

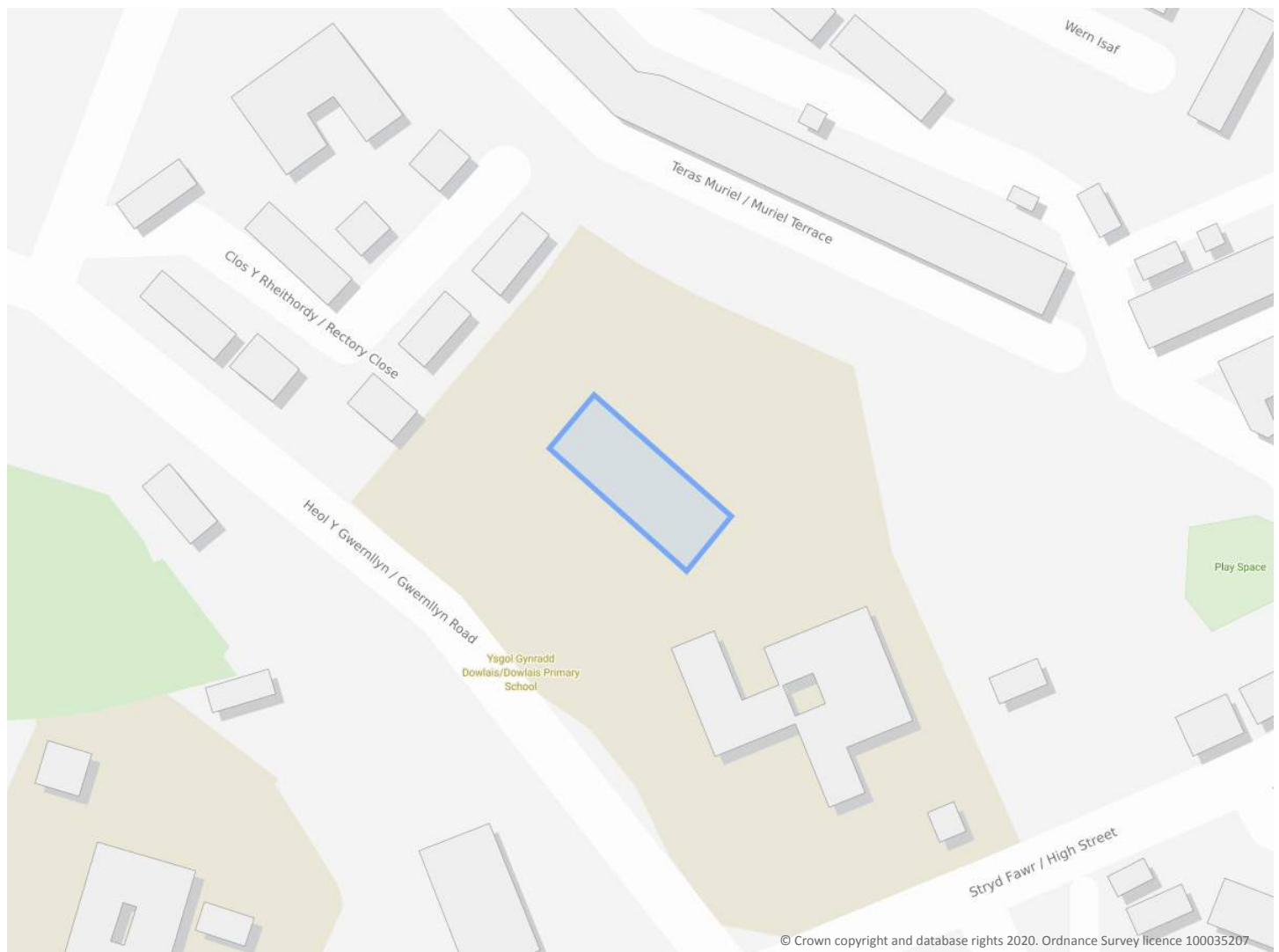
DOWLAIS PRIMARY SCHOOL, HIGH STREET CAEHARRIS, DOWLAIS, MERTHYR TYDFIL, CF48 3HB

Order Details

Date: 06/03/2020
Your ref: MRS_7485d_FlyingStart_PO8881
Our Ref: ESP-6668406
Client: Earth Science Partnership Ltd

Site Details

Location: 307026 207976
Area: 0.07 ha



Summary of findings

p. 2

Aerial image

p. 8

OS MasterMap site plan

p.13

groundsure.com/insightuserguide

Contact us with any questions at:

info@groundsure.com

08444 159 000

Summary of findings

Page	Section	Past land use	On site	0-50m	50-250m	250-500m	500-2000m
14	1.1	<u>Historical industrial land uses</u>	5	0	67	193	-
24	1.2	<u>Historical tanks</u>	0	1	20	52	-
27	1.3	<u>Historical energy features</u>	0	0	3	7	-
28	1.4	Historical petrol stations	0	0	0	0	-
28	1.5	<u>Historical garages</u>	0	0	0	1	-
28	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
29	2.1	<u>Historical industrial land uses</u>	5	0	84	255	-
42	2.2	<u>Historical tanks</u>	0	1	37	70	-
46	2.3	<u>Historical energy features</u>	0	0	13	17	-
47	2.4	Historical petrol stations	0	0	0	0	-
48	2.5	<u>Historical garages</u>	0	0	0	4	-
Page	Section	Waste and landfill	On site	0-50m	50-250m	250-500m	500-2000m
49	3.1	Active or recent landfill	0	0	0	0	-
49	3.2	Historical landfill (BGS records)	0	0	0	0	-
50	3.3	<u>Historical landfill (LA/mapping records)</u>	0	0	2	0	-
50	3.4	Historical landfill (EA/NRW records)	0	0	0	0	-
50	3.5	Historical waste sites	0	0	0	0	-
50	3.6	Licensed waste sites	0	0	0	0	-
51	3.7	<u>Waste exemptions</u>	0	0	7	7	-
Page	Section	Current industrial land use	On site	0-50m	50-250m	250-500m	500-2000m
53	4.1	<u>Recent industrial land uses</u>	0	0	3	-	-
54	4.2	Current or recent petrol stations	0	0	0	0	-
54	4.3	Electricity cables	0	0	0	0	-
54	4.4	Gas pipelines	0	0	0	0	-
54	4.5	Sites determined as Contaminated Land	0	0	0	0	-



54	4.6	Control of Major Accident Hazards (COMAH)	0	0	0	0	-
55	4.7	Regulated explosive sites	0	0	0	0	-
55	4.8	Hazardous substance storage/usage	0	0	0	0	-
55	4.9	Historical licensed industrial activities (IPC)	0	0	0	0	-
55	4.10	Licensed industrial activities (Part A(1))	0	0	0	0	-
55	4.11	<u>Licensed pollutant release (Part A(2)/B)</u>	0	0	0	1	-
56	4.12	Radioactive Substance Authorisations	0	0	0	0	-
56	4.13	<u>Licensed Discharges to controlled waters</u>	0	0	1	3	-
57	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
57	4.15	Pollutant release to public sewer	0	0	0	0	-
57	4.16	List 1 Dangerous Substances	0	0	0	0	-
57	4.17	List 2 Dangerous Substances	0	0	0	0	-
58	4.18	<u>Pollution Incidents (EA/NRW)</u>	0	1	18	32	-
63	4.19	Pollution inventory substances	0	0	0	0	-
63	4.20	Pollution inventory waste transfers	0	0	0	0	-
63	4.21	Pollution inventory radioactive waste	0	0	0	0	-
Page	Section	Hydrogeology	On site	0-50m	50-250m	250-500m	500-2000m
65	5.1	<u>Superficial aquifer</u>	Identified (within 500m)				
66	5.2	<u>Bedrock aquifer</u>	Identified (within 500m)				
67	5.3	<u>Groundwater vulnerability</u>	Identified (within 50m)				
68	5.4	Groundwater vulnerability- soluble rock risk	None (within 0m)				
68	5.5	Groundwater vulnerability- local information	None (within 0m)				
69	5.6	<u>Groundwater abstractions</u>	0	0	0	0	3
70	5.7	<u>Surface water abstractions</u>	0	0	0	0	6
72	5.8	Potable abstractions	0	0	0	0	0
72	5.9	Source Protection Zones	0	0	0	0	-
73	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-
Page	Section	Hydrology	On site	0-50m	50-250m	250-500m	500-2000m
74	6.1	<u>Water Network (OS MasterMap)</u>	0	0	11	-	-



75	6.2	<u>Surface water features</u>	0	0	4	-	-
76	6.3	<u>WFD Surface water body catchments</u>	1	-	-	-	-
76	6.4	<u>WFD Surface water bodies</u>	0	0	0	-	-
77	6.5	<u>WFD Groundwater bodies</u>	1	-	-	-	-
Page	Section	River and coastal flooding	On site	0-50m	50-250m	250-500m	500-2000m
78	7.1	Risk of Flooding from Rivers and Sea (RoFRaS)	None (within 50m)				
78	7.2	Historical Flood Events	0	0	0	-	-
78	7.3	Flood Defences	0	0	0	-	-
78	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
79	7.5	Flood Storage Areas	0	0	0	-	-
80	7.6	Flood Zone 2	None (within 50m)				
80	7.7	Flood Zone 3	None (within 50m)				
Page	Section	Surface water flooding					
81	8.1	<u>Surface water flooding</u>	1 in 30 year, 0.3m - 1.0m (within 50m)				
Page	Section	Groundwater flooding					
83	9.1	<u>Groundwater flooding</u>	Moderate (within 50m)				
Page	Section	Environmental designations	On site	0-50m	50-250m	250-500m	500-2000m
84	10.1	Sites of Special Scientific Interest (SSSI)	0	0	0	0	0
84	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
84	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
84	10.4	Special Protection Areas (SPA)	0	0	0	0	0
85	10.5	National Nature Reserves (NNR)	0	0	0	0	0
85	10.6	Local Nature Reserves (LNR)	0	0	0	0	0
85	10.7	Designated Ancient Woodland	0	0	0	0	0
85	10.8	Biosphere Reserves	0	0	0	0	0
86	10.9	Forest Parks	0	0	0	0	0
86	10.10	Marine Conservation Zones	0	0	0	0	0
86	10.11	Green Belt	0	0	0	0	0
86	10.12	Proposed Ramsar sites	0	0	0	0	0



86	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
87	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
87	10.15	Nitrate Sensitive Areas	0	0	0	0	0
87	10.16	Nitrate Vulnerable Zones	0	0	0	0	0
88	10.17	SSSI Impact Risk Zones	0	-	-	-	-
88	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
89	11.1	World Heritage Sites	0	0	0	-	-
90	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
90	11.3	National Parks	0	0	0	-	-
90	11.4	Listed Buildings	0	0	2	-	-
91	11.5	Conservation Areas	0	0	1	-	-
91	11.6	Scheduled Ancient Monuments	0	0	0	-	-
91	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	Agricultural designations	On site	0-50m	50-250m	250-500m	500-2000m
92	12.1	Agricultural Land Classification	Grade 4 (within 250m)				
93	12.2	Open Access Land	0	0	0	-	-
93	12.3	Tree Felling Licences	0	0	0	-	-
93	12.4	Environmental Stewardship Schemes	0	0	0	-	-
93	12.5	Countryside Stewardship Schemes	0	0	0	-	-
Page	Section	Habitat designations	On site	0-50m	50-250m	250-500m	500-2000m
94	13.1	Priority Habitat Inventory	0	0	0	-	-
94	13.2	Habitat Networks	0	0	0	-	-
94	13.3	Open Mosaic Habitat	0	0	0	-	-
94	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
95	14.1	10k Availability	Identified (within 500m)				
96	14.2	Artificial and made ground (10k)	0	0	0	0	-
97	14.3	Superficial geology (10k)	0	0	0	0	-

97	14.4	Landslip (10k)	0	0	0	0	-
98	14.5	Bedrock geology (10k)	0	0	0	0	-
98	14.6	Bedrock faults and other linear features (10k)	0	0	0	0	-
Page	Section	Geology 1:50,000 scale	On site	0-50m	50-250m	250-500m	500-2000m
99	15.1	<u>50k Availability</u>	Identified (within 500m)				
100	15.2	<u>Artificial and made ground (50k)</u>	0	0	2	1	-
101	15.3	Artificial ground permeability (50k)	0	0	-	-	-
102	15.4	<u>Superficial geology (50k)</u>	1	0	0	0	-
103	15.5	<u>Superficial permeability (50k)</u>	Identified (within 50m)				
103	15.6	Landslip (50k)	0	0	0	0	-
103	15.7	Landslip permeability (50k)	None (within 50m)				
104	15.8	<u>Bedrock geology (50k)</u>	1	0	1	1	-
105	15.9	<u>Bedrock permeability (50k)</u>	Identified (within 50m)				
105	15.10	<u>Bedrock faults and other linear features (50k)</u>	0	0	0	1	-
Page	Section	Boreholes	On site	0-50m	50-250m	250-500m	500-2000m
106	16.1	<u>BGS Boreholes</u>	0	0	9	-	-
Page	Section	Natural ground subsidence					
108	17.1	<u>Shrink swell clays</u>	Very low (within 50m)				
109	17.2	<u>Running sands</u>	Very low (within 50m)				
110	17.3	<u>Compressible deposits</u>	Negligible (within 50m)				
111	17.4	<u>Collapsible deposits</u>	Very low (within 50m)				
112	17.5	<u>Landslides</u>	Low (within 50m)				
114	17.6	<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
116	18.1	Natural cavities	0	0	0	0	-
117	18.2	BritPits	0	0	0	0	-
117	18.3	<u>Surface ground workings</u>	0	0	39	-	-
118	18.4	<u>Underground workings</u>	0	0	0	2	27
120	18.5	Historical Mineral Planning Areas	0	0	0	0	-



<u>120</u>	<u>18.6</u>	<u>Non-coal mining</u>	1	0	0	0	1
120	18.7	Mining cavities	0	0	0	0	0
121	18.8	JPB mining areas	None (within 0m)				
<u>121</u>	<u>18.9</u>	<u>Coal mining</u>	Identified (within 0m)				
121	18.10	Brine areas	None (within 0m)				
121	18.11	Gypsum areas	None (within 0m)				
122	18.12	Tin mining	None (within 0m)				
122	18.13	Clay mining	None (within 0m)				
Page	Section	Radon					
<u>123</u>	<u>19.1</u>	<u>Radon</u>	Less than 1% (within 0m)				
Page	Section	Soil chemistry	On site	0-50m	50-250m	250-500m	500-2000m
<u>124</u>	<u>20.1</u>	<u>BGS Estimated Background Soil Chemistry</u>	1	5	-	-	-
124	20.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
125	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
126	21.1	Underground railways (London)	0	0	0	-	-
126	21.2	Underground railways (Non-London)	0	0	0	-	-
127	21.3	Railway tunnels	0	0	0	-	-
<u>127</u>	<u>21.4</u>	<u>Historical railway and tunnel features</u>	5	4	22	-	-
128	21.5	Royal Mail tunnels	0	0	0	-	-
<u>128</u>	<u>21.6</u>	<u>Historical railways</u>	0	4	8	-	-
129	21.7	Railways	0	0	0	-	-
129	21.8	Crossrail 1	0	0	0	0	-
130	21.9	Crossrail 2	0	0	0	0	-
130	21.10	HS2	0	0	0	0	-

Recent aerial photograph



Capture Date: 17/06/2017

Site Area: 0.07ha



Recent site history - 2014 aerial photograph



Capture Date: 23/07/2014

Site Area: 0.07ha



Recent site history - 2010 aerial photograph



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Capture Date: 22/05/2010

Site Area: 0.07ha



Recent site history - 2001 aerial photograph



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Capture Date: 27/08/2001

Site Area: 0.07ha

Recent site history - 2000 aerial photograph



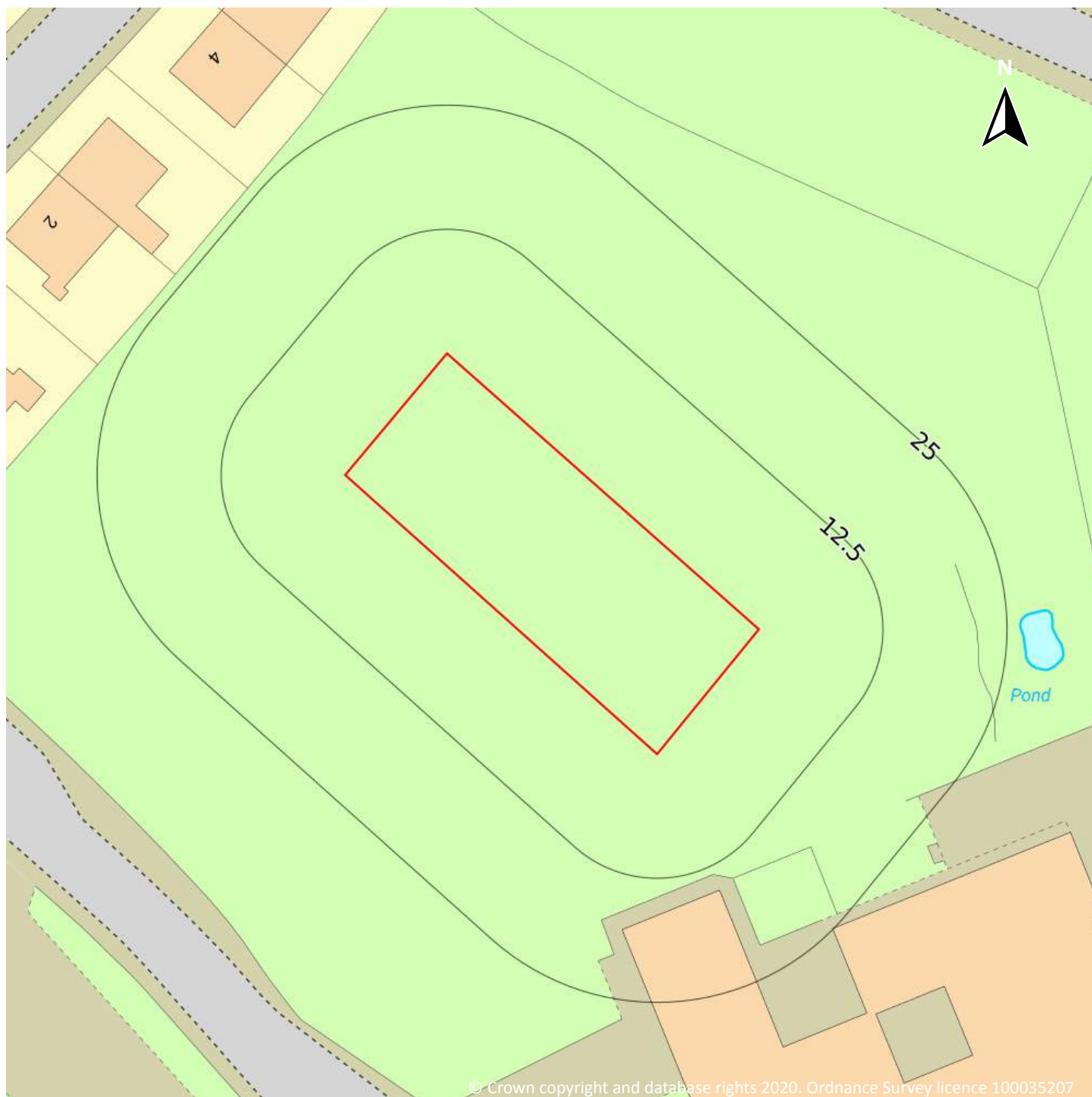
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Capture Date: 18/06/2000

Site Area: 0.07ha



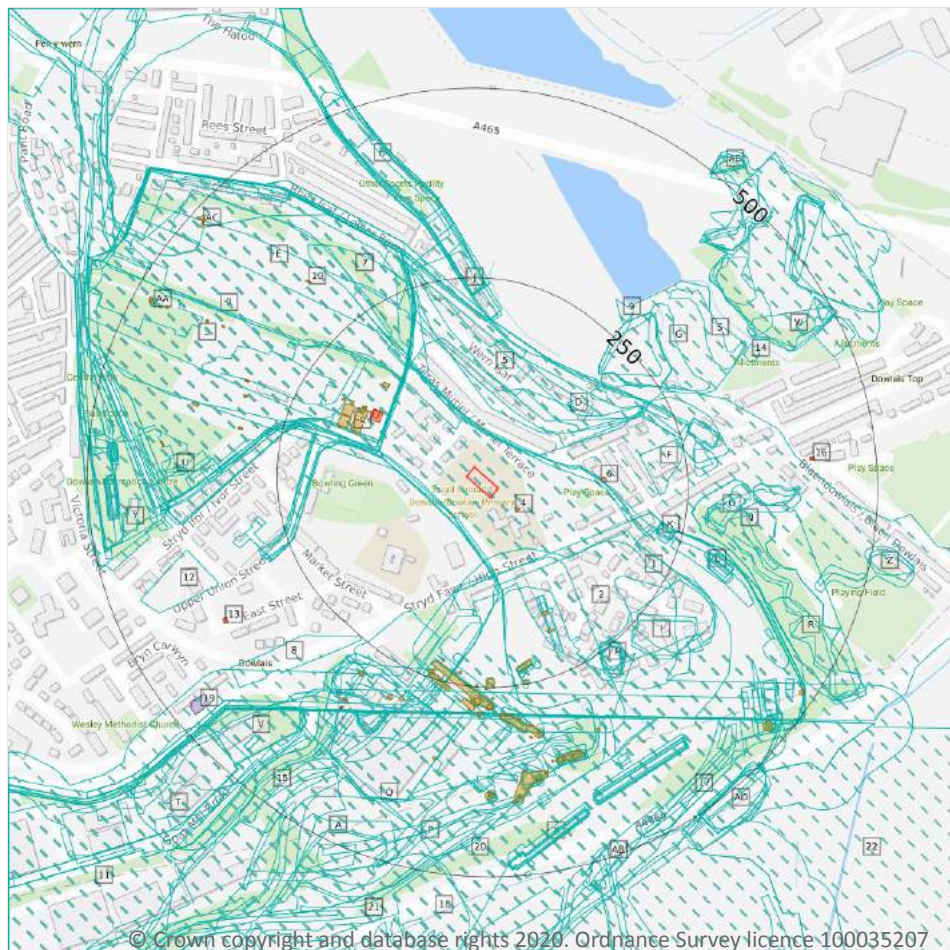
OS MasterMap site plan



Site Area: 0.07ha



1 Past land use



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

1.1 Historical industrial land uses

Records within 500m

265

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 14**

ID	Location	Land use	Dates present	Group ID
1	On site	Railway Sidings	1875	1034027



