspecified Ground Workings	1981	710304
G	112m NW	Unspecified Ground Workings	1974	710304
G	112m NW	Unspecified Ground Workings	1965	710304



ID	Location	Land Use	Date	Group ID
G	114m NW	Unspecified Pit	1955	770499
F	115m W	Unspecified Ground Workings	1965	749207
F	115m W	Unspecified Ground Workings	1974	790473
F	124m W	Refuse Heap	1938	707055
F	125m W	Refuse Heap	1955	707055
H	145m SE	Unspecified Pit	1938	776512
H	145m SE	Unspecified Pit	1928	776512
C	160m SW	Bleach Works	1891	776179
C	163m SW	Unspecified Ground Workings	1908	648193
I	164m W	Unspecified Ground Workings	1908	704563
I	166m W	Unspecified Heap	1938	697121
I	166m W	Unspecified Heap	1928	697121
I	171m W	Unspecified Ground Workings	1981	763717
I	172m W	Unspecified Heap	1965	697121
I	172m W	Unspecified Heap	1955	697121
C	180m SW	Bleach Works	1955	775924
C	204m SW	Chimney	1981	790152
C	204m SW	Chimney	1974	790152
C	204m SW	Chimney	1965	790152
C	206m SW	Bleach Works	1851	776179
A	233m NE	Unspecified Works	1981	679043
E	299m E	Unspecified Tank	1981	674830
J	305m E	Refuse Heap	1928	677975
J	317m E	Unspecified Pit	1965	691000
K	355m SW	Settling Tanks	1955	711789
K	356m SW	Settling Tanks	1938	711789
K	356m SW	Settling Tanks	1928	711789
K	356m SW	Unspecified Tanks	1908	666449

ID	Location	Land Use	Date	Group ID
L	376m NE	Unspecified Warehouse	1981	652383
N	396m SW	Unspecified Ground Workings	1938	721864
N	396m SW	Unspecified Ground Workings	1908	756602
6	433m NE	Unspecified Warehouse	1981	652407
P	473m SW	Filter Beds	1955	665792
P	475m SW	Sewage Filterbeds	1938	729619
P	475m SW	Sewage Filterbeds	1928	729619
7	480m E	Cuttings	1981	767563
P	497m SW	Unspecified Pit	1955	711126
P	498m SW	Unspecified Pit	1938	711126
P	498m SW	Unspecified Pit	1928	711126

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m	88
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Tank features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on **page 19**

ID	Location	Land Use	Date	Group ID
D	81m S	Unspecified Tank	1956	90320
D	81m S	Unspecified Tank	1969	90320
D	81m S	Unspecified Tank	1981	90320
D	85m SE	Unspecified Tank	1910	91875
D	85m SE	Unspecified Tank	1930	91875
D	85m SE	Unspecified Tank	1937	91875
D	105m S	Unspecified Tank	1910	84666
D	126m SE	Unspecified Tank	1930	94179
D	126m SE	Unspecified Tank	1937	94179



ID	Location	Land Use	Date	Group ID
C	127m S	Tanks	1910	87160
C	128m SW	Unspecified Tank	1956	101905
C	128m SW	Unspecified Tank	1970	101905
C	128m SW	Unspecified Tank	1956	101905
C	128m SW	Unspecified Tank	1969	101905
C	128m SW	Unspecified Tank	1995	101905
C	133m SW	Unspecified Tank	1910	101905
C	133m SW	Unspecified Tank	1930	101905
C	133m SW	Unspecified Tank	1937	101905
D	136m SE	Unspecified Tank	1985	84665
C	149m SW	Settling Tank	1956	78441
C	149m SW	Settling Tanks	1956	97771
C	151m SW	Settling Tanks	1930	91990
C	151m SW	Settling Tanks	1937	91990
C	160m S	Tanks	1956	98911
C	160m S	Tanks	1970	98911
C	160m S	Tanks	1956	98911
C	160m S	Tanks	1969	98911
C	161m S	Tanks	1995	91004
C	166m S	Unspecified Tank	1956	92115
C	166m S	Unspecified Tank	1970	92115
E	166m E	Settling Tanks	1970	97252
C	167m S	Unspecified Tank	1956	92115
C	167m S	Unspecified Tank	1969	92115
C	167m S	Unspecified Tank	1995	92115
E	167m E	Settling Tanks	1969	97252
C	170m S	Unspecified Tank	1930	92115
C	170m S	Unspecified Tank	1937	92115

ID	Location	Land Use	Date	Group ID
D	181m S	Unspecified Tank	1910	96799
D	182m S	Unspecified Tank	1930	96799
D	182m S	Tanks	1956	100717
D	182m S	Tanks	1969	100717
D	183m S	Tanks	1956	90601
D	183m SE	Settling Tanks	1956	78165
D	190m SE	Settling Tanks	1956	93054
D	191m SE	Settling Tanks	1969	93434
D	191m SE	Settling Tanks	1956	93054
D	195m SE	Tanks	1910	87159
D	195m SE	Settling Tanks	1956	93380
D	196m SE	Settling Tanks	1969	97948
D	196m S	Tanks	1969	95803
D	196m S	Tanks	1956	95803
D	198m SE	Settling Tanks	1930	92251
D	198m SE	Settling Tanks	1937	92251
D	199m S	Tanks	1910	95803
E	201m E	Unspecified Tank	1969	84670
D	209m S	Unspecified Tank	1910	84663
E	209m E	Tanks	1990	95466
E	210m E	Tanks	1981	95466
C	229m SW	Unspecified Tank	1969	94596
C	229m SW	Unspecified Tank	1970	98920
C	230m SW	Unspecified Tank	1995	98920
E	241m E	Unspecified Tank	1969	96707
E	241m E	Unspecified Tank	1970	96707
E	244m E	Settling Tank	1970	92711
E	244m E	Settling Tank	1969	89891

ID	Location	Land Use	Date	Group ID
E	246m E	Tanks	1970	87163
E	253m E	Tanks	1969	103099
E	254m E	Tanks	1970	103099
E	257m E	Tanks	1969	87162
E	261m E	Tanks	1969	87161
E	295m E	Unspecified Tank	1990	96537
E	295m E	Unspecified Tank	1981	96537
K	353m SW	Settling Tanks	1956	92172
K	353m SW	Settling Tanks	1970	92172
K	354m SW	Settling Tanks	1995	90050
K	354m SW	Settling Tanks	1956	102375
K	354m SW	Settling Tanks	1969	102375
K	357m SW	Tanks	1910	87157
K	357m SW	Settling Tanks	1930	95618
K	357m SW	Settling Tanks	1937	95618
M	378m NE	Unspecified Tank	1980	84672
M	394m NE	Unspecified Tank	1980	84673
5	409m N	Unspecified Tank	1980	84671
O	423m NE	Unspecified Tank	1970	99876
O	423m NE	Unspecified Tank	1969	99876
P	476m SW	Unspecified Tank	1956	93729
P	477m SW	Unspecified Tank	1956	98139
L	486m NE	Unspecified Tank	1980	84674

This data is sourced from Ordnance Survey / Groundsure.



2.3 Historical energy features

Records within 500m

13

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 19**

ID	Location	Land Use	Date	Group ID
1	33m N	Electricity Substation	1990	45662
C	117m SW	Electricity Substation	1956	51228
C	117m SW	Electricity Substation	1970	51228
C	118m SW	Electricity Substation	1956	51228
C	118m SW	Electricity Substation	1969	51228
D	124m SE	Electricity Substation	1996	54627
D	124m SE	Electricity Substation	1996	54627
D	124m SE	Electricity Substation	1996	54627
I	147m W	Electricity Substation	1983	45666
A	244m NE	Electricity Substation	1990	45661
3	327m E	Electricity Substation	1990	45664
4	359m NE	Electricity Substation	1990	45659
8	484m S	Electricity Substation	1988	45646

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

0

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'.

This data is sourced from Ordnance Survey / Groundsure.



3.3 Historical landfill (LA/mapping records)

Records within 500m

0

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

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

3.4 Historical landfill (EA/NRW records)

Records within 500m

2

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 28**

ID	Location	Details		
A	156m NW	Site Address: Roach Bank, Off Roach Bank Road, Pilsworth, Bury, Greater Manchester Licence Holder Address: PO Box 54, Rydings Road, Rochdale	Waste Licence: Yes Site Reference: RD/LIC/697/91, GDO C095 Waste Type: Inert Environmental Permitting Regulations (Waste) Reference: NR1/L/PPL006 Licence Issue: 10/07/1991 Licence Surrender: 15/10/2002	Operator: Park Pit Landfill Limited Licence Holder: Park Pit Landfill Limited First Recorded 01/09/1991 Last Recorded: -
1	452m NW	Site Address: Goshen Playing Fields, Goshen Lane, Off Tennyson Avenue, Bury, Greater Manchester Licence Holder Address: Department of Engineering, Pinfold Lane, Whitefield	Waste Licence: Yes Site Reference: RD/LIC/407/85,C 019 Waste Type: Inert, Industrial Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 31/01/1986 Licence Surrender: 21/01/1988	Operator: - Licence Holder: Bury Metropolitan Borough Council First Recorded 01/02/1986 Last Recorded: 31/12/1987

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

3.5 Historical waste sites

Records within 500m

0

Waste site records derived from Local Authority planning records and high detail historical mapping.

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



3.6 Licensed waste sites

Records within 500m

1

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

Features are displayed on the Waste and landfill map on **page 28**

ID	Location	Details		
A	396m NW	Site Name: Pilsworth Inert Landfill Site Site Address: Roach Bank Road, Pilsworth, Bury, Lancashire, BL9 Correspondence Address: -	Type of Site: Landfill taking Non-Biodegradable Wastes Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: PPL006 EPR reference: EA/EPR/JP3296CW/S002 Operator: Park Pit Landfill Ltd. Waste Management licence No: 53891 Annual Tonnage: 150000	Issue Date: 10/07/1991 Effective Date: - Modified: - Surrendered Date: Oct 15 2002 12:00AM Expiry Date: - Cancelled Date: - Status: Surrendered

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

3.7 Waste exemptions

Records within 500m

10

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 28**

ID	Location	Site	Reference	Category	Sub-Category	Description
B	236m SW	Unit 4, Hollins Vale, Bury, Lancashire, BL9 8QG	WEX239599	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
B	262m SW	-	WEX258728	Storing waste exemption	Not on a farm	Storage of waste in a secure place
B	282m SW	Unit 4 Croft Lane Industrial Estate, Hollins Vale, Pilsworth, Bury, BL9 8QG	WEX000311	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
B	282m SW	Unit 4 Hollins Vale BURY Lancashire BL9 8QG	EPR/XH0116D L/A001	Treating waste exemption	Non-Agricultural Waste Only	Preparatory treatments (baling, sorting, shredding etc)

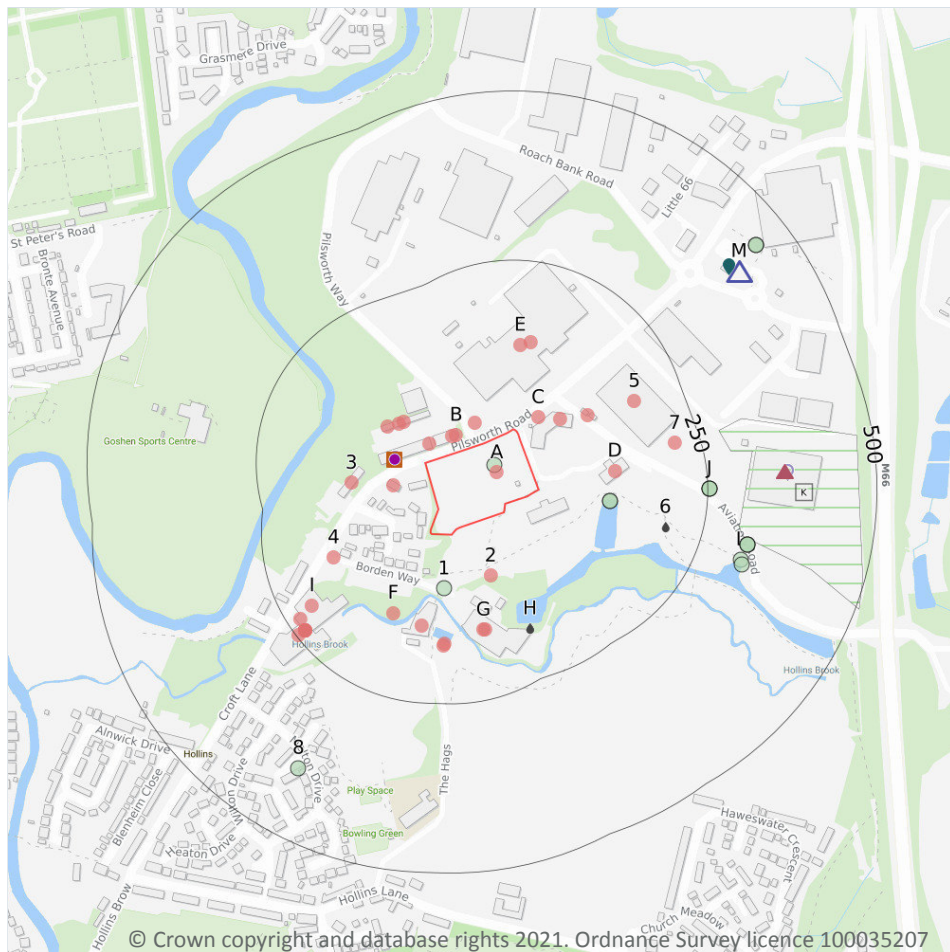


ID	Location	Site	Reference	Category	Sub-Category	Description
B	282m SW	Unit 4 Hollins Vale BURY Lancashire BL9 8QG	EPR/UF0938D A/A001	Treating waste exemption	Non- Agricultural Waste Only	Preparatory treatments (baling, sorting, shredding etc)
C	326m N	UNIT 3, ROACH BANK ROAD, BURY, BL9 8RY	WEX161182	Storing waste exemption	Not on a Farm	Storage of waste in secure containers
C	326m N	UNIT 3, ROACH BANK ROAD, BURY, BL9 8RY	WEX161182	Treating waste exemption	Not on a Farm	Preparatory treatments (baling, sorting, shredding etc)
D	326m NE	PARK 66 RETAIL PARK, PILSWORTH ROAD, BURY, BL9 8RS	WEX116824	Treating waste exemption	Not on a farm	Screening and blending of waste
D	326m NE	PARK 66 RETAIL PARK, PILSWORTH ROAD, BURY, BL9 8RS	WEX116824	Using waste exemption	Not on a farm	Use of waste in construction
2	459m S	Land at Sabden Fold Farm Sabden Fold Lancashire BB12 9LS	EPR/BF0834RL /A001	Using waste exemption	Non- Agricultural Waste Only	Use of waste in construction

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
- 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)
- Pollution inventory substances
- Pollution inventory waste transfers

4.1 Recent industrial land uses

Records within 250m

36

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on **page 32**

ID	Location	Company	Address	Activity	Category
A	On site	Sunbelt Rentals Ltd	Hollins Brook Way, Bury, Greater Manchester, BL9 8RR	Construction and Tool Hire	Hire Services
B	25m N	Bury Repro Design & Digital Print Ltd	Unit 18, Plisworth Way, Bury, Greater Manchester, BL9 8RE	Published Goods	Industrial Products



ID	Location	Company	Address	Activity	Category
B	25m N	T X L Products Ltd	Unit 15, Pilsworth Way, Bury, Greater Manchester, BL9 8RE	Colours, Chemicals and Water Softeners and Supplies	Industrial Products
B	26m N	Direct Hydraulics Ltd	Unit 3, Pilsworth Way, Bury, Greater Manchester, BL9 8RE	Industrial Repairs and Servicing	Repair and Servicing
B	33m N	Electricity Sub Station	Greater Manchester, BL9	Electrical Features	Infrastructure and Facilities
C	38m NE	Electricity Sub Station	Greater Manchester, BL9	Electrical Features	Infrastructure and Facilities
B	54m W	Old Barn Garage	Pilsworth Road, Bury, Greater Manchester, BL9 8RP	Vehicle Repair, Testing and Servicing	Repair and Servicing
C	66m E	Lex Auto Lease Ltd	Windsor House, Hollins Brook Way, Bury, Greater Manchester, BL9 8RT	Vehicle Hire and Rental	Hire Services
B	69m NW	S M E Stairlifts	Unit 14, Pilsworth Way, Bury, Greater Manchester, BL9 8RE	Disability and Mobility Equipment	Consumer Products
B	70m NW	Clutch & Flywheel	Unit 16, Pilsworth Way, Bury, Greater Manchester, BL9 8RE	Vehicle Parts and Accessories	Motoring
B	77m NW	Mr Flue Ltd	Unit 22, Pilsworth Way, Bury, Greater Manchester, BL9 8RE	Industrial Repairs and Servicing	Repair and Servicing
2	82m S	Tank	Greater Manchester, BL9	Tanks (Generic)	Industrial Features
C	106m E	Electricity Sub Station	Greater Manchester, BL9	Electrical Features	Infrastructure and Facilities
3	113m W	Spire North Manchester Clinic	137, Croft Lane, Bury, Greater Manchester, BL9 8QA	Hospitals	Health Practitioners and Establishments
D	116m E	Bidfood	Warwick House, Hollins Brook Way, Bury, Greater Manchester, BL9 8RR	Catering and Non Specific Food Products	Foodstuffs
E	125m N	Albany Internationa l	Park 66, Pilsworth Road, Bury, Greater Manchester, BL9 8RS	Textiles, Fabrics, Silk and Machinery	Industrial Products
F	130m SW	Tank	Greater Manchester, BL9	Tanks (Generic)	Industrial Features
E	131m N	Works	Greater Manchester, BL9	Unspecified Works Or Factories	Industrial Features
F	136m S	Works	Greater Manchester, BL9	Unspecified Works Or Factories	Industrial Features



ID	Location	Company	Address	Activity	Category
4	148m W	Electricity Sub Station	Greater Manchester, BL9	Electrical Features	Infrastructure and Facilities
G	148m S	Carvansons	Carvansons Hollins Vale Works, The Hags, Bury, Greater Manchester, BL9 8QG	Colours, Chemicals and Water Softeners and Supplies	Industrial Products
G	148m S	Hollins Vale Works	Greater Manchester, BL9	Unspecified Works Or Factories	Industrial Features
F	162m S	Tank	Greater Manchester, BL9	Tanks (Generic)	Industrial Features
F	164m S	Tank	Greater Manchester, BL9	Tanks (Generic)	Industrial Features
5	178m E	P P S Commercial s Ltd	Pps Commercials, Pilsworth Road, Bury, Greater Manchester, BL9 8RR	Vehicle Bodybuilders	Industrial Products
I	206m SW	Works	Greater Manchester, BL9	Unspecified Works Or Factories	Industrial Features
7	213m E	Tank	Greater Manchester, BL9	Tanks (Generic)	Industrial Features
I	231m SW	Tank	Greater Manchester, BL9	Tanks (Generic)	Industrial Features
I	235m SW	M & R Windows Ltd	Unit 7 Croft Industrial Estate, Hollins Vale, Bury, Greater Manchester, BL9 8QG	General Construction Supplies	Industrial Products
I	235m SW	Bury Fabrications Ltd	Unit 3 Croft Industrial Estate, Hollins Vale, Bury, Greater Manchester, BL9 8QG	Metals Manufacturers, Fabricators and Stockholders	Industrial Products
I	235m SW	Weeshred Ltd	Unit 4 Croft Lane Industrial Estate, Croft Lane, Bury, Greater Manchester, BL9 8QG	Recycling, Reclamation and Disposal	Recycling Services
I	235m SW	T & M Motors	Unit 14 Croft Industrial Estate, Hollins Vale, Bury, Greater Manchester, BL9 8QG	Vehicle Repair, Testing and Servicing	Repair and Servicing
I	235m SW	Carmen Autos	Unit 2 Croft Industrial Estate, Hollins Vale, Bury, Greater Manchester, BL9 8QG	Vehicle Repair, Testing and Servicing	Repair and Servicing
I	235m SW	Fosters Light Freight	Unit 11 Croft Industrial Estate, Hollins Vale, Bury, Greater Manchester, BL9 8QG	Distribution and Haulage	Transport, Storage and Delivery
I	235m SW	Heath's	Unit 12b Croft Lane Industrial Estate, Croft Lane, Bury, Greater Manchester, BL9 8QG	Vehicle Parts and Accessories	Motoring
I	247m SW	Croft Industrial Estate	Greater Manchester, BL9	Business Parks and Industrial Estates	Industrial Features

This data is sourced from Ordnance Survey.



4.2 Current or recent petrol stations

Records within 500m

1

Open, closed, under development and obsolete petrol stations.

Features are displayed on the Current industrial land use map on **page 32**

ID	Location	Company	Address	LPG	Status
M	405m NE	ASDA	Pilsworth Road, Pilsworth Industrial Estate, Bury, Greater Manchester, BL9 8RS	No	Open

This data is sourced from Experian.

4.3 Electricity cables

Records within 500m

0

High voltage underground electricity transmission cables.

This data is sourced from National Grid.

4.4 Gas pipelines

Records within 500m

0

High pressure underground gas transmission pipelines.

This data is sourced from National Grid.

4.5 Sites determined as Contaminated Land

Records within 500m

0

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

This data is sourced from Local Authority records.