ID	Location	Land use	Dates present	Group ID
2	On site	Railway Sidings	1982	1105213
3	On site	Railway Sidings	1965	1094700
A	On site	Railway Sidings	1921 - 1948	1060546
A	On site	Railway Sidings	1901 - 1903	1115994
B	55m NW	Railway Sidings	1922	1090890
A	75m S	Iron Works	1875	1110618
B	80m NE	Railway Sidings	1901	1057428
A	98m S	Iron Works	1948	1034045
A	98m S	Iron Works	1901 - 1903	1090698
5	105m N	Refuse Heap	1922	1039973
B	109m NE	Railway Sidings	1921	1062147
A	111m S	Iron Works	1921 - 1922	1035153
A	118m S	Railway Sidings	1975	1057429
B	120m W	Iron Works	1921	1091334
B	121m W	Iron Works	1901 - 1903	1069853
B	124m W	Unspecified Works	1982	1090403
B	124m W	Unspecified Works	1975	1148650
B	125m W	Iron Works	1922	1112817
B	125m W	Unspecified Commercial/Industrial	1922 - 1948	1123033
A	125m S	Unspecified Commercial/Industrial	1875	1069543
B	125m W	Iron Works	1965	1070968
B	125m W	Iron Works	1875	1138361
D	141m NE	Old Ironstone Shaft	1921	993616
D	144m NE	Old Ironstone Shaft	1922	993615
A	145m SE	Smithy	1948	1065471
A	145m SE	Smithy	1922	1109677
E	147m NW	Unspecified Commercial/Industrial	1922	1069187
A	154m SE	Smithy	1921	1046038



ID	Location	Land use	Dates present	Group ID
D	171m NE	Unspecified Heap	1922	1156934
A	181m SW	Unspecified Works	1965	1020631
F	192m E	Burial Ground	1875	1008326
B	192m NW	Railway Sidings	1975	1079158
G	193m NE	Refuse Heaps	1875	1004700
H	193m N	Cuttings	1903	1131139
I	195m SE	Unspecified Ground Workings	1965	1069524
J	196m N	Cuttings	1875	1128238
J	197m N	Cuttings	1901	1097734
G	201m NE	Unspecified Disused Tip	1982	1123570
G	201m NE	Unspecified Disused Tip	1975	1150666
G	202m NE	Unspecified Disused Tip	1992	1068856
E	204m NW	Unspecified Pit	1992	1028257
A	210m S	Unspecified Tank	1965	1016602
F	214m NE	Unspecified Heap	1982	1051502
K	215m E	Railway Station	1965	1108982
G	217m NE	Refuse Heap	1901	1019560
K	217m E	Railway Station	1922 - 1948	1102159
K	218m E	Railway Station	1901 - 1903	1035042
A	219m S	Unspecified Tanks	1901	1155235
A	221m S	Unspecified Tanks	1922	1040052
A	224m S	Unspecified Tank	1921 - 1922	1051830
A	224m S	Brick Kilns	1875	1019113
A	225m S	Chimney	1982	1089457
A	225m S	Chimney	1965 - 1975	1150262
A	225m S	Unspecified Tanks	1903	1071151
A	226m S	Unspecified Tanks	1921 - 1922	1077165
H	227m N	Cuttings	1965	1154383



ID	Location	Land use	Dates present	Group ID
H	227m N	Cuttings	1921	1077438
J	228m N	Cuttings	1948	1069276
H	228m N	Cuttings	1922	1147693
A	234m S	Unspecified Tank	1921	1016614
7	235m NW	Unspecified Heaps	1965	1021510
A	236m S	Unspecified Ground Workings	1901	997388
A	237m S	Unspecified Tank	1965	1016603
I	239m SE	Unspecified Pit	1922	1034869
L	240m E	Railway Station	1921	1016074
M	240m SE	Unspecified Heap	1901	1067091
M	245m SE	Unspecified Heap	1948	1064206
A	245m S	Unspecified Tank	1901	1016613
M	245m SE	Unspecified Heap	1922	1100131
A	247m S	Unspecified Heap	1903	1116295
I	247m SE	Unspecified Ground Workings	1901	1075216
8	250m SW	Hospital	1875	1024580
M	251m SE	Unspecified Heap	1903	1156525
A	252m S	Unspecified Tanks	1901	1045314
M	252m SE	Unspecified Heap	1921	1054459
I	254m SE	Unspecified Heap	1903	1001035
A	257m S	Unspecified Commercial/Industrial	1901 - 1903	1062960
N	257m E	Unspecified Disused Tip	1975	1005197
N	257m E	Refuse Heap	1982	1019559
F	259m E	Railway Station	1903	1046407
F	260m E	Railway Station	1922 - 1948	1154488
A	260m S	Unspecified Tanks	1903	1070548
F	260m E	Unspecified Heap	1921	1089134
F	260m E	Unspecified Heap	1922	1149715



ID	Location	Land use	Dates present	Group ID
F	261m E	Railway Station	1901	1036308
A	264m S	Unspecified Tank	1875	1116920
A	265m SW	Unspecified Heap	1922	1075207
9	270m NE	Unspecified Pit	1922	1066063
J	273m N	Unspecified Pit	1875	1028256
A	273m S	Unspecified Tank	1875	1060142
A	275m SW	Unspecified Factory	1992	1052515
O	275m E	Unspecified Heaps	1922	1093279
A	276m SW	Unspecified Factory	1975	1080013
A	276m SW	Unspecified Factory	1982	1084562
O	276m E	Unspecified Ground Workings	1921	1128972
A	276m S	Unspecified Tanks	1948	1033997
A	276m S	Unspecified Tanks	1901 - 1903	1102664
A	278m SW	Unspecified Heap	1921	1122229
O	278m E	Unspecified Heap	1901	1001036
N	279m E	Unspecified Ground Workings	1903	1151531
A	283m S	Unspecified Commercial/Industrial	1938	1096705
A	283m S	Unspecified Tank	1938	1152741
P	284m S	Railway Sidings	1875	1068588
A	285m S	Unspecified Tanks	1921 - 1922	1101600
A	285m S	Unspecified Tank	1915	1043293
P	285m S	Iron Works	1915	1075767
L	285m E	Railway Building	1965	1113530
Q	286m S	Railway Sidings	1915	1059012
A	287m S	Unspecified Tanks	1915	1067425
L	289m E	Goods Shed	1922 - 1948	1136229
L	291m E	Railway Building	1903	1057839
L	293m E	Goods Shed	1921	1070613



ID	Location	Land use	Dates present	Group ID
A	295m S	Unspecified Tank	1938	1016604
L	296m E	Railway Building	1975	1036136
L	296m E	Railway Building	1982	1082781
H	298m N	Cuttings	1875	1041025
A	305m S	Unspecified Tanks	1903	1009935
O	306m E	Unspecified Heap	1948 - 1965	1050884
H	307m N	Cuttings	1948 - 1992	1127851
A	310m SW	Unspecified Pits	1948	1007940
A	311m S	Unspecified Tank	1901	1135650
A	312m S	Unspecified Tank	1922	1070478
A	312m SW	Unspecified Pit	1921	1068115
A	313m SW	Unspecified Ground Workings	1922	1089146
A	313m S	Unspecified Tank	1915	1103451
A	313m SW	Unspecified Pit	1938	1097339
R	316m E	Unspecified Ground Workings	1901	1051638
A	316m SW	Unspecified Pit	1915	1056897
Q	321m S	Unspecified Ground Workings	1982	1139322
I	321m SE	Railway Building	1965 - 1975	1126165
O	323m E	Unspecified Ground Workings	1965	1090623
S	330m NE	Refuse Heap	1901	1019570
H	332m N	Cuttings	1901	1080358
O	336m E	Unspecified Pit	1948	1126441
O	336m E	Unspecified Pit	1922	1100140
11	338m SW	Iron Works	1938	1087393
A	346m S	Unspecified Tanks	1901 - 1903	1114709
A	350m S	Unspecified Tanks	1921	1156785
A	354m S	Unspecified Tanks	1922	1093323
A	355m S	Unspecified Tanks	1903 - 1915	1118572

ID	Location	Land use	Dates present	Group ID
A	355m S	Unspecified Tanks	1938	1133329
A	356m S	Unspecified Tanks	1915	1150267
12	357m SW	Grave Yard	1875	1012139
T	360m SW	Unspecified Mill	1915	1137126
A	361m S	Unspecified Tanks	1921	1155592
A	362m S	Unspecified Tanks	1901	1050593
A	365m S	Unspecified Tanks	1922	1136261
A	366m S	Unspecified Tanks	1938	1101971
14	369m NE	Unspecified Ground Workings	1921	997389
A	370m S	Unspecified Tank	1948	1016607
U	372m W	Railway Station	1875	1016073
A	372m S	Railway Building	1901	1013453
T	375m SW	Unspecified Mill	1921	1089204
V	376m SW	Unspecified Factory	1992	1014516
A	376m SE	Railway Building	1948 - 1965	1088985
V	378m SW	Unspecified Factories	1965	1084127
A	378m S	Chimney	1965	1025467
A	379m S	Unspecified Tank	1903	1079807
A	381m SE	Railway Building	1975	1142380
A	385m S	Unspecified Tank	1921	1115967
A	386m S	Unspecified Tank	1901	1122870
R	388m SE	Unspecified Ground Workings	1965	1120811
A	388m S	Unspecified Tank	1922	1065541
S	389m NE	Unspecified Ground Workings	1921	1082080
W	389m NE	Unspecified Heaps	1922	1121549
S	389m NE	Unspecified Ground Workings	1875	1149711
A	390m S	Unspecified Tank	1938	1094469
A	391m S	Unspecified Tank	1915	1079808

ID	Location	Land use	Dates present	Group ID
V	391m SW	Unspecified Mill	1903	1131513
S	391m NE	Unspecified Ground Workings	1965	1113841
S	392m NE	Unspecified Heap	1922	1087193
A	393m S	Unspecified Tank	1922	1070366
P	394m S	Unspecified Ground Workings	1992	1137124
A	396m S	Railway Building	1965	1013460
A	396m S	Unspecified Tank	1915	1078256
R	398m SE	Cattle Pen	1921	1008812
15	398m SW	Refuse Heap	1903	1019547
A	398m SE	Coke Ovens	1903 - 1915	1136937
A	403m SE	Coke Ovens	1901	1140881
A	404m SE	Coke Ovens	1921	1047473
Q	405m S	Unspecified Ground Workings	1965	1066691
R	406m SE	Railway Buildings	1922	1079045
A	406m SE	Coke Ovens	1922	1047204
A	407m SE	Coke Ovens	1938	1038942
R	408m SE	Unspecified Pit	1875	1028297
Q	413m S	Refuse Heap	1901	1039867
R	419m SE	Railway Building	1921	1013464
S	419m NE	Unspecified Ground Workings	1901	1109906
X	421m S	Coke Ovens	1901 - 1903	1062904
S	423m NE	Unspecified Ground Workings	1922 - 1948	1044872
X	427m S	Coke Ovens	1921	1101589
R	427m SE	Railway Buildings	1903	1092571
S	427m NE	Unspecified Ground Workings	1903	1085032
R	429m SE	Railway Building	1921	1013463
X	429m S	Coke Ovens	1922	1099473
R	429m SE	Railway Buildings	1965	1157061

ID	Location	Land use	Dates present	Group ID
X	430m S	Coke Ovens	1938	1044415
X	432m S	Coke Ovens	1915	1063697
Y	434m W	Railway Building	1965	1136708
17	434m SE	Refuse Heap	1922 - 1938	1079269
R	434m SE	Engine Shed	1922 - 1948	1074734
Z	437m E	Unspecified Ground Workings	1921	1080156
Z	438m E	Unspecified Ground Workings	1922	1106079
R	440m SE	Engine Shed	1921	1036347
V	441m SW	Railway Sidings	1922	1041882
V	441m SW	Railway Sidings	1922	1049295
W	445m NE	Unspecified Ground Workings	1965	1140775
H	446m N	Cuttings	1948	1066052
18	449m S	Brick Works	1922 - 1938	1133126
Y	450m W	Railway Building	1922	1054614
R	452m SE	Railway Sidings	1915	1060003
R	455m SE	Engine Shed	1965	1012561
R	459m SE	Railway Building	1921 - 1922	1123475
Y	459m W	Railway Station	1901 - 1903	1063421
Y	459m W	Railway Station	1948	1044411
Y	460m W	Railway Station	1965	1094945
Y	460m W	Goods Shed	1921 - 1922	1116038
Y	460m W	Railway Building	1965	1013469
Y	461m W	Railway Station	1922	1078686
Y	461m W	Goods Shed	1903	1069333
Y	462m W	Railway Station	1921	1085635
Y	462m W	Goods Shed	1901	1149531
W	463m NE	Unspecified Heap	1965	1001041
Y	464m W	Goods Shed	1875	1079760



ID	Location	Land use	Dates present	Group ID
Y	464m W	Railway Building	1875	1013470
R	465m SE	Unspecified Tank	1903 - 1915	1065320
R	465m SE	Unspecified Tank	1948	1107241
20	466m S	Railway Building	1948	1013454
R	468m SE	Unspecified Tank	1901	1037493
V	468m SW	Plastic Factory	1948	1021326
AA	469m NW	Unspecified Tank	1903	1066501
Y	469m W	Railway Building	1875	1013468
AA	469m NW	Unspecified Tank	1901	1124170
AA	470m NW	Unspecified Tank	1922	1096768
R	471m SE	Unspecified Tank	1921	1076032
S	473m NE	Unspecified Heap	1965	1100937
R	474m SE	Unspecified Tank	1938	1127090
T	475m SW	Unspecified Factories	1975	1062491
T	475m SW	Unspecified Factories	1982	1074519
S	475m NE	Unspecified Heap	1903	1142020
S	477m NE	Unspecified Heap	1922	1059167
AB	478m S	Railway Buildings	1965	1024234
21	478m S	Disused Brick Works	1948	1004578
W	479m NE	Unspecified Heap	1901	1001040
W	479m NE	Unspecified Ground Workings	1903	1125008
X	482m S	Coal Shoots	1875	1024433
AB	483m S	Railway Sidings	1901	1144712
AD	489m SE	Cuttings	1903	1053543
AD	489m SE	Cuttings	1948	1066576
Y	490m W	Railway Building	1901	1013465
S	490m NE	Unspecified Ground Workings	1901	1147232
Q	491m S	Railway Sidings	1875	1052704

ID	Location	Land use	Dates present	Group ID
Z	491m E	Unspecified Ground Workings	1965	1135478
AD	492m SE	Cuttings	1901	1038913
AB	493m S	Tramway Sidings	1915	1014640
X	494m S	Railway Building	1948	1013459
22	495m SE	Ironstone Pit	1875	1000023
AD	495m SE	Cuttings	1922	1136860
AD	495m SE	Cuttings	1938	1041021
AE	496m NE	Unspecified Pit	1903	1038745
AE	496m NE	Unspecified Pit	1948	1152294
V	496m SW	Refuse Heap	1903	1019548
AE	496m NE	Unspecified Pit	1901	1048589
Z	498m E	Unspecified Heap	1922	1104080

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m

73

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 14**

ID	Location	Land use	Dates present	Group ID
4	34m SE	Tank or Trough	1875	157966
C	152m W	Settling Tank	1977 - 1989	159796
C	153m NW	Settling Tank	1977 - 1989	162867
C	155m NW	Tanks	1956	162790
C	159m NW	Unspecified Tank	1956 - 1977	163981
C	162m NW	Unspecified Tank	1989	168416



ID	Location	Land use	Dates present	Group ID
A	167m SE	Unspecified Tank	1920	149808
C	170m W	Settling Tank	1977 - 1989	161321
C	172m NW	Settling Tank	1977 - 1989	158386
C	177m NW	Unspecified Tank	1956	168296
C	189m NW	Unspecified Tank	1956	165774
A	191m SE	Unspecified Tank	1920	149812
A	219m S	Tanks	1899 - 1920	164914
A	220m S	Unspecified Tank	1920	149787
A	227m S	Tanks	1899 - 1920	159786
A	232m S	Unspecified Tank	1920	149786
A	239m S	Unspecified Tank	1983 - 1996	162348
A	239m S	Unspecified Tank	1955 - 1988	160295
A	243m S	Tanks	1920	156263
A	245m S	Unspecified Tank	1899	149807
A	247m S	Unspecified Tank	1920	149785
A	263m S	Unspecified Tank	1920	149779
A	264m S	Unspecified Tank	1875	149782
A	266m S	Tanks	1920	156262
A	271m S	Unspecified Tank	1875	149781
A	283m S	Unspecified Tank	1919	149783
A	284m SW	Unspecified Tank	1920	149790
A	285m S	Tanks	1900 - 1919	162937
A	286m S	Unspecified Tank	1875	149780
A	286m SW	Unspecified Tank	1920	149789
A	291m SW	Unspecified Tank	1920	149788
A	293m S	Unspecified Tank	1875	149806
B	303m W	Unspecified Tank	1966 - 1995	161599
A	303m S	Unspecified Tank	1875	149809



ID	Location	Land use	Dates present	Group ID
B	305m W	Unspecified Tank	1989	160015
B	308m W	Unspecified Tank	1967	160403
B	308m W	Unspecified Tank	1977	167363
B	308m W	Unspecified Tank	1966	164933
B	308m W	Unspecified Tank	1995	165933
B	309m W	Unspecified Tank	1989	162129
B	313m NW	Unspecified Tank	1977 - 1995	160484
A	315m S	Unspecified Tank	1875	149810
B	315m NW	Unspecified Tank	1989	165869
A	319m S	Unspecified Tank	1919	149805
10	324m NW	Unspecified Tank	1977	149778
A	335m SE	Unspecified Tank	1875 - 1919	161437
A	349m S	Unspecified Tank	1875	149784
A	352m S	Tanks	1900 - 1919	168087
A	355m S	Unspecified Tank	1875	149814
A	355m S	Unspecified Tank	1875	149813
A	355m S	Unspecified Tank	1875	149811
A	363m S	Tanks	1900 - 1919	161808
B	366m W	Unspecified Tank	1956	161566
A	368m S	Unspecified Tank	1875	149815
B	375m NW	Unspecified Tank	1875 - 1899	161230
A	375m S	Unspecified Tank	1875	149804
A	379m SE	Unspecified Tank	1875	149816
A	388m S	Unspecified Tank	1900 - 1919	167108
A	389m S	Unspecified Tank	1875	158478
A	394m S	Unspecified Tank	1875	149803
B	397m NW	Unspecified Tank	1875	167975
S	397m NE	Unspecified Tank	1966	149824

ID	Location	Land use	Dates present	Group ID
B	397m NW	Unspecified Tank	1899	167960
A	401m S	Unspecified Tank	1875	149802
U	401m W	Unspecified Tank	1956	159265
AA	452m NW	Unspecified Tank	1875	149774
R	468m SE	Unspecified Tank	1900 - 1919	163593
AA	471m NW	Unspecified Tank	1899 - 1920	158820
AA	475m NW	Unspecified Tank	1875	158103
AC	478m NW	Unspecified Tank	1977	149777
R	479m SE	Unspecified Tank	1955 - 1988	161435
AC	482m NW	Tanks	1977	156250
AC	485m NW	Tanks	1977	156251

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m

10

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 14**

ID	Location	Land use	Dates present	Group ID
6	135m E	Electricity Substation	1955 - 1999	91001
C	136m NW	Electricity Substation	1966 - 1995	94074
C	140m NW	Electricity Substation	1956	89094
A	322m SW	Electricity Substation	1983 - 1996	91476
A	324m SW	Electricity Substation	1987	93277
A	327m SW	Electricity Substation	1983 - 1996	95298
A	328m SW	Electricity Substation	1987	85749



ID	Location	Land use	Dates present	Group ID
A	337m SW	Electricity Substation	1983 - 1996	93186
13	368m SW	Electricity Substation	1974 - 1996	89886
16	413m E	Electricity Substation	1989	85748

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

1

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

Features are displayed on the Past land use map on **page 14**

ID	Location	Land use	Dates present	Group ID
19	449m SW	Garage	1956 - 1974	31792

This data is sourced from Ordnance Survey / Groundsure.