4.6 Control of Major Accident Hazards (COMAH)

Records within 500m

1

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 32**

ID	Location	Company	Address	Operational status	Tier
K	280m E	Holchem Laboratories Limited	Holchem Laboratories Limited, Pilsworth/Bury, M66 Trading Estate, Pilsworth Road, Pilsworth, Bury, Lancashire, BL9 8RD	Current COMAH Site	COMAH Upper Tier Operator

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

1

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 32**

ID	Location	Details	
K	364m E	Application reference number: 55049 Application status: Approved Application date: 04/04/2012 Address: Holchem Laboratories Ltd, M66 Trading Estate, Pilsworth Road, Pilsworth, Bury, Lancashire, England, BL9 8RD	Details: Hazardous substances consent: Storage of LPG; Diesel; Detergents/Disinfectants Part B2; Oxidising Agents Part B3 (49 Tonnes); Flammable Part B6 (R10) agents (45 tonnes) and Flammable Part B8 (R11) agents 20 Tonne 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

23

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 32**

ID	Location	Details	
B	45m W	Operator: VIRIDOR WASTE MANAGEMENT LTD Installation Name: - Process: WASTE LANDFILLING; >10 T/D WITH CAPACITY >25,000T EXCLUDING INERT WASTE Permit Number: BU9068 Original Permit Number: BU9068	EPR Reference: - Issue Date: 06/05/2004 Effective Date: 06/05/2004 Last date noted as effective: 01/10/2004 Status: SUPERSEDED BY PAS
B	45m W	Operator: VIRIDOR WASTE MANAGEMENT LTD Installation Name: - Process: WASTE LANDFILLING; >10 T/D WITH CAPACITY >25,000T EXCLUDING INERT WASTE Permit Number: BS7951 Original Permit Number: BS7951	EPR Reference: - Issue Date: - Effective Date: - Last date noted as effective: 01/10/2004 Status: SUPERSEDED BY PAS
B	45m W	Operator: VIRIDOR WASTE MANAGEMENT LTD Installation Name: PILSWORTH NORTH LANDFILL SITE Process: OTHER WASTE DISPOSAL; NON-HAZARDOUS WASTE >50T/D BY BIOLOGICAL TREATMENT Permit Number: CP3134SN Original Permit Number: BU9068IM	EPR Reference: - Issue Date: 17/05/2006 Effective Date: 17/05/2006 Last date noted as effective: 01/07/2021 Status: SUPERCEDED
B	45m W	Operator: VIRIDOR WASTE MANAGEMENT LTD Installation Name: PILSWORTH NORTH LANDFILL SITE EPR/BU9068IM Process: DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING BIOLOGICAL TREATMENT Permit Number: VP3039AQ Original Permit Number: BU9068IM	EPR Reference: - Issue Date: 21/10/2015 Effective Date: 21/10/2015 Last date noted as effective: 01/07/2021 Status: SUPERCEDED
B	45m W	Operator: VIRIDOR WASTE MANAGEMENT LTD Installation Name: PILSWORTH NORTH LANDFILL SITE Process: WASTE LANDFILLING; >10 T/D WITH CAPACITY >25,000T EXCLUDING INERT WASTE Permit Number: VP3039NC Original Permit Number: BU9068IM	EPR Reference: - Issue Date: 29/05/2013 Effective Date: 29/05/2013 Last date noted as effective: 01/07/2021 Status: SUPERCEDED



ID	Location	Details	
B	45m W	Operator: VIRIDOR WASTE MANAGEMENT LTD Installation Name: PILSWORTH NORTH LANDFILL SITE EPR/BU9068IM Process: WASTE LANDFILLING; >10 T/D WITH CAPACITY >25,000T EXCLUDING INERT WASTE Permit Number: XP3306PZ Original Permit Number: BU9068IM	EPR Reference: - Issue Date: 21/05/2020 Effective Date: 21/05/2020 Last date noted as effective: 01/07/2021 Status: SUPERCEDED
B	45m W	Operator: VIRIDOR WASTE MANAGEMENT LTD Installation Name: PILSWORTH NORTH LANDFILL SITE Process: CREATED BY IED - DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING BIOLOGICAL TREATMENT Permit Number: VP3039NC Original Permit Number: BU9068IM	EPR Reference: - Issue Date: 29/05/2013 Effective Date: 29/05/2013 Last date noted as effective: 01/07/2013 Status: EFFECTIVE
B	45m W	Operator: VIRIDOR WASTE MANAGEMENT LTD Installation Name: PILSWORTH NORTH LANDFILL SITE Process: COMBUSTION; WASTE DERIVED FUEL 3MW Permit Number: CP3134SN Original Permit Number: BU9068IM	EPR Reference: - Issue Date: 17/05/2006 Effective Date: 17/05/2006 Last date noted as effective: 01/07/2021 Status: SUPERCEDED
B	45m W	Operator: VIRIDOR WASTE MANAGEMENT LTD Installation Name: PILSWORTH NORTH LANDFILL SITE Process: ASSOCIATED PROCESS Permit Number: VP3039NC Original Permit Number: BU9068IM	EPR Reference: - Issue Date: 29/05/2013 Effective Date: 29/05/2013 Last date noted as effective: 01/07/2021 Status: SUPERCEDED
B	45m W	Operator: VIRIDOR WASTE MANAGEMENT LTD Installation Name: PILSWORTH NORTH LANDFILL SITE Process: DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING BIOLOGICAL TREATMENT Permit Number: VP3039NC Original Permit Number: BU9068IM	EPR Reference: - Issue Date: 29/05/2013 Effective Date: 29/05/2013 Last date noted as effective: 01/07/2021 Status: SUPERCEDED
B	45m W	Operator: VIRIDOR WASTE MANAGEMENT LTD Installation Name: PILSWORTH NORTH LANDFILL SITE Process: WASTE LANDFILLING; >10 T/D WITH CAPACITY >25,000T EXCLUDING INERT WASTE Permit Number: CP3134SN Original Permit Number: BU9068IM	EPR Reference: - Issue Date: 17/05/2006 Effective Date: 17/05/2006 Last date noted as effective: 01/07/2021 Status: SUPERCEDED
B	45m W	Operator: VIRIDOR WASTE MANAGEMENT LTD Installation Name: PILSWORTH NORTH LANDFILL SITE EPR/BU9068IM Process: ASSOCIATED PROCESS Permit Number: VP3039AQ Original Permit Number: BU9068IM	EPR Reference: - Issue Date: 21/10/2015 Effective Date: 21/10/2015 Last date noted as effective: 01/07/2021 Status: SUPERCEDED



ID	Location	Details	
B	45m W	Operator: VIRIDOR WASTE MANAGEMENT LTD Installation Name: PILSWORTH NORTH LANDFILL SITE Process: COMBUSTION; WASTE DERIVED FUEL 3MW Permit Number: YP3536HZ Original Permit Number: BU9068IM	EPR Reference: - Issue Date: 30/03/2011 Effective Date: 30/03/2011 Last date noted as effective: 01/07/2021 Status: SUPERCEDED
B	45m W	Operator: VIRIDOR WASTE MANAGEMENT LTD Installation Name: PILSWORTH NORTH LANDFILL SITE Process: OTHER WASTE DISPOSAL; NON-HAZARDOUS WASTE >50T/D BY BIOLOGICAL TREATMENT Permit Number: YP3536HZ Original Permit Number: BU9068IM	EPR Reference: - Issue Date: 30/03/2011 Effective Date: 30/03/2011 Last date noted as effective: 01/07/2021 Status: SUPERCEDED
B	45m W	Operator: VIRIDOR WASTE MANAGEMENT LTD Installation Name: PILSWORTH NORTH LANDFILL SITE Process: WASTE LANDFILLING; >10 T/D WITH CAPACITY >25,000T EXCLUDING INERT WASTE Permit Number: YP3536HZ Original Permit Number: BU9068IM	EPR Reference: - Issue Date: 30/03/2011 Effective Date: 30/03/2011 Last date noted as effective: 01/07/2021 Status: SUPERCEDED
B	45m W	Operator: VIRIDOR WASTE MANAGEMENT LTD Installation Name: PILSWORTH NORTH LANDFILL SITE Process: WASTE LANDFILLING; >10 T/D WITH CAPACITY >25,000T EXCLUDING INERT WASTE Permit Number: BU9068IM Original Permit Number: BU9068IM	EPR Reference: - Issue Date: 06/05/2004 Effective Date: 06/05/2004 Last date noted as effective: 01/07/2021 Status: SUPERCEDED
B	45m W	Operator: VIRIDOR WASTE MANAGEMENT LTD Installation Name: PILSWORTH NORTH LANDFILL SITE EPR/BU9068IM Process: WASTE LANDFILLING; >10 T/D WITH CAPACITY >25,000T EXCLUDING INERT WASTE Permit Number: VP3039AQ Original Permit Number: BU9068IM	EPR Reference: - Issue Date: 21/10/2015 Effective Date: 21/10/2015 Last date noted as effective: 01/07/2021 Status: SUPERCEDED
B	45m W	Operator: VIRIDOR WASTE MANAGEMENT LTD Installation Name: PILSWORTH NORTH LANDFILL SITE EPR/BU9068IM Process: ASSOCIATED PROCESS Permit Number: XP3306PZ Original Permit Number: BU9068IM	EPR Reference: - Issue Date: 21/05/2020 Effective Date: 21/05/2020 Last date noted as effective: 01/07/2021 Status: SUPERCEDED
B	45m W	Operator: VIRIDOR WASTE MANAGEMENT LTD Installation Name: PILSWORTH NORTH LANDFILL SITE EPR/BU9068IM Process: DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING BIOLOGICAL TREATMENT Permit Number: XP3306PZ Original Permit Number: BU9068IM	EPR Reference: - Issue Date: 21/05/2020 Effective Date: 21/05/2020 Last date noted as effective: 01/07/2021 Status: SUPERCEDED



ID	Location	Details	
K	367m E	Operator: HOLCHEM LABORATORIES LTD Installation Name: PILSWORTH SURFACTANTS FACILITY EPR/NP3434CE Process: ORGANIC CHEMICALS; ANY OTHER ORGANIC COMPOUNDS (NOT DESCRIBED 4.1 A(1)(A)) Permit Number: NP3434CE Original Permit Number: NP3434CE	EPR Reference: - Issue Date: 04/07/2012 Effective Date: 04/07/2012 Last date noted as effective: 01/07/2021 Status: SUPERCEDED
K	367m E	Operator: HOLCHEM LABORATORIES LTD Installation Name: PILSWORTH SURFACTANTS FACILITY EPR/NP3434CE Process: ASSOCIATED PROCESS Permit Number: FP3331EB Original Permit Number: NP3434CE	EPR Reference: - Issue Date: 05/03/2014 Effective Date: 05/03/2014 Last date noted as effective: 01/07/2021 Status: EFFECTIVE
K	367m E	Operator: HOLCHEM LABORATORIES LTD Installation Name: PILSWORTH SURFACTANTS FACILITY EPR/NP3434CE Process: ORGANIC CHEMICALS; SURFACE-ACTIVE AGENTS Permit Number: FP3331EB Original Permit Number: NP3434CE	EPR Reference: - Issue Date: 05/03/2014 Effective Date: 05/03/2014 Last date noted as effective: 01/07/2021 Status: EFFECTIVE
K	367m E	Operator: HOLCHEM LABORATORIES LTD Installation Name: PILSWORTH SURFACTANTS FACILITY EPR/NP3434CE Process: ORGANIC CHEMICALS; SURFACE-ACTIVE AGENTS Permit Number: NP3434CE Original Permit Number: NP3434CE	EPR Reference: - Issue Date: 04/07/2012 Effective Date: 04/07/2012 Last date noted as effective: 01/07/2021 Status: SUPERCEDED

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

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

Records within 500m

1

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 32**

ID	Location	Address	Details	
M	397m NE	Asda Pilsworth Petrol Filling Station, Pilsworth Road, Pilsworth Industrial Estate, BL9 8RS	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

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

5

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 32**

ID	Location	Address	Details	
H	174m S	HOLLINS VALE WORKS, HOLLINS VALE WORKS, CROFT LANE, BURY, LANCASHIRE	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: 0166/194 Permit Version: 1 Receiving Water: HOLLINS BROOK	Status: REVOKED - UNSPECIFIED Issue date: - Effective Date: 01/04/1991 Revocation Date: 31/12/1994
H	174m S	HOLLINS VALE WORKS, HOLLINS VALE WORKS, CROFT LANE, BURY, LANCASHIRE	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: 0166/194 Permit Version: 2 Receiving Water: HOLLINS BROOK	Status: REVOKED UNDER EPR 2010 Issue date: - Effective Date: 01/01/1995 Revocation Date: 25/03/2015
H	174m S	HOLLINS VALE WORKS, HOLLINS VALE WORKS, CROFT LANE, BURY, LANCASHIRE	Effluent Type: TRADE DISCHARGES - PROCESS EFFLUENT - NOT WATER COMPANY Permit Number: 0172/1687 Permit Version: 1 Receiving Water: HOLLIN BROOK	Status: REVOKED - UNSPECIFIED Issue date: - Effective Date: 01/04/1991 Revocation Date: 31/12/1994
H	174m S	HOLLINS VALE WORKS, HOLLINS VALE WORKS, CROFT LANE, BURY, LANCASHIRE	Effluent Type: TRADE DISCHARGES - COOLING WATER Permit Number: 0172/1687 Permit Version: 2 Receiving Water: HOLLIN BROOK	Status: SURRENDERED UNDER EPR 2010 Issue date: - Effective Date: 01/01/1995 Revocation Date: 02/04/2015
6	195m E	CASTLE BROOK BUSINESS PARK PS, PILSWORTH RD/CASTLE RD, PILSWORTH, BURY, GREATER MANCHESTER	Effluent Type: SEWAGE DISCHARGES - PUMPING STATION - NOT WATER COMPANY Permit Number: 016993334 Permit Version: 1 Receiving Water: SURF WATER DRAIN TO HOLLINS BK	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 19/03/1999 Effective Date: 19/03/1999 Revocation Date: -

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

4.14 Pollutant release to surface waters (Red List)

Records within 500m

0

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

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

4.15 Pollutant release to public sewer

Records within 500m

1

Discharges of Special Category Effluents to the public sewer.

Features are displayed on the Current industrial land use map on **page 32**

ID	Location	Address	Details	
B	45m W	VIRIDOR WASTE MANAGEMENT LTD, PILSWORTH ROAD, PILSWORTH ROAD, BURY, LANCASHIRE, BL9 8QZ	Permission reference: BX2124 Local Authority: BURY METROPOLITAN BOROUGH COUNCIL First received date: 01/07/2004	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

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

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

4.17 List 2 Dangerous Substances

Records within 500m

0

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

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



4.18 Pollution Incidents (EA/NRW)

Records within 500m

15

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 32**

ID	Location	Details	
A	On site	Incident Date: 18/07/2003 Incident Identification: 174905 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Landfill Odour	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
1	79m S	Incident Date: 19/06/2003 Incident Identification: 167095 Pollutant: General Biodegradable Materials and Wastes Pollutant Description: Other General Biodegradable Material or Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
D	107m E	Incident Date: 09/09/2014 Incident Identification: 1275768 Pollutant: Other Pollutant Pollutant Description: Microbiological	Water Impact: Category 2 (Significant) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
D	107m E	Incident Date: 09/09/2014 Incident Identification: 1275768 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)
J	252m E	Incident Date: 13/08/2002 Incident Identification: 99896 Pollutant: Specific Waste Materials: Specific Waste Materials Pollutant Description: Asbestos: Household Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
J	252m E	Incident Date: 13/08/2002 Incident Identification: 99896 Pollutant: Specific Waste Materials Pollutant Description: Asbestos	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
J	252m E	Incident Date: 13/08/2002 Incident Identification: 99896 Pollutant: Specific Waste Materials Pollutant Description: Household Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
L	316m E	Incident Date: 19/05/2003 Incident Identification: 159428 Pollutant: Oils and Fuel Pollutant Description: Gas and Fuel Oils	Water Impact: Category 2 (Significant) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)



ID	Location	Details	
L	318m E	Incident Date: 10/02/2003 Incident Identification: 136066 Pollutant: Specific Waste Materials Pollutant Description: Asbestos	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
L	318m E	Incident Date: 10/02/2003 Incident Identification: 136066 Pollutant: Specific Waste Materials Pollutant Description: Household Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
L	318m E	Incident Date: 10/02/2003 Incident Identification: 136066 Pollutant: Specific Waste Materials: Specific Waste Materials Pollutant Description: Asbestos: Household Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
L	320m E	Incident Date: 01/04/2003 Incident Identification: 147787 Pollutant: Oils and Fuel Pollutant Description: Gas and Fuel Oils	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
8	397m SW	Incident Date: 24/08/2001 Incident Identification: 26452 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Landfill Odour	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
M	447m NE	Incident Date: 20/09/2001 Incident Identification: 31759 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Landfill Odour	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
M	447m NE	Incident Date: 20/09/2001 Incident Identification: 31759 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Landfill Odour	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)

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

4.19 Pollution inventory substances

Records within 500m

6

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.

Features are displayed on the Current industrial land use map on **page 32**



ID: B, Location: 46m W, Permit: BU9068IM
 Operator: Viridor Waste Management Limited
 Activity: WASTE LANDFILLING; >10 T/D WITH CAPACITY >25,000T EXCLUDING INERT WASTE
 Address: Pilsworth North Landfill Site Pilsworth Road Bury Lancashire BL9 8QZ
 Sector: Landfill, Sub-sector: Non Hazardous Landfill
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Methane	10000kg	275000kg

ID: B, Location: 46m W, Permit: BU9068IM
 Operator: Viridor Waste Management Limited
 Activity: WASTE LANDFILLING; >10 T/D WITH CAPACITY >25,000T EXCLUDING INERT WASTE
 Address: Pilsworth North Landfill Site Pilsworth Road Bury Lancashire BL9 8QZ
 Sector: Landfill, Sub-sector: Non Hazardous Landfill
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Wastewater	Arsenic	5kg	Below Reporting Threshold
Air	Benzene	1000kg	Below Reporting Threshold
Air	Benzo(a)pyrene	1kg	Below Reporting Threshold
Air	Butadiene (1,3-Butadiene)	100kg	Below Reporting Threshold
Wastewater	Cadmium	1kg	Below Reporting Threshold
Air	Carbon tetrachloride (Tetrachloromethane)	10kg	Below Reporting Threshold
Wastewater	Chlorides - as Cl	2000000kg	Below Reporting Threshold
Air	Chlorine and inorganic chlorine compounds - as HCl	10000kg	Below Reporting Threshold
Air	Chloroform (Trichloromethane)	100kg	Below Reporting Threshold
Wastewater	Chromium	20kg	Below Reporting Threshold
Wastewater	Copper	20kg	Below Reporting Threshold
Wastewater	Cyanides - as CN	50kg	Below Reporting Threshold
Air	Dichloromethane (DCM) (Methylene chloride)	1000kg	Below Reporting Threshold
Wastewater	Ethyl benzene	10kg	Below Reporting Threshold
Air	Ethylene dichloride (1,2-Dichloroethane)	1000kg	Below Reporting Threshold
Air	Hexachlorocyclohexane (HCH) -all isomers	1kg	Below Reporting Threshold



Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Hydrofluorocarbons (HFCs)	100kg	Below Reporting Threshold
Wastewater	Iron	1000kg	Below Reporting Threshold
Wastewater	Lead	20kg	Below Reporting Threshold
Wastewater	Mercury	0.1kg	Below Reporting Threshold
Air	Methyl chloroform (1,1,1-Trichloroethane)	10kg	Below Reporting Threshold
Wastewater	Nickel	20kg	Below Reporting Threshold
Wastewater	Nitrogen - as total N	50000kg	Below Reporting Threshold
Air	Nitrogen oxides (NO and NO2) as NO2	100000kg	Below Reporting Threshold
Air	Non-methane volatile organic compounds (NMVOCs)	10000kg	Below Reporting Threshold
Wastewater	Organotin compounds - as Sn	5kg	Below Reporting Threshold
Air	Particulate matter - PM10	1000kg	Below Reporting Threshold
Air	Perfluorocarbons (PFCs)	10kg	Below Reporting Threshold
Air	Sulphur oxides (SO2 and SO3) as SO2	100000kg	Below Reporting Threshold
Air	Tetrachloroethane (1,1,2,2-Tetrachloroethane)	10kg	Below Reporting Threshold
Air	Tetrachloroethylene (PER)	100kg	Below Reporting Threshold
Air	Trichlorobenzene - all isomers	1kg	Below Reporting Threshold
Air	Trichloroethylene	1000kg	Below Reporting Threshold
Air	Vinyl chloride	1000kg	Below Reporting Threshold
Wastewater	Zinc	100kg	Below Reporting Threshold

ID: B, Location: 46m W, Permit: BU9068IM
 Operator: Viridor Waste Management Limited
 Activity: WASTE LANDFILLING; >10 T/D WITH CAPACITY >25,000T EXCLUDING INERT WASTE
 Address: Pilsworth North Landfill Site Pilsworth Road Bury Lancashire BL9 8QZ
 Sector: Landfill, Sub-sector: Non Hazardous Landfill
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Carbon dioxide	10000000kg	43500000kg
Air	Carbon Dioxide From Qualifying Renewable Fuel Sources	0kg	43500000kg



ID: B, Location: 46m W, Permit: BU9068IM
 Operator: Viridor Waste Management Limited
 Activity: WASTE LANDFILLING; >10 T/D WITH CAPACITY >25,000T EXCLUDING INERT WASTE
 Address: Pilsworth North Landfill Site Pilsworth Road Bury Lancashire BL9 8QZ
 Sector: Landfill, Sub-sector: Non Hazardous Landfill
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Carbon monoxide	100000kg	194000kg

ID: B, Location: 46m W, Permit: BU9068IM
 Operator: Viridor Waste Management Limited
 Activity: WASTE LANDFILLING; >10 T/D WITH CAPACITY >25,000T EXCLUDING INERT WASTE
 Address: Pilsworth North Landfill Site Pilsworth Road Bury Lancashire BL9 8QZ
 Sector: Landfill, Sub-sector: Non Hazardous Landfill
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Hydrochlorofluorocarbons (HCFCs)	1kg	2.43kg

ID: B, Location: 46m W, Permit: BU9068IM
 Operator: Viridor Waste Management Limited
 Activity: WASTE LANDFILLING; >10 T/D WITH CAPACITY >25,000T EXCLUDING INERT WASTE
 Address: Pilsworth North Landfill Site Pilsworth Road Bury Lancashire BL9 8QZ
 Sector: Landfill, Sub-sector: Non Hazardous Landfill
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Chlorofluorocarbons (CFCs)	1kg	5.58kg

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

4.20 Pollution inventory waste transfers

Records within 500m

1

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

Features are displayed on the Current industrial land use map on **page 32**



ID: B, Location: 46m W, Permit: BU9068IM
 Operator: Viridor Waste Management Limited
 Activity: WASTE LANDFILLING; >10 T/D WITH CAPACITY >25,000T EXCLUDING INERT WASTE
 Address: Pilsworth North Landfill Site Pilsworth Road Bury Lancashire BL9 8QZ
 Sector: Landfill, Sub-sector: Non Hazardous Landfill
 Releases:

Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D8	Biological treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numbers D1 to D12	9	Absolute Value	20 03 04	septic tank sludge	No
R9	Oil e-refining or other reuses of oil	49.3	Absolute Value	13 02 05	mineral-based non-chlorinated engine, gear and lubricating oils	Yes
R9	Oil e-refining or other reuses of oil	6.14	Absolute Value	13 05 06	oil from oil/water separators	Yes
R9	Oil e-refining or other reuses of oil	2.73	Absolute Value	15 02 02	absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances	Yes
R9	Oil e-refining or other reuses of oil	4.26	Absolute Value	16 01 14	antifreeze fluids containing dangerous substances	Yes

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

4.21 Pollution inventory radioactive waste

Records within 500m

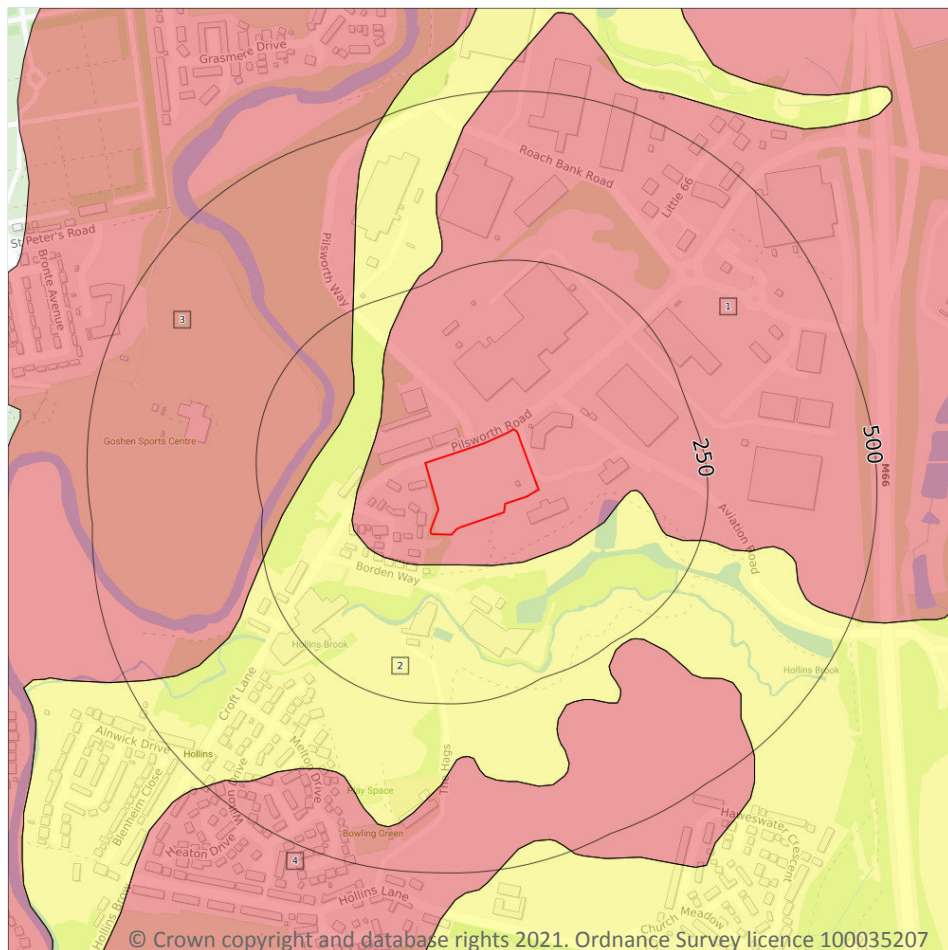
0

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

4

Aquifer status of groundwater held within superficial geology.

Features are displayed on the Hydrogeology map on **page 49**

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
2	45m S	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type

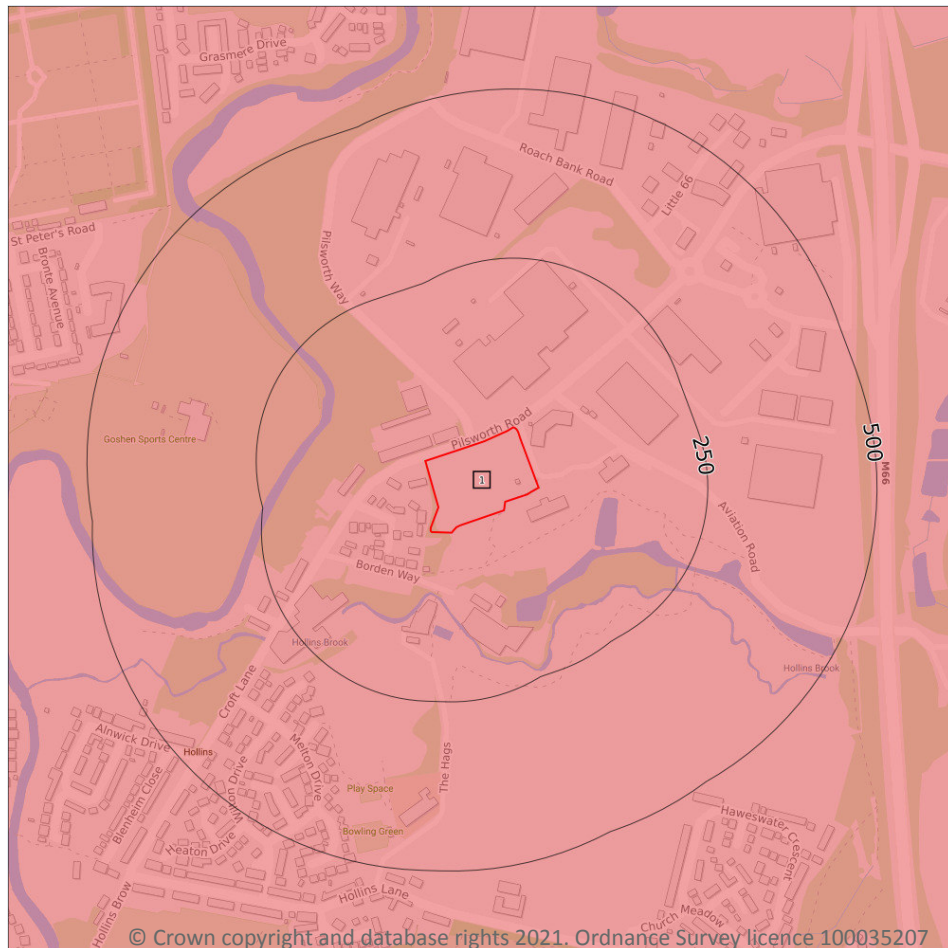


ID	Location	Designation	Description
3	139m NW	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
4	260m SE	Secondary 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.

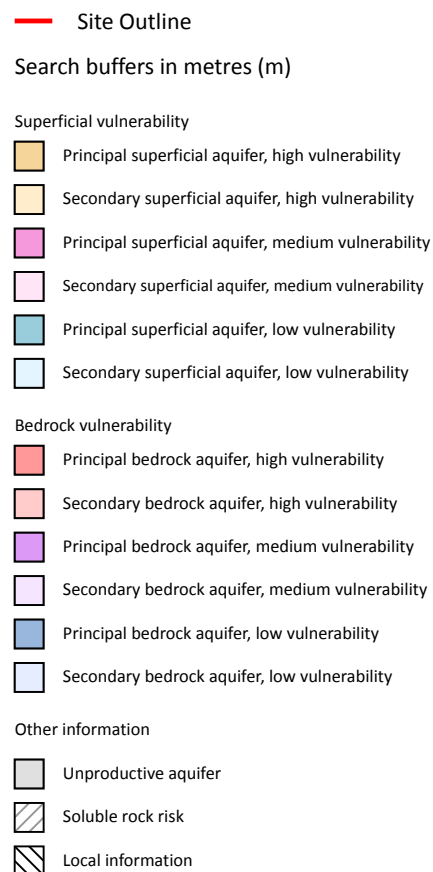
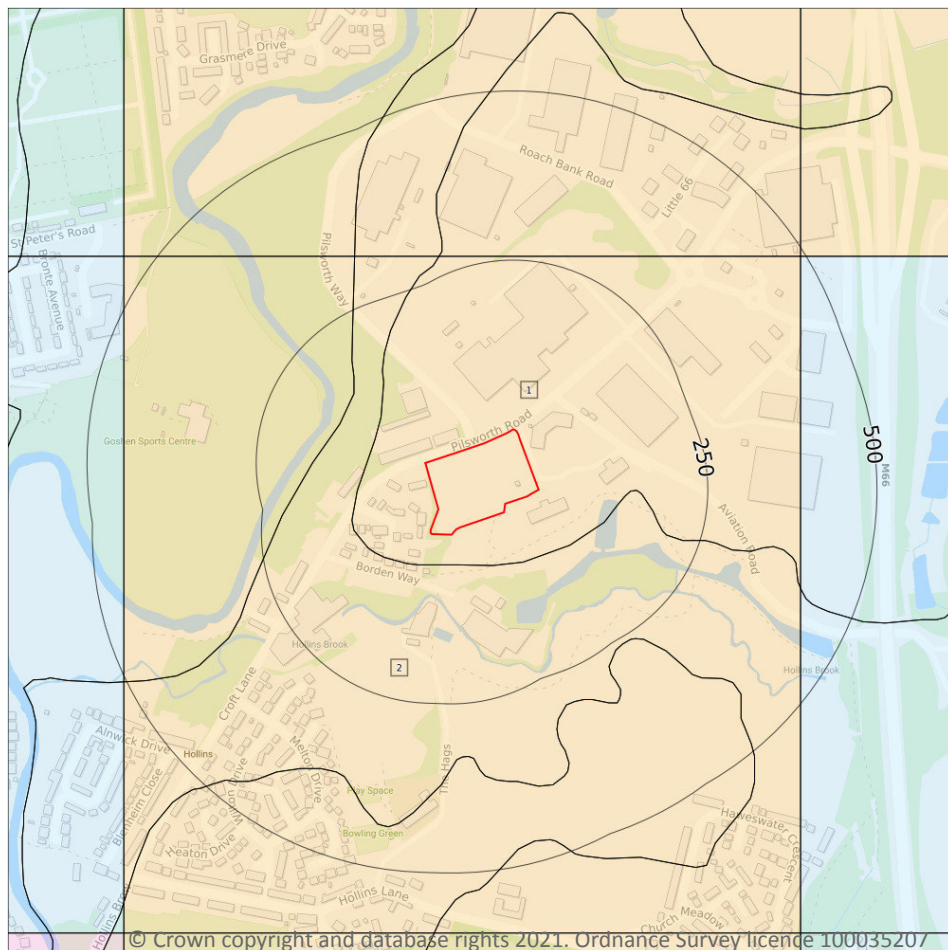
Features are displayed on the Bedrock aquifer map on **page 51**

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

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



Groundwater vulnerability



5.3 Groundwater vulnerability

Records within 50m

2

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 52**

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: Low	Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures
2	44m S	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: Low	Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures

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

5.4 Groundwater vulnerability- soluble rock risk

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

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

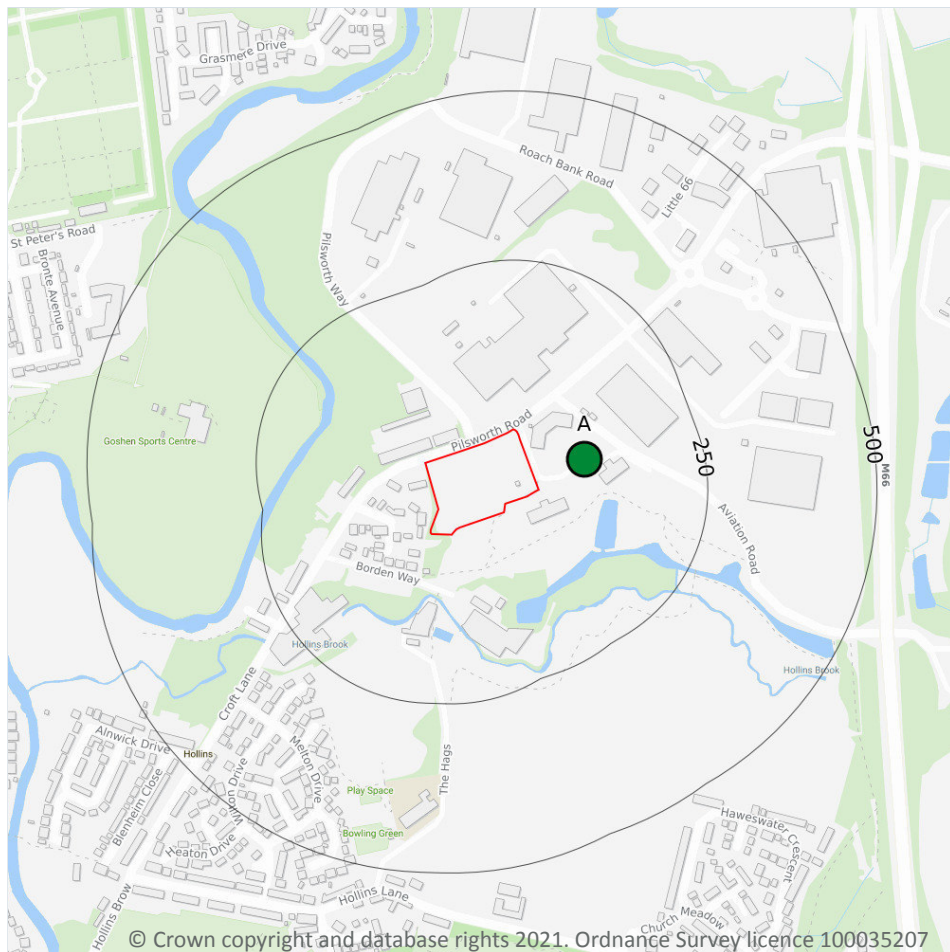
5.5 Groundwater vulnerability- local information

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

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

Abstractions and Source Protection Zones



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

5.6 Groundwater abstractions

Records within 2000m

25

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

Features are displayed on the Abstractions and Source Protection Zones map on **page 54**



ID	Location	Details	
A	78m E	Status: Historical Licence No: 2569002272 Details: "Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services" Direct Source: Ground Water - North West Region Point: "BOREHOLE AT PREMISES, PILSWORTH, BURY" Data Type: Point Name: CASTLEBROOK WATER CO. LTD Easting: 381680 Northing: 408700	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 10/04/2000 Expiry Date: - Issue No: 3 Version Start Date: 10/09/2002 Version End Date: -
A	78m E	Status: Historical Licence No: 2569002272 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Ground Water - North West Region Point: BOREHOLE AT PREMISES, PILSWORTH, BURY Data Type: Point Name: CASTLEBROOK WATER CO. LTD Easting: 381680 Northing: 408700	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 10/04/2000 Expiry Date: - Issue No: 3 Version Start Date: 10/09/2002 Version End Date: -
-	764m E	Status: Active Licence No: NW/069/0002/013 Details: Dewatering Direct Source: Ground Water - North West Region Point: SUMP 'A' AT PILSWORTH LANDFILL SITE, PILSWORTH ROAD, BURY Data Type: Point Name: Viridor Waste Management Ltd Easting: 382340 Northing: 408890	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 31/03/2021 Expiry Date: 31/03/2027 Issue No: 1 Version Start Date: 31/03/2021 Version End Date: -
-	981m N	Status: Historical Licence No: 2569002063 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: "WELL AT WATER FARM, HEAP BRIDGE, BURY" Data Type: Point Name: FISH Easting: 381800 Northing: 409700	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 14/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 14/02/1966 Version End Date: -



ID	Location	Details	
-	981m N	Status: Historical Licence No: 2569002063 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: WELL AT WATER FARM, HEAP BRIDGE, BURY Data Type: Point Name: FISH Easting: 381800 Northing: 409700	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 14/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 14/02/1966 Version End Date: -
-	987m E	Status: Active Licence No: NW/069/0002/013 Details: Dewatering Direct Source: Ground Water - North West Region Point: SUMP 'B' AT PILSWORTH LANDFILL SITE, PILSWORTH ROAD, BURY Data Type: Poly4 Name: Viridor Waste Management Ltd Easting: 383250 Northing: 409380	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 31/03/2021 Expiry Date: 31/03/2027 Issue No: 1 Version Start Date: 31/03/2021 Version End Date: -
-	1007m W	Status: Historical Licence No: 2569001258 Details: Pollution Remediation Direct Source: Ground Water - North West Region Point: "WELL POINT SYSTEM AT MANCHESTER ROAD, BURY" Data Type: Point Name: TOTALFINAELF UK LTD Easting: 380450 Northing: 408850	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 12/06/2002 Expiry Date: - Issue No: 1 Version Start Date: 12/06/2002 Version End Date: -
-	1007m W	Status: Historical Licence No: 2569001258 Details: Pollution Remediation Direct Source: Ground Water - North West Region Point: WELL POINT SYSTEM AT MANCHESTER ROAD, BURY Data Type: Point Name: TOTALFINAELF UK LTD Easting: 380450 Northing: 408850	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 12/06/2002 Expiry Date: - Issue No: 1 Version Start Date: 12/06/2002 Version End Date: -



ID	Location	Details	
-	1039m SW	Status: Historical Licence No: 2569002264 Details: Spray Irrigation - Direct Direct Source: Ground Water - North West Region Point: "A BOREHOLE AT BURY GOLF CLUB, BLACKFORD BRIDGE, BURY" Data Type: Point Name: BURY GOLF CLUB Easting: 380970 Northing: 407670	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 17/04/1997 Expiry Date: 16-Apr-07 Issue No: 100 Version Start Date: 17/04/1997 Version End Date: -
-	1039m SW	Status: Historical Licence No: 2569002264 Details: Spray Irrigation - Direct Direct Source: Ground Water - North West Region Point: A BOREHOLE AT BURY GOLF CLUB, BLACKFORD BRIDGE, BURY Data Type: Point Name: RAYMOND ADAMS Easting: 380970 Northing: 407670	Annual Volume (m ³): 9000 Max Daily Volume (m ³): 55 Original Application No: - Original Start Date: 17/04/1997 Expiry Date: 16/04/2007 Issue No: 101 Version Start Date: 27/01/2004 Version End Date: 16/04/2007
-	1039m SW	Status: Historical Licence No: 2569002264R1 Details: Spray Irrigation - Direct Direct Source: Ground Water - North West Region Point: A BOREHOLE AT BURY GOLF CLUB, BLACKFORD BRIDGE, BURY Data Type: Point Name: RAYMOND ADAMS Easting: 380970 Northing: 407670	Annual Volume (m ³): 7000 Max Daily Volume (m ³): 50 Original Application No: - Original Start Date: 01/06/2007 Expiry Date: 31/03/2015 Issue No: 1 Version Start Date: 01/04/2008 Version End Date: -
-	1040m SW	Status: Historical Licence No: 2569002264R1 Details: Spray Irrigation - Direct Direct Source: Ground Water - North West Region Point: A BOREHOLE AT BURY GOLF CLUB, BLACKFORD BRIDGE, BURY Data Type: Point Name: RAYMOND ADAMS Easting: 380963 Northing: 407673	Annual Volume (m ³): 7000 Max Daily Volume (m ³): 50 Original Application No: - Original Start Date: 01/06/2007 Expiry Date: 31/03/2015 Issue No: 1 Version Start Date: 01/04/2008 Version End Date: -

ID	Location	Details	
-	1040m SW	Status: Active Licence No: 2569002264R02 Details: Spray Irrigation - Direct Direct Source: Ground Water - North West Region Point: A BOREHOLE AT BURY GOLF CLUB, BLACKFORD BRIDGE, BURY Data Type: Point Name: Bury Golf Club Limited Easting: 380963 Northing: 407673	Annual Volume (m ³): 7,000 Max Daily Volume (m ³): 50 Original Application No: - Original Start Date: 01/04/2015 Expiry Date: 31/03/2027 Issue No: 1 Version Start Date: 01/04/2015 Version End Date: -
-	1420m N	Status: Historical Licence No: 2569002085 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: "WELL AT WATERFOLD FARM, HEAP BRIDGE, NEAR BURY" Data Type: Point Name: WILKINSON Easting: 382000 Northing: 410100	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 15/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 15/02/1966 Version End Date: -
-	1420m N	Status: Historical Licence No: 2569002085 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: WELL AT WATERFOLD FARM, HEAP BRIDGE, NEAR BURY Data Type: Point Name: WILKINSON Easting: 382000 Northing: 410100	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 15/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 15/02/1966 Version End Date: -
-	1625m NE	Status: Historical Licence No: 2569002059 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: "WELL AT SPOUT BANK FARM, HEAP BRIDGEBURY, LANCASHIRE" Data Type: Point Name: FISH Easting: 382300 Northing: 410200	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 15/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 15/02/1966 Version End Date: -



ID	Location	Details	
-	1625m NE	Status: Historical Licence No: 2569002059 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: WELL AT SPOUT BANK FARM, HEAP BRIDGEBURY, LANCASHIRE Data Type: Point Name: FISH Easting: 382300 Northing: 410200	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 15/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 15/02/1966 Version End Date: -
-	1942m SE	Status: Historical Licence No: 2569002273 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: BOREHOLE AT HILLS LANE UNSWORTH BURY Data Type: Point Name: MR R MONAGHAN MR H ADAMS MR G RYAN MR P BRADLEY Easting: 382600 Northing: 406980	Annual Volume (m ³): 8000 Max Daily Volume (m ³): 100 Original Application No: - Original Start Date: 08/07/2005 Expiry Date: 31/03/2014 Issue No: 3 Version Start Date: 21/12/2007 Version End Date: -
-	1942m SE	Status: Historical Licence No: 2569002273 Details: Spray Irrigation - Direct Direct Source: Ground Water - North West Region Point: BOREHOLE AT HILLS LANE UNSWORTH BURY Data Type: Point Name: MR R MONAGHAN MR H ADAMS MR G RYAN MR P BRADLEY Easting: 382600 Northing: 406980	Annual Volume (m ³): 8000 Max Daily Volume (m ³): 100 Original Application No: - Original Start Date: 08/07/2005 Expiry Date: 31/03/2014 Issue No: 3 Version Start Date: 21/12/2007 Version End Date: -
-	1972m SE	Status: Historical Licence No: 2569002273 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: BOREHOLE AT HILLS LANE UNSWORTH BURY Data Type: Point Name: MR RAY MONAGHAN MR HARRY ADAMS MR GED RYAN MR PAUL BRADLEY Easting: 382647 Northing: 406975	Annual Volume (m ³): 8000 Max Daily Volume (m ³): 100 Original Application No: - Original Start Date: 08/07/2005 Expiry Date: 31/03/2014 Issue No: 3 Version Start Date: 21/12/2007 Version End Date: -

ID	Location	Details	
-	1972m SE	Status: Historical Licence No: 2569002273 Details: Spray Irrigation - Direct Direct Source: Ground Water - North West Region Point: BOREHOLE AT HILLS LANE UNSWORTH BURY Data Type: Point Name: MR RAY MONAGHAN MR HARRY ADAMS MR GED RYAN MR PAUL BRADLEY Easting: 382647 Northing: 406975	Annual Volume (m ³): 8000 Max Daily Volume (m ³): 100 Original Application No: - Original Start Date: 08/07/2005 Expiry Date: 31/03/2014 Issue No: 3 Version Start Date: 21/12/2007 Version End Date: -
-	1972m SE	Status: Historical Licence No: 2569002273R01 Details: Spray Irrigation - Direct Direct Source: Ground Water - North West Region Point: BOREHOLE AT HILLS LANE UNSWORTH BURY Data Type: Point Name: MR RAY MONAGHAN MR HARRY ADAMS MR GED RYAN MR PAUL BRADLEY Easting: 382647 Northing: 406975	Annual Volume (m ³): 8000 Max Daily Volume (m ³): 100 Original Application No: - Original Start Date: 01/04/2014 Expiry Date: 31/03/2027 Issue No: 1 Version Start Date: 01/04/2014 Version End Date: -
-	1972m SE	Status: Historical Licence No: 2569002273R01 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: BOREHOLE AT HILLS LANE UNSWORTH BURY Data Type: Point Name: MR RAY MONAGHAN MR HARRY ADAMS MR GED RYAN MR PAUL BRADLEY Easting: 382647 Northing: 406975	Annual Volume (m ³): 8000 Max Daily Volume (m ³): 100 Original Application No: - Original Start Date: 01/04/2014 Expiry Date: 31/03/2027 Issue No: 1 Version Start Date: 01/04/2014 Version End Date: -
-	1972m SE	Status: Active Licence No: 2569002273/R01 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: BOREHOLE AT HILLS LANE UNSWORTH BURY Data Type: Point Name: MR RAY MONAGHAN MR HARRY ADAMS MR GED RYAN MR PAUL BRADLEY Easting: 382647 Northing: 406975	Annual Volume (m ³): 8,000 Max Daily Volume (m ³): 200 Original Application No: - Original Start Date: 01/04/2014 Expiry Date: 31/03/2027 Issue No: 1 Version Start Date: 01/04/2014 Version End Date: -

ID	Location	Details	
-	1972m SE	Status: Active Licence No: 2569002273/R01 Details: Spray Irrigation - Direct Direct Source: Ground Water - North West Region Point: BOREHOLE AT HILLS LANE UNSWORTH BURY Data Type: Point Name: MR RAY MONAGHAN MR HARRY ADAMS MR GED RYAN MR PAUL BRADLEY Easting: 382647 Northing: 406975	Annual Volume (m ³): 8,000 Max Daily Volume (m ³): 200 Original Application No: - Original Start Date: 01/04/2014 Expiry Date: 31/03/2027 Issue No: 1 Version Start Date: 01/04/2014 Version End Date: -

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

5.7 Surface water abstractions

Records within 2000m	13
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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 54**

ID	Location	Details	
-	955m E	Status: Historical Licence No: 2569002088 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: "Surface, Non-Tidal - North West Region" Point: "BRIGHTLEY& WHITTLE BRKS @ THEIR CONFLUENCE, ABOVE WEIR, BURY" Data Type: Point Name: BORDEN CHEMICAL U K LTD Easting: 382500 Northing: 408300	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 16/03/1966 Expiry Date: - Issue No: 100 Version Start Date: 16/05/1996 Version End Date: -
-	955m E	Status: Historical Licence No: 2569002088 Details: General Washing/Process Washing Direct Source: "Surface, Non-Tidal - North West Region" Point: "BRIGHTLEY& WHITTLE BRKS @ THEIR CONFLUENCE, ABOVE WEIR, BURY" Data Type: Point Name: BORDEN CHEMICAL U K LTD Easting: 382500 Northing: 408300	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 16/03/1966 Expiry Date: - Issue No: 100 Version Start Date: 16/05/1996 Version End Date: -

ID	Location	Details	
-	955m E	Status: Historical Licence No: 2569002088 Details: Process water Direct Source: "Surface, Non-Tidal - North West Region" Point: "BRIGHTLEY& WHITTLE BRKS @ THEIR CONFLUENCE, ABOVE WEIR, BURY" Data Type: Point Name: BORDEN CHEMICAL U K LTD Easting: 382500 Northing: 408300	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 16/03/1966 Expiry Date: - Issue No: 100 Version Start Date: 16/05/1996 Version End Date: -
-	955m E	Status: Historical Licence No: 2569002088 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Surface, Non-Tidal - North West Region Point: BRIGHTLEY& WHITTLE BRKS @ THEIR CONFLUENCE, ABOVE WEIR, BURY Data Type: Point Name: HEXION SPECIALITY CHEMICALS UK TD Easting: 382500 Northing: 408300	Annual Volume (m ³): 118198 Max Daily Volume (m ³): 681.9 Original Application No: - Original Start Date: 16/03/1966 Expiry Date: - Issue No: 101 Version Start Date: 01/07/2005 Version End Date: -
-	955m E	Status: Historical Licence No: 2569002088 Details: General Washing/Process Washing Direct Source: Surface, Non-Tidal - North West Region Point: BRIGHTLEY& WHITTLE BRKS @ THEIR CONFLUENCE, ABOVE WEIR, BURY Data Type: Point Name: HEXION SPECIALITY CHEMICALS UK TD Easting: 382500 Northing: 408300	Annual Volume (m ³): 118198 Max Daily Volume (m ³): 681.9 Original Application No: - Original Start Date: 16/03/1966 Expiry Date: - Issue No: 101 Version Start Date: 01/07/2005 Version End Date: -
-	955m E	Status: Historical Licence No: 2569002088 Details: Process Water Direct Source: Surface, Non-Tidal - North West Region Point: BRIGHTLEY& WHITTLE BRKS @ THEIR CONFLUENCE, ABOVE WEIR, BURY Data Type: Point Name: HEXION SPECIALITY CHEMICALS UK TD Easting: 382500 Northing: 408300	Annual Volume (m ³): 118198 Max Daily Volume (m ³): 681.9 Original Application No: - Original Start Date: 16/03/1966 Expiry Date: - Issue No: 101 Version Start Date: 01/07/2005 Version End Date: -



ID	Location	Details	
-	1445m W	Status: Historical Licence No: 2569001245 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: "Surface, Non-Tidal - North West Region" Point: "RIVER IRWELL AT RADCLIFFE, MANCHESTER" Data Type: Point Name: UNIFI DYED YARNS LTD Easting: 380000 Northing: 408700	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 23/11/1993 Expiry Date: - Issue No: 101 Version Start Date: 01/03/2000 Version End Date: -
-	1445m W	Status: Historical Licence No: 2569001245 Details: Process water Direct Source: "Surface, Non-Tidal - North West Region" Point: "RIVER IRWELL AT RADCLIFFE, MANCHESTER" Data Type: Point Name: UNIFI DYED YARNS LTD Easting: 380000 Northing: 408700	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 23/11/1993 Expiry Date: - Issue No: 101 Version Start Date: 01/03/2000 Version End Date: -
-	1445m W	Status: Historical Licence No: 2569001245 Details: Boiler Feed Direct Source: "Surface, Non-Tidal - North West Region" Point: "RIVER IRWELL AT RADCLIFFE, MANCHESTER" Data Type: Point Name: UNIFI DYED YARNS LTD Easting: 380000 Northing: 408700	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 23/11/1993 Expiry Date: - Issue No: 101 Version Start Date: 01/03/2000 Version End Date: -
-	1445m W	Status: Historical Licence No: 2569001245 Details: Boiler Feed Direct Source: Surface, Non-Tidal - North West Region Point: RIVER IRWELL AT RADCLIFFE, MANCHESTER Data Type: Point Name: UNIFI DYED YARNS LTD Easting: 380000 Northing: 408700	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 23/11/1993 Expiry Date: - Issue No: 101 Version Start Date: 01/03/2000 Version End Date: -

ID	Location	Details	
-	1445m W	Status: Historical Licence No: 2569001245 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Surface, Non-Tidal - North West Region Point: RIVER IRWELL AT RADCLIFFE, MANCHESTER Data Type: Point Name: UNIFI DYED YARNS LTD Easting: 380000 Northing: 408700	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 23/11/1993 Expiry Date: - Issue No: 101 Version Start Date: 01/03/2000 Version End Date: -
-	1445m W	Status: Historical Licence No: 2569001245 Details: Process water Direct Source: Surface, Non-Tidal - North West Region Point: RIVER IRWELL AT RADCLIFFE, MANCHESTER Data Type: Point Name: UNIFI DYED YARNS LTD Easting: 380000 Northing: 408700	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 23/11/1993 Expiry Date: - Issue No: 101 Version Start Date: 01/03/2000 Version End Date: -
-	1866m W	Status: Active Licence No: NW/069/0001/004 Details: Hydroelectric Power Generation Direct Source: Surface, Non-Tidal - North West Region Point: RIVER IRWELL AT BEALEY'S WEIR Data Type: Point Name: Resolution Hydro Limited Easting: 379607 Northing: 409015	Annual Volume (m ³): 80,000,000 Max Daily Volume (m ³): 259,200 Original Application No: - Original Start Date: 20/12/2010 Expiry Date: 31/03/2027 Issue No: 1 Version Start Date: 01/04/2019 Version End Date: -

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

5.8 Potable abstractions

Records within 2000m

2

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.