1.6 Historical military land

Records within 500m

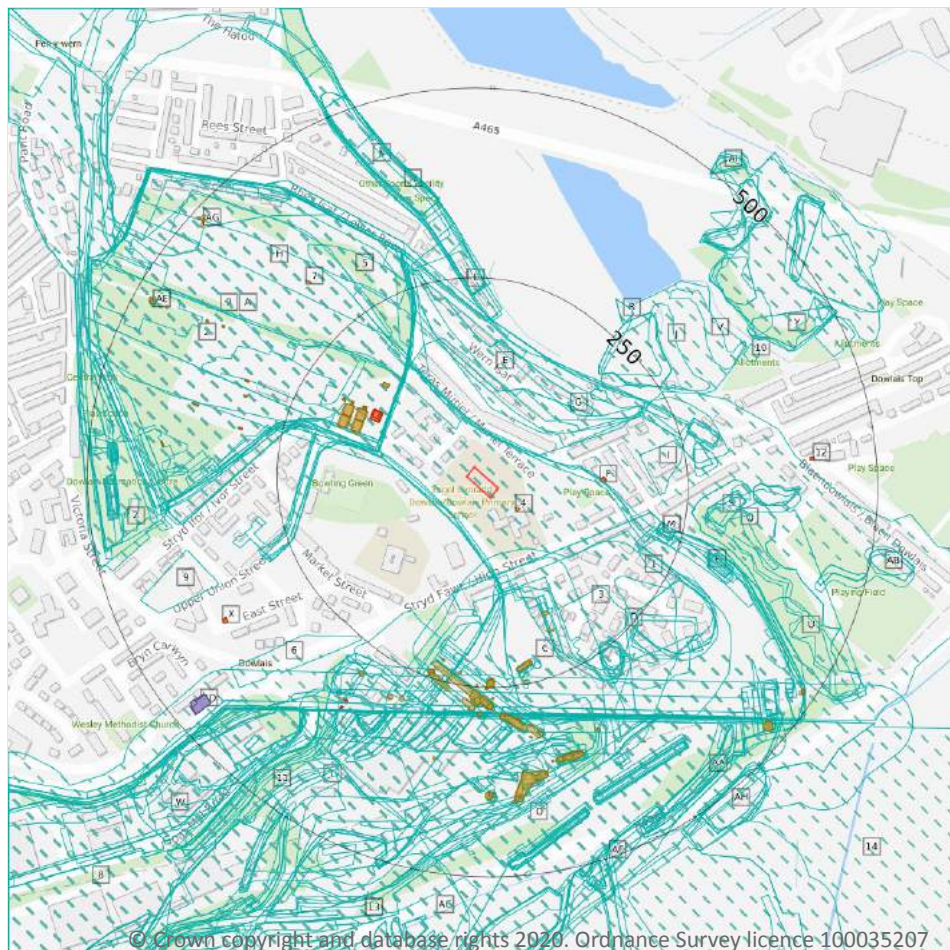
0

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

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



2 Past land use - un-grouped



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

2.1 Historical industrial land uses

Records within 500m

344

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 29**

ID	Location	Land Use	Date	Group ID
1	On site	Railway Sidings	1875	1034027
2	On site	Railway Sidings	1965	1094700
3	On site	Railway Sidings	1982	1105213



ID	Location	Land Use	Date	Group ID
A	On site	Railway Sidings	1948	1060546
A	On site	Railway Sidings	1903	1115994
B	55m NW	Railway Sidings	1922	1090890
C	75m S	Iron Works	1875	1110618
B	80m NE	Railway Sidings	1901	1057428
C	98m S	Iron Works	1948	1034045
D	98m S	Iron Works	1901	1090698
D	98m S	Railway Sidings	1901	1115994
D	104m S	Railway Sidings	1922	1060546
E	105m N	Refuse Heap	1922	1039973
E	105m N	Refuse Heap	1922	1039973
B	109m NE	Railway Sidings	1921	1062147
D	111m S	Iron Works	1921	1035153
D	112m S	Railway Sidings	1921	1060546
C	118m S	Railway Sidings	1975	1057429
B	120m W	Iron Works	1921	1091334
B	121m W	Iron Works	1901	1069853
B	122m W	Iron Works	1903	1069853
C	123m S	Iron Works	1922	1035153
B	124m W	Unspecified Works	1975	1148650
B	124m W	Unspecified Works	1982	1090403
B	125m W	Iron Works	1922	1112817
B	125m W	Unspecified Commercial/Industrial	1948	1123033
C	125m S	Unspecified Commercial/Industrial	1875	1069543
B	125m W	Iron Works	1965	1070968
B	125m W	Iron Works	1875	1138361
C	126m S	Iron Works	1903	1090698
G	141m NE	Old Ironstone Shaft	1921	993616



ID	Location	Land Use	Date	Group ID
G	144m NE	Old Ironstone Shaft	1922	993615
C	145m SE	Smithy	1948	1065471
C	145m SE	Smithy	1922	1109677
H	147m NW	Unspecified Commercial/Industrial	1922	1069187
C	154m SE	Smithy	1921	1046038
G	171m NE	Unspecified Heap	1922	1156934
G	171m NE	Unspecified Heap	1922	1156934
C	181m SW	Unspecified Works	1965	1020631
I	192m E	Burial Ground	1875	1008326
B	192m NW	Railway Sidings	1975	1079158
J	193m NE	Refuse Heaps	1875	1004700
K	193m N	Cuttings	1903	1131139
D	195m SE	Unspecified Ground Workings	1965	1069524
L	196m N	Cuttings	1875	1128238
L	197m N	Cuttings	1901	1097734
J	201m NE	Unspecified Disused Tip	1975	1150666
J	201m NE	Unspecified Disused Tip	1982	1123570
J	202m NE	Unspecified Disused Tip	1992	1068856
H	204m NW	Unspecified Pit	1992	1028257
C	210m S	Unspecified Tank	1965	1016602
I	214m NE	Unspecified Heap	1982	1051502
M	215m E	Railway Station	1965	1108982
J	217m NE	Refuse Heap	1901	1019560
M	217m E	Railway Station	1922	1102159
M	218m E	Railway Station	1901	1035042
C	219m S	Unspecified Tanks	1901	1155235
M	219m E	Railway Station	1903	1035042
M	220m E	Railway Station	1948	1102159

ID	Location	Land Use	Date	Group ID
C	221m S	Unspecified Tanks	1922	1040052
C	224m S	Unspecified Tank	1921	1051830
C	224m S	Brick Kilns	1875	1019113
C	225m S	Chimney	1975	1150262
C	225m S	Chimney	1982	1089457
C	225m S	Chimney	1965	1150262
C	225m S	Unspecified Tanks	1903	1071151
C	226m S	Unspecified Tanks	1922	1077165
K	227m N	Cuttings	1965	1154383
N	227m N	Cuttings	1921	1077438
L	228m N	Cuttings	1948	1069276
K	228m N	Cuttings	1922	1147693
B	232m W	Unspecified Commercial/Industrial	1922	1123033
C	233m S	Unspecified Tanks	1921	1077165
O	234m S	Iron Works	1875	1110618
C	234m S	Unspecified Tank	1921	1016614
C	235m S	Railway Sidings	1922	1060546
5	235m NW	Unspecified Heaps	1965	1021510
C	236m S	Unspecified Ground Workings	1901	997388
C	237m S	Unspecified Tank	1965	1016603
D	239m SE	Unspecified Pit	1922	1034869
D	239m SE	Unspecified Pit	1922	1034869
P	240m E	Railway Station	1921	1016074
D	240m SE	Unspecified Heap	1901	1067091
D	245m SE	Unspecified Heap	1948	1064206
C	245m S	Unspecified Tank	1901	1016613
D	245m SE	Unspecified Heap	1922	1100131
D	245m SE	Unspecified Heap	1922	1100131



ID	Location	Land Use	Date	Group ID
C	247m S	Unspecified Heap	1903	1116295
D	247m SE	Unspecified Ground Workings	1901	1075216
6	250m SW	Hospital	1875	1024580
D	251m SE	Unspecified Heap	1903	1156525
C	252m S	Unspecified Tanks	1901	1045314
D	252m SE	Unspecified Heap	1921	1054459
D	254m SE	Unspecified Heap	1903	1001035
C	257m S	Unspecified Commercial/Industrial	1901	1062960
Q	257m E	Unspecified Disused Tip	1975	1005197
Q	257m E	Refuse Heap	1982	1019559
I	259m E	Railway Station	1903	1046407
I	260m E	Railway Station	1948	1154488
C	260m S	Unspecified Tanks	1903	1070548
I	260m E	Unspecified Heap	1921	1089134
I	260m E	Unspecified Heap	1922	1149715
I	260m E	Unspecified Heap	1922	1149715
I	261m E	Railway Station	1901	1036308
I	262m E	Railway Station	1922	1154488
C	264m S	Unspecified Tank	1875	1116920
C	265m SW	Unspecified Heap	1922	1075207
C	265m SW	Unspecified Heap	1922	1075207
R	270m NE	Unspecified Pit	1922	1066063
R	270m NE	Unspecified Pit	1922	1066063
L	273m N	Unspecified Pit	1875	1028256
C	273m S	Unspecified Tank	1875	1060142
C	275m SW	Unspecified Factory	1992	1052515
C	275m S	Unspecified Commercial/Industrial	1903	1062960
O	275m S	Railway Sidings	1903	1115994



ID	Location	Land Use	Date	Group ID
S	275m E	Unspecified Heaps	1922	1093279
S	275m E	Unspecified Heaps	1922	1093279
C	276m SW	Unspecified Factory	1975	1080013
C	276m SW	Unspecified Factory	1982	1084562
S	276m E	Unspecified Ground Workings	1921	1128972
C	276m S	Unspecified Tanks	1948	1033997
C	276m S	Unspecified Tanks	1903	1102664
C	278m SW	Unspecified Heap	1921	1122229
S	278m E	Unspecified Heap	1901	1001036
Q	279m E	Unspecified Ground Workings	1903	1151531
C	282m S	Unspecified Tanks	1901	1102664
T	283m S	Railway Sidings	1901	1115994
T	283m S	Iron Works	1901	1090698
C	283m S	Unspecified Tank	1938	1152741
C	283m S	Unspecified Commercial/Industrial	1938	1096705
O	283m S	Railway Sidings	1938	1060546
C	284m S	Unspecified Tank	1921	1051830
O	284m S	Iron Works	1921	1035153
O	284m S	Railway Sidings	1875	1068588
O	284m S	Railway Sidings	1921	1060546
C	284m S	Unspecified Tank	1922	1051830
C	284m S	Unspecified Tank	1922	1051830
O	284m S	Iron Works	1922	1035153
O	284m S	Iron Works	1922	1035153
C	285m S	Unspecified Tanks	1921	1101600
C	285m S	Unspecified Tank	1915	1043293
O	285m S	Iron Works	1915	1075767
P	285m E	Railway Building	1965	1113530

ID	Location	Land Use	Date	Group ID
O	285m S	Railway Sidings	1922	1060546
O	285m S	Railway Sidings	1922	1060546
C	286m S	Unspecified Tanks	1922	1101600
C	286m S	Unspecified Tanks	1922	1101600
O	286m S	Railway Sidings	1915	1059012
C	287m S	Unspecified Tanks	1915	1067425
C	289m S	Railway Sidings	1948	1060546
P	289m E	Goods Shed	1922	1136229
P	290m E	Goods Shed	1948	1136229
P	291m E	Railway Building	1903	1057839
P	293m E	Goods Shed	1921	1070613
C	295m S	Unspecified Tank	1938	1016604
P	296m E	Railway Building	1975	1036136
P	296m E	Railway Building	1982	1082781
K	298m N	Cuttings	1875	1041025
C	305m S	Unspecified Tanks	1903	1009935
S	306m E	Unspecified Heap	1948	1050884
S	307m E	Unspecified Heap	1965	1050884
N	307m N	Cuttings	1948	1127851
C	310m SW	Unspecified Pits	1948	1007940
C	311m S	Unspecified Tank	1901	1135650
C	312m S	Unspecified Tank	1922	1070478
C	312m S	Unspecified Tank	1922	1070478
C	312m SW	Unspecified Pit	1921	1068115
C	313m SW	Unspecified Ground Workings	1922	1089146
C	313m SW	Unspecified Ground Workings	1922	1089146
C	313m SE	Railway Sidings	1901	1115994
C	313m S	Unspecified Tank	1915	1103451



ID	Location	Land Use	Date	Group ID
C	313m SW	Unspecified Pit	1938	1097339
C	313m SW	Unspecified Pit	1938	1097339
U	316m E	Unspecified Ground Workings	1901	1051638
C	316m SW	Unspecified Pit	1915	1056897
O	321m S	Unspecified Ground Workings	1982	1139322
D	321m SE	Railway Building	1965	1126165
S	323m E	Unspecified Ground Workings	1965	1090623
D	325m SE	Railway Building	1975	1126165
V	330m NE	Refuse Heap	1901	1019570
K	332m N	Cuttings	1901	1080358
S	336m E	Unspecified Pit	1948	1126441
S	336m E	Unspecified Pit	1922	1100140
S	336m E	Unspecified Pit	1922	1100140
8	338m SW	Iron Works	1938	1087393
K	339m N	Cuttings	1975	1127851
K	339m N	Cuttings	1982	1127851
K	339m N	Cuttings	1992	1127851
C	346m S	Unspecified Tanks	1903	1114709
C	350m S	Unspecified Tanks	1921	1156785
C	352m S	Unspecified Tanks	1901	1114709
C	354m S	Unspecified Tanks	1922	1093323
C	354m S	Unspecified Tanks	1922	1093323
C	355m S	Unspecified Tanks	1903	1118572
C	355m S	Unspecified Tanks	1938	1133329
C	356m S	Unspecified Tanks	1915	1150267
9	357m SW	Grave Yard	1875	1012139
W	360m SW	Unspecified Mill	1915	1137126
C	361m S	Unspecified Tanks	1921	1155592

ID	Location	Land Use	Date	Group ID
C	362m S	Unspecified Tanks	1901	1050593
C	365m S	Unspecified Tanks	1922	1136261
C	365m S	Unspecified Tanks	1922	1136261
C	366m S	Unspecified Tanks	1938	1101971
C	367m S	Unspecified Tanks	1915	1118572
10	369m NE	Unspecified Ground Workings	1921	997389
C	370m S	Unspecified Tank	1948	1016607
B	372m W	Railway Station	1875	1016073
C	372m S	Railway Building	1901	1013453
W	375m SW	Unspecified Mill	1921	1089204
T	376m SW	Unspecified Factory	1992	1014516
C	376m SE	Railway Building	1965	1088985
T	378m SW	Unspecified Factories	1965	1084127
C	378m S	Chimney	1965	1025467
C	379m S	Unspecified Tank	1903	1079807
C	381m SE	Railway Building	1948	1088985
C	381m SE	Railway Building	1975	1142380
C	385m S	Unspecified Tank	1921	1115967
C	386m S	Unspecified Tank	1901	1122870
U	388m SE	Unspecified Ground Workings	1965	1120811
C	388m S	Unspecified Tank	1922	1065541
C	388m S	Unspecified Tank	1922	1065541
V	389m NE	Unspecified Ground Workings	1921	1082080
Y	389m NE	Unspecified Heaps	1922	1121549
Y	389m NE	Unspecified Heaps	1922	1121549
V	389m NE	Unspecified Ground Workings	1875	1149711
C	390m S	Unspecified Tank	1938	1094469
C	391m S	Unspecified Tank	1915	1079808



ID	Location	Land Use	Date	Group ID
T	391m SW	Unspecified Mill	1903	1131513
V	391m NE	Unspecified Ground Workings	1965	1113841
V	392m NE	Unspecified Heap	1922	1087193
V	392m NE	Unspecified Heap	1922	1087193
C	393m S	Unspecified Tank	1922	1070366
C	393m S	Unspecified Tank	1922	1070366
O	394m S	Unspecified Ground Workings	1992	1137124
C	396m S	Railway Building	1965	1013460
C	396m S	Unspecified Tank	1915	1078256
U	398m SE	Cattle Pen	1921	1008812
11	398m SW	Refuse Heap	1903	1019547
C	398m SE	Coke Ovens	1903	1136937
C	403m SE	Coke Ovens	1901	1140881
C	404m SE	Coke Ovens	1921	1047473
O	405m S	Unspecified Ground Workings	1965	1066691
U	406m SE	Railway Buildings	1922	1079045
C	406m SE	Coke Ovens	1922	1047204
C	406m SE	Coke Ovens	1922	1047204
C	407m SE	Coke Ovens	1915	1136937
C	407m SE	Coke Ovens	1938	1038942
U	408m SE	Unspecified Pit	1875	1028297
O	413m S	Refuse Heap	1901	1039867
U	419m SE	Railway Building	1921	1013464
V	419m NE	Unspecified Ground Workings	1901	1109906
C	421m S	Coke Ovens	1903	1062904
V	423m NE	Unspecified Ground Workings	1922	1044872
V	423m NE	Unspecified Ground Workings	1922	1044872
V	427m NE	Unspecified Ground Workings	1948	1044872



ID	Location	Land Use	Date	Group ID
C	427m S	Coke Ovens	1921	1101589
U	427m SE	Railway Buildings	1903	1092571
C	427m S	Coke Ovens	1901	1062904
V	427m NE	Unspecified Ground Workings	1903	1085032
U	429m SE	Railway Building	1921	1013463
C	429m S	Coke Ovens	1922	1099473
C	429m S	Coke Ovens	1922	1099473
U	429m SE	Railway Buildings	1965	1157061
C	430m S	Coke Ovens	1938	1044415
C	432m S	Coke Ovens	1915	1063697
Z	434m W	Railway Building	1965	1136708
AA	434m SE	Refuse Heap	1922	1079269
AA	434m SE	Refuse Heap	1922	1079269
U	434m SE	Engine Shed	1948	1074734
U	435m SE	Engine Shed	1922	1074734
AA	435m SE	Refuse Heap	1938	1079269
AA	435m SE	Refuse Heap	1938	1079269
AB	437m E	Unspecified Ground Workings	1921	1080156
AB	438m E	Unspecified Ground Workings	1922	1106079
AB	438m E	Unspecified Ground Workings	1922	1106079
U	440m SE	Engine Shed	1921	1036347
T	441m SW	Railway Sidings	1922	1049295
T	441m SW	Railway Sidings	1922	1041882
Y	445m NE	Unspecified Ground Workings	1965	1140775
K	446m N	Cuttings	1948	1066052
AC	449m S	Brick Works	1938	1133126
AC	449m S	Brick Works	1938	1133126
Z	450m W	Railway Building	1922	1054614



ID	Location	Land Use	Date	Group ID
U	452m SE	Railway Sidings	1915	1060003
U	455m SE	Engine Shed	1965	1012561
U	459m SE	Railway Building	1922	1123475
Z	459m W	Railway Station	1901	1063421
Z	459m W	Railway Station	1948	1044411
Z	460m W	Railway Station	1965	1094945
Z	460m W	Goods Shed	1922	1116038
Z	460m W	Railway Building	1965	1013469
Z	461m W	Railway Station	1922	1078686
Z	461m W	Railway Station	1903	1063421
Z	461m W	Goods Shed	1903	1069333
Z	462m W	Railway Station	1921	1085635
Z	462m W	Goods Shed	1901	1149531
Y	463m NE	Unspecified Heap	1965	1001041
Z	463m W	Goods Shed	1921	1116038
U	463m SE	Railway Building	1921	1123475
Z	464m W	Goods Shed	1875	1079760
Z	464m W	Railway Building	1875	1013470
U	465m SE	Unspecified Tank	1948	1107241
U	465m SE	Unspecified Tank	1903	1065320
C	466m S	Railway Building	1948	1013454
U	468m SE	Unspecified Tank	1901	1037493
T	468m SW	Plastic Factory	1948	1021326
AE	469m NW	Unspecified Tank	1903	1066501
Z	469m W	Railway Building	1875	1013468
AE	469m NW	Unspecified Tank	1901	1124170
AE	470m NW	Unspecified Tank	1922	1096768
U	471m SE	Unspecified Tank	1915	1065320



ID	Location	Land Use	Date	Group ID
U	471m SE	Unspecified Tank	1921	1076032
V	473m NE	Unspecified Heap	1965	1100937
U	474m SE	Unspecified Tank	1938	1127090
W	475m SW	Unspecified Factories	1975	1062491
W	475m SW	Unspecified Factories	1982	1074519
V	475m NE	Unspecified Heap	1903	1142020
V	477m NE	Unspecified Heap	1922	1059167
V	477m NE	Unspecified Heap	1922	1059167
AF	478m S	Railway Buildings	1965	1024234
13	478m S	Disused Brick Works	1948	1004578
Y	479m NE	Unspecified Heap	1901	1001040
Y	479m NE	Unspecified Ground Workings	1903	1125008
C	482m S	Coal Shoots	1875	1024433
AF	483m S	Railway Sidings	1901	1144712
AH	489m SE	Cuttings	1948	1066576
AH	489m SE	Cuttings	1903	1053543
Z	490m W	Railway Building	1901	1013465
V	490m NE	Unspecified Ground Workings	1901	1147232
O	491m S	Railway Sidings	1875	1052704
AB	491m E	Unspecified Ground Workings	1965	1135478
AH	492m SE	Cuttings	1901	1038913
AF	493m S	Tramway Sidings	1915	1014640
C	494m S	Railway Building	1948	1013459
14	495m SE	Ironstone Pit	1875	1000023
AH	495m SE	Cuttings	1922	1136860
AH	495m SE	Cuttings	1922	1136860
AH	495m SE	Cuttings	1938	1041021
AI	496m NE	Unspecified Pit	1948	1152294

ID	Location	Land Use	Date	Group ID
AI	496m NE	Unspecified Pit	1903	1038745
T	496m SW	Refuse Heap	1903	1019548
AI	496m NE	Unspecified Pit	1901	1048589
AB	498m E	Unspecified Heap	1922	1104080
AB	498m E	Unspecified Heap	1922	1104080

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m

108

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 29**

ID	Location	Land Use	Date	Group ID
4	34m SE	Tank or Trough	1875	157966
A	152m W	Settling Tank	1977	159796
A	153m NW	Settling Tank	1977	162867
A	154m W	Settling Tank	1989	159796
A	155m NW	Tanks	1956	162790
A	155m NW	Tanks	1956	162790
A	155m NW	Settling Tank	1989	162867
A	159m NW	Unspecified Tank	1956	163981
A	160m NW	Unspecified Tank	1956	163981
A	160m NW	Unspecified Tank	1977	163981
A	160m NW	Unspecified Tank	1967	163981
A	160m NW	Unspecified Tank	1966	163981
A	162m NW	Unspecified Tank	1989	168416
C	167m SE	Unspecified Tank	1920	149808
A	170m W	Settling Tank	1977	161321



ID	Location	Land Use	Date	Group ID
A	172m NW	Settling Tank	1977	158386
A	172m W	Settling Tank	1989	161321
A	173m NW	Settling Tank	1989	158386
A	177m NW	Unspecified Tank	1956	168296
A	178m NW	Unspecified Tank	1956	168296
A	189m NW	Unspecified Tank	1956	165774
A	189m NW	Unspecified Tank	1956	165774
C	191m SE	Unspecified Tank	1920	149812
C	219m S	Tanks	1899	164914
C	220m S	Unspecified Tank	1920	149787
C	220m S	Tanks	1920	164914
C	227m S	Tanks	1920	159786
C	232m S	Unspecified Tank	1920	149786
C	239m S	Unspecified Tank	1996	162348
C	239m S	Unspecified Tank	1995	162348
C	239m S	Unspecified Tank	1983	162348
C	239m S	Unspecified Tank	1961	160295
C	239m S	Unspecified Tank	1955	160295
C	239m S	Unspecified Tank	1987	162348
C	241m S	Unspecified Tank	1988	160295
C	243m S	Tanks	1920	156263
C	245m S	Unspecified Tank	1899	149807
C	247m S	Unspecified Tank	1920	149785
C	254m S	Tanks	1899	159786
C	263m S	Unspecified Tank	1920	149779
C	264m S	Unspecified Tank	1875	149782
C	266m S	Tanks	1920	156262
C	271m S	Unspecified Tank	1875	149781

ID	Location	Land Use	Date	Group ID
C	283m S	Unspecified Tank	1919	149783
C	284m SW	Unspecified Tank	1920	149790
C	285m S	Tanks	1919	162937
C	285m S	Tanks	1900	162937
C	286m S	Unspecified Tank	1875	149780
C	286m SW	Unspecified Tank	1920	149789
C	291m SW	Unspecified Tank	1920	149788
C	293m S	Unspecified Tank	1875	149806
B	303m W	Unspecified Tank	1977	161599
B	303m W	Unspecified Tank	1967	161599
B	303m W	Unspecified Tank	1966	161599
B	303m W	Unspecified Tank	1995	161599
C	303m S	Unspecified Tank	1875	149809
B	305m W	Unspecified Tank	1989	160015
B	308m W	Unspecified Tank	1977	167363
B	308m W	Unspecified Tank	1967	160403
B	308m W	Unspecified Tank	1966	164933
B	308m W	Unspecified Tank	1995	165933
B	309m W	Unspecified Tank	1989	162129
B	313m NW	Unspecified Tank	1995	160484
B	314m NW	Unspecified Tank	1977	160484
C	315m S	Unspecified Tank	1875	149810
B	315m NW	Unspecified Tank	1989	165869
C	319m S	Unspecified Tank	1919	149805
7	324m NW	Unspecified Tank	1977	149778
C	335m SE	Unspecified Tank	1875	161437
C	335m SE	Unspecified Tank	1900	161437
C	335m SE	Unspecified Tank	1919	161437

ID	Location	Land Use	Date	Group ID
C	349m S	Unspecified Tank	1875	149784
C	352m S	Tanks	1919	168087
C	353m S	Tanks	1900	168087
C	355m S	Unspecified Tank	1875	149814
C	355m S	Unspecified Tank	1875	149813
C	355m S	Unspecified Tank	1875	149811
C	363m S	Tanks	1919	161808
C	364m S	Tanks	1900	161808
B	366m W	Unspecified Tank	1956	161566
B	366m W	Unspecified Tank	1956	161566
C	368m S	Unspecified Tank	1875	149815
B	375m NW	Unspecified Tank	1875	161230
C	375m S	Unspecified Tank	1875	149804
B	376m NW	Unspecified Tank	1899	161230
C	379m SE	Unspecified Tank	1875	149816
C	388m S	Unspecified Tank	1900	167108
C	388m S	Unspecified Tank	1919	167108
C	389m S	Unspecified Tank	1875	158478
C	394m S	Unspecified Tank	1875	149803
B	397m NW	Unspecified Tank	1875	167975
V	397m NE	Unspecified Tank	1966	149824
B	397m NW	Unspecified Tank	1899	167960
C	401m S	Unspecified Tank	1875	149802
B	401m W	Unspecified Tank	1956	159265
B	402m W	Unspecified Tank	1956	159265
AE	452m NW	Unspecified Tank	1875	149774
U	468m SE	Unspecified Tank	1900	163593
U	468m SE	Unspecified Tank	1919	163593

ID	Location	Land Use	Date	Group ID
AE	471m NW	Unspecified Tank	1920	158820
AE	471m NW	Unspecified Tank	1899	158820
AE	475m NW	Unspecified Tank	1875	158103
AG	478m NW	Unspecified Tank	1977	149777
U	479m SE	Unspecified Tank	1988	161435
U	480m SE	Unspecified Tank	1961	161435
U	480m SE	Unspecified Tank	1955	161435
AG	482m NW	Tanks	1977	156250
AG	485m NW	Tanks	1977	156251

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m

30

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 29**

ID	Location	Land Use	Date	Group ID
F	135m E	Electricity Substation	1983	91001
F	135m E	Electricity Substation	1989	91001
F	135m E	Electricity Substation	1992	91001
F	136m E	Electricity Substation	1999	91001
F	136m E	Electricity Substation	1973	91001
F	136m E	Electricity Substation	1955	91001
A	136m NW	Electricity Substation	1977	94074
A	136m NW	Electricity Substation	1967	94074
A	136m NW	Electricity Substation	1966	94074
A	137m NW	Electricity Substation	1995	94074
A	137m NW	Electricity Substation	1989	94074



ID	Location	Land Use	Date	Group ID
A	140m NW	Electricity Substation	1956	89094
A	140m NW	Electricity Substation	1956	89094
C	322m SW	Electricity Substation	1996	91476
C	322m SW	Electricity Substation	1995	91476
C	322m SW	Electricity Substation	1983	91476
C	324m SW	Electricity Substation	1987	93277
C	327m SW	Electricity Substation	1996	95298
C	327m SW	Electricity Substation	1995	95298
C	327m SW	Electricity Substation	1983	95298
C	328m SW	Electricity Substation	1987	85749
C	337m SW	Electricity Substation	1996	93186
C	337m SW	Electricity Substation	1995	93186
C	338m SW	Electricity Substation	1983	93186
C	339m SW	Electricity Substation	1987	93186
X	368m SW	Electricity Substation	1974	89886
X	368m SW	Electricity Substation	1996	89886
X	368m SW	Electricity Substation	1995	89886
X	369m SW	Electricity Substation	1983	89886
12	413m E	Electricity Substation	1989	85748

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

4

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

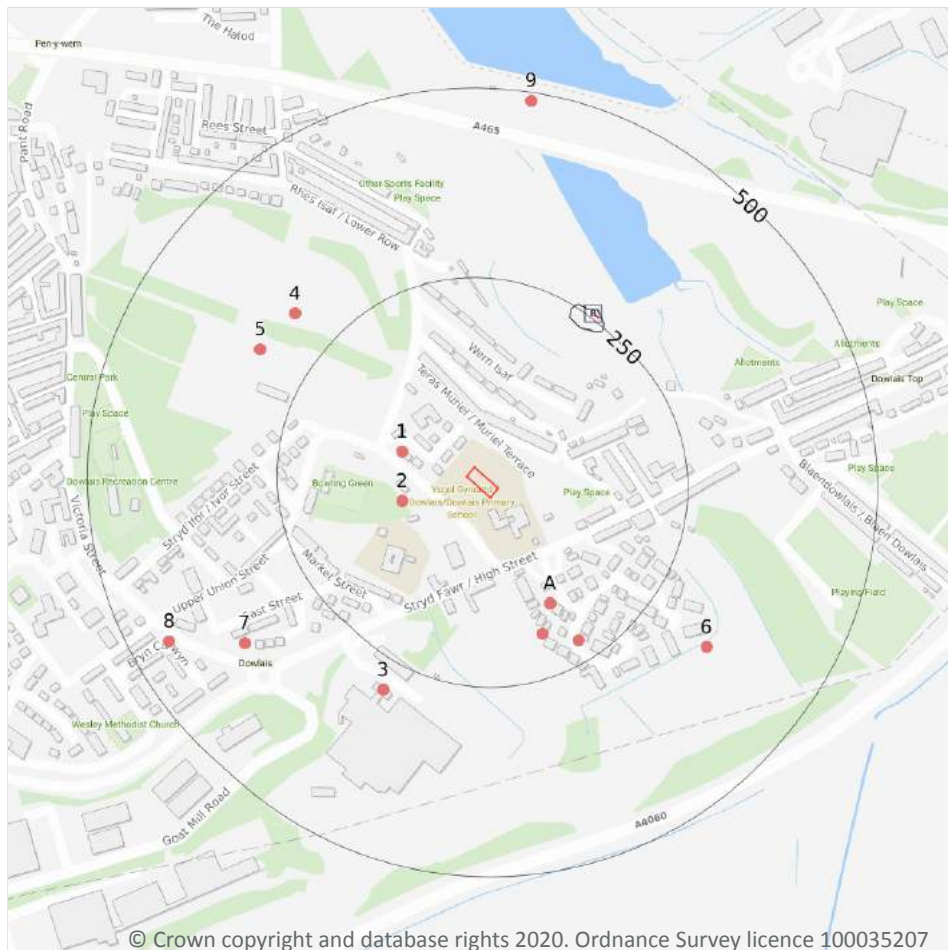
Features are displayed on the Past land use - un-grouped map on **page 29**

ID	Location	Land Use	Date	Group ID
AD	449m SW	Garage	1956	31792
AD	449m SW	Garage	1961	31792
AD	449m SW	Garage	1956	31792
AD	449m SW	Garage	1974	31792

This data is sourced from Ordnance Survey / Groundsure.



3 Waste and landfill



- Site Outline
- Search buffers in metres (m)
- Historical landfill (LA/OS)
- Waste exemptions

3.1 Active or recent landfill

Records within 500m

0

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

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

3.2 Historical landfill (BGS records)

Records within 500m

0

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

This data is sourced from the British Geological Survey.

3.3 Historical landfill (LA/mapping records)

Records within 500m**2**

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

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

ID	Location	Site address	Source	Data type
B	231m NE	Refuse Tip	1966 mapping	Polygon
B	231m NE	Refuse Tip	1966 mapping	Polygon

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

3.4 Historical landfill (EA/NRW records)

Records within 500m**0**

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

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

3.5 Historical waste sites

Records within 500m**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**0**

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

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

3.7 Waste exemptions

Records within 500m

14

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

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

ID	Location	Site	Reference	Category	Sub-Category	Description
1	91m W	INGMANTHORPE HALL, FLAT 9, YORK ROAD, WETHERBY, LS22 5EH	WEX095256	Storing waste exemption	On a farm	Storage of sludge
2	92m W	UPPER BARDLEY FARM, STOTTESDON, KIDDERMINSTER, DY14 8NF	WEX085736	Storing waste exemption	On a farm	Storage of sludge
A	160m SE	MEATON FARM, WYRE FOREST, ROCK, KIDDERMINSTER, DY14 8NT	WEX100409	Storing waste exemption	On a farm	Storage of sludge
A	160m SE	Meaton Farm, Meaton Lane, Rock, Worcestershire, DY14 8NT	WEX126471	Storing waste exemption	On a farm	Storage of sludge
A	160m SE	MEATON FARM, WYRE FOREST, ROCK, KIDDERMINSTER, DY14 8NT	WEX142464	Storing waste exemption	On a farm	Storage of sludge
A	192m S	MEATON FARM, WYRE FOREST, ROCK, KIDDERMINSTER, DY14 8NT	WEX100414	Storing waste exemption	On a farm	Storage of sludge
A	221m SE	MEATON FARM, WYRE FOREST, ROCK, KIDDERMINSTER, DY14 8NT	WEX100419	Storing waste exemption	On a farm	Storage of sludge
3	291m SW	OP Chocolate Limited, High Street, Dowlais, Merthyr Tudful, CF483TB	NRW- WME009944	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
4	311m NW	UPPER OVERTON, MIDDLETON SCRIVEN, BRIDGNORTH, WV16 6AG	WEX133048	Storing waste exemption	On a farm	Storage of sludge

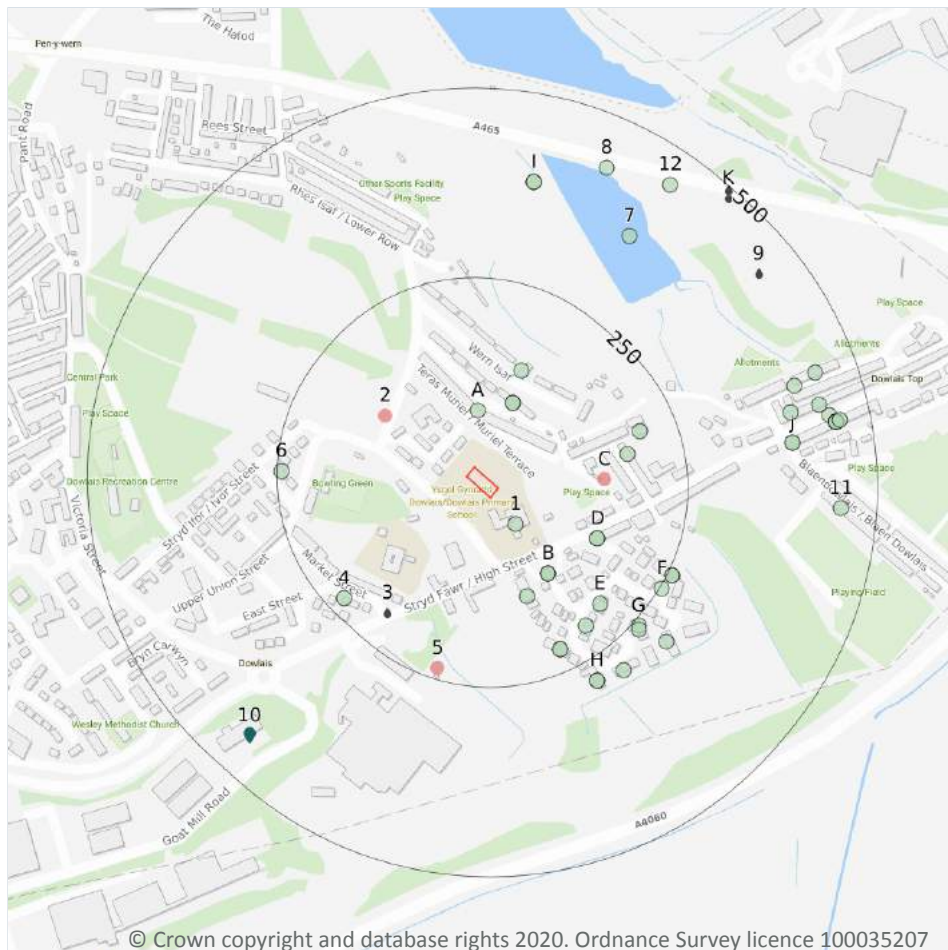


ID	Location	Site	Reference	Category	Sub-Category	Description
5	320m NW	INGMANTHORPE HALL, FLAT 9, YORK ROAD, WETHERBY, LS22 5EH	WEX094915	Storing waste exemption	On a farm	Storage of sludge
6	345m SE	UPPER BARDLEY FARM, STOTTESDON, KIDDERMINSTER, DY14 8NF	WEX087947	Storing waste exemption	On a farm	Storage of sludge
7	367m SW	CURDALE FARM, CLEOBURY MORTIMER, KIDDERMINSTER, DY14 0HA	WEX100408	Storing waste exemption	On a farm	Storage of sludge
8	449m SW	CURDALE FARM, CLEOBURY MORTIMER, KIDDERMINSTER, DY14 0HA	WEX141385	Storing waste exemption	On a farm	Storage of sludge
9	489m N	UPPER OVERTON, MIDDLETON SCRIVEN, BRIDGNORTH, WV16 6AG	WEX135297	Storing waste exemption	On a farm	Storage of sludge

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
- Licensed pollutant release (Part A(2)/B)
- Licensed Discharges to controlled waters
- Pollution Incidents (EA/NRW)

4.1 Recent industrial land uses

Records within 250m

3

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on **page 53**

ID	Location	Company	Address	Activity	Category
2	134m NW	Electricity Sub Station	Mid Glamorgan, CF48	Electrical Features	Infrastructure and Facilities
C	140m E	Electricity Sub Station	Mid Glamorgan, CF48	Electrical Features	Infrastructure and Facilities
5	235m S	Tank	Mid Glamorgan, CF48	Tanks (Generic)	Industrial Features



This data is sourced from Ordnance Survey.

4.2 Current or recent petrol stations

Records within 500m

0

Open, closed, under development and obsolete petrol stations.

This data is sourced from Experian.

4.3 Electricity cables

Records within 500m

0

High voltage underground electricity transmission cables.

This data is sourced from National Grid.

4.4 Gas pipelines

Records within 500m

0

High pressure underground gas transmission pipelines.

This data is sourced from National Grid.

4.5 Sites determined as Contaminated Land

Records within 500m

0

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

This data is sourced from Local Authority records.

4.6 Control of Major Accident Hazards (COMAH)

Records within 500m

0

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

This data is sourced from the Health and Safety Executive.



4.7 Regulated explosive sites

Records within 500m

0

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

This data is sourced from the Health and Safety Executive.

4.8 Hazardous substance storage/usage

Records within 500m

0

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

This data is sourced from Local Authority records.

4.9 Historical licensed industrial activities (IPC)

Records within 500m

0

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

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

4.10 Licensed industrial activities (Part A(1))

Records within 500m

0

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

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

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

Records within 500m

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 53**

ID	Location	Address	Details	
10	445m SW	The LUC Group, Unit 6, Goat Mill Road, Dowlais, Merthyr Tydfil, Mid Glamorgan, CF48 3TD	Process: Di-isocyanate Processes 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	4
----------------------------	----------

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

Features are displayed on the Current industrial land use map on **page 53**

ID	Location	Address	Details	
3	203m SW	Dowlais Market St & High St Junction, 34 Market St, Dowlais, Merthyr Tydfil, CF48 3HL	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: BB3396CG Permit Version: 1 Receiving Water: Unnamed tributary leading to Nant Morlais	Status: Effective Issue date: 14/08/2019 Effective Date: 14/08/2019 Revocation Date: -
9	444m NE	DOWLAIS WORKS	Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: AF4019201 Permit Version: 1 Receiving Water: FISH POND	Status: CONSENT EXPIRED - TIME LIMIT Issue date: 01/09/1976 Effective Date: 01/09/1976 Revocation Date: 06/03/1995
K	487m NE	ASDA LTD POINT 1 DOWLAIS TOP, DOWLAIS TOP	Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: AF4019001 Permit Version: 1 Receiving Water: UNNAMED STREAM TO UPPER PENYWE	Status: CONSENT EXPIRED - TIME LIMIT Issue date: 18/06/1976 Effective Date: 18/06/1976 Revocation Date: 17/05/1993



ID	Location	Address	Details	
K	494m NE	ASDA LTD POINT 2 DOWLAIS TOP, DOWLAIS TOP	Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: AF4020201 Permit Version: 1 Receiving Water: CULVERT TO UPPER/LOWER PENYWER	Status: CONSENT EXPIRED - TIME LIMIT Issue date: 10/01/1976 Effective Date: 10/01/1976 Revocation Date: 17/05/1993

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

4.14 Pollutant release to surface waters (Red List)

Records within 500m	0
----------------------------	----------

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

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

4.15 Pollutant release to public sewer

Records within 500m	0
----------------------------	----------

Discharges of Special Category Effluents to the public sewer.

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

4.16 List 1 Dangerous Substances

Records within 500m	0
----------------------------	----------

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

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

4.17 List 2 Dangerous Substances

Records within 500m	0
----------------------------	----------

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

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

4.18 Pollution Incidents (EA/NRW)

Records within 500m

51

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 53**

ID	Location	Details	
1	48m SE	Incident Date: 21/11/2014 Incident Identification: 1296142 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Smoke	Water Impact: - Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
A	75m N	Incident Date: 30/05/2003 Incident Identification: 162058 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)
A	98m NE	Incident Date: 29/09/2002 Incident Identification: 111321 Pollutant: Other Pollutant Pollutant Description: Other	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
A	98m NE	Incident Date: 29/09/2002 Incident Identification: 111321 Pollutant: Other Pollutant Pollutant Description: Other	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
B	125m SE	Incident Date: 25/04/2001 Incident Identification: 3434 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Other Atmospheric Pollutant or Effect	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
B	125m SE	Incident Date: 28/10/2001 Incident Identification: 39978 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)
B	125m SE	Incident Date: 27/04/2001 Incident Identification: 3581 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Other Atmospheric Pollutant or Effect	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
B	138m S	Incident Date: 18/06/2007 Incident Identification: 504917 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Landfill Odour	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 2 (Significant)



ID	Location	Details	
A	141m NE	Incident Date: 19/01/2014 Incident Identification: 1195846 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Landfill Odour	Water Impact: - Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
D	146m SE	Incident Date: 15/11/2001 Incident Identification: 42914 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)
D	146m SE	Incident Date: 16/04/2002 Incident Identification: 71926 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)
C	176m E	Incident Date: 21/09/2001 Incident Identification: 31975 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)
E	200m SE	Incident Date: 17/12/2006 Incident Identification: 457059 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Landfill Odour	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 2 (Significant)
C	201m E	Incident Date: 05/03/2003 Incident Identification: 141309 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Other Atmospheric Pollutant or Effect	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
E	210m SE	Incident Date: 20/05/2001 Incident Identification: 6091 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Effects on Humans	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
E	220m SE	Incident Date: 19/01/2015 Incident Identification: 1307709 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Landfill Odour	Water Impact: - Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
E	220m SE	Incident Date: 28/12/2014 Incident Identification: 1303079 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Landfill Odour	Water Impact: - Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
4	227m SW	Incident Date: 20/05/2001 Incident Identification: 6092 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Effects on Humans	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)



ID	Location	Details	
6	244m W	Incident Date: 23/03/2002 Incident Identification: 66070 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Landfill Odour	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 2 (Significant)
F	253m SE	Incident Date: 28/03/2012 Incident Identification: 975201 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Dust	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 2 (Significant)
F	255m SE	Incident Date: 16/11/2013 Incident Identification: 1176734 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Landfill Odour	Water Impact: - Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
F	255m SE	Incident Date: 13/11/2013 Incident Identification: 1175782 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Landfill Odour	Water Impact: - Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
G	258m SE	Incident Date: 20/05/2001 Incident Identification: 6093 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Fumes	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
G	261m SE	Incident Date: 08/12/2001 Incident Identification: 47253 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)
H	278m SE	Incident Date: 05/02/2003 Incident Identification: 135112 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Other Atmospheric Pollutant or Effect	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
H	278m SE	Incident Date: 07/10/2007 Incident Identification: 536601 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Landfill Odour	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 2 (Significant)
H	287m SE	Incident Date: 26/03/2002 Incident Identification: 66863 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)
G	299m SE	Incident Date: 28/03/2002 Incident Identification: 67235 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)