Features are displayed on the Abstractions and Source Protection Zones map on **page 54**



ID	Location	Details	
A	78m E	Status: Historical Licence No: 2569002272 Details: "Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services" Direct Source: Ground Water - North West Region Point: "BOREHOLE AT PREMISES, PILSWORTH, BURY" Data Type: Point Name: CASTLEBROOK WATER CO. LTD Easting: 381680 Northing: 408700	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 10/04/2000 Expiry Date: - Issue No: 3 Version Start Date: 10/09/2002 Version End Date: -
A	78m E	Status: Historical Licence No: 2569002272 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Ground Water - North West Region Point: BOREHOLE AT PREMISES, PILSWORTH, BURY Data Type: Point Name: CASTLEBROOK WATER CO. LTD Easting: 381680 Northing: 408700	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 10/04/2000 Expiry Date: - Issue No: 3 Version Start Date: 10/09/2002 Version End Date: -

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

5.9 Source Protection Zones

Records within 500m

0

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

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

5.10 Source Protection Zones (confined aquifer)

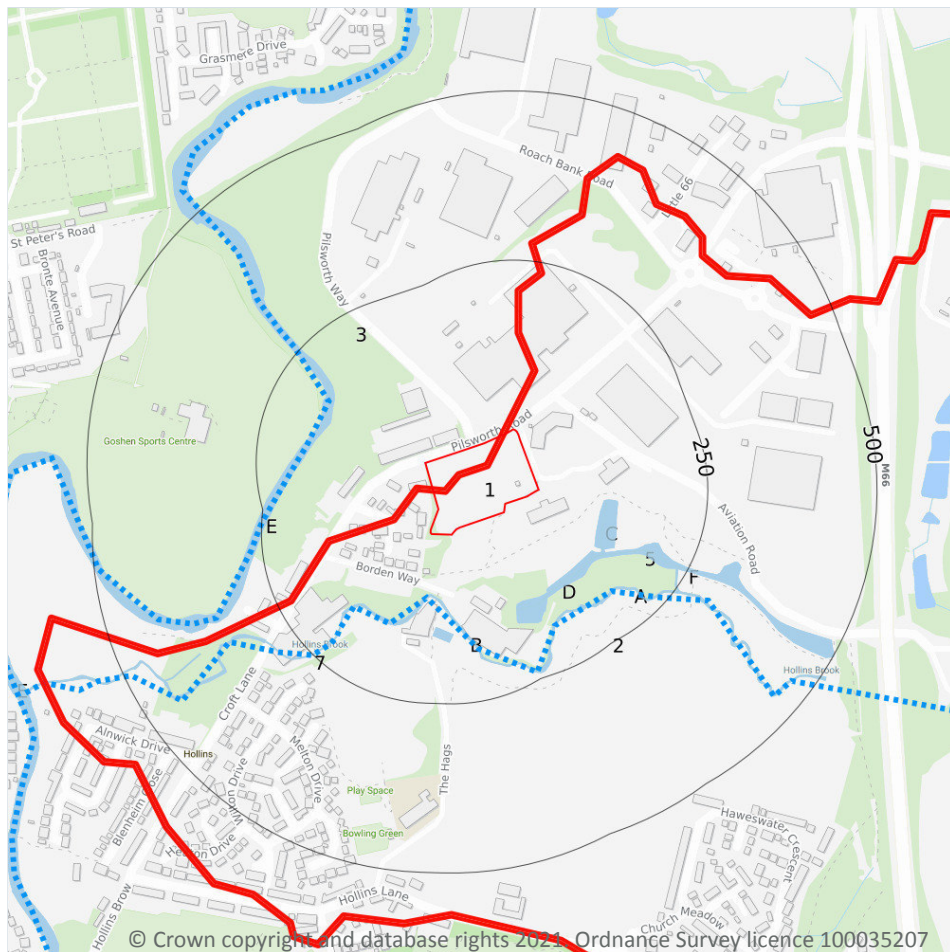
Records within 500m

0

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

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

6 Hydrology



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

6.1 Water Network (OS MasterMap)

Records within 250m

12

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 66**

ID	Location	Type of water feature	Ground level	Permanence	Name
B	91m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Hollins Brook



ID	Location	Type of water feature	Ground level	Permanence	Name
C	101m E	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
D	127m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	130m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
5	135m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
E	159m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Roch
D	178m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Hollins Brook
7	179m SW	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	Hollins Brook
D	180m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Hollins Brook
A	183m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Hollins Brook
F	235m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
F	235m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

This data is sourced from the Ordnance Survey.



6.2 Surface water features

Records within 250m

3

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 66**

This data is sourced from the Ordnance Survey.

6.3 WFD Surface water body catchments

Records on site

2

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 66**

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
2	On site	River	Whittle Brook (Irwell)	GB112069061250	Roch Irk Medlock	Irwell
3	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

2

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

Features are displayed on the Hydrology map on **page 66**

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
4	94m S	River	Whittle Brook (Irwell)	GB112069061250	Moderate	Fail	Moderate	2019
6	168m NW	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 66**

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
1	On site	Northern Manchester Carboniferous Aquifers	GB41202G101800	Poor	Poor	Good	2019

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



7 River and coastal flooding

7.1 Risk of flooding from rivers and the sea

Records within 50m

0

The chance of flooding from rivers and/or the sea in any given year, based on cells of 50m within the Risk of Flooding from Rivers and Sea (RoFRaS)/Flood Risk Assessment Wales (FRAW) models. Each cell is allocated one of four flood risk categories, taking into account flood defences and their condition. The risk categories for RoFRaS for rivers and the sea and FRAW for rivers are; Very low (less than 1 in 1000 chance in any given year), Low (less than 1 in 100 but greater than or equal to 1 in 1000 chance), Medium (less than 1 in 30 but greater than or equal to 1 in 100 chance) or High (greater than or equal to 1 in 30 chance). The risk categories for FRAW for the sea are; Very low (less than 1 in 1000 chance in any given year), Low (less than 1 in 200 but greater than or equal to 1 in 1000 chance), Medium (less than 1 in 30 but greater than or equal to 1 in 200 chance) or High (greater than or equal to 1 in 30 chance).

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

7.2 Historical Flood Events

Records within 250m

0

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

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

7.3 Flood Defences

Records within 250m

0

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

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

7.4 Areas Benefiting from Flood Defences

Records within 250m

0

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

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

7.5 Flood Storage Areas

Records within 250m

0

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

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



River and coastal flooding - Flood Zones

7.6 Flood Zone 2

Records within 50m	0
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Areas of land at risk of flooding, when the presence of flood defences are ignored. Covering land between Flood Zone 3 (see next section) and the extent of the flooding from rivers or the sea with a 1 in 1000 (0.1%) chance of flooding each year.

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

7.7 Flood Zone 3

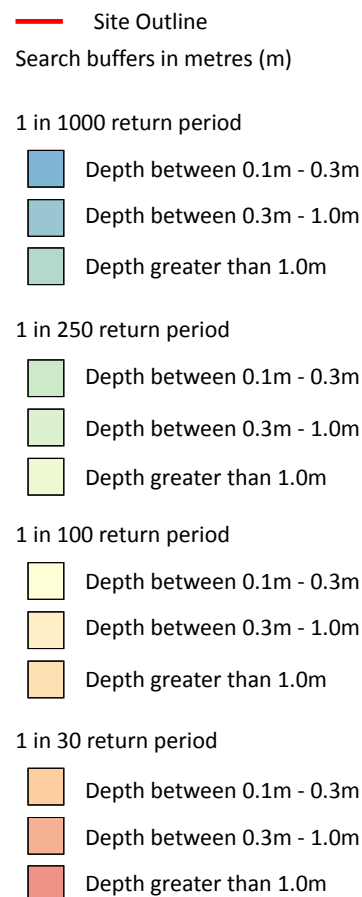
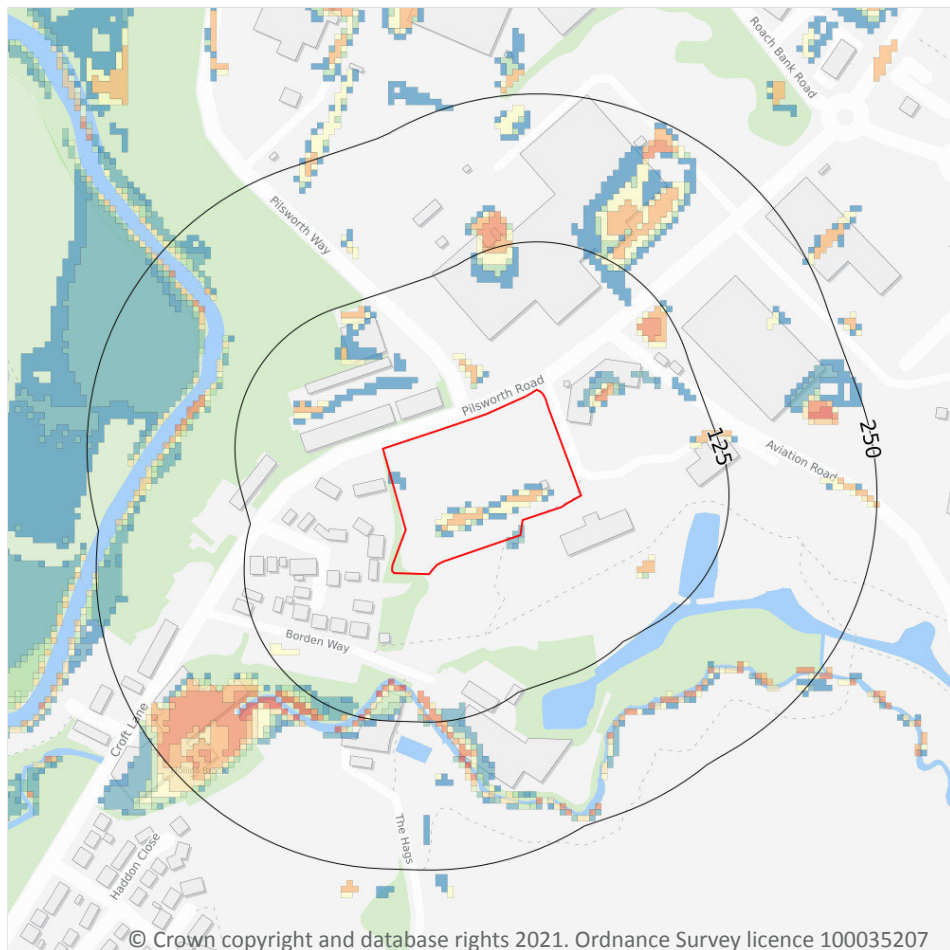
Records within 50m	0
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Areas of land at risk of flooding, when the presence of flood defences are ignored. Covering land with a 1 in 100 (1%) or greater chance of flooding each year from rivers or a 1 in 200 (0.5%) or greater chance of flooding each year from the sea.

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



8 Surface water flooding



8.1 Surface water flooding

Highest risk on site

1 in 30 year, 0.1m - 0.3m

Highest risk within 50m

1 in 30 year, 0.3m - 1.0m

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

Features are displayed on the Surface water flooding map on **page 73**

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

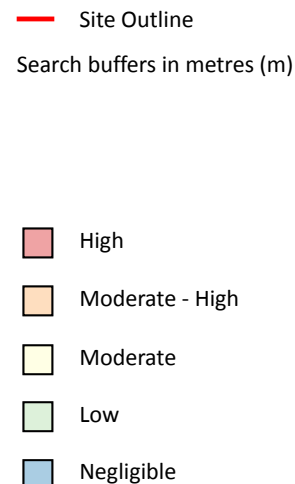
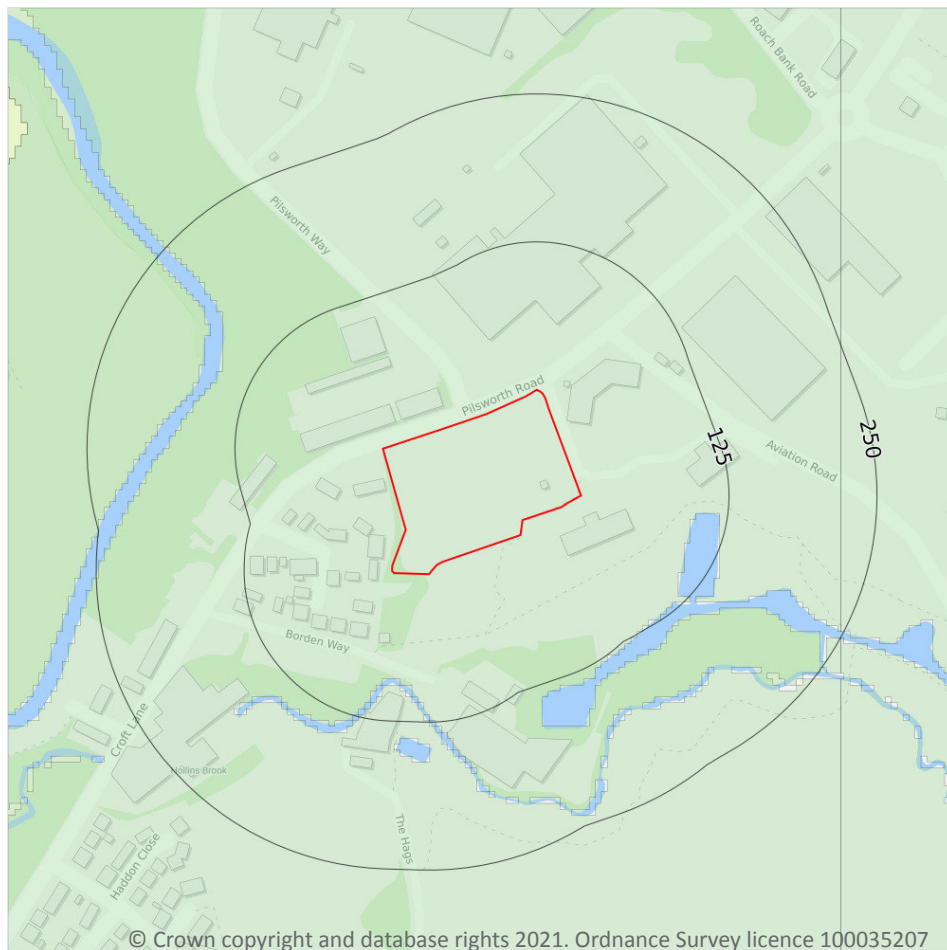
The table below shows the maximum flood depths for a range of return periods for the site.

Return period	Maximum modelled depth
1 in 1000 year	Between 0.3m and 1.0m
1 in 250 year	Between 0.1m and 0.3m
1 in 100 year	Between 0.1m and 0.3m
1 in 30 year	Between 0.1m and 0.3m

This data is sourced from Ambiantal Risk Analytics.



9 Groundwater flooding



9.1 Groundwater flooding

Highest risk on site

Low

Highest risk within 50m

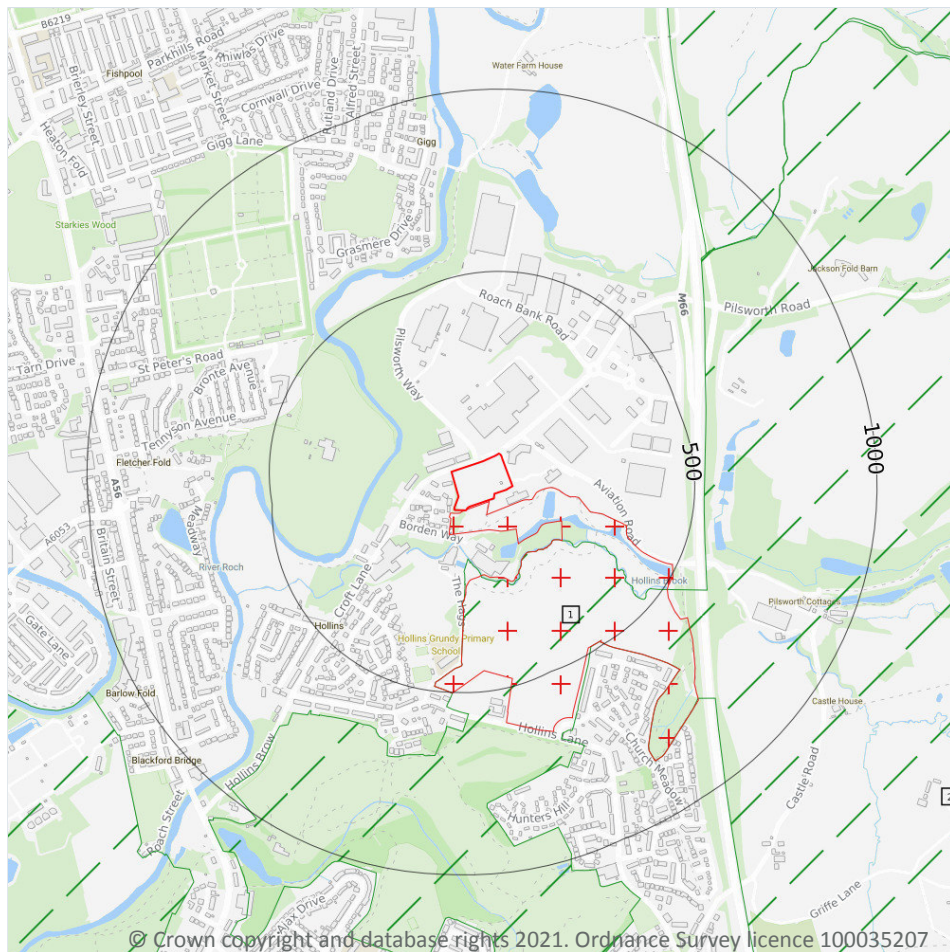
Low

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

Features are displayed on the Groundwater flooding map on **page 75**

This data is sourced from Ambiantal Risk Analytics.

10 Environmental designations



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

10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m

0

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

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

10.2 Conserved wetland sites (Ramsar sites)

Records within 2000m**0**

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

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

10.3 Special Areas of Conservation (SAC)

Records within 2000m**0**

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

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

10.4 Special Protection Areas (SPA)

Records within 2000m**0**

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

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

10.5 National Nature Reserves (NNR)

Records within 2000m**0**

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

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

10.6 Local Nature Reserves (LNR)

Records within 2000m**1**

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

Features are displayed on the Environmental designations map on **page 76**

ID	Location	Name	Data source
1	On site	Hollins Vale	Natural England

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

10.7 Designated Ancient Woodland

Records within 2000m**0**

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

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

10.8 Biosphere Reserves

Records within 2000m**0**

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

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

10.9 Forest Parks

Records within 2000m**0**

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

This data is sourced from the Forestry Commission.



10.10 Marine Conservation Zones

Records within 2000m

0

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

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

10.11 Green Belt

Records within 2000m

4

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

Features are displayed on the Environmental designations map on **page 76**

ID	Location	Name	Local Authority name
2	134m S	Merseyside and Greater Manchester	Bury
3	788m NE	Merseyside and Greater Manchester	Rochdale
4	1108m SW	Merseyside and Greater Manchester	Bury
-	1697m N	Merseyside and Greater Manchester	Bury

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

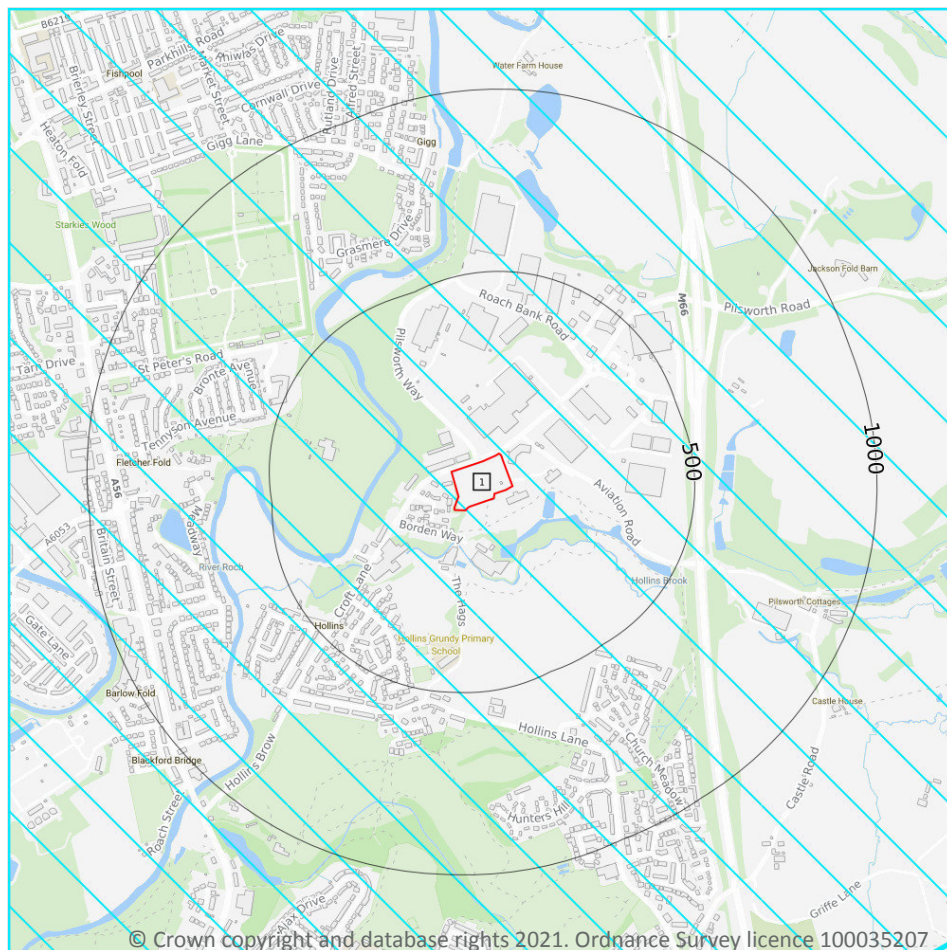
Records within 2000m

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 81**

ID	Location	Type of developments requiring consultation
1	On site	Infrastructure - Airports, helipads and other aviation proposals. Air pollution - Livestock & poultry units with floorspace > 500m², slurry lagoons & digestate stores > 4000m². Combustion - General combustion processes > 50mw energy input. incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion.

This data is sourced from Natural England.

10.18 SSSI Units

Records within 2000m

0

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

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



11 Visual and cultural designations

11.1 World Heritage Sites

Records within 250m

0

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

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

11.2 Area of Outstanding Natural Beauty

Records within 250m

0

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

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

11.3 National Parks

Records within 250m

0

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

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

11.4 Listed Buildings

Records within 250m

0

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



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

11.5 Conservation Areas

Records within 250m

0

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

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

11.6 Scheduled Ancient Monuments

Records within 250m

0

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

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

11.7 Registered Parks and Gardens

Records within 250m

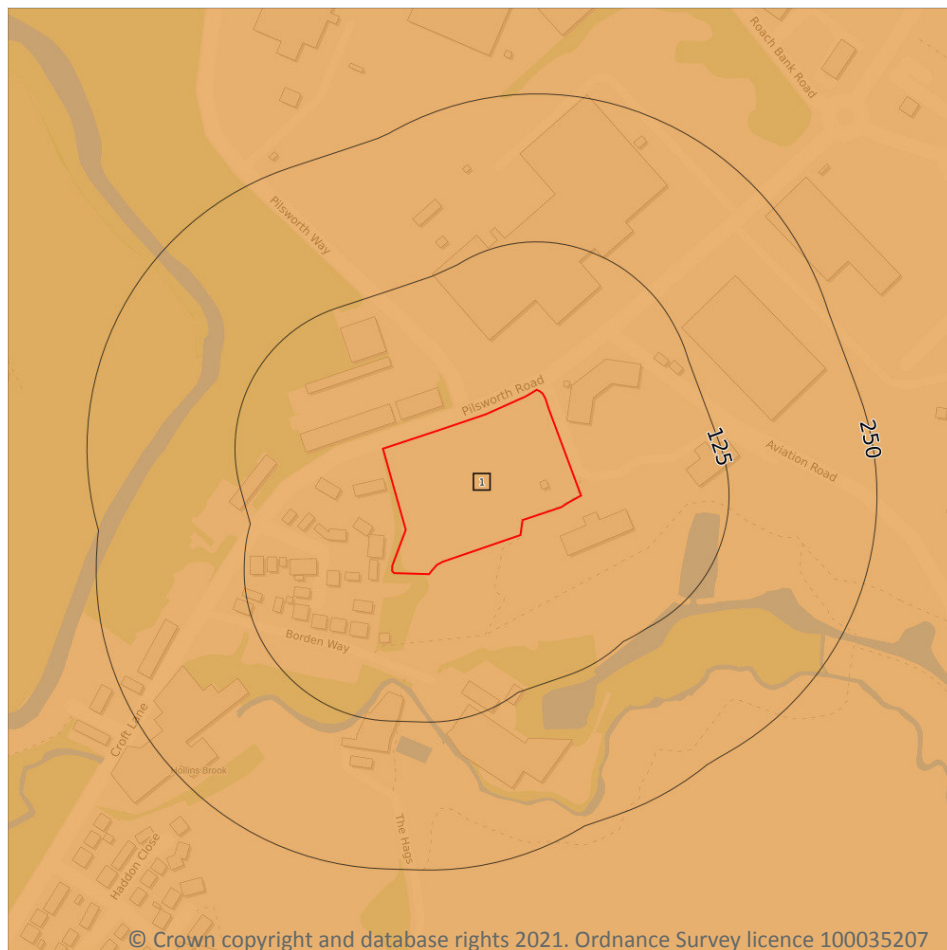
0

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

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



12 Agricultural designations



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

12.1 Agricultural Land Classification

Records within 250m

1

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

Features are displayed on the Agricultural designations map on **page 85**

ID	Location	Classification	Description
1	On site	Grade 3	Good to moderate quality agricultural land. Land with moderate limitations which affect the choice of crops, timing and type of cultivation, harvesting or the level of yield. Where more demanding crops are grown yields are generally lower or more variable than on land in Grades 1 and 2.

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

2

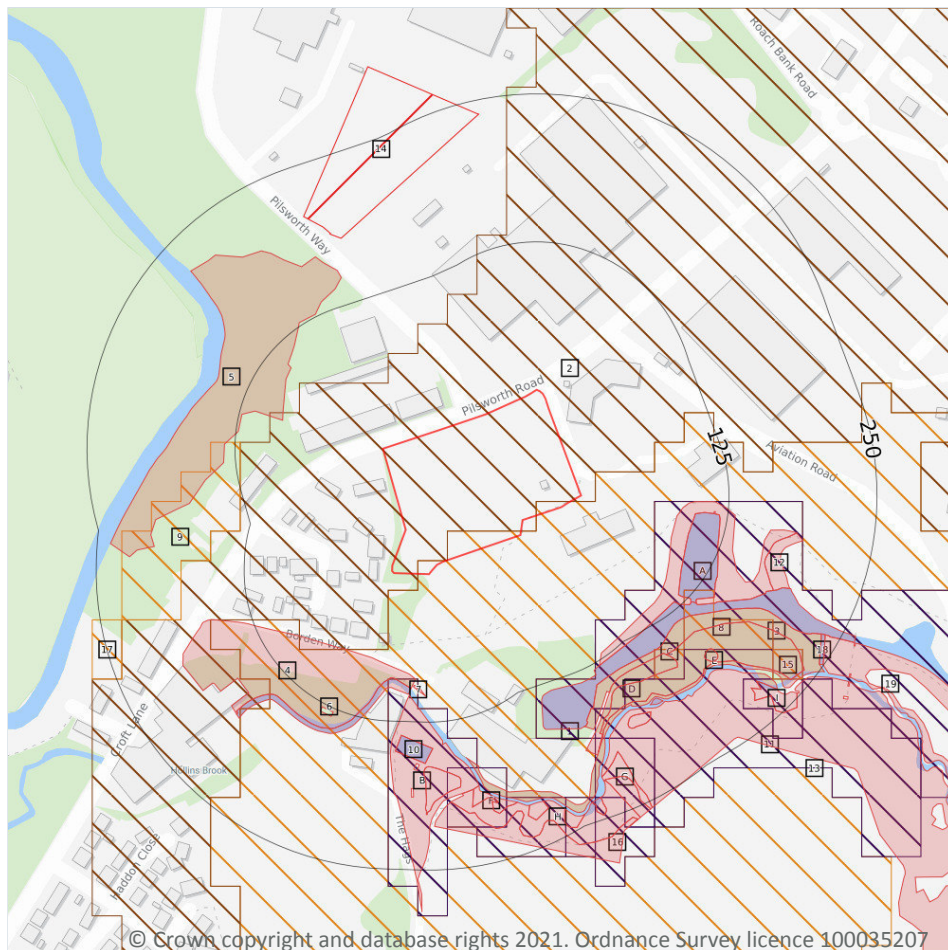
Countryside Stewardship covers a range of schemes that provide financial incentives to farmers, foresters and land managers to look after and improve the environment. Main objectives are to improve the farmed environment for wildlife and to reduce diffuse water pollution.

Location	Reference	Scheme	Start Date	End Date
On site	643930	Countryside Stewardship (Middle Tier)	01/01/2019	31/12/2023
134m SE	643930	Countryside Stewardship (Middle Tier)	01/01/2019	31/12/2023

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

29

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 87**

ID	Location	Main Habitat	Other habitats
4	74m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
A	83m E	Lowland fens	Main habitat: LFENS (INV > 50%)
5	88m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
6	89m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)



ID	Location	Main Habitat	Other habitats
7	94m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
A	96m E	Lowland fens	Main habitat: LFENS (INV > 50%)
B	103m S	Lowland fens	Main habitat: LFENS (INV > 50%)
C	119m SE	Lowland fens	Main habitat: LFENS (INV > 50%)
C	134m SE	Deciduous woodland	Main habitat: LFENS (INV > 50%); DWOOD (INV > 50%)
10	137m S	Lowland fens	Main habitat: LFENS (INV > 50%)
D	146m SE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
E	150m SE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
B	163m S	Lowland fens	Main habitat: LFENS (INV > 50%); DWOOD (INV > 50%)
12	165m E	Lowland fens	Main habitat: LFENS (INV > 50%)
E	169m SE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
13	175m SE	Lowland dry acid grassland	Main habitat: LFENS (INV > 50%); LDAGR (INV > 50%); LMEAD (INV > 50%); PMGRP (INV > 50%)
D	179m SE	Deciduous woodland	Main habitat: LFENS (INV > 50%); DWOOD (INV > 50%)
D	180m SE	Deciduous woodland	Main habitat: LFENS (INV > 50%); DWOOD (INV > 50%); LDAGR (INV > 50%); LMEAD (INV > 50%); PMGRP (INV > 50%)
F	184m S	Purple moor grass and rush pastures	Main habitat: LFENS (INV > 50%); DWOOD (INV > 50%); LDAGR (INV > 50%); LMEAD (INV > 50%); PMGRP (INV > 50%)
H	186m S	Lowland dry acid grassland	Main habitat: LFENS (INV > 50%); LDAGR (INV > 50%); LMEAD (INV > 50%); PMGRP (INV > 50%)
H	193m S	Lowland dry acid grassland	Main habitat: LDAGR (INV > 50%); LMEAD (INV > 50%); PMGRP (INV > 50%)
G	201m SE	Purple moor grass and rush pastures	Main habitat: LFENS (INV > 50%); DWOOD (INV > 50%); LDAGR (INV > 50%); LMEAD (INV > 50%); PMGRP (INV > 50%)
H	213m SE	Purple moor grass and rush pastures	Main habitat: LFENS (INV > 50%); DWOOD (INV > 50%); LDAGR (INV > 50%); LMEAD (INV > 50%); PMGRP (INV > 50%)
I	216m SE	Purple moor grass and rush pastures	Main habitat: LFENS (INV > 50%); LDAGR (INV > 50%); LMEAD (INV > 50%); PMGRP (INV > 50%)
G	219m S	Lowland dry acid grassland	Main habitat: LFENS (INV > 50%); LDAGR (INV > 50%); LMEAD (INV > 50%); PMGRP (INV > 50%)
H	229m SE	Purple moor grass and rush pastures	Main habitat: LFENS (INV > 50%); DWOOD (INV > 50%); LDAGR (INV > 50%); LMEAD (INV > 50%); PMGRP (INV > 50%)
H	232m S	Purple moor grass and rush pastures	Main habitat: LFENS (INV > 50%); DWOOD (INV > 50%); LDAGR (INV > 50%); LMEAD (INV > 50%); PMGRP (INV > 50%)



ID	Location	Main Habitat	Other habitats
18	234m SE	Lowland fens	Main habitat: LFENS (INV > 50%)
19	237m SE	Lowland fens	Main habitat: LFENS (INV > 50%)

This data is sourced from Natural England.

13.2 Habitat Networks

Records within 250m

16

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.

Features are displayed on the Habitat designations map on **page 87**

ID	Location	Type	Habitat
1	On site	Network Enhancement Zone 1	Not specified
2	On site	Network Enhancement Zone 2	Not specified
3	62m E	Primary Habitat	Lowland fens
B	89m S	Primary Habitat	Lowland fens
8	118m SE	Network Enhancement Zone 1	Not specified
9	121m W	Network Enhancement Zone 1	Not specified
C	144m SE	Network Enhancement Zone 1	Not specified
11	150m SE	Primary Habitat	Lowland dry acid grassland
F	164m S	Primary Habitat	Purple moor grass and rush pasture
G	183m S	Primary Habitat	Purple moor grass and rush pasture
H	200m S	Primary Habitat	Lowland dry acid grassland
I	207m SE	Primary Habitat	Purple moor grass and rush pasture
15	208m SE	Network Enhancement Zone 1	Not specified
H	221m SE	Primary Habitat	Purple moor grass and rush pasture
16	230m S	Primary Habitat	Lowland dry acid grassland
17	232m W	Network Enhancement Zone 1	Not specified

This data is sourced from Natural England.



13.3 Open Mosaic Habitat

Records within 250m

1

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

Features are displayed on the Habitat designations map on **page 87**

ID	Location	Site reference	Identification confidence	Primary source	Secondary source	Tertiary source
14	180m N	NLUD Ref: 421000266; HLD_refs: EAHLD17959	Low	National Land Use Database - Previously Developed Land	Environment Agency Historic Landfill Sites	UK Perspectives Aerial Photography

This data is sourced from Natural England.

13.4 Limestone Pavement Orders

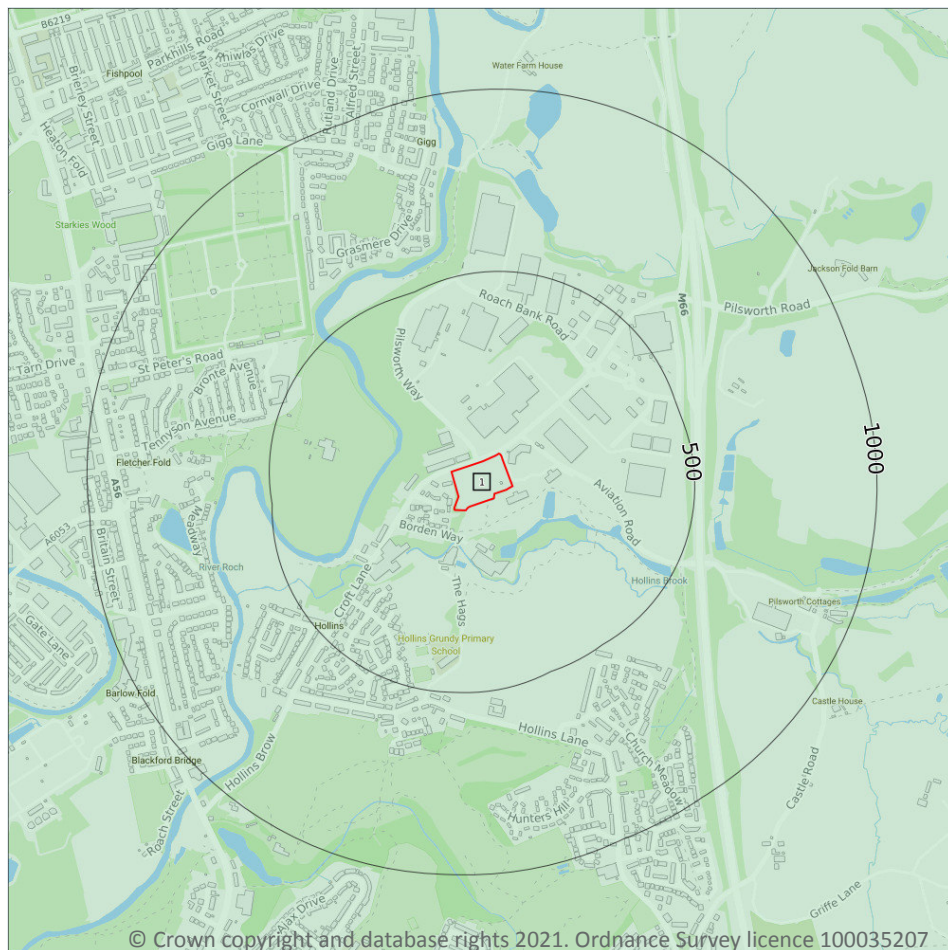
Records within 250m

0

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

This data is sourced from Natural England.

14 Geology 1:10,000 scale - Availability



— Site Outline
Search buffers in metres (m)

- Full coverage
- Partial coverage
- No coverage

14.1 10k Availability

Records within 500m

1

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

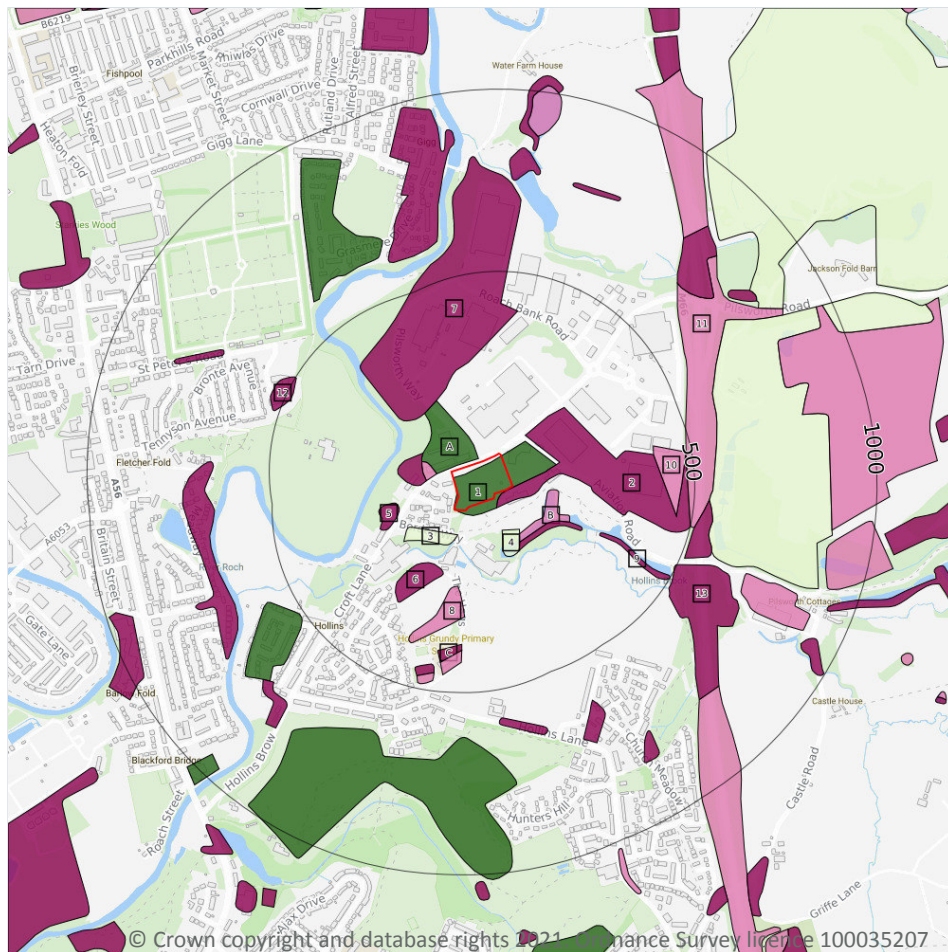
Features are displayed on the Geology 1:10,000 scale - Availability map on **page 91**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	Full	SD80NW

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

22

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 92**

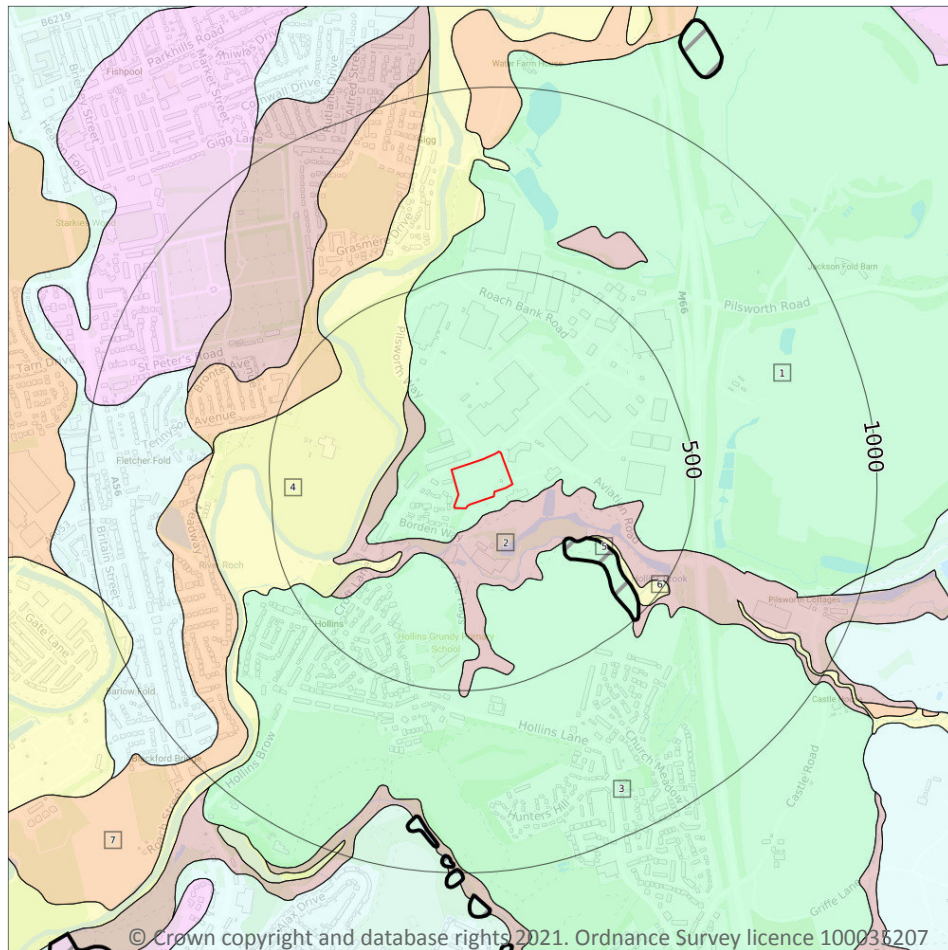
ID	Location	LEX Code	Description	Rock description
1	On site	LSGR-ARTDP	Landscaped Ground (Undivided)	Artificial Deposit
2	2m SE	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
A	10m NW	LSGR-ARTDP	Landscaped Ground (Undivided)	Artificial Deposit
A	41m W	WGR-VOID	Worked Ground (Undivided)	Void



ID	Location	LEX Code	Description	Rock description
3	66m S	WMGR-ARTDP	Infilled Ground	Artificial Deposit
A	73m W	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
4	90m S	WMGR-ARTDP	Infilled Ground	Artificial Deposit
B	97m E	WGR-VOID	Worked Ground (Undivided)	Void
B	138m SE	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
5	151m W	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
6	159m S	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
7	173m NW	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
8	209m S	WGR-VOID	Worked Ground (Undivided)	Void
9	273m SE	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
C	368m S	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
C	384m S	WGR-VOID	Worked Ground (Undivided)	Void
10	396m E	WGR-VOID	Worked Ground (Undivided)	Void
C	427m S	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
C	450m S	WGR-VOID	Worked Ground (Undivided)	Void
11	480m E	WGR-VOID	Worked Ground (Undivided)	Void
12	484m NW	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
13	496m SE	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

6

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 94**

ID	Location	LEX Code	Description	Rock description
1	On site	HMGDD-DMTN	Hummocky (moundy) Glacial Deposits, Devensian - Diamicton	Diamicton
2	39m S	HEAD-XCZSV	Head - Clay, Silt, Sand And Gravel	Clay, Silt, Sand And Gravel



ID	Location	LEX Code	Description	Rock description
3	143m SW	HMGDD-DMTN	Hummocky (moundy) Glacial Deposits, Devensian - Diamicton	Diamicton
4	147m NW	ALV-XCZSV	Alluvium - Clay, Silt, Sand And Gravel	Clay, Silt, Sand And Gravel
6	251m SE	ALV-XCZSV	Alluvium - Clay, Silt, Sand And Gravel	Clay, Silt, Sand And Gravel
7	398m NW	RTD1-XSV	River Terrace Deposits, 1 - 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.