ID	Location	Details	
7	367m NE	Incident Date: 13/02/2003 Incident Identification: 136781 Pollutant: Other Pollutant Pollutant Description: Other	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
I	384m N	Incident Date: 22/07/2016 Incident Identification: 1604117 Pollutant: Other Pollutant Pollutant Description: Other	Water Impact: Category 3 (Minor) Land Impact: Other Air Impact: Other
I	384m N	Incident Date: 22/07/2016 Incident Identification: 1604117 Pollutant: - Pollutant Description: -	Water Impact: Category 3 (Minor) Land Impact: Other Air Impact: Other
J	392m E	Incident Date: 13/07/2003 Incident Identification: 173290 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)
J	392m E	Incident Date: 24/04/2001 Incident Identification: 3239 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Other Atmospheric Pollutant or Effect	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
J	397m E	Incident Date: 20/05/2001 Incident Identification: 6090 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Fumes	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
J	412m E	Incident Date: 24/09/2003 Incident Identification: 192295 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)
8	431m NE	Incident Date: 20/05/2002 Incident Identification: 79806 Pollutant: Oils and Fuel Pollutant Description: Petrol	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
J	437m E	Incident Date: 14/07/2003 Incident Identification: 173645 Pollutant: Pollutant Not Identified Pollutant Description: Not Identified	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
J	445m E	Incident Date: 27/10/2001 Incident Identification: 39712 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)

ID	Location	Details	
J	447m E	Incident Date: 01/05/2001 Incident Identification: 4012 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Other Atmospheric Pollutant or Effect	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
11	452m E	Incident Date: 22/08/2001 Incident Identification: 26127 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)
J	453m E	Incident Date: 04/12/2001 Incident Identification: 46526 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)
J	453m E	Incident Date: 23/08/2001 Incident Identification: 26411 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)
J	453m E	Incident Date: 28/08/2001 Incident Identification: 27436 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)
J	453m E	Incident Date: 10/12/2002 Incident Identification: 125472 Pollutant: Other Pollutant Pollutant Description: Other	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
J	453m E	Incident Date: 18/06/2001 Incident Identification: 10049 Pollutant: Other Pollutant Pollutant Description: Other	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
J	453m E	Incident Date: 13/11/2013 Incident Identification: 1175806 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Landfill Odour	Water Impact: - Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
J	453m E	Incident Date: 13/12/2014 Incident Identification: 1300863 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Landfill Odour	Water Impact: - Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
J	453m E	Incident Date: 28/12/2014 Incident Identification: 1303077 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Landfill Odour	Water Impact: - Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)

ID	Location	Details	
J	453m E	Incident Date: 28/08/2001 Incident Identification: 27436 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)
12	453m NE	Incident Date: 21/09/2002 Incident Identification: 109497 Pollutant: Inorganic Chemicals/Products Pollutant Description: Other Inorganic Chemical or Product	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
J	458m E	Incident Date: 28/05/2003 Incident Identification: 161450 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

0

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

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

4.20 Pollution inventory waste transfers

Records within 500m

0

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

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

4.21 Pollution inventory radioactive waste

Records within 500m

0

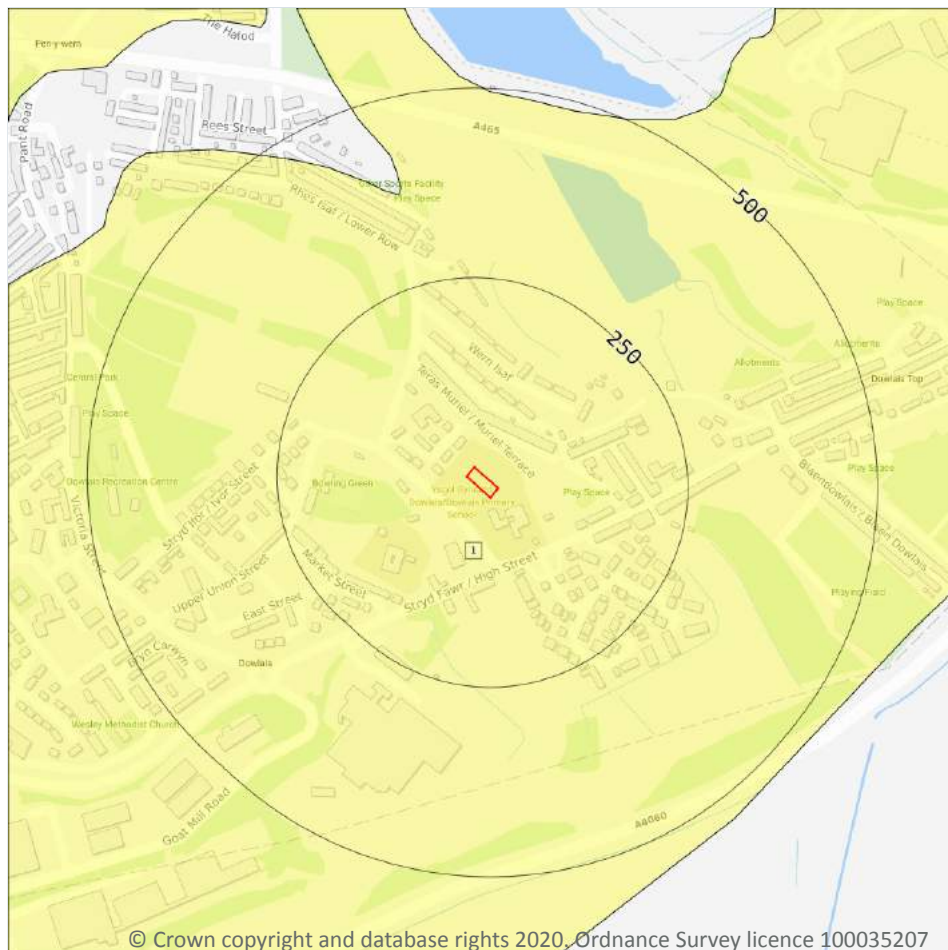
The pollution inventory (radioactive wastes) includes reporting on annual releases of radioactive substances from a site, including the means of release. Where releases fall below the reporting threshold, no value will be given. The data is given for the most recent complete year available.



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



5 Hydrogeology - Superficial aquifer



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

5.1 Superficial aquifer

Records within 500m

1

Aquifer status of groundwater held within superficial geology.

Features are displayed on the Hydrogeology map on **page 65**

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

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



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-  Principal
-  Secondary A
-  Secondary B
-  Secondary Undifferentiated
-  Unproductive

Records within 500m	1
---------------------	---

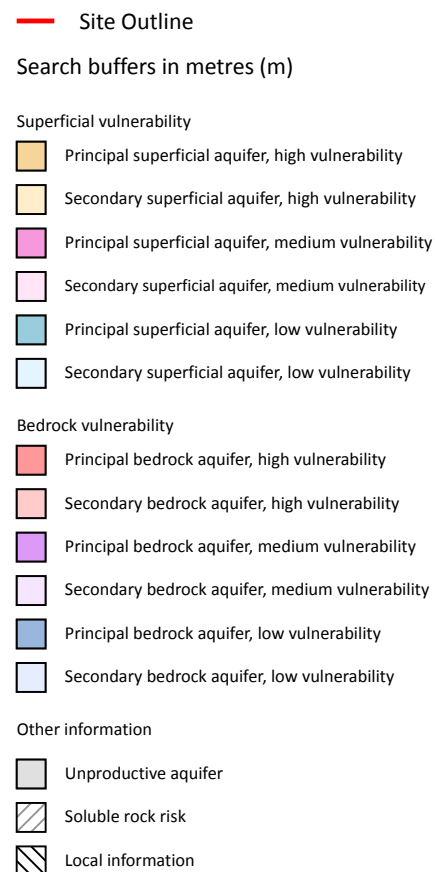
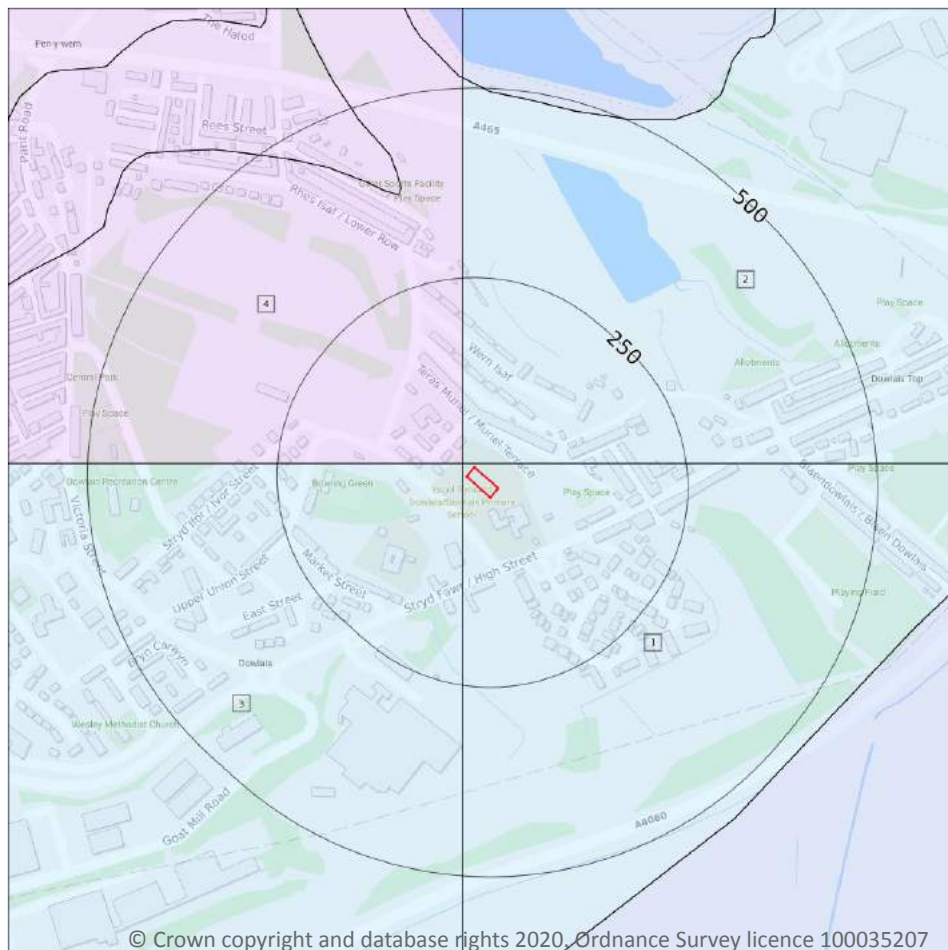
Features are displayed on the Bedrock aquifer map on **page 66**

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


 Contact us with any questions at:
info@groundsure.com
 08444 159 000

Date: 6 March 2020
 

Groundwater vulnerability



5.3 Groundwater vulnerability

Records within 50m

4

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 67**

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	On site	Summary Classification: Secondary superficial aquifer - Low Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: <40% Dilution value: >550mm/year	Vulnerability: Low Aquifer type: Secondary Thickness: >10m Patchiness value: >90% Recharge potential: No Data	Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures
2	4m N	Summary Classification: Secondary superficial aquifer - Low Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: <40% Dilution value: >550mm/year	Vulnerability: Low Aquifer type: Secondary Thickness: 3-10m Patchiness value: <90% Recharge potential: Low	Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures
3	5m W	Summary Classification: Secondary superficial aquifer - Low Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: <40% Dilution value: >550mm/year	Vulnerability: Low Aquifer type: Secondary Thickness: 3-10m Patchiness value: >90% Recharge potential: Low	Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures
4	15m NW	Summary Classification: Secondary bedrock aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: <40% Dilution value: >550mm/year	Vulnerability: Low Aquifer type: Secondary Thickness: 3-10m Patchiness value: <90% Recharge potential: High	Vulnerability: Medium Aquifer type: Secondary Flow mechanism: Well connected fractures

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

5.4 Groundwater vulnerability- soluble rock risk

Records on site

0

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

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

5.5 Groundwater vulnerability- local information

Records on site

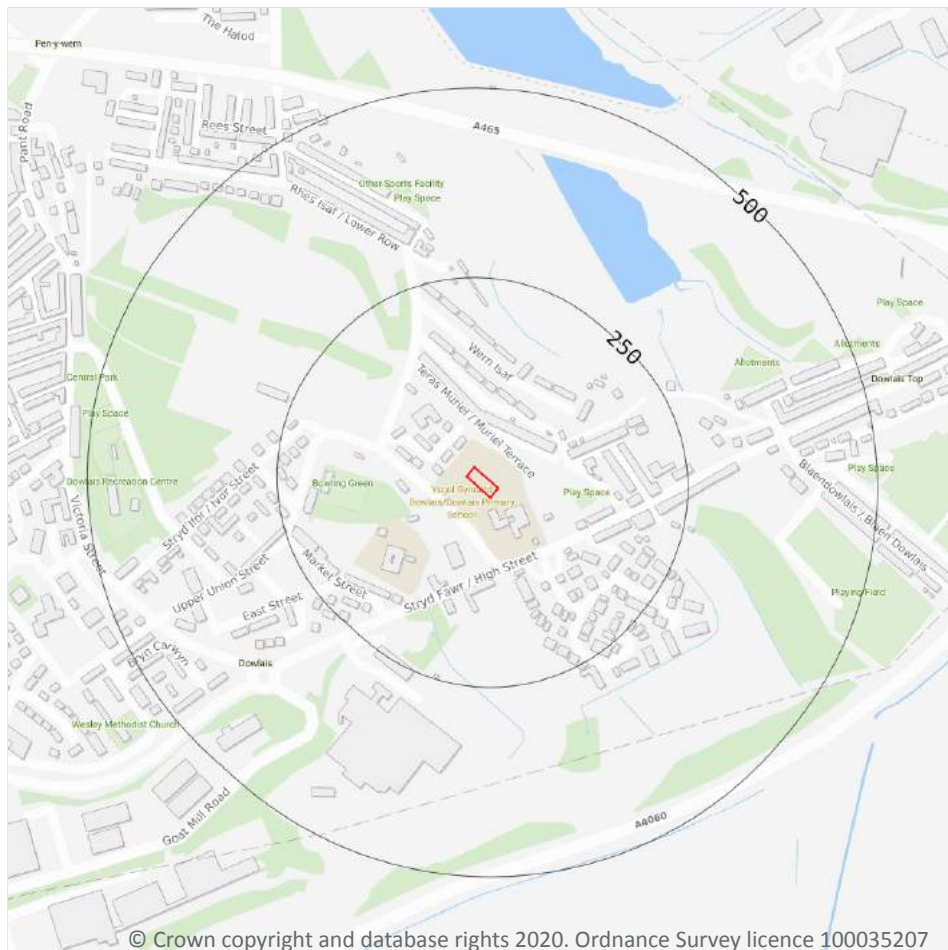
0

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

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



Abstractions and Source Protection Zones



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

5.6 Groundwater abstractions

Records within 2000m

3

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 69**

ID	Location	Details	
-	1228m NE	Status: Historical Licence No: 21/57/22/0040 Details: Process Water Direct Source: EAW Groundwater Point: BOREHOLE (A) AT ST MERRYIN MEAT LTD, DOWLAIS Data Type: Point Name: St Merryn Meat Ltd Easting: 308100 Northing: 208600	Annual Volume (m ³): 146000 Max Daily Volume (m ³): 600 Original Application No: - Original Start Date: 07/09/1998 Expiry Date: - Issue No: 101 Version Start Date: 14/01/2000 Version End Date: -
-	1359m NE	Status: Historical Licence No: 21/57/22/0040 Details: Process Water Direct Source: EAW Groundwater Point: BOREHOLE (B) AT ST MERRYIN MEAT LTD, DOWLAIS Data Type: Point Name: St Merryn Meat Ltd Easting: 308090 Northing: 208840	Annual Volume (m ³): 146000 Max Daily Volume (m ³): 600 Original Application No: - Original Start Date: 07/09/1998 Expiry Date: - Issue No: 101 Version Start Date: 14/01/2000 Version End Date: -
-	1522m NE	Status: Historical Licence No: 21/57/22/0040 Details: Process Water Direct Source: EAW Groundwater Point: BOREHOLE (C) AT ST MERRYIN MEAT LTD, DOWLAIS Data Type: Point Name: St Merryn Meat Ltd Easting: 308280 Northing: 208860	Annual Volume (m ³): 146000 Max Daily Volume (m ³): 600 Original Application No: - Original Start Date: 07/09/1998 Expiry Date: - Issue No: 101 Version Start Date: 14/01/2000 Version End Date: -

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

5.7 Surface water abstractions

Records within 2000m

6

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

Features are displayed on the Abstractions and Source Protection Zones map on **page 69**



ID	Location	Details	
-	1264m SE	Status: Historical Licence No: 21/57/22/0026 Details: General Washing/Process Washing Direct Source: EAW Surface Water Point: MORRIS POND Data Type: Point Name: Miller Argent (South Wales) Ltd Easting: 307830 Northing: 206970	Annual Volume (m ³): 4546 Max Daily Volume (m ³): 681.9 Original Application No: - Original Start Date: 12/08/1977 Expiry Date: - Issue No: 103 Version Start Date: 14/12/2003 Version End Date: -
-	1296m E	Status: Historical Licence No: 21/57/22/0001 Details: General use relating to Secondary Category (Medium Loss) Direct Source: EAW Surface Water Point: ROADSIDE POND Data Type: Point Name: Corus UK Ltd Easting: 308250 Northing: 208450	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 11/02/1966 Expiry Date: - Issue No: 101 Version Start Date: 17/04/2000 Version End Date: -
-	1779m S	Status: Active Licence No: 21/57/22/0009 Details: Transfer between Sources (Pre Water Act 2003) - Very Low Direct Source: Four Reservoirs Merthyr Tydfil Point: - Data Type: Point Name: - Easting: 307690 Northing: 206300	Annual Volume (m ³): 90,920 Max Daily Volume (m ³): - Original Application No: - Original Start Date: Sep 20 2018 12:00AM Expiry Date: - Issue No: - Version Start Date: - Version End Date: -
-	1782m S	Status: Historical Licence No: 21/57/22/0009 Details: Transfer Between Sources (Pre Water Act 2003) Direct Source: EAW Surface Water Point: RESERVOIR A Data Type: Point Name: Miller Argent (South Wales) Ltd Easting: 307700 Northing: 206300	Annual Volume (m ³): 90920 Max Daily Volume (m ³): 272.76 Original Application No: - Original Start Date: 11/02/1966 Expiry Date: - Issue No: 103 Version Start Date: 14/12/2003 Version End Date: -

ID	Location	Details	
-	1916m NE	Status: Historical Licence No: 21/57/22/0001 Details: General use relating to Secondary Category (Medium Loss) Direct Source: EAW Surface Water Point: PITWELLT RESERVIOR Data Type: Point Name: Corus UK Ltd Easting: 307910 Northing: 209690	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 11/02/1966 Expiry Date: - Issue No: 101 Version Start Date: 17/04/2000 Version End Date: -
-	1982m NE	Status: Historical Licence No: 21/57/22/0001 Details: General use relating to Secondary Category (Medium Loss) Direct Source: EAW Surface Water Point: JEPSON'S POND Data Type: Point Name: Corus UK Ltd Easting: 308600 Northing: 209200	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 11/02/1966 Expiry Date: - Issue No: 101 Version Start Date: 17/04/2000 Version End Date: -

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

5.8 Potable abstractions

Records within 2000m

0

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

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

5.9 Source Protection Zones

Records within 500m

0

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

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



5.10 Source Protection Zones (confined aquifer)

Records within 500m

0

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

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



6 Hydrology



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

6.1 Water Network (OS MasterMap)

Records within 250m

11

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 74**

ID	Location	Type of water feature	Ground level	Permanence	Name
A	178m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
B	182m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
3	184m NE	Inland river not influenced by normal tidal action.	Not provided	Watercourse contains water year round (in normal circumstances)	-
A	192m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	193m SW	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	193m SW	Inland river not influenced by normal tidal action.	Not provided	Watercourse contains water year round (in normal circumstances)	-
A	194m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	196m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	210m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
4	249m E	Inland river not influenced by normal tidal action.	Not provided	Watercourse contains water year round (in normal circumstances)	-
D	249m E	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

4

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

Features are displayed on the Hydrology map on **page 74**



This data is sourced from the Ordnance Survey.

6.3 WFD Surface water body catchments

Records on site	1
------------------------	----------

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

Features are displayed on the Hydrology map on **page 74**

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
2	On site	River WB catchment	Taff - conf Taf Fechan to conf R Cynon	GB109057033100	Taff u s Cynon	South East Valleys

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

6.4 WFD Surface water bodies

Records identified	1
---------------------------	----------

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

Features are displayed on the Hydrology map on **page 74**

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
-	2830m SW	River	Taff - conf Taf Fechan to conf R Cynon	GB109057033100	Moderate	Good	Moderate	2016

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

6.5 WFD Groundwater bodies

Records on site

1

Groundwater bodies are also covered by the Directive and the same regime of objectives and reporting detailed in the previous section is in place.