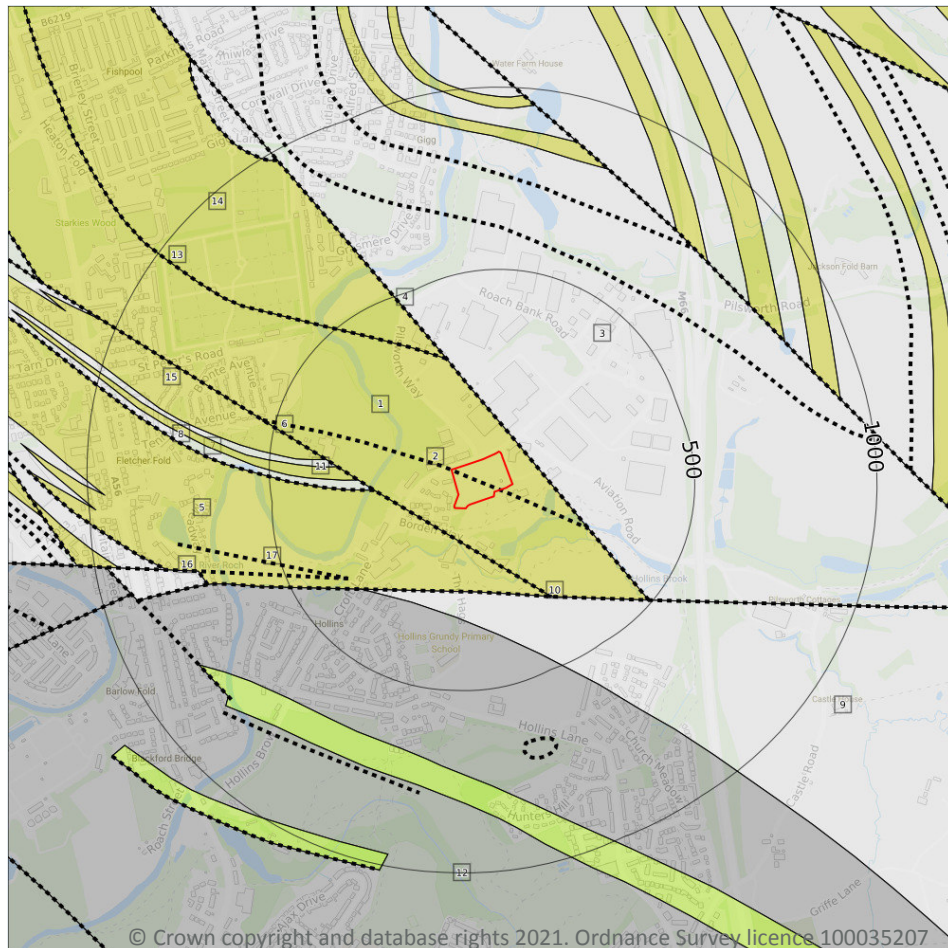
Features are displayed on the Geology 1:10,000 scale - Superficial map on **page 94**

ID	Location	LEX Code	Description	Rock description
5	211m SE	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 96**

ID	Location	LEX Code	Description	Rock age
1	On site	TRBR-SDST	Trencherbone Rock - Sandstone	Langsettian Sub-age
3	52m NE	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age
5	72m SW	TRBR-SDST	Trencherbone Rock - Sandstone	Langsettian Sub-age

ID	Location	LEX Code	Description	Rock age
7	219m W	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age
9	229m S	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age
11	258m W	CAR-SDST	Cannel Rock (south Lancashire) - Sandstone	Langsettian Sub-age
12	283m S	PMCM-MDSS	Pennine Middle Coal Measures Formation - Mudstone, Siltstone And Sandstone	Bolsovia Sub-age - Duckmantian Sub-age
14	292m NW	CAR-SDST	Cannel Rock (south Lancashire) - Sandstone	Langsettian Sub-age
15	346m W	PLCM-SDST	Pennine Lower Coal Measures Formation - 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

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.

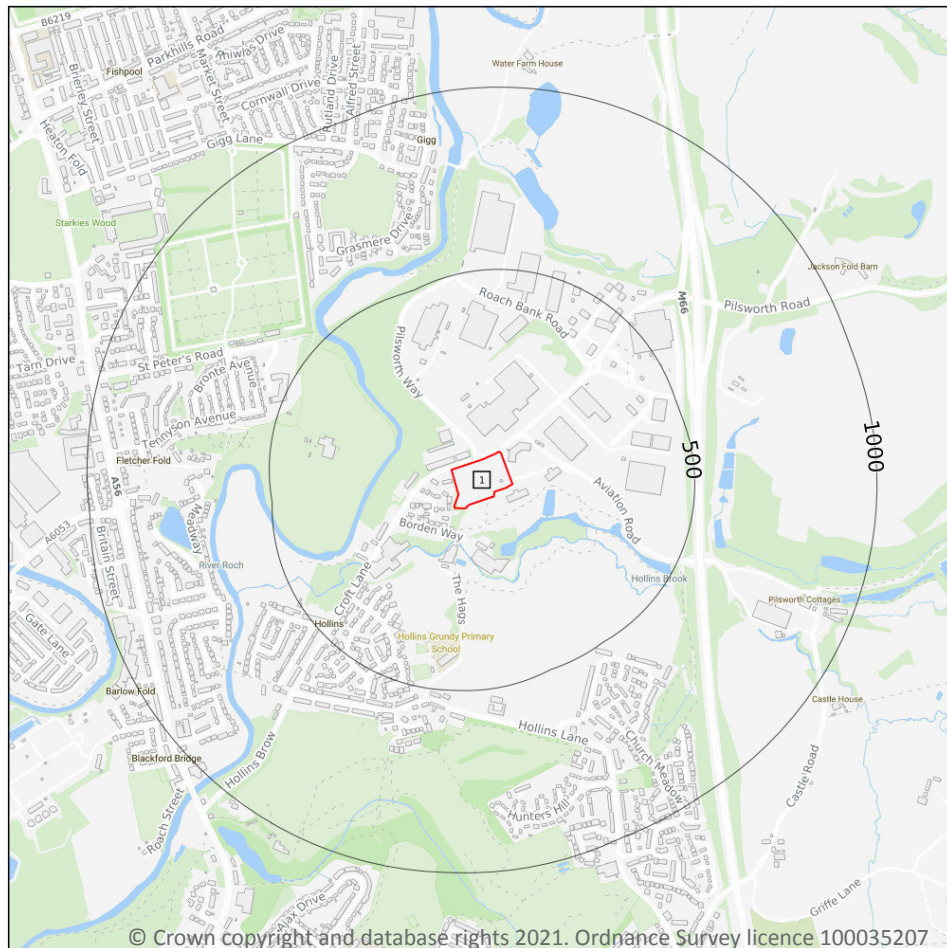
Features are displayed on the Geology 1:10,000 scale - Bedrock map on **page 96**

ID	Location	Category	Description
2	On site	ROCK	Coal seam, inferred
4	52m NE	FAULT	Normal fault, inferred; crossmarks on downthrow side
6	72m SW	FAULT	Normal fault, inferred; crossmarks on downthrow side
8	219m W	ROCK	Coal seam, inferred coincident with bedrock geology boundary
10	229m S	FAULT	Normal fault, inferred; crossmarks on downthrow side
13	292m NW	ROCK	Coal seam, inferred coincident with bedrock geology boundary
16	351m SW	FAULT	Normal fault, inferred; crossmarks on downthrow side
17	351m SW	FAULT	Normal fault, inferred; crossmarks on downthrow side

This data is sourced from the British Geological Survey.



15 Geology 1:50,000 scale - Availability



— Site Outline

Search buffers in metres (m)

□ Geological map tile

15.1 50k Availability

Records within 500m

1

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

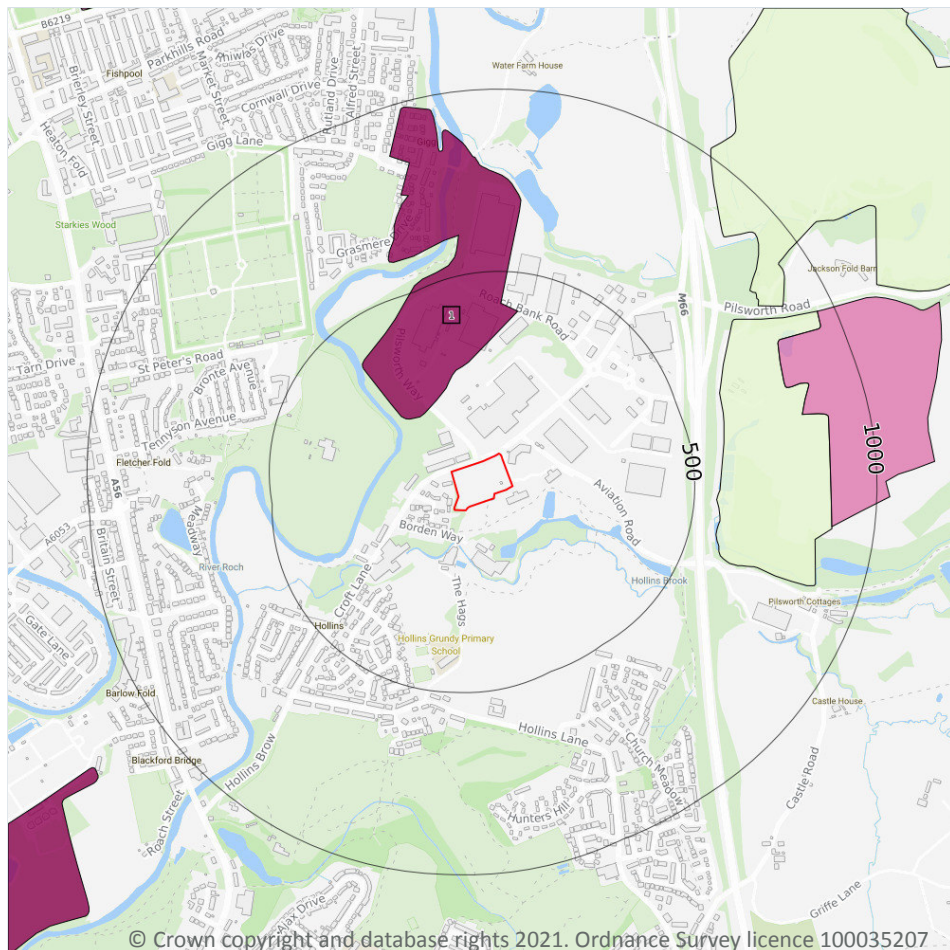
Features are displayed on the Geology 1:50,000 scale - Availability map on **page 98**

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

This data is sourced from the British Geological Survey.



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



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

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15.2 Artificial and made ground (50k)

Records within 500m

1

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

Features are displayed on the Geology 1:50,000 scale - Artificial and made ground map on **page 99**

ID	Location	LEX Code	Description	Rock description
1	174m NW	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT

This data is sourced from the British Geological Survey.



15.3 Artificial ground permeability (50k)

Records within 50m

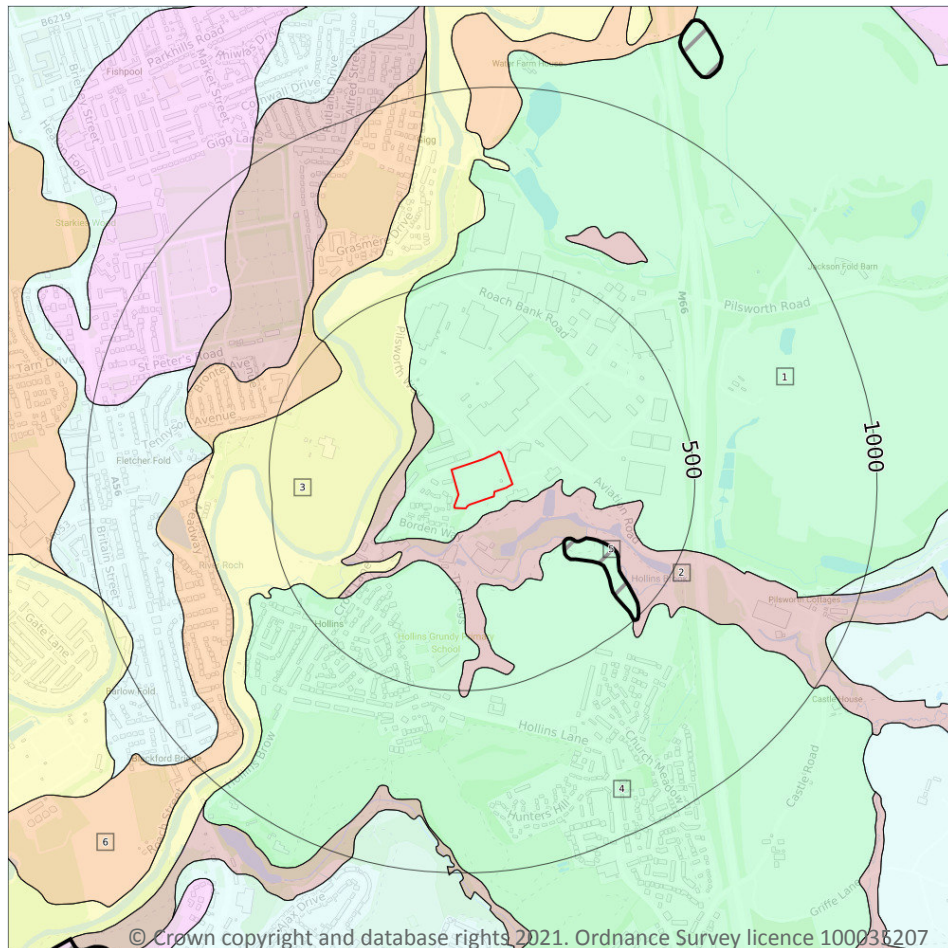
0

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

This data is sourced from the British Geological Survey.



Geology 1:50,000 scale - Superficial



Site Outline

Search buffers in metres (m)

Landslip (50k)

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

15.4 Superficial geology (50k)

Records within 500m

5

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 101**

ID	Location	LEX Code	Description	Rock description
1	On site	HMGDD-DMTN	HUMMOCKY (MOUNDY) GLACIAL DEPOSITS, DEVENSIAN	DIAMICTON
2	39m S	HEAD-XCZSV	HEAD	CLAY, SILT, SAND AND GRAVEL
3	126m NW	ALV-XCZSV	ALLUVIUM	CLAY, SILT, SAND AND GRAVEL



ID	Location	LEX Code	Description	Rock description
4	164m SW	HMGDD-DMTN	HUMMOCKY (MOUNDY) GLACIAL DEPOSITS, DEVENSIAN	DIAMICTON
6	398m NW	RTD1-XSV	RIVER TERRACE DEPOSITS, 1	SAND AND GRAVEL

This data is sourced from the British Geological Survey.

15.5 Superficial permeability (50k)

Records within 50m

2

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

Location	Flow type	Maximum permeability	Minimum permeability
On site	Mixed	High	Low
39m SE	Mixed	High	Very Low

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 101**

ID	Location	LEX Code	Description	Rock description
5	211m SE	SLIP-UNKNOWN	LANDSLIDE DEPOSITS	UNKNOWN/UNCLASSIFIED ENTRY

This data is sourced from the British Geological Survey.

15.7 Landslip permeability (50k)

Records within 50m

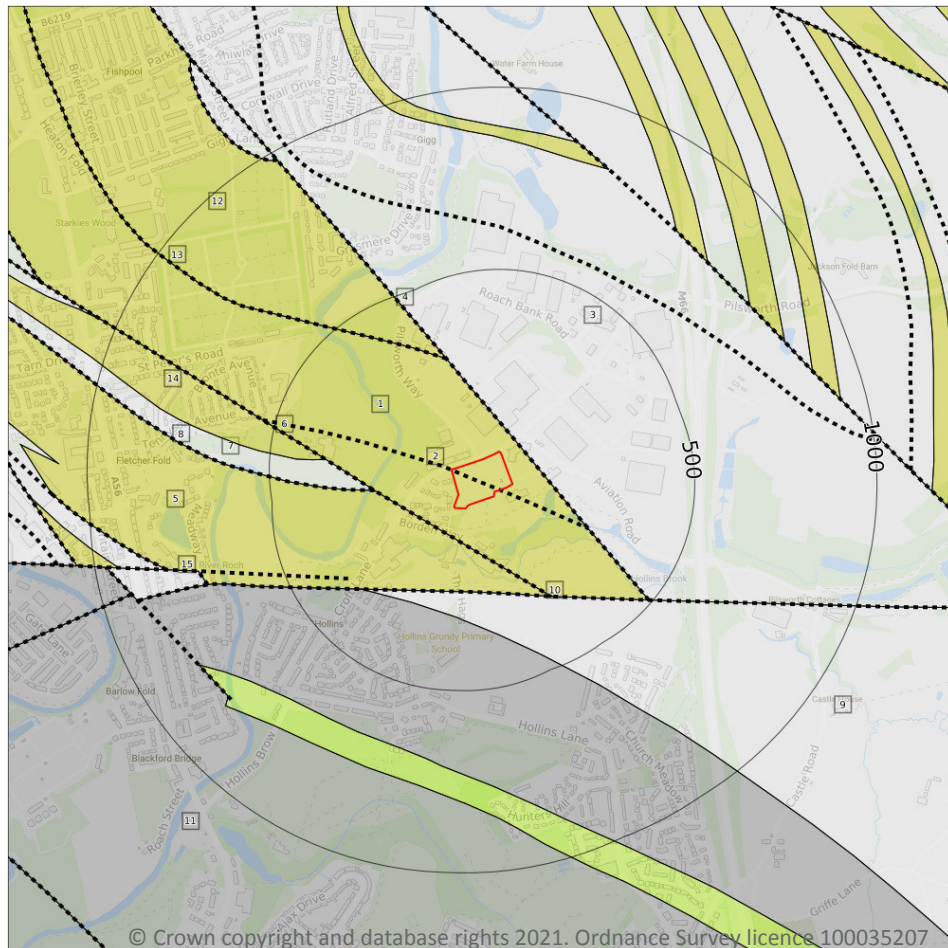
0

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

8

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 103**

ID	Location	LEX Code	Description	Rock age
1	On site	TRBR-SDST	TRENCHBONE ROCK - SANDSTONE	WESTPHALIAN
3	52m NE	PLCM-MDSS	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
5	72m SW	TRBR-SDST	TRENCHBONE ROCK - SANDSTONE	WESTPHALIAN

ID	Location	LEX Code	Description	Rock age
7	219m W	PLCM-MDSS	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
9	229m S	PLCM-MDSS	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
11	283m S	PMCM-MDSS	PENNINE MIDDLE COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
12	292m NW	CAR-SDST	CANNEL ROCK (SOUTH LANCASHIRE) - SANDSTONE	WESTPHALIAN
14	346m W	PLCM-SDST	PENNINE LOWER COAL MEASURES FORMATION - 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	High	Moderate

This data is sourced from the British Geological Survey.

15.10 Bedrock faults and other linear features (50k)

Records within 500m	7
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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 103**

ID	Location	Category	Description
2	On site	ROCK	Coal seam, inferred
4	52m NE	FAULT	Fault, inferred
6	72m SW	FAULT	Fault, inferred
8	219m W	ROCK	Coal seam, inferred

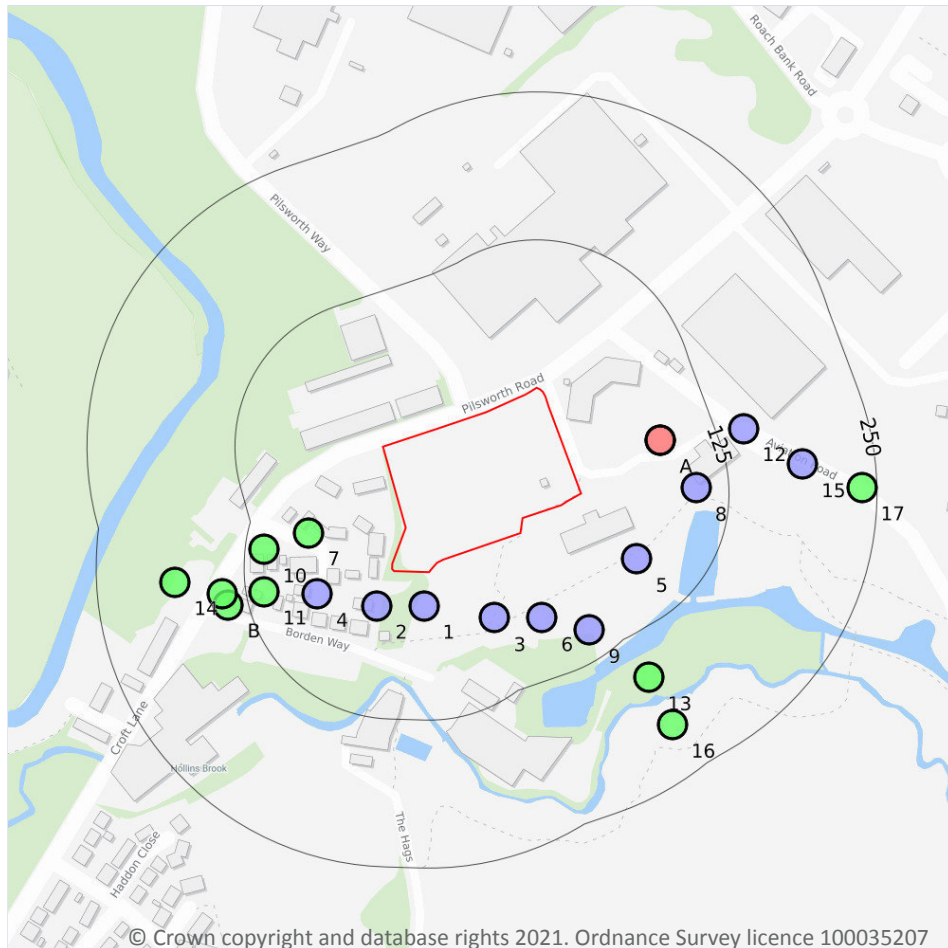


ID	Location	Category	Description
10	229m S	FAULT	Fault, inferred
13	292m NW	ROCK	Coal seam, inferred
15	351m SW	FAULT	Fault, inferred

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

21

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 106**

ID	Location	Grid reference	Name	Length	Confidential	Web link
1	29m S	381480 408560	PILSWORTH RD SWR BURY 5	9.0	N	27413
2	33m SW	381440 408560	PILSWORTH RD SWR BURY 4	8.5	N	27412
3	61m S	381540 408550	PILSWORTH RD SWR BURY 6	7.0	N	27414

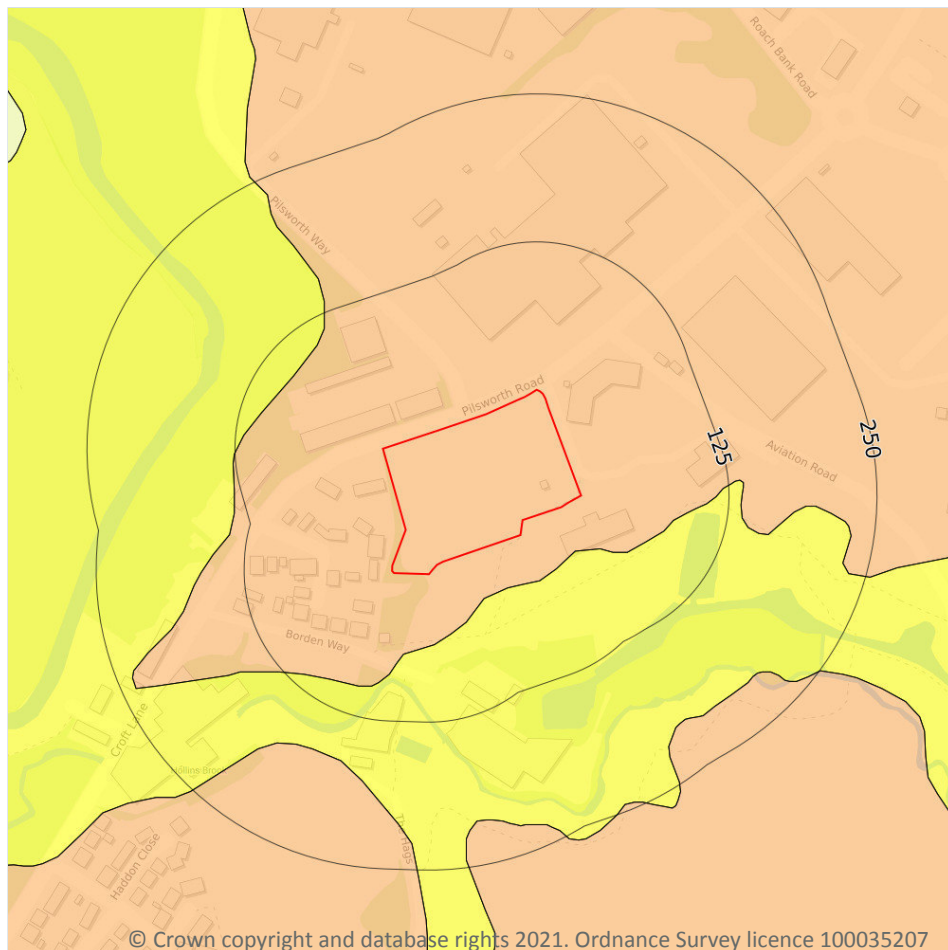


ID	Location	Grid reference	Name	Length	Confidential	Web link
4	67m W	381390 408570	PILSWORTH RD SWR BURY 3	6.5	N	27411
5	72m SE	381660 408600	PILSWORTH RD SWR BURY 9	7.3	N	27417
6	74m S	381580 408550	PILSWORTH RD SWR BURY 7	7.0	N	27415
7	75m W	381383 408622	PILSWORTH ROAD, BURY, LANCASHIRE 3	13.0	N	17984115
A	79m E	381680 408700	CASTLE BROOK BUSINESS PARK	89.0	N	27563
A	79m E	381680 408700	CASTLE BROOK BUSINESS PARK	89.0	N	27577
8	97m E	381710 408660	PILSWORTH RD SWR BURY 10	6.9	N	27418
9	100m SE	381620 408540	PILSWORTH RD SWR BURY 8	6.5	N	27416
10	109m W	381345 408608	PILSWORTH ROAD, BURY, LANCASHIRE 2	12.0	N	17984114
11	110m W	381345 408572	PILSWORTH ROAD, BURY, LANCASHIRE 1	12.0	N	17984113
B	142m W	381315 408561	PILSWORTH ROAD, BURY, LANCASHIRE 4	12.5	N	17984116
B	145m W	381310 408570	PILSWORTH RD SWR BURY 2	12.0	N	27410
12	148m E	381750 408710	PILSWORTH RD SWR BURY 11	8.8	N	27419
13	163m SE	381670 408500	PILSWORTH RD SWR BURY 25	19.8	N	27435
14	184m W	381270 408580	PILSWORTH RD SWR BURY 1	12.2	N	27409
15	189m E	381800 408680	PILSWORTH RD SWR BURY 12	10.0	N	27420
16	206m SE	381690 408460	PILSWORTH RD SWR BURY 26	13.3	N	27436
17	237m E	381850 408660	PILSWORTH RD SWR BURY 13	10.5	N	27421

This data is sourced from the British Geological Survey.



17 Natural ground subsidence - Shrink swell clays



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

17.1 Shrink swell clays

Records within 50m

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).

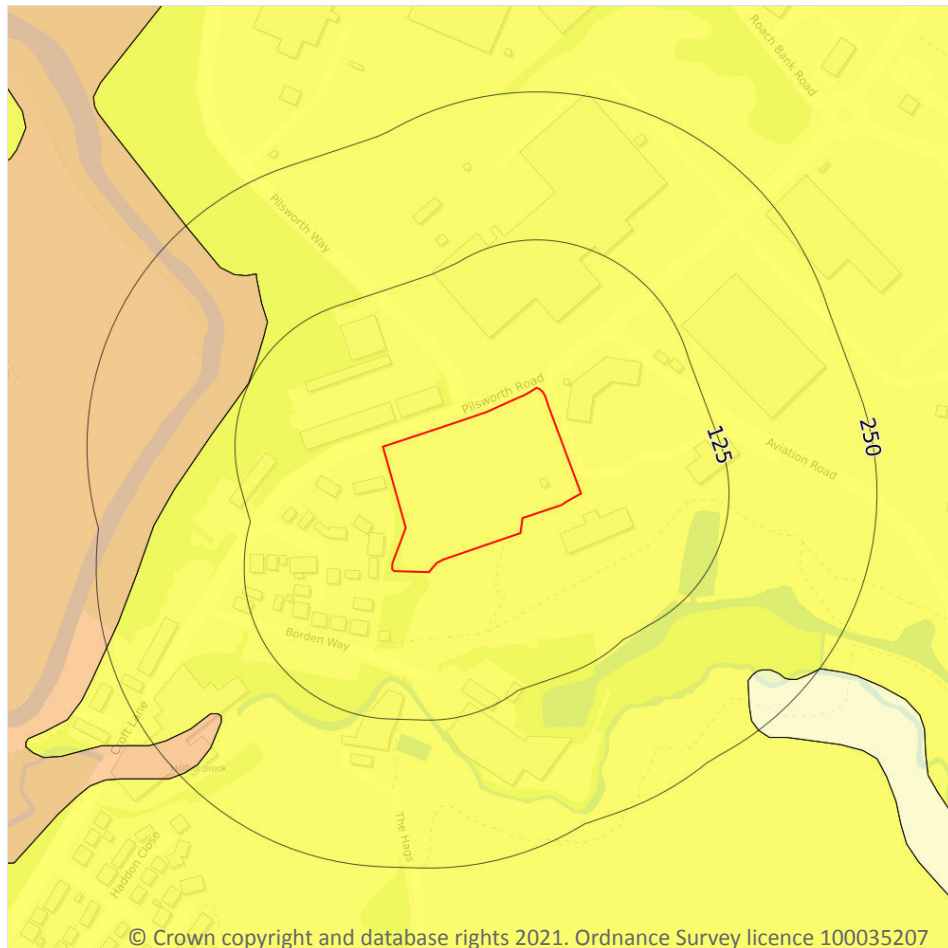
Features are displayed on the Natural ground subsidence - Shrink swell clays map on **page 108**

Location	Hazard rating	Details
On site	Low	Ground conditions predominantly medium plasticity.
39m S	Very low	Ground conditions predominantly low plasticity.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Running sands



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

17.2 Running sands

Records within 50m

1

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

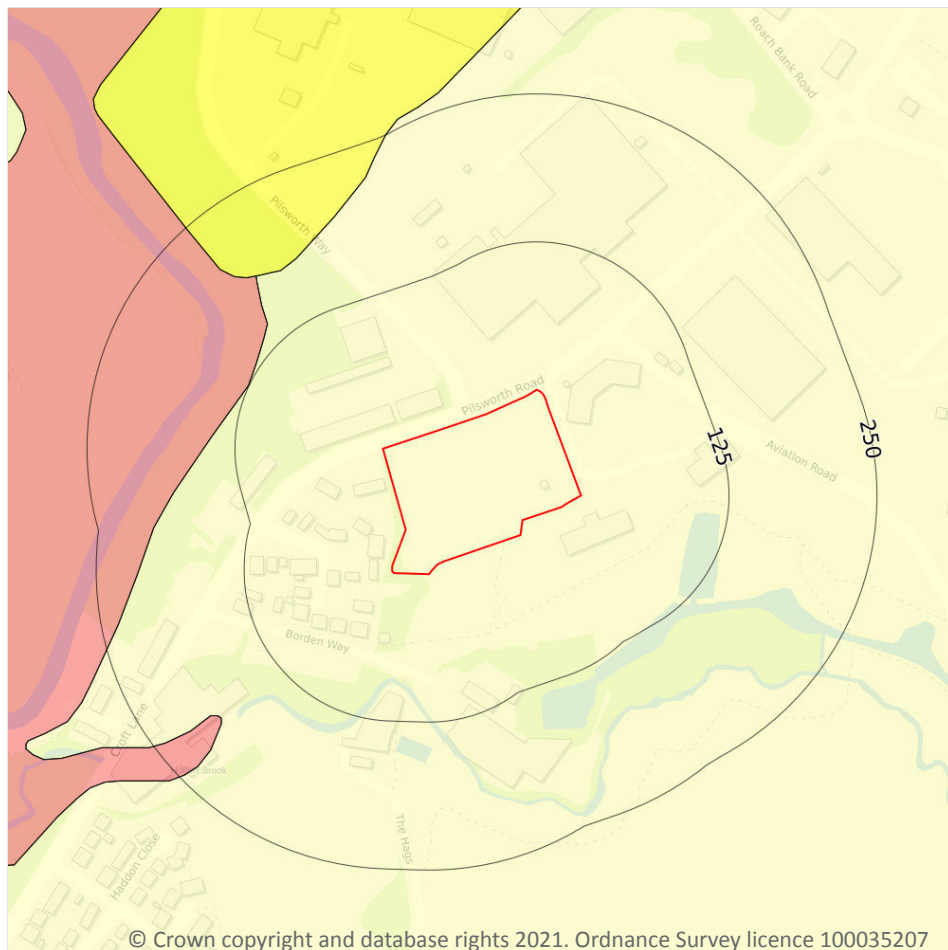
Features are displayed on the Natural ground subsidence - Running sands map on **page 109**

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

This data is sourced from the British Geological Survey.



Natural ground subsidence - Compressible deposits



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

17.3 Compressible deposits

Records within 50m

1

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

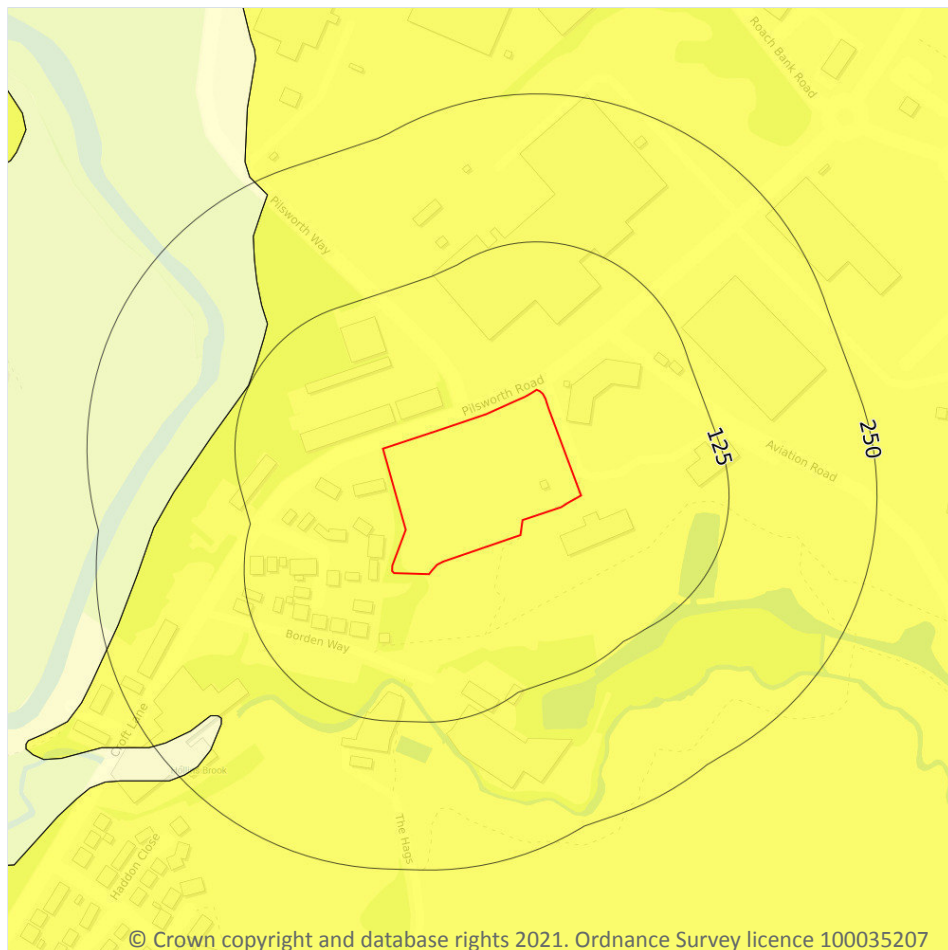
Features are displayed on the Natural ground subsidence - Compressible deposits map on **page 110**

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

This data is sourced from the British Geological Survey.



Natural ground subsidence - Collapsible deposits



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

17.4 Collapsible deposits

Records within 50m

1

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

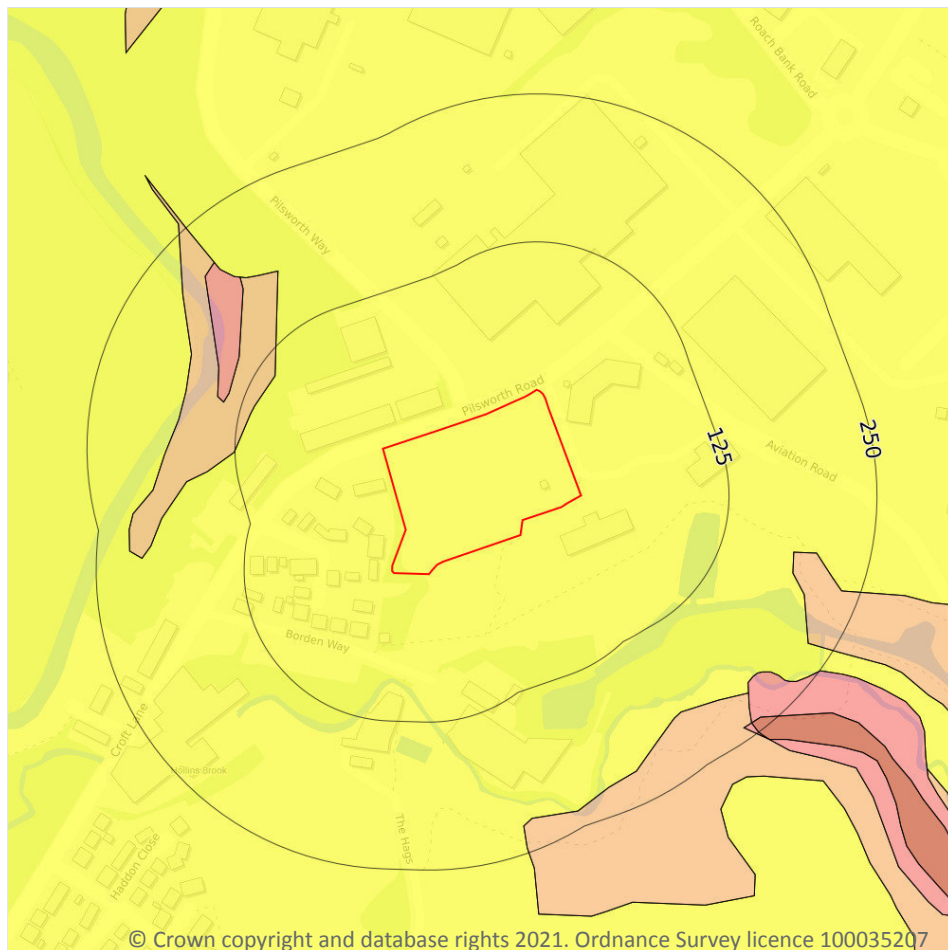
Features are displayed on the Natural ground subsidence - Collapsible deposits map on **page 111**

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

This data is sourced from the British Geological Survey.



Natural ground subsidence - Landslides



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

17.5 Landslides

Records within 50m

1

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

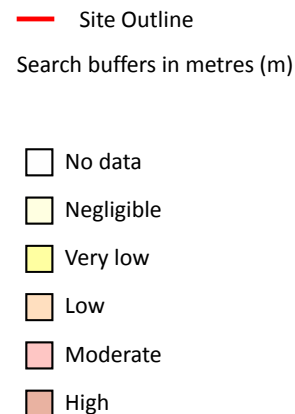
Features are displayed on the Natural ground subsidence - Landslides map on **page 112**

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

This data is sourced from the British Geological Survey.



Natural ground subsidence - Ground dissolution of soluble rocks



17.6 Ground dissolution of soluble rocks

Records within 50m

1

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

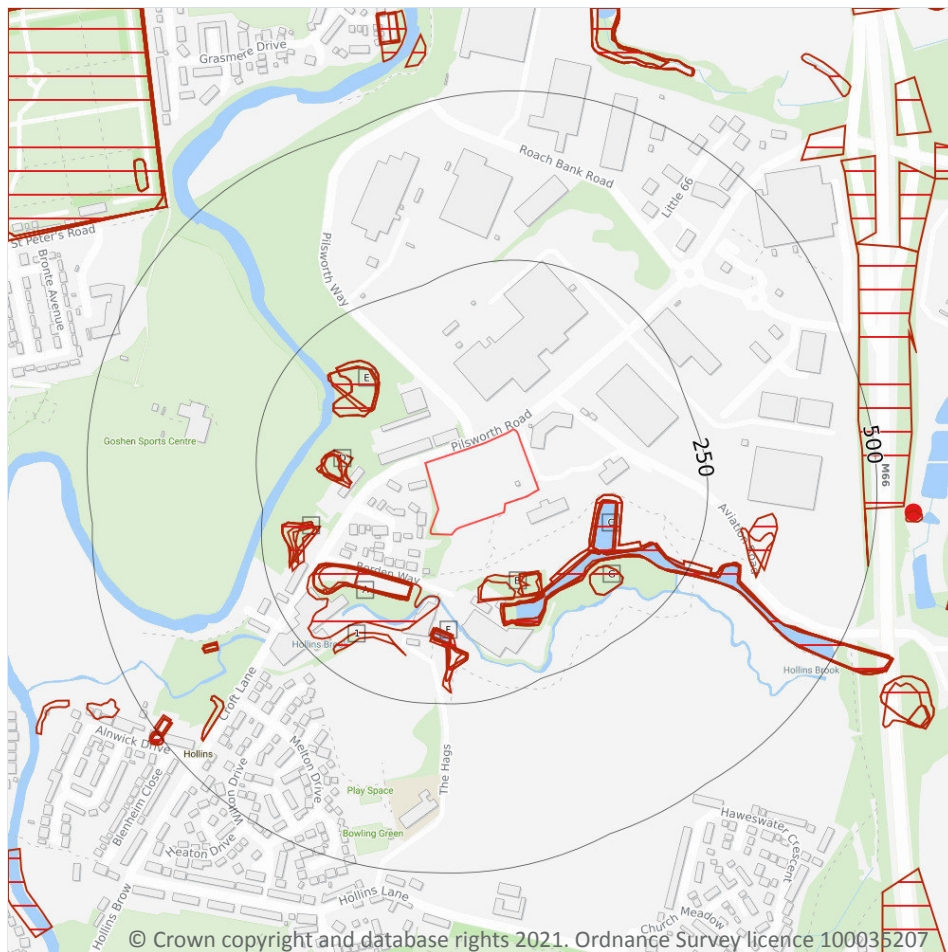
Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on **page 113**

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

0

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.

This data is sourced from the British Geological Survey.

18.3 Surface ground workings

Records within 250m

51

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 115**

ID	Location	Land Use	Year of mapping	Mapping scale
A	78m S	Water Bodies	1851	1:10560
A	79m S	Pond	1955	1:10560
A	80m SW	Reservoir	1938	1:10560
A	80m SW	Reservoir	1891	1:10560
A	80m SW	Reservoir	1928	1:10560
A	80m SW	Reservoir	1908	1:10560
A	82m S	Reservoir	1981	1:10000
A	82m S	Reservoir	1974	1:10000
A	82m S	Ponds	1965	1:10560
B	82m SE	Ponds	1851	1:10560
B	86m SE	Pond	1891	1:10560
C	87m E	Reservoir	1981	1:10000
C	87m E	Reservoir	1974	1:10000
C	87m E	Water Body	1965	1:10560
C	93m E	Reservoirs	1955	1:10560
B	94m S	Reservoir	1981	1:10000
B	94m S	Reservoir	1974	1:10000



ID	Location	Land Use	Year of mapping	Mapping scale
C	95m E	Reservoirs	1938	1:10560
C	95m E	Reservoirs	1891	1:10560
C	95m E	Reservoirs	1928	1:10560
C	95m E	Reservoirs	1908	1:10560
B	98m S	Unspecified Pits	1955	1:10560
D	108m W	Unspecified Ground Workings	1981	1:10000
E	110m NW	Unspecified Pit	1928	1:10560
E	110m NW	Unspecified Pit	1938	1:10560
E	112m NW	Unspecified Ground Workings	1981	1:10000
E	112m NW	Unspecified Ground Workings	1974	1:10000
E	112m NW	Unspecified Ground Workings	1965	1:10560
E	114m NW	Unspecified Pit	1955	1:10560
D	115m W	Unspecified Ground Workings	1965	1:10560
D	115m W	Unspecified Ground Workings	1974	1:10000
D	124m W	Refuse Heap	1938	1:10560
D	125m W	Refuse Heap	1955	1:10560
F	139m S	Reservoir	1981	1:10000
F	139m S	Reservoir	1974	1:10000
F	139m S	Ponds	1965	1:10560
F	139m S	Reservoirs	1955	1:10560
F	142m S	Reservoirs	1938	1:10560
F	142m S	Reservoirs	1928	1:10560
F	142m S	Ponds	1908	1:10560
F	142m S	Ponds	1851	1:10560
G	145m SE	Unspecified Pit	1928	1:10560
G	145m SE	Unspecified Pit	1938	1:10560
F	145m S	Ponds	1891	1:10560
1	163m SW	Unspecified Ground Workings	1908	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
H	164m W	Unspecified Ground Workings	1908	1:10560
H	166m W	Unspecified Heap	1928	1:10560
H	166m W	Unspecified Heap	1938	1:10560
H	171m W	Unspecified Ground Workings	1981	1:10000
H	172m W	Unspecified Heap	1965	1:10560
H	172m W	Unspecified Heap	1955	1:10560

This is data is sourced from Ordnance Survey/Groundsure.

18.4 Underground workings

Records within 1000m

0

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

This is data is sourced from Ordnance Survey/Groundsure.

18.5 Historical Mineral Planning Areas

Records within 500m

0

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

This data is sourced from the British Geological Survey.

18.6 Non-coal mining

Records within 1000m

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**

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

Generalised areas that may be affected by historical tin mining.

This data is sourced from Groundsure.

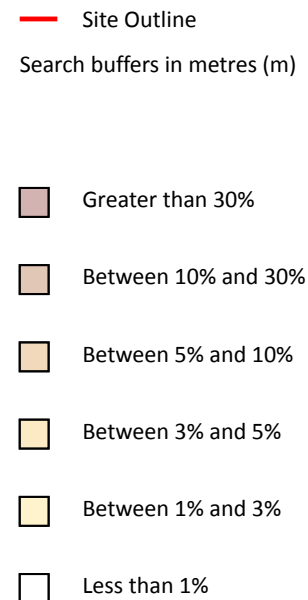
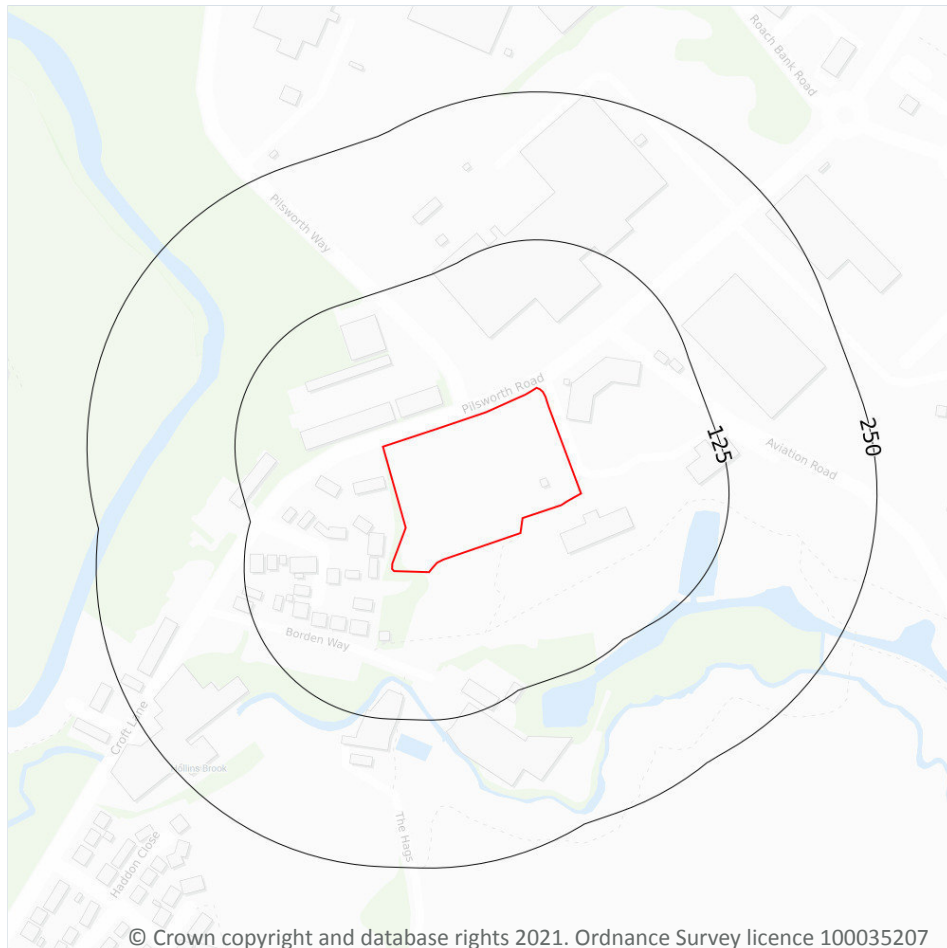
18.13 Clay mining

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

Generalised areas that may be affected by kaolin and ball clay extraction.

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

19 Radon



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 121**

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

7

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

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	15 - 30 mg/kg
23m NE	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
45m W	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
47m SE	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg

This data is sourced from the British Geological Survey.