Features are displayed on the Hydrology map on **page 74**

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
1	On site	SE Valleys Carboniferous Coal Measures	GB40902G201900	Poor	Poor	Good	2016

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



7 River and coastal flooding

7.1 Risk of Flooding from Rivers and Sea (RoFRaS)

Records within 50m

0

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

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

7.2 Historical Flood Events

Records within 250m

0

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

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

7.3 Flood Defences

Records within 250m

0

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

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

7.4 Areas Benefiting from Flood Defences

Records within 250m

0

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

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



7.5 Flood Storage Areas

Records within 250m

0

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

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



River and coastal flooding - Flood Zones

7.6 Flood Zone 2

Records within 50m

0

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

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

7.7 Flood Zone 3

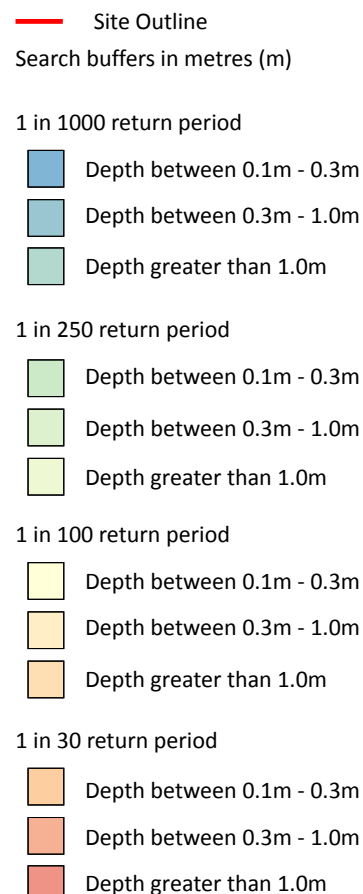
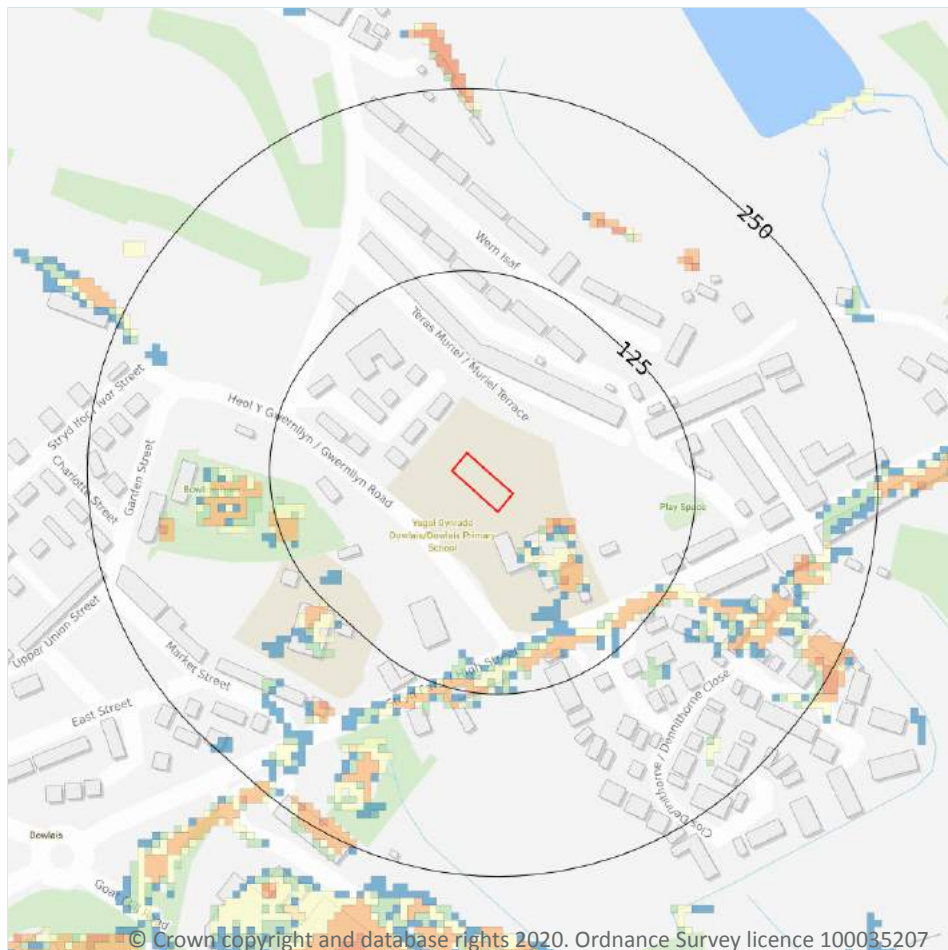
Records within 50m

0

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

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

8 Surface water flooding



8.1 Surface water flooding

Highest risk on site

Negligible

Highest risk within 50m

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 81**

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

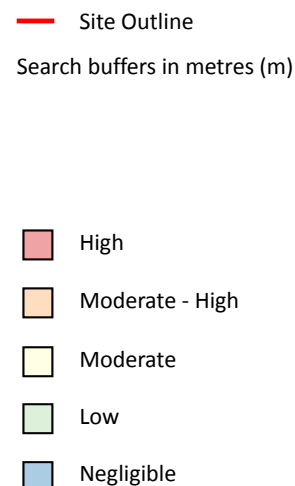
The table below shows the maximum flood depths for a range of return periods for the site.

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

This data is sourced from Ambiental Risk Analytics.



9 Groundwater flooding



9.1 Groundwater flooding

Highest risk on site

Moderate

Highest risk within 50m

Moderate

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

Features are displayed on the Groundwater flooding map on **page 83**

This data is sourced from Ambient Risk Analytics.

10 Environmental designations

10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m

0

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

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

10.2 Conserved wetland sites (Ramsar sites)

Records within 2000m

0

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

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

10.3 Special Areas of Conservation (SAC)

Records within 2000m

0

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

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

10.4 Special Protection Areas (SPA)

Records within 2000m

0

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

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



10.5 National Nature Reserves (NNR)

Records within 2000m

0

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

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

10.6 Local Nature Reserves (LNR)

Records within 2000m

0

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

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

10.7 Designated Ancient Woodland

Records within 2000m

0

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

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

10.8 Biosphere Reserves

Records within 2000m

0

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

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

10.9 Forest Parks

Records within 2000m

0

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

This data is sourced from the Forestry Commission.

10.10 Marine Conservation Zones

Records within 2000m

0

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

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

10.11 Green Belt

Records within 2000m

0

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

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

10.12 Proposed Ramsar sites

Records within 2000m

0

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

This data is sourced from Natural England.

10.13 Possible Special Areas of Conservation (pSAC)

Records within 2000m

0

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

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

10.14 Potential Special Protection Areas (pSPA)

Records within 2000m

0

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

This data is sourced from Natural England.

10.15 Nitrate Sensitive Areas

Records within 2000m

0

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

This data is sourced from Natural England.

10.16 Nitrate Vulnerable Zones

Records within 2000m

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

10.17 SSSI Impact Risk Zones

Records on site	0
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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.

This data is sourced from Natural England.

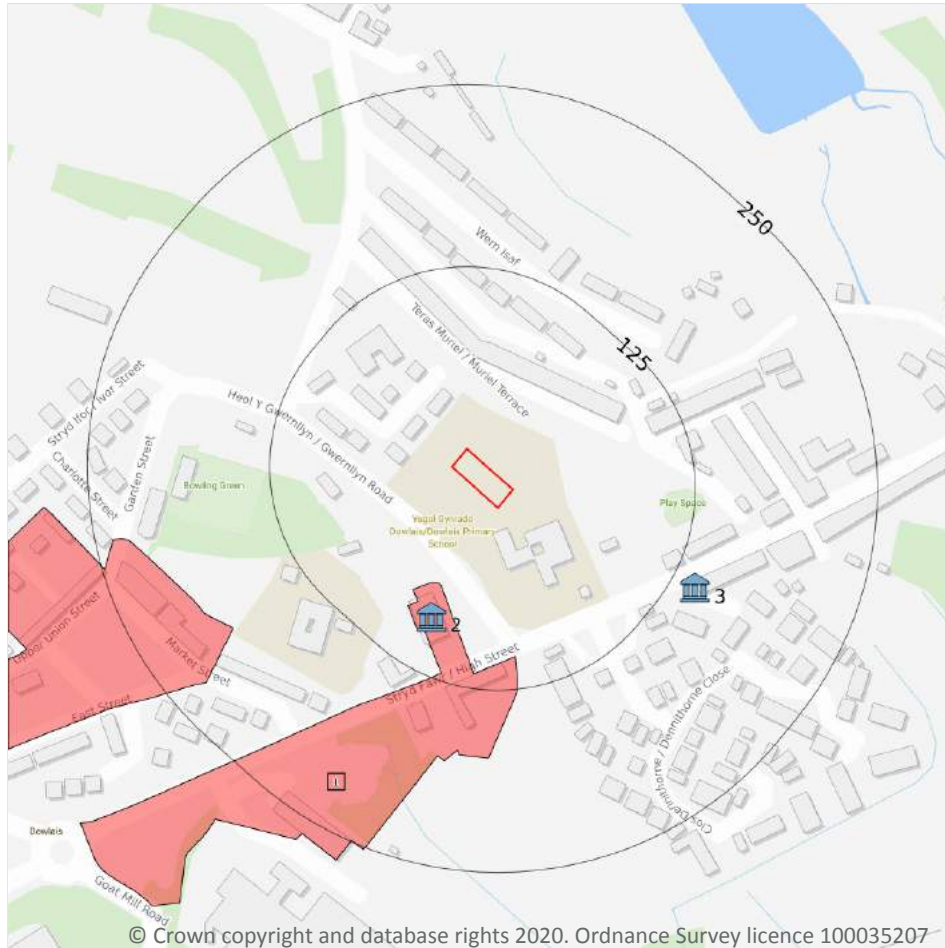
10.18 SSSI Units

Records within 2000m	0
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Divisions of SSSIs used to record management and condition details. Units are the smallest areas for which Natural England gives a condition assessment, however, the size of units varies greatly depending on the types of management and the conservation interest.

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

11 Visual and cultural designations



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

11.1 World Heritage Sites

Records within 250m

0

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

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

11.2 Area of Outstanding Natural Beauty

Records within 250m

0

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

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

11.3 National Parks

Records within 250m

0

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

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

11.4 Listed Buildings

Records within 250m

2

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

Features are displayed on the Visual and cultural designations map on **page 89**

ID	Location	Name	Grade	Reference Number	Listed date
2	88m SW	Former Guest Memorial Library, On The NW Side Of The High Street At The SW Side Of Its Junction With Gwernllyn Road	II*	11490	22/08/1975
3	142m SE	Mile Post, Situated On The SE Side Of The High Street Attached At Pavement Level To The Wall Of Caeharris Post Office	II	27084	12/11/2002

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



11.5 Conservation Areas

Records within 250m

1

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

Features are displayed on the Visual and cultural designations map on **page 89**

ID	Location	Name	District	Date of designation
1	66m SW	Dowlais	MERTHYR TYDFIL	1997-11-01

This data is sourced from English Heritage, 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 English Heritage, 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 English Heritage, 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 3a - good quality
- Grade 3b - moderate quality
- Grade 4 - poor quality
- Grade 5 - very poor quality
- Timber felling licences
- Open Access land

12.1 Agricultural Land Classification

Records within 250m

2

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 92**

ID	Location	Classification	Description
3	159m N	Grade 4	Poor quality agricultural land
4	205m S	Grade 4	Poor quality agricultural land

This data is sourced from Natural Resources Wales.

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.

This data is sourced from Natural England.

12.5 Countryside Stewardship Schemes

Records within 250m**0**

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

This data is sourced from Natural England.

13 Habitat designations

13.1 Priority Habitat Inventory

Records within 250m

0

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

This data is sourced from Natural England.

13.2 Habitat Networks

Records within 250m

0

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

This data is sourced from Natural England.

13.3 Open Mosaic Habitat

Records within 250m

0

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

This data is sourced from Natural England.

13.4 Limestone Pavement Orders

Records within 250m

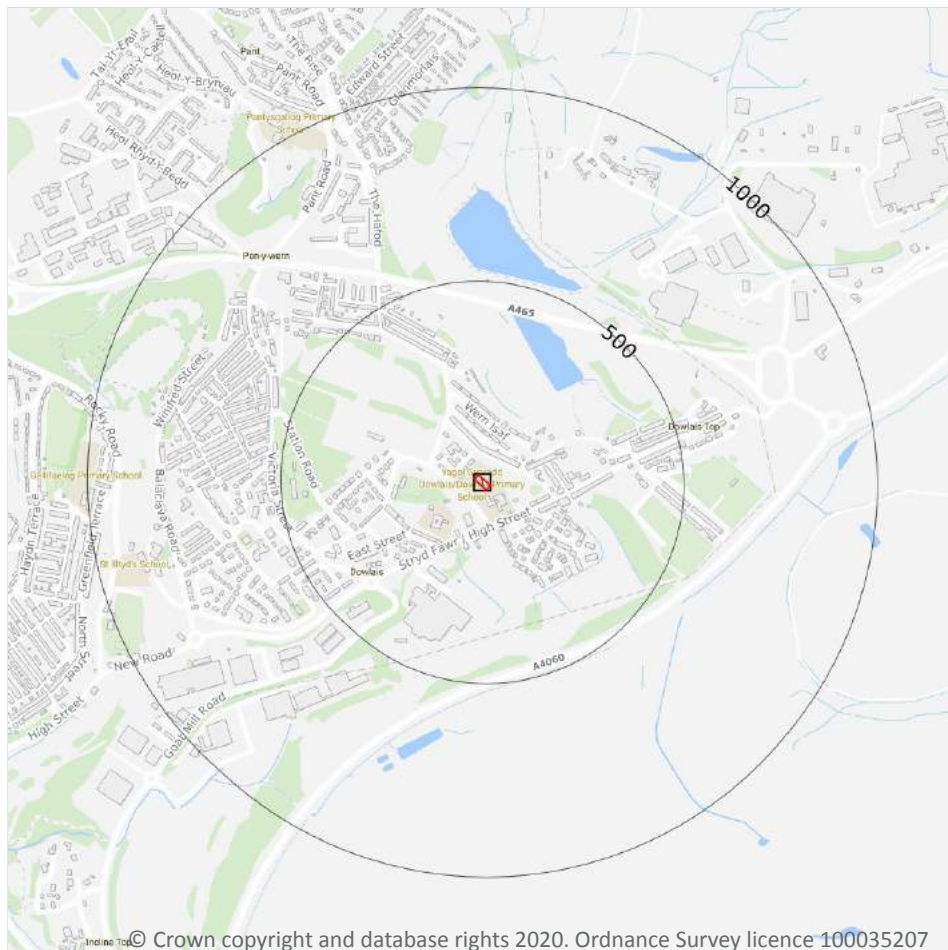
0

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

This data is sourced from Natural England.



14 Geology 1:10,000 scale - Availability



- Site Outline
- Search buffers in metres (m)
- Full coverage
 - Partial coverage
 - No coverage

14.1 10k Availability

Records within 500m

1

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

Features are displayed on the Geology 1:10,000 scale - Availability map on **page 95**

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

This data is sourced from the British Geological Survey.

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

14.2 Artificial and made ground (10k)

Records within 500m

0

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.

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Superficial

14.3 Superficial geology (10k)

Records within 500m

0

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.

This data is sourced from the British Geological Survey.

14.4 Landslip (10k)

Records within 500m

0

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

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Bedrock

14.5 Bedrock geology (10k)

Records within 500m

0

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.

This data is sourced from the British Geological Survey.

14.6 Bedrock faults and other linear features (10k)

Records within 500m

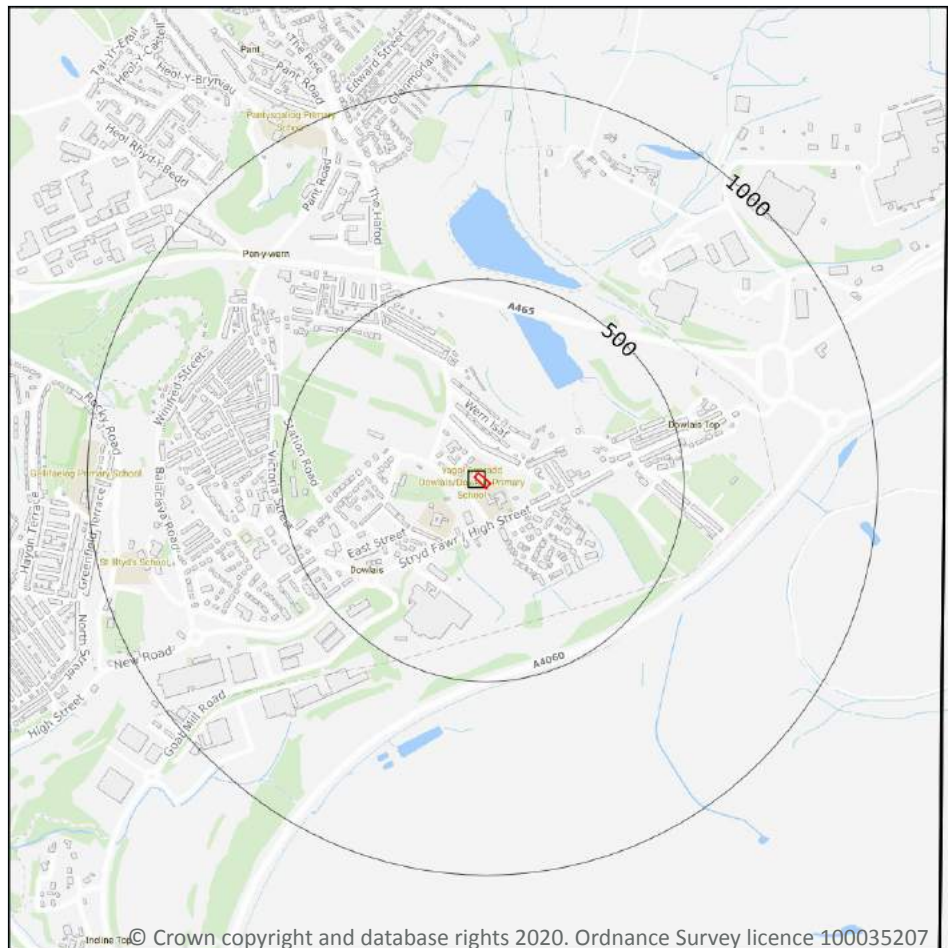
0

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.

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

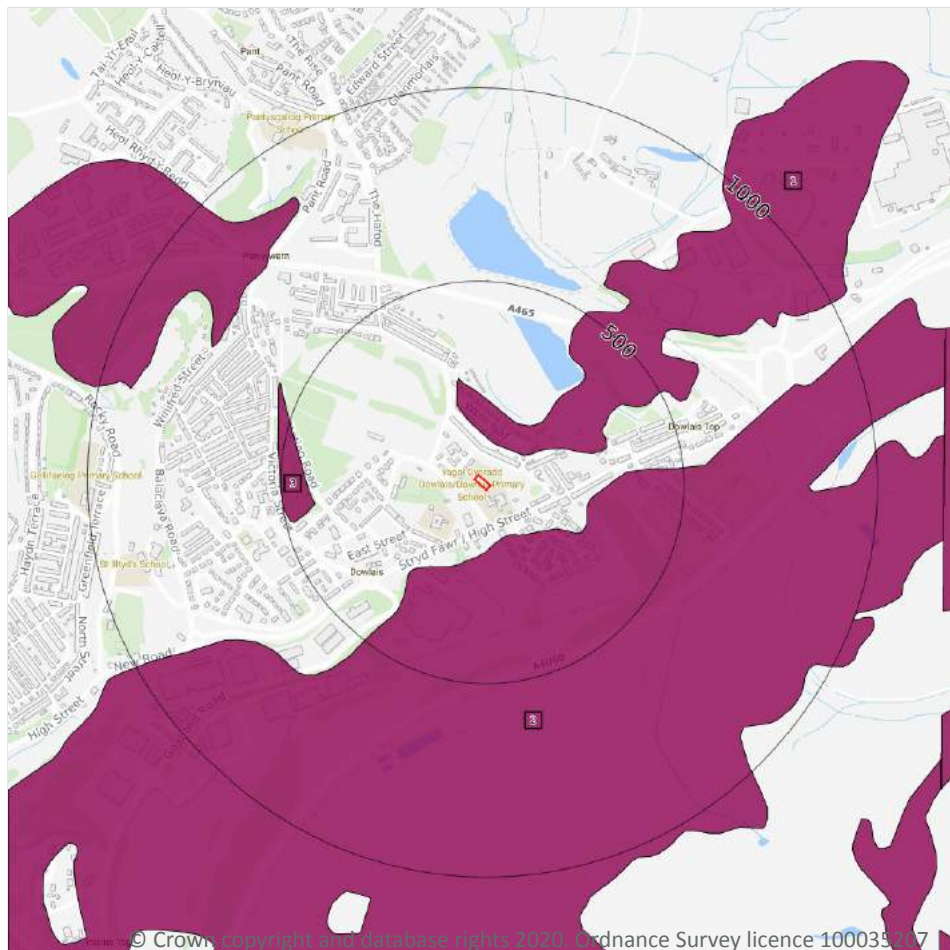
An indication on the coverage of 1:50,000 scale geology data for the site. Either 'Full' or 'No coverage' for each geological theme. Where 50k data is not available, this area has been filled in with 625k scale data.

Features are displayed on the Geology 1:50,000 scale - Availability map on **page 99**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	Full	EW231_merthyr_v4

This data is sourced from the British Geological Survey.

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



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

15.2 Artificial and made ground (50k)

Records within 500m

3

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 100**

ID	Location	LEX Code	Description	Rock description
1	90m NE	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT
2	129m S	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT
3	417m W	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

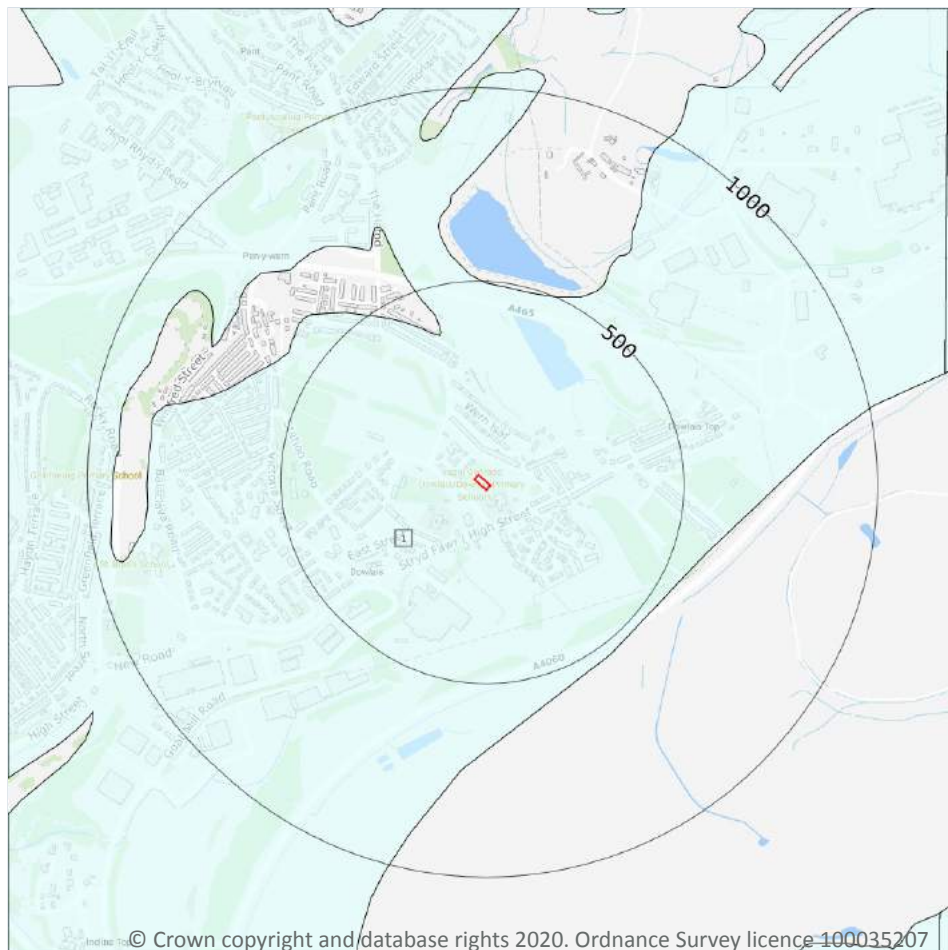
0

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

1

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

Features are displayed on the Geology 1:50,000 scale - Superficial map on **page 102**

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

This data is sourced from the British Geological Survey.

15.5 Superficial permeability (50k)

Records within 50m**1**

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

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

This data is sourced from the British Geological Survey.

15.6 Landslip (50k)

Records within 500m**0**

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

This data is sourced from the British Geological Survey.

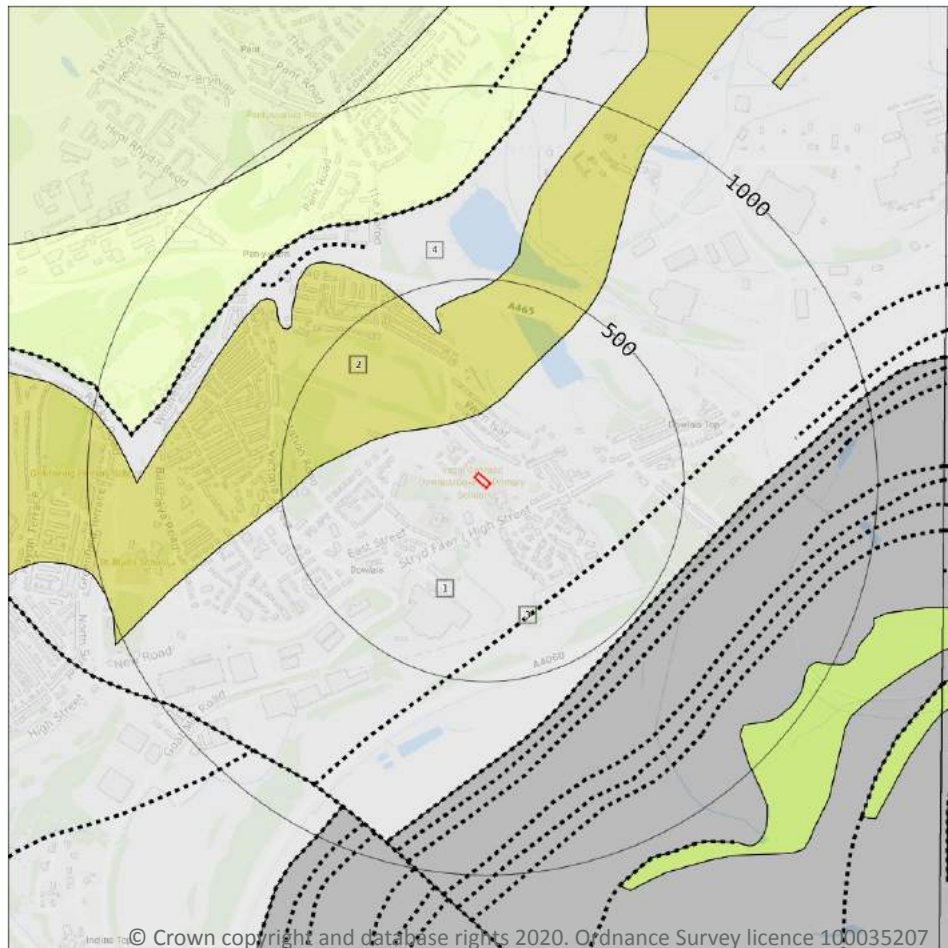
15.7 Landslip permeability (50k)

Records within 50m**0**

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

This data is sourced from the British Geological Survey.

Geology 1:50,000 scale - Bedrock



— Site Outline

Search buffers in metres (m)

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

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

15.8 Bedrock geology (50k)

Records within 500m

3

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

Features are displayed on the Geology 1:50,000 scale - Bedrock map on **page 104**

ID	Location	LEX Code	Description	Rock age
1	On site	SWLCM-MDSS	SOUTH WALES LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
2	142m N	SWLCM-SDST	SOUTH WALES LOWER COAL MEASURES FORMATION - SANDSTONE	WESTPHALIAN

ID	Location	LEX Code	Description	Rock age
4	373m N	SWLCM-MDSS	SOUTH WALES LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN

This data is sourced from the British Geological Survey.

15.9 Bedrock permeability (50k)

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

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

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

This data is sourced from the British Geological Survey.

15.10 Bedrock faults and other linear features (50k)

Records within 500m	1
----------------------------	----------

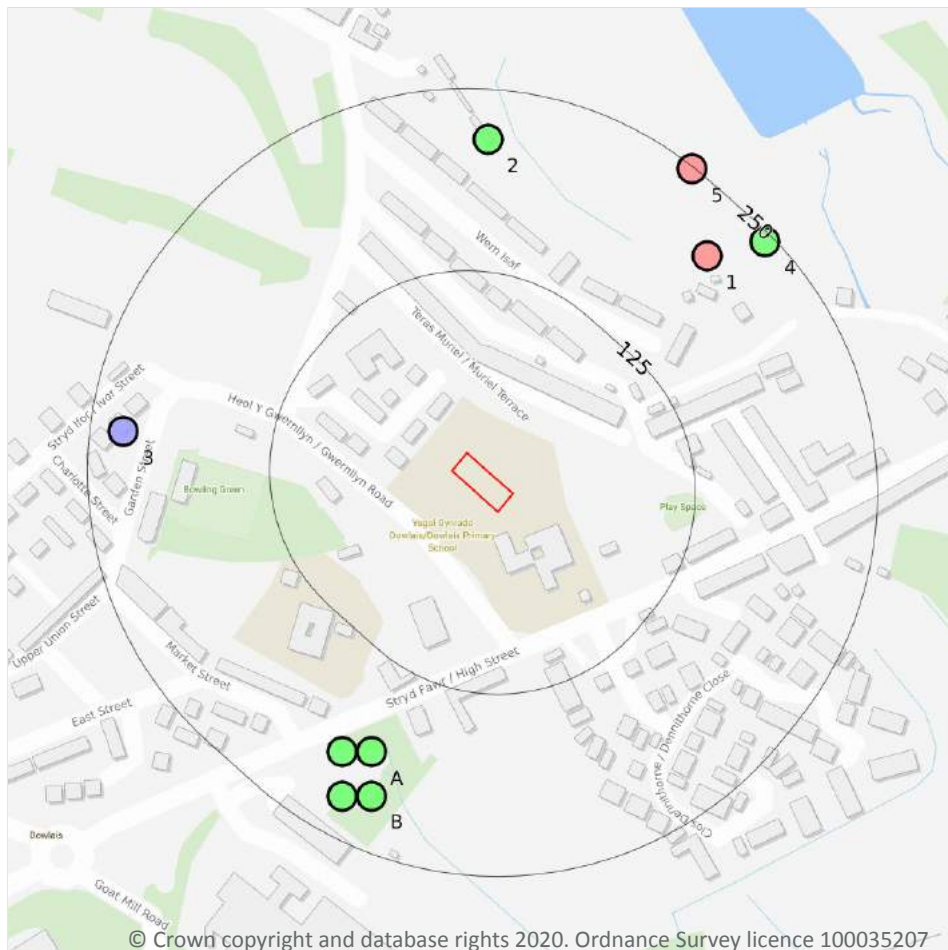
Linear features at the ground or bedrock surface at 1:50,000 scale of six main types; rock, fault, fold axis, mineral vein, alteration area or landform. Features are either observed or inferred, and relate primarily to bedrock.

Features are displayed on the Geology 1:50,000 scale - Bedrock map on **page 104**

ID	Location	Category	Description
3	327m SE	ROCK	Coal seam, inferred

This data is sourced from the British Geological Survey.

16 Boreholes



Site Outline
Search buffers in metres (m)

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

16.1 BGS Boreholes

Records within 250m

9

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.

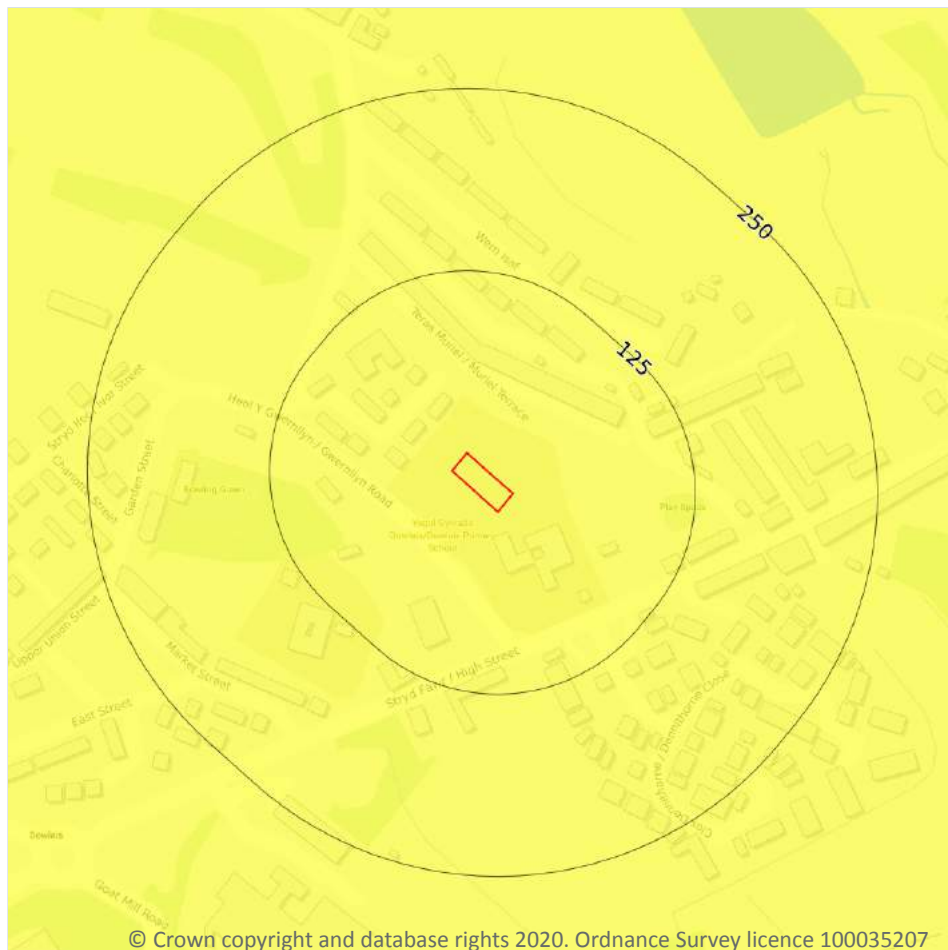
Features are displayed on the Boreholes map on **page 106**

ID	Location	Grid reference	Name	Length	Confidential	Web link
A	186m SW	306950 207790	DOWLAIS BH2	30.0	N	259634
A	196m SW	306930 207790	DOWLAIS BH1	25.4	N	259633
1	210m NE	307180 208130	18696. PROBE HOLE 3	32.0	N	259498

ID	Location	Grid reference	Name	Length	Confidential	Web link
B	213m SW	306950 207760	DOWLAIS BH3	30.0	N	259635
2	215m N	307030 208210	18696. PROBE HOLE 4	23.0	N	259499
B	222m SW	306930 207760	DOWLAIS BH4	30.0	N	259636
3	227m W	306780 208010	IVOR STREET MERTHYR TYDFIL BH1	2.4	N	259637
4	244m NE	307220 208140	18696. PROBE HOLE 10	23.0	N	259505
5	249m NE	307170 208190	18696. PROBE HOLE 1	32.0	N	259496

This data is sourced from the British Geological Survey.

17 Natural ground subsidence - Shrink swell clays



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

17.1 Shrink swell clays

Records within 50m

1

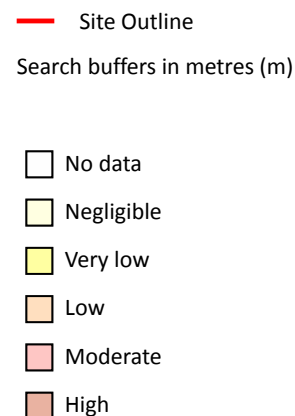
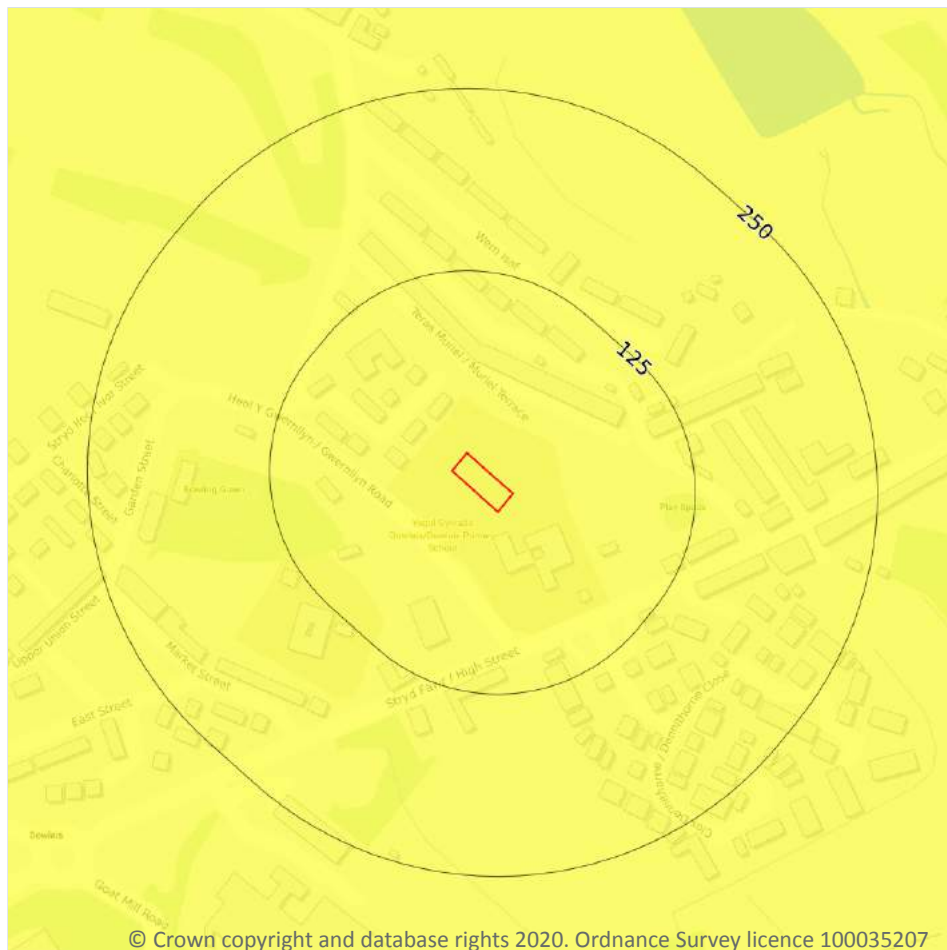
The potential hazard presented by soils that absorb water when wet (making them swell), and lose water as they dry (making them shrink). This shrink-swell behaviour is controlled by the type and amount of clay in the soil, and by seasonal changes in the soil moisture content (related to rainfall and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

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

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

This data is sourced from the British Geological Survey.

Natural ground subsidence - Running sands



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.

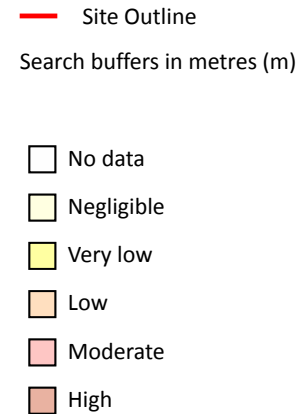
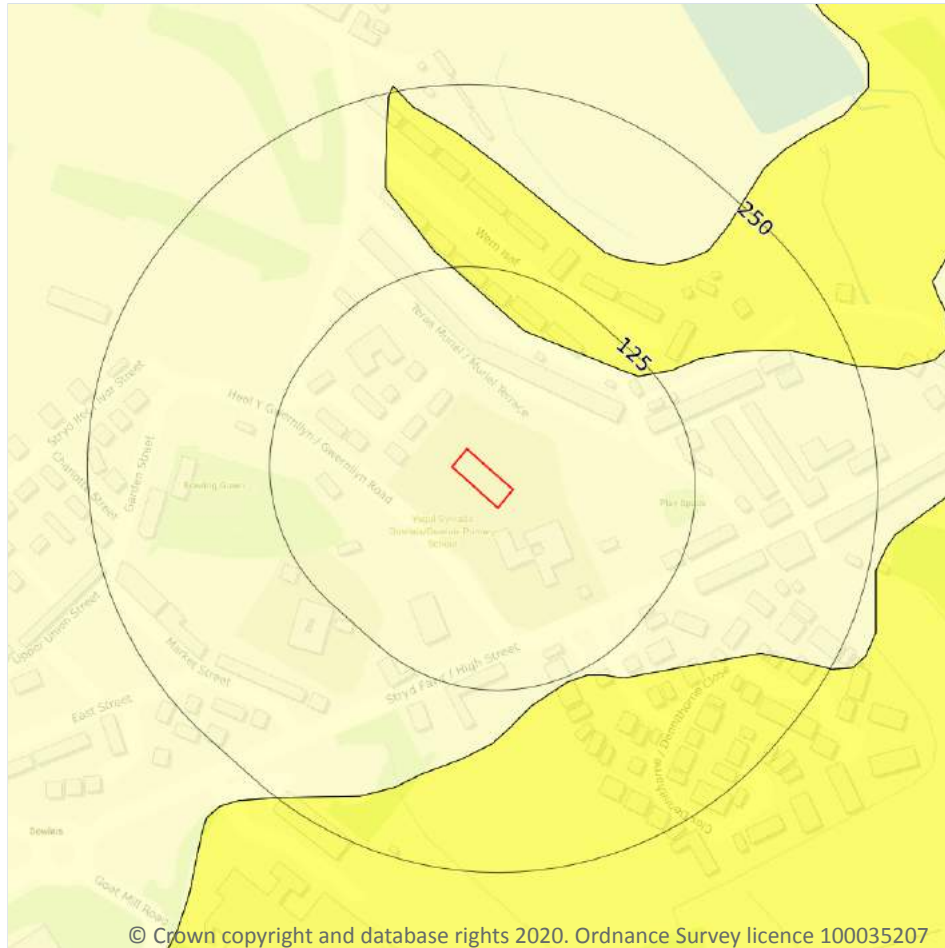
Features are displayed on the Natural ground subsidence - Running sands map on **page 109**

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



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.