20.2 BGS Estimated Urban Soil Chemistry

Records within 50m

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

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	0
---------------------	---

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.

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>.

Terms and conditions

Groundsure's Terms and Conditions can be accessed at this link: <https://www.groundsure.com/terms-and-conditions-jan-2020/>.





APPENDIX 5 - Coal Authority Report



The Coal
Authority

CON29M

coal mining report

1 PILSWORTH WAY, BURY, BL9 8RE



Known or potential coal mining risks

Past underground coal mining	Page 4
Future underground coal mining	Page 4
Mine entries	Page 5



Further action

No further reports from the Coal Authority are required. Further information on any next steps can be found in our Professional opinion.

For more information on our reports please visit
www.groundstability.com



Professional opinion

According to the official mining information records held by the Coal Authority at the time of this search, evidence of, or the potential for, coal mining related features have been identified. In view of the coal mining circumstances we would recommend that any planned or future development should follow detailed technical advice before beginning work on site. Please see **page 3** for further details on **Future development**.

Your reference: **ORD-21438-2207**
Our reference: **51002823864001**
Date: **21 December 2021**

Client name:
James Doyle

If you require any further assistance please
contact our experts on:
0345 762 6848
groundstability@coal.gov.uk



The Law
Society

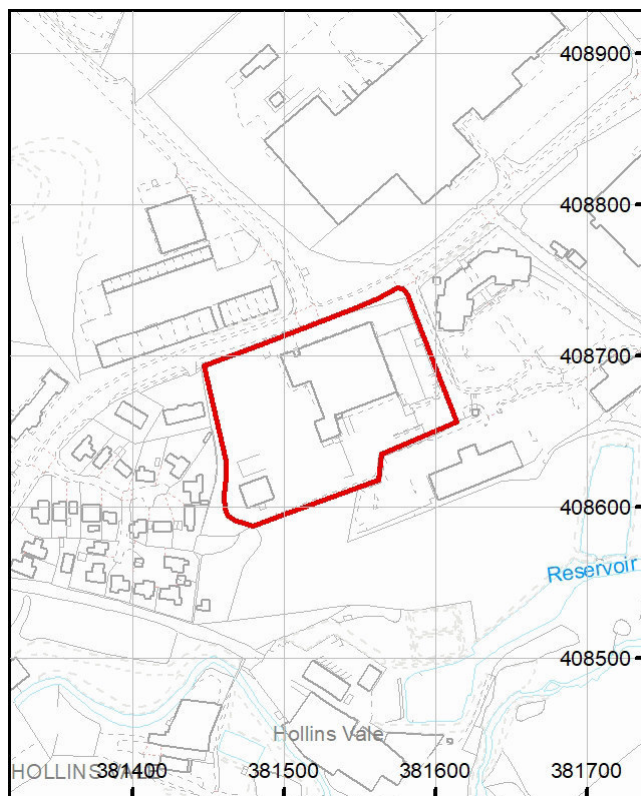
Enquiry boundary

Key

Approximate position of enquiry boundary shown



We can confirm that the location is
on the coalfield



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This report is prepared in accordance with the latest Law Society's Guidance Notes 2018, the User Guide 2018 and the Coal Authority's Terms and Conditions applicable at the time the report was produced.



Accessibility

If you would like this information in an alternative format, please contact our communications team on 0345 762 6848 or email communications@coal.gov.uk.

Professional opinion



Future development

If development proposals are being considered, technical advice relating to both the investigation of coal and former coal mines and their treatment should be obtained before beginning work on site. All proposals should apply specialist engineering practice required for former mining areas. No development should be undertaken that intersects, disturbs or interferes with any coal or coal mines without first obtaining the permission of the Coal Authority. Developers should be aware that the investigation of coal seams, mine workings or mine entries may have the potential to generate and/or displace underground gases. Associated risks both to the development site and any neighbouring land or properties should be fully considered when undertaking any ground works. The need for effective measures to prevent gases migrating onto any land or into any properties, either during investigation or remediation work, or after development must also be assessed and properly addressed.

If you are looking to develop, or undertake works, within a coal mining development high risk area your Local Authority planning department may require a Coal Mining Risk Assessment to be undertaken by a qualified mining geologist or engineer. Should you require any additional information then please contact the Coal Authority on **0345 762 6848** or email **cmra@coal.gov.uk**.

Detailed findings

Information provided by the Coal Authority in this report is compiled in response to the Law Society's CON29M Coal Mining enquiries. The said enquiries are protected by copyright owned by the Law Society of 113 Chancery Lane, London WC2A 1PL.

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1 Past underground coal mining

The property is not within a surface area that could be affected by any past recorded underground coal mining.

However the property is in an area where the Coal Authority believes there is coal at or close to the surface. This coal may have been worked at some time in the past. The potential presence of coal workings at or close to the surface should be considered, particularly prior to any site works or future development activity, as ground movement could still be a risk. Your attention is drawn to the Professional opinion sections of the report.

2 Present underground coal mining

The property is not within a surface area that could be affected by present underground mining.

3 Future underground coal mining

The property is not in an area where the Coal Authority has received an application for, and is currently considering whether to grant a licence to remove or work coal by underground methods.

The property is not in an area where a licence has been granted to remove or otherwise work coal using underground methods.

The property is not in an area likely to be affected from any planned future underground coal mining.

However, reserves of coal exist in the local area which could be worked at some time in the future.

No notices have been given, under section 46 of the Coal Mining Subsidence Act 1991, stating that the land is at risk of subsidence.

4 Mine entries

There are no recorded coal mine entries known to the Coal Authority within, or within 20 metres, of the boundary of the property.

This information is based on the information that the Coal Authority has at the time of this enquiry.

Based on the Coal Authority's knowledge of the mining circumstances at the time of this enquiry, there may be unrecorded mine entries in the local area that do not appear on Coal Authority records.

5 Coal mining geology

The Coal Authority is not aware of any damage due to geological faults or other lines of weakness that have been affected by coal mining.

6 Past opencast coal mining

The property is not within the boundary of an opencast site from which coal has been removed by opencast methods.

7 Present opencast coal mining

The property does not lie within 200 metres of the boundary of an opencast site from which coal is being removed by opencast methods.

8 Future opencast coal mining

There are no licence requests outstanding to remove coal by opencast methods within 800 metres of the boundary.

The property is not within 800 metres of the boundary of an opencast site for which a licence to remove coal by opencast methods has been granted.

9 Coal mining subsidence

The Coal Authority has not received a damage notice or claim for the subject property, or any property within 50 metres of the enquiry boundary, since 31 October 1994.

There is no current Stop Notice delaying the start of remedial works or repairs to the property.

The Coal Authority is not aware of any request having been made to carry out preventive works before coal is worked under section 33 of the Coal Mining Subsidence Act 1991.

10 Mine gas

The Coal Authority has no record of a mine gas emission requiring action.

11 Hazards related to coal mining

The property has not been subject to remedial works, by or on behalf of the Coal Authority, under its Emergency Surface Hazard Call Out procedures.

12 Withdrawal of support

The property is not in an area where a notice to withdraw support has been given.

The property is not in an area where a notice has been given under section 41 of the Coal Industry Act 1994, cancelling the entitlement to withdraw support.

13 Working facilities order

The property is not in an area where an order has been made, under the provisions of the Mines (Working Facilities and Support) Acts 1923 and 1966 or any statutory modification or amendment thereof.

14 Payments to owners of former copyhold land

The property is not in an area where a relevant notice has been published under the Coal Industry Act 1975/Coal Industry Act 1994.

Statutory cover



Coal mining subsidence

In the unlikely event of any coal mining related subsidence damage, the Coal Authority or the mine operator has a duty to take remedial action in respect of subsidence caused by the withdrawal of support from land or property in connection with lawful coal mining operations.

When the works are the responsibility of the Coal Authority, our dedicated public safety and subsidence team will manage the claim. The house or land owner ("the owner") is covered for these works under the terms of the Coal Mining Subsidence Act 1991 (as amended by the Coal Industry Act 1994). Please note, this Act does not apply where coal was worked or gotten by virtue of the grant of a gale in the Forest of Dean, or any other part of the Hundred of St. Briavels in the county of Gloucester.

If you believe your land or property is suffering from coal mining subsidence damage and you need more information on what to do next, please use the following link to our website which sets out what your rights are and what you need to consider before making a claim.

www.gov.uk/government/publications/coal-mining-subsidence-damage-notice-form



Coal mining hazards

Our public safety and subsidence team provide a 24 hour a day, 7 days a week hazard reporting service, to help protect the public from hazards caused by past coal workings, such as a mine shaft or shallow working collapse. To report any hazards please call **01623 646 333**. Further information can be found on our website: www.gov.uk/coalauthority.

Glossary



Key terms

adit - horizontal or sloped entrance to a mine

coal mining subsidence - ground movement caused by the removal of coal by underground mining

Coal Mining Subsidence Act 1991 - the Act setting out the duties of the Coal Authority to repair damage caused by coal mining subsidence

coal mining subsidence damage - damage to land, buildings or structures caused by the removal of coal by underground mining

coal seams - bed of coal of varying thickness

future opencast coal mining - a licence granted, or licence application received, by the Coal Authority to excavate coal from the surface

future underground coal mining - a licence granted, or licence application received, by the Coal Authority to excavate coal underground. Although it is unlikely, remaining coal reserves could create a possibility for future mining, which would be licensed by the Coal Authority

mine entries - collective name for shafts and adits

payments to owners of former copyhold land - historically, copyhold land gave rights to coal to the copyholder. Legislation was set up to allow others to work this coal, but they had to issue a notice and pay compensation if a copyholder came forward

shaft - vertical entry into a mine

site investigation - investigations of coal mining risks carried out with the Coal Authority's permission

stop notice - a delay to repairs because further coal mining subsidence damage may occur and it would be unwise to carry out permanent repairs

subsidence claim - a formal notice of subsidence damage to the Coal Authority since it was established on 31 October 1994

withdrawal of support - a historic notice informing landowners that the coal beneath their property was going to be worked

working facilities orders - a court order which gave permission, restricted or prevented coal mine workings



APPENDIX 6 - BGS Records

Norwest Holst Soil Engineering Ltd.

Borehole No.

4

Contract No. F4767

BOREHOLE LOG

Location Pilsworth - Bury

Sheet 1 of 1

Client Metropolitan Borough of Bury

SD80 NW 214

Chainage

Method of Boring Percussion

Ground Level 79.5 m.A.O.D.

Diameter of Borehole 150mm

8144 0856

Date 4/11/80 - 5/11/80

Description of Strata	Legend	Depth Below G.L. (m)	O.D. Level (m)	Casing Depth at Sampling	Sampling and Coring	"N"/R.Q.D.%	Daily Progress
TOPSOIL		0.20	79.3				
Loose/medium dense brown SAND with traces of clay					0.50	11	
					1.50	10	
					2.50	11	
		3.90	75.6		3.50	12	
					4.00		
Firm brown sandy silty often laminated CLAY with bands of clayey silt					5.00		
					6.00		
		6.80	72.7		6.50		
					7.00		
Stiff brown sandy silty friable CLAY with some gravel and occasional cobbles (almost clayey sandy silt)					8.00		
		8.50	71.0			50 for no penetration	

Type of Sample

- Is S.P.T. ☐ Undisturbed
 Ic. C.P.T. ☒ Vane
 O Jar ☒ Water
 ● Bulk ☒ Piezometer

Remarks (Observations of Ground Water etc.)

Water seepage from 3.60m no rise in 20 mins.
 Piezometer installed at 3.0m. Seals at 2.0m and 3.5m
 Piezometer standing level 13/nov. 0.4m.
 " " " 4/Dec. 0.3m

Norwest Holst Soil Engineering Ltd.

Borehole No.

5

Contract No. F4767

BOREHOLE LOG

Location Pilsworth - Bury

Sheet 1 of 1

Client Metropolitan Borough of Bury SDBOMW 215

Chainage

Method of Boring Percussion

Ground Level 79.7 m.A.O.D.

Diameter of Borehole 150 mm

8148 0856

Date 2/12/80

Description of Strata	Legend	Depth Below G.L. (m)	O.D. Level (m)	Casing Depth at Sampling	Sampling and Coring	"N"/R.Q.D. %	Daily Progress
TOPSOIL.		0.40	79.3				
Loose to medium dense yellow brown clayey SAND.		1.80	77.9		0.50 1.50	9 15	
Firm grey brown very silty sandy CLAY with some laminations and silt bands.		5.30	74.4		2.50 3.50 4.50		
Medium dense brown fine and medium SAND.		5.50	74.2		5.50		
Firm/stiff dark brown silty sandy CLAY with fine and medium sub rounded gravel.		9.00	70.7		6.50 7.60 8.50		

Type of Sample

- Is S.P.T. Undisturbed
- Ic. C.P.T. Vane
- O Jar Water
- Bulk Piezometer

Remarks (Observations of Ground Water etc.)

Water seepage from 5.30 m casing at 3.00.
Chiselling 1 hr from 7.20 to 7.60.

D. STRATA LOG			
Geological			
Classification	Description of Strata	Thickness	Depth
(BGS only)		M	M
	Backfill	2	0 - 2
	Sand and gravel	31	2 - 33
	Marl	1	33 - 34
	Sandstone/marl	8	34 - 42
	Sandstone	34	42 - 76
	Sandstone/marl	4	76 - 80
	Marl with narrow sandstone bands	9	80 - 89
	Other Comments		

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FILE: CONSENT NO: BGS REF. NO:
 LICENCE NO: USE OF BH: NGR:



APPENDIX 7 - CIRIA Risk Assessment Methodology

Contaminated Land Risk Assessment

Contaminated Land Risk Assessment is a technique that identifies and considers the associated risk, determines whether the risks are significant and whether action needs to be taken. The four main stages of risk assessment are:

Hazard Identification ➡ Hazard Assessment ➡ Risk Estimation ➡ Risk Evaluation

CLR11 outlines the framework to be followed for risk assessment in the UK. The framework is designed to be consistent with UK legislation and policies including planning. The starting point of the risk assessment is to identify the context of the problem and the objectives of the process. Under CLR11, three tiers of risk assessment exist - Preliminary, Generic Quantitative and Detailed Quantitative.

Formulating and developing a conceptual model for the site is an important requirement of risk assessment, this supports the identification and assessment of pollutant linkages. Development of the conceptual model forms the main part of preliminary risk assessment, and the model is subsequently refined or revised as more information and understanding is obtained through the risk assessment process.

Risk is a combination of the likelihood of an event occurring and the magnitude of its consequences. Therefore, both the likelihood and the consequences of an event must be taken into account when assessing risk.

The risk assessment process needs to take into account the degree of confidence required in decisions. Identification of uncertainties is an essential step in risk assessment.

The likelihood of an event is classified on a four-point system using the following terms and definitions from CIRIA C552:

- **High likelihood:** There is a pollution linkage and an event appears very likely in the short term and almost inevitable over the long term, or there is evidence at the receptor of harm or pollution;
- **Likely:** There is a pollution linkage and all the elements are present and in the right place, which means it is probable that an event will occur. Circumstances are such that the event is not inevitable, but possible in the short term and likely over the long term;
- **Low likelihood:** There is a pollution linkage and circumstances are possible under which an event could occur. However, it is by no means certain even over a longer period such event would take place, and is less likely in the short term;
- **Unlikely:** There is a pollution linkage but circumstances are such that it is improbable the event would occur even in the long term.

The severity is also classified using a system based on CIRIA C552. The terms and definitions are:

- **Severe:** Short term (acute) risk to human health likely to result in 'significant harm' as defined by the Environment Protection Act 1990, Part IIA. Short-term risk of pollution of sensitive water resources. Catastrophic damage to buildings or property. A short-term risk to a particular ecosystem or organism forming part of that ecosystem (note definition of ecosystem in 'Draft Circular on Contaminated Land', DETR 2000);
Examples – High concentrations of contaminant on surface of recreation area, major spillage of contaminants from site into controlled waters, explosion causing building to collapse;

- **Medium:** Chronic damage to human health ('significant harm' as defined in DETR 2000). Pollution of sensitive water resources. A significant change in a particular ecosystem or organism forming part of that ecosystem (note definition of ecosystem in 'Draft Circular on Contaminated Land', DETR 2000);
Examples - Concentrations of contaminants exceed the generic assessment criteria, leaching of contaminants from a site to a Principal or Secondary Aquifer, death of species within a designated nature reserve;
- **Mild:** Pollution of non-sensitive water resources. Significant damage to crops, buildings, structures and services ('significant harm' as defined in 'Draft Circular on Contaminated Land', DETR 2000). Damage to sensitive buildings, structures, services or the environment;
Examples – Pollution of non-classified groundwater or damage to buildings rendering it unsafe to occupy.
- **Minor:** harm, not necessarily significant harm, which may result in financial loss or expenditure to resolve. Non-permanent health effects to human health (easily prevented by use of personal protective clothing etc). Easily repairable effects of damage to buildings, structures and services.
Examples – Presence of contaminants at such concentrations PPE is required during site work, loss of plants in landscaping scheme or discolouration of concrete.

Once the likelihood and severity have been determined, a risk category can be assigned using the table below.

		Consequences			
		Severe	Medium	Mild	Minor
Probability	Highly likely	Very high	High	Moderate	Moderate/low
	Likely	High	Moderate	Moderate/low	Low
	Low likelihood	Moderate	Moderate/low	Low	Very low
	Unlikely	Moderate/low	Low	Very Low	Very low

Definitions of the risk categories obtained from the above table are as follows together with an assessment of the further work that might be required:

- **Very high:** There is a high probability that severe harm could arise to a designated receptor from an identified hazard or there is evidence that severe harm is currently happening. This risk, if realised, could result in substantial liability. Urgent investigation and remediation are likely to be required;
- **High:** Harm is likely to arise to a designated receptor from an identified hazard. Realisation of the risk is likely to present a substantial liability. Urgent investigation is required and remedial works may be necessary in the short term and are likely over the longer term;
- **Moderate:** It is possible that harm could arise to a designated receptor from an identified hazard. However, it is either relatively unlikely that any such harm would be severe, or if any harm were to occur it would be more likely to be relatively mild. Investigation is normally required to clarify the risk and determine the liability. Some remedial works may be required in the longer term;
- **Low:** It is possible that harm could arise to a designated receptor from an identified hazard, but it is likely that this harm, if realised, would at worst normally be mild;
- **Very Low:** There is a low possibility that harm could arise to a receptor. In the event of such harm being realised, it is not likely to be severe.



APPENDIX 8 - Contaminated Land Legislative Background

Legislative Background

Environmental liabilities and risks have been evaluated in terms of a source -pathway - target relationship in accordance with the approach set out in:

- The 1995 Environment Act;
- The Contaminated Land (England) Regulations 2000;
- The DETR circular 02/2000 Environmental Protection Act 1990: Part IIA Contaminated Land.

Contaminated land is defined within the legislative framework as land which is in such condition by reason of substances in, on or under the land that:

- 1) Significant harm is being caused or there is a significant possibility of such harm being caused;
- 2) Significant pollution of controlled waters is being or is likely to be caused.

The potential for harm is based on the presence of three factors:

- **Source** - substances that are potential contaminants or pollutants that may cause harm;
- **Pathway** - a potential route by which contaminants can move from the source to the receptor;
- **Receptor** - a receptor that may be harmed, for example the water environment, humans and water.

Where a source, pathway and target are all present a pollutant linkage exists and there is potential for harm to be caused. The presence of a source does not automatically imply that a contamination problem exists, since contamination must be defined in terms of pollutant linkages and unacceptable risk of harm. The nature and importance of both pathways and receptors are site specific and will vary according to the intended end use of the site, its characteristics and its surroundings.

The key principle which supports the SPR approach is 'suitable for use' criteria. This requires remedial action only where contamination is considered to pose unacceptable actual or potential risks to health or the environment and, taking into account the proposed use of the site.

Relevant Guidance Documents

This report has been prepared in accordance with the list of guidance below however the list is not exhaustive:

- CLR11 – Model Procedures;
- Contamination and Environmental Matters - Their implications for Property Professionals (2nd Edition RICS Nov 2003);
- Brownfields – Managing the development of previously developed land – A client's guide, CIRIA 2002;
- DEFRA and Environment Agency publications CLR7 – 10, supported by the TOX guides and SGV guides, dated March 2002;
- DETR Circular 02/2000, Contaminated Land: Implementation of Part IIA of the Environmental Protection Act 1990;
- Environment Agency technical advice to third parties on Pollution of Controlled Waters for Part IIA of the EPA1990, May 2002;

Relevant Legislative Documents

The following is a non-exhaustive list of legislative framework documents that has been considered in the production of this report:

- The Environment Act (1995);
- The Environmental Protection Act 1990: Part 2A Contaminated Land Statutory Guidance (2012);
- The Environment Protection Act (1990);
- The Contaminated Land (England) Act (2000);
- Contaminated Land (England) Regulations (2012);
- The Water Resources Act (1991);
- The Pollution Prevention and Control (England and Wales) Regulations (2000);
- The Landfill Regulations (England and Wales) Regulations (2002);
- The Landfill (England and Wales) (Amendment) Regulations (2004);
- Health and Safety at Work Act;



APPENDIX 9 - Limitations

Limitations

This contract was completed by Groundtech Consulting on the basis of a defined programme and scope of works and terms and conditions agreed with the client. This report was compiled with due skill and care, taking into consideration the project brief provided, project objectives, agreed scope of works, prevailing site conditions and budget allocation.

Other than that defined in the paragraph above, Groundtech Consulting provides no other accountability or warranty whether express or implied, is made in relation to the services. Unless otherwise agreed this report has been prepared exclusively for the use and reliance of the client in accordance with generally accepted industry practices and for the intended purposes as stated in the agreement under which this work was completed. This report may not be relied upon, or transferred to, by any other party without the written agreement of a Director of Groundtech Consulting. A third party who relies on this report, does so at their own and sole risk and no liability to such parties is provided by Groundtech Consulting.

It is the understanding of Groundtech Consulting that this report is to be used for the intended purpose as set out in the introduction. The purpose was instrumental in determining the scope and level of the services provided. Should the purpose of the report or the proposed end use of the site change, this report will no longer be directly applicable, and its validity readdressed. No reliance upon the report in the revised situation should be assumed by the client without the permission of Groundtech Consulting.

The report was written in 2022, later changes in legislation, statutory requirements and industry best practices have not been considered and this should be allowed for. Ground conditions can also change and should be investigated if there is any significant delay in acting on the findings of this report. The period of time may result in changes in site conditions, regulatory or other legal provisions, technology or economic conditions which could render the report inaccurate or unreliable. The information and conclusions in this report should not be relied upon in the future without the written confirmation from Groundtech Consulting that it is safe to do so.

The observations and conclusions outlined in this report are based exclusively on the services that were provided as set out in the agreement between the client and Groundtech Consulting.

Groundtech Consulting are not liable for the existence of any condition, the discovery of which would require additional investigation outside the agreed scope of works or core competency. The services provided are based upon Groundtech Consulting observations of existing physical conditions at the site gained from site reconnaissance together with interpretation of information including documentation, obtained from third parties and from the client on the history and usage of the site. The findings and recommendations contained in this report are based in part upon information provided by third parties, and Groundtech Consulting assume the information to be correct.

No responsibility can be accepted for errors for third party information presented in this report. Groundtech Consulting were not authorised to independently verify the accuracy or completeness of information, documentation or materials received from the client or third parties, including laboratories and information services, during the performance of the services. Groundtech Consulting are not liable for any inaccurate information, misrepresentation of data or conclusions, which may inform the scope of investigation undertaken by Groundtech Consulting and forms the contract with the client.

Where field investigations have been carried out these have been restricted to a level of detail required to achieve the stated objectives of the work. Ground conditions can also be variable due to its heterogeneous properties and as investigation exploratory locations only allow examination of the ground at discrete locations. The potential exists for ground conditions to be encountered which are different to those considered in this report, particularly between exploratory holes. The extent of the limited area depends on the soil and groundwater conditions, together with other constraints such as the position of any existing structures and underground utilities. Geo-Environmental testing was carried out for a limited number of parameters [as stipulated in the contract] based on an understanding of the available operational and historical information, and it should not be inferred that other chemical species are not present.

The groundwater conditions entered on the exploratory hole records are those observed at the time of investigation. The groundwater level often has not had time to reach equilibrium and a monitoring period is required. Furthermore, groundwater levels are subject to seasonal variation or changes in local drainage conditions and higher groundwater levels may occur at other times of the year than were recorded during this investigation.

Any site drawings provided in this report are not meant to be an accurate base plan, but are preliminary and used to present the general relative locations of features on, and surrounding, the site.