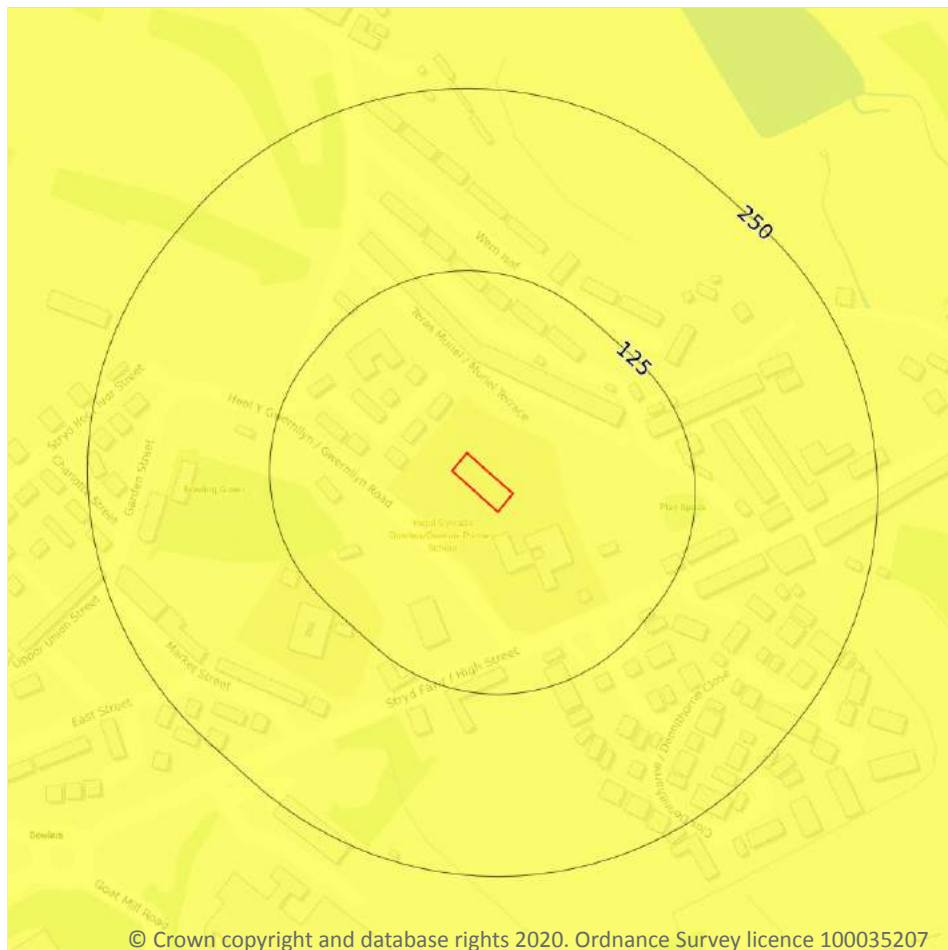
Features are displayed on the Natural ground subsidence - Compressible deposits map on **page 110**

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

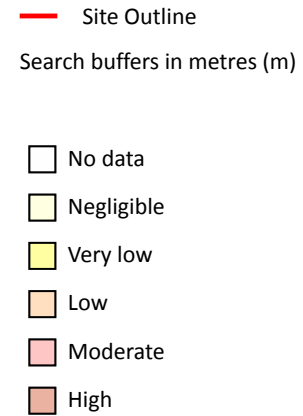
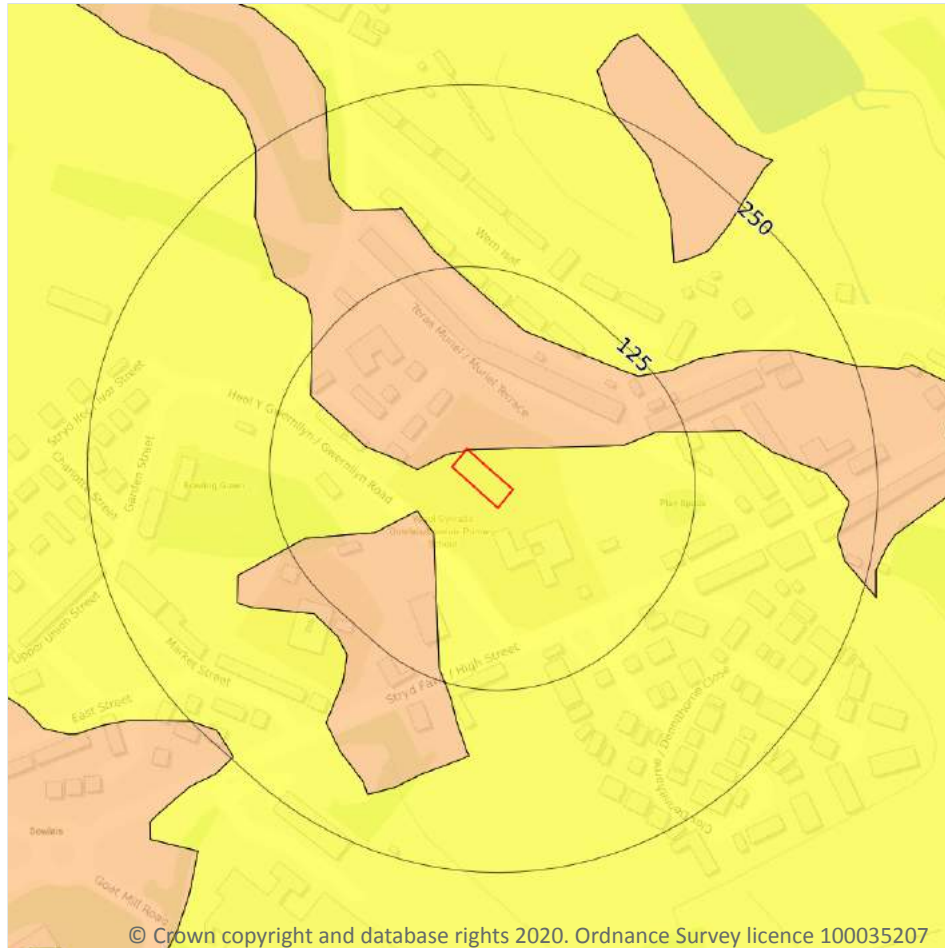
The potential hazard presented by natural deposits that could collapse when a load (such as a building) is placed on them or they become saturated with water.

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



17.5 Landslides

Records within 50m

3

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**

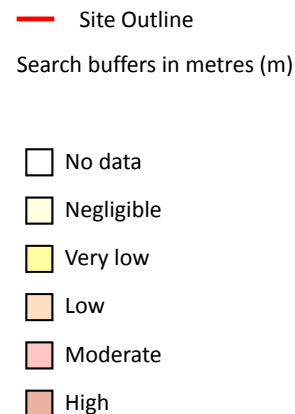
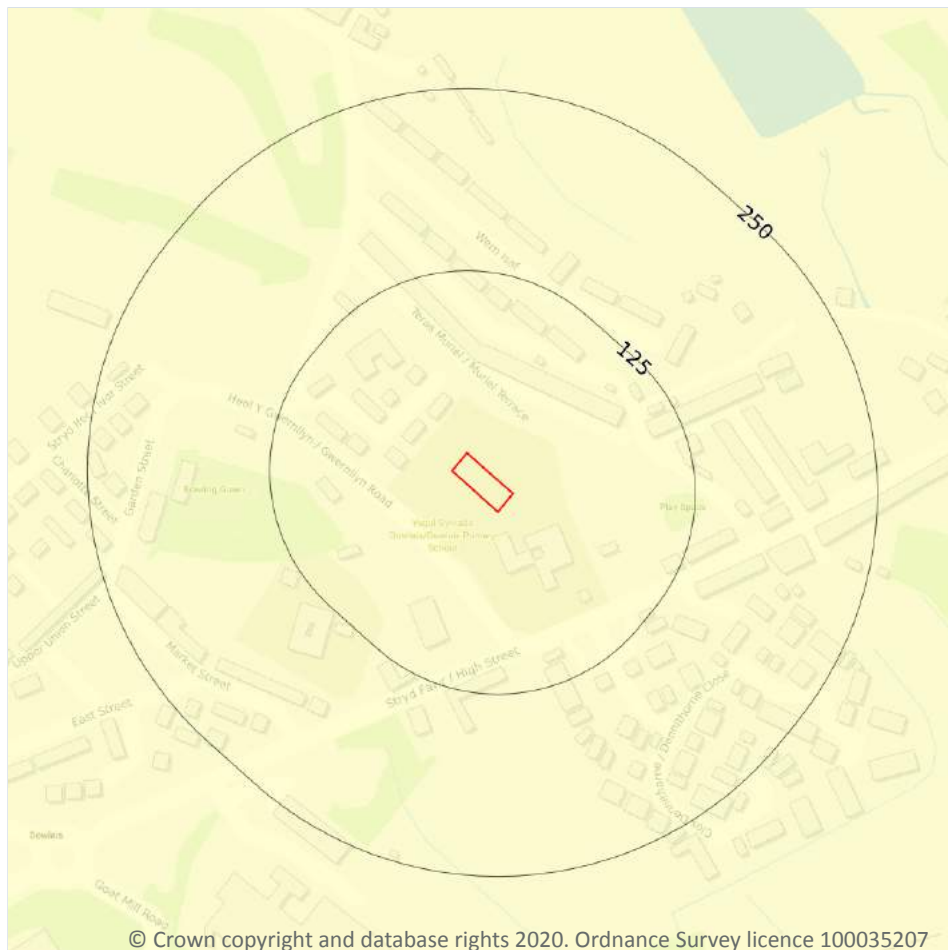
Location	Hazard rating	Details
On site	Very low	Slope instability problems are not likely to occur but consideration to potential problems of adjacent areas impacting on the site should always be considered.

Location	Hazard rating	Details
On site	Low	Slope instability problems may be present or anticipated. Site investigation should consider specifically the slope stability of the site.
39m SW	Low	Slope instability problems may be present or anticipated. Site investigation should consider specifically the slope stability of the site.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Ground dissolution of soluble rocks



17.6 Ground dissolution of soluble rocks

Records within 50m

1

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

Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on **page 114**

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 Peter Brett Associates (PBA).

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

39

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 116**

ID	Location	Land Use	Year of mapping	Mapping scale
A	105m N	Refuse Heap	1922	1:10560
A	105m N	Refuse Heap	1922	1:10560
B	171m SE	Pond	1922	1:10560
C	171m NE	Unspecified Heap	1922	1:10560
C	171m NE	Unspecified Heap	1922	1:10560
B	175m SE	Pond	1875	1:10560
B	175m SE	Pond	1975	1:10000
B	175m SE	Pond	1982	1:10000
B	175m SE	Pond	1965	1:10560
B	177m SE	Pond	1948	1:10560
B	177m SE	Ponds	1903	1:10560
B	180m SE	Pond	1921	1:10560
D	192m E	Burial Ground	1875	1:10560
E	193m NE	Refuse Heaps	1875	1:10560
F	193m N	Cuttings	1903	1:10560
G	195m SE	Unspecified Ground Workings	1965	1:10560
H	196m N	Cuttings	1875	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
H	197m N	Cuttings	1901	1:10560
E	201m NE	Unspecified Disused Tip	1975	1:10000
E	201m NE	Unspecified Disused Tip	1982	1:10000
E	202m NE	Unspecified Disused Tip	1992	1:10000
2	204m NW	Unspecified Pit	1992	1:10000
D	214m NE	Unspecified Heap	1982	1:10000
E	217m NE	Refuse Heap	1901	1:10560
3	224m S	Brick Kilns	1875	1:10560
F	227m N	Cuttings	1965	1:10560
I	227m N	Cuttings	1921	1:10560
H	228m N	Cuttings	1948	1:10560
F	228m N	Cuttings	1922	1:10560
J	235m NW	Unspecified Heaps	1965	1:10560
K	236m S	Unspecified Ground Workings	1901	1:10560
G	239m SE	Unspecified Pit	1922	1:10560
G	239m SE	Unspecified Pit	1922	1:10560
B	240m SE	Unspecified Heap	1901	1:10560
B	245m SE	Unspecified Heap	1948	1:10560
B	245m SE	Unspecified Heap	1922	1:10560
B	245m SE	Unspecified Heap	1922	1:10560
K	247m S	Unspecified Heap	1903	1:10560
G	247m SE	Unspecified Ground Workings	1901	1:10560

This data is sourced from Ordnance Survey/Groundsure.

18.4 Underground workings

Records within 1000m

29

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

Features are displayed on the Mining, ground workings and natural cavities map on **page 116**



ID	Location	Land Use	Year of mapping	Mapping scale
7	376m S	Air Shaft	1875	1:10560
8	376m S	Air Shaft	1875	1:10560
X	535m SE	Fire Clay and Coal Drift	1948	1:10560
Z	543m SW	Unspecified Shaft	1875	1:10560
X	550m SE	Unspecified Drift	1901	1:10560
X	559m SE	Unspecified Drift	1903	1:10560
15	606m SW	Air Shaft	1875	1:10560
AN	624m E	Ironstone Shaft	1875	1:10560
-	629m E	Unspecified Old Shaft	1903	1:10560
-	630m E	Unspecified Old Shaft	1901	1:10560
-	642m E	Unspecified Old Shaft	1948	1:10560
-	667m S	Ironstone Pits	1948	1:10560
AQ	693m SE	Unspecified Old Shaft	1948	1:10560
-	726m S	Unspecified Old Shaft	1948	1:10560
-	726m S	Unspecified Old Shaft	1903	1:10560
-	731m S	Unspecified Old Shaft	1901	1:10560
X	737m SE	Unspecified Old Drift	1948	1:10560
-	738m S	Unspecified Disused Shaft	1965	1:10560
X	796m SE	Air Shaft	1948	1:10560
-	817m E	Old Ironstone Shaft	1948	1:10560
-	827m E	Air Shaft	1875	1:10560
-	828m E	Air Shaft	1903	1:10560
-	829m E	Air Shaft	1901	1:10560
-	872m SW	Old Ironstone Levels	1901	1:10560
-	888m S	Ironstone Level	1875	1:10560
-	890m S	Unspecified Drift	1903	1:10560
-	894m S	Unspecified Drift	1901	1:10560
-	946m SE	Old Ironstone Levels	1901	1:10560

ID	Location	Land Use	Year of mapping	Mapping scale
-	994m SE	Air Shaft	1875	1:10560

This data is sourced from Ordnance Survey/Groundsure.

18.5 Historical Mineral Planning Areas

Records within 500m	0
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Boundaries of mineral planning permissions for England and Wales. This data was collated between the 1940s (and retrospectively to the 1930s) and the mid 1980s. The data includes permitted, withdrawn and refused permissions.

This data is sourced from the British Geological Survey.

18.6 Non-coal mining

Records within 1000m	2
-----------------------------	----------

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

Features are displayed on the Mining, ground workings and natural cavities map on **page 116**

ID	Location	Name	Commodity	Class	Likelihood
1	On site	Not available	Iron Ore (Bedded)	B	Localised small scale underground mining may have occurred. Potential for difficult ground conditions are unlikely or localised and are at a level where they need not be considered
19	701m N	Not available	Vein Mineral	A	Sporadic underground mining of restricted extent may have occurred. Potential for difficult ground conditions are unlikely and localised and are at a level where they need not be considered

This data is sourced from the British Geological Survey.

18.7 Mining cavities

Records within 1000m	0
-----------------------------	----------

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



This data is sourced from Peter Brett Associates (PBA).

18.8 JPB mining areas

Records on site	0
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Areas which could be affected by former coal 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
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Areas which could be affected by past, current or future coal mining.

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

This data is sourced from the Coal Authority.

18.10 Brine areas

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

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

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

18.11 Gypsum areas

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

This data is sourced from British Gypsum.



18.12 Tin mining

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

This data is sourced from Mining Searches UK.

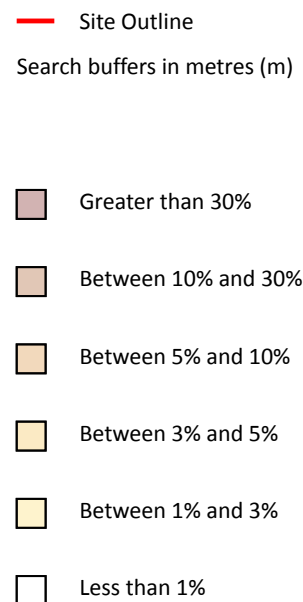
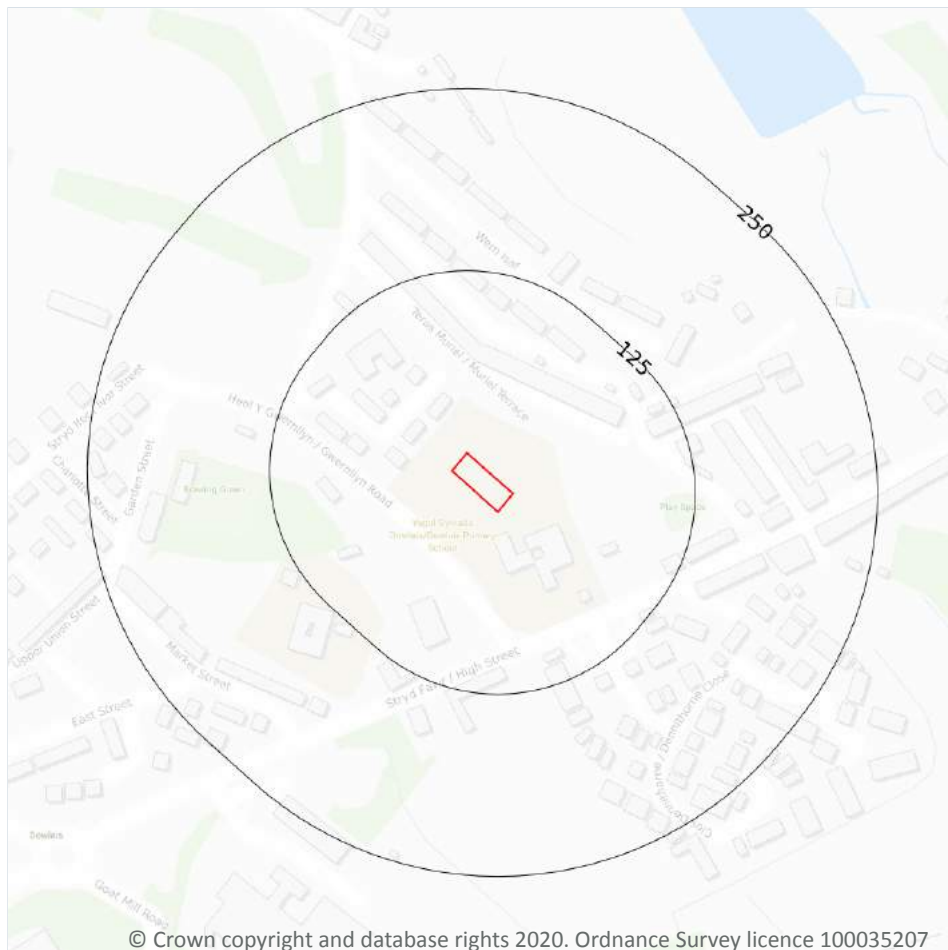
18.13 Clay mining

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

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 123**

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

6

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	60 - 90 mg/kg	15 - 30 mg/kg
5m E	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
5m SW	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
5m 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
15m NW	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
15m W	15 - 25 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

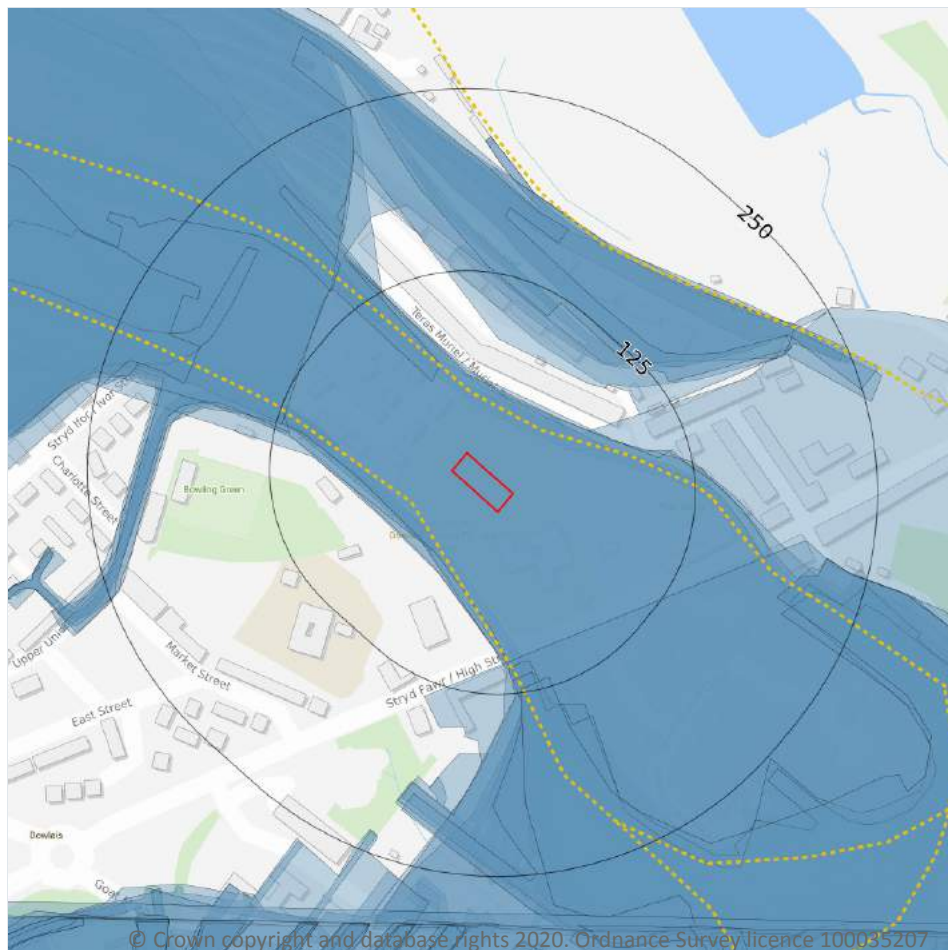
0

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

31

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

Features are displayed on the Railway infrastructure and projects map on **page 126**

Location	Land Use	Year of mapping	Mapping scale
On site	Railway Sidings	1875	10560
On site	Railway Sidings	1948	10560
On site	Railway Sidings	1903	10560
On site	Railway Sidings	1982	10000
On site	Railway Sidings	1965	10560
32m NE	Railway Sidings	1966	2500
41m SW	Railway Sidings	1920	2500
41m SW	Railway Sidings	1899	2500
44m SW	Railway Sidings	1988	2500
55m NW	Railway Sidings	1922	10560
80m NE	Railway Sidings	1901	10560
80m W	Railway Sidings	1956	2500
81m W	Railway Sidings	1956	1250
82m W	Railway Sidings	1967	1250
98m S	Railway Sidings	1901	10560
104m S	Railway Sidings	1922	10560
105m S	Railway Sidings	1920	2500



Location	Land Use	Year of mapping	Mapping scale
105m S	Railway Sidings	1899	2500
109m NE	Railway Sidings	1921	10560
112m S	Railway Sidings	1921	10560
114m S	Railway Sidings	1961	2500
116m S	Railway Sidings	1955	1250
118m S	Railway Sidings	1975	10000
121m S	Railway Sidings	1875	2500
126m NW	Railway Sidings	1875	2500
192m NW	Railway Sidings	1975	10000
196m W	Mineral Railway Sidings	1977	1250
218m E	Mineral Railway Sidings	1973	1250
221m NW	Mineral Railway Sidings	1977	1250
235m S	Railway Sidings	1920	2500
235m S	Railway Sidings	1922	10560

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

12

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

Features are displayed on the Railway infrastructure and projects map on **page 126**



Location	Description
35m SW	Razed
35m SW	Dismantled
38m NE	Razed
38m NE	Dismantled
136m E	Razed
136m E	Dismantled
171m NE	Razed
171m NE	Abandoned
215m E	Razed
215m E	Abandoned
227m S	Razed
227m S	Dismantled

This data is sourced from OpenStreetMap.

21.7 Railways

Records within 250m

0

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

This data is sourced from Ordnance Survey and OpenStreetMap.

21.8 Crossrail 1

Records within 500m

0

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

This data is sourced from publicly available information by Groundsure.



21.9 Crossrail 2

Records within 500m

0

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

This data is sourced from publicly available information by Groundsure.

21.10 HS2

Records within 500m

0

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

This data is sourced from HS2 Ltd.



Data providers

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

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