Groundsure
LOCATION INTELLIGENCE

Enviro+Geo Insight

Land behind 22 to 34, GOLDNEY AVENUE, WARMLEY, BS30 5JG

Order Details

Date: 27/11/2023

Your ref: OE-1702-1058-LS-272

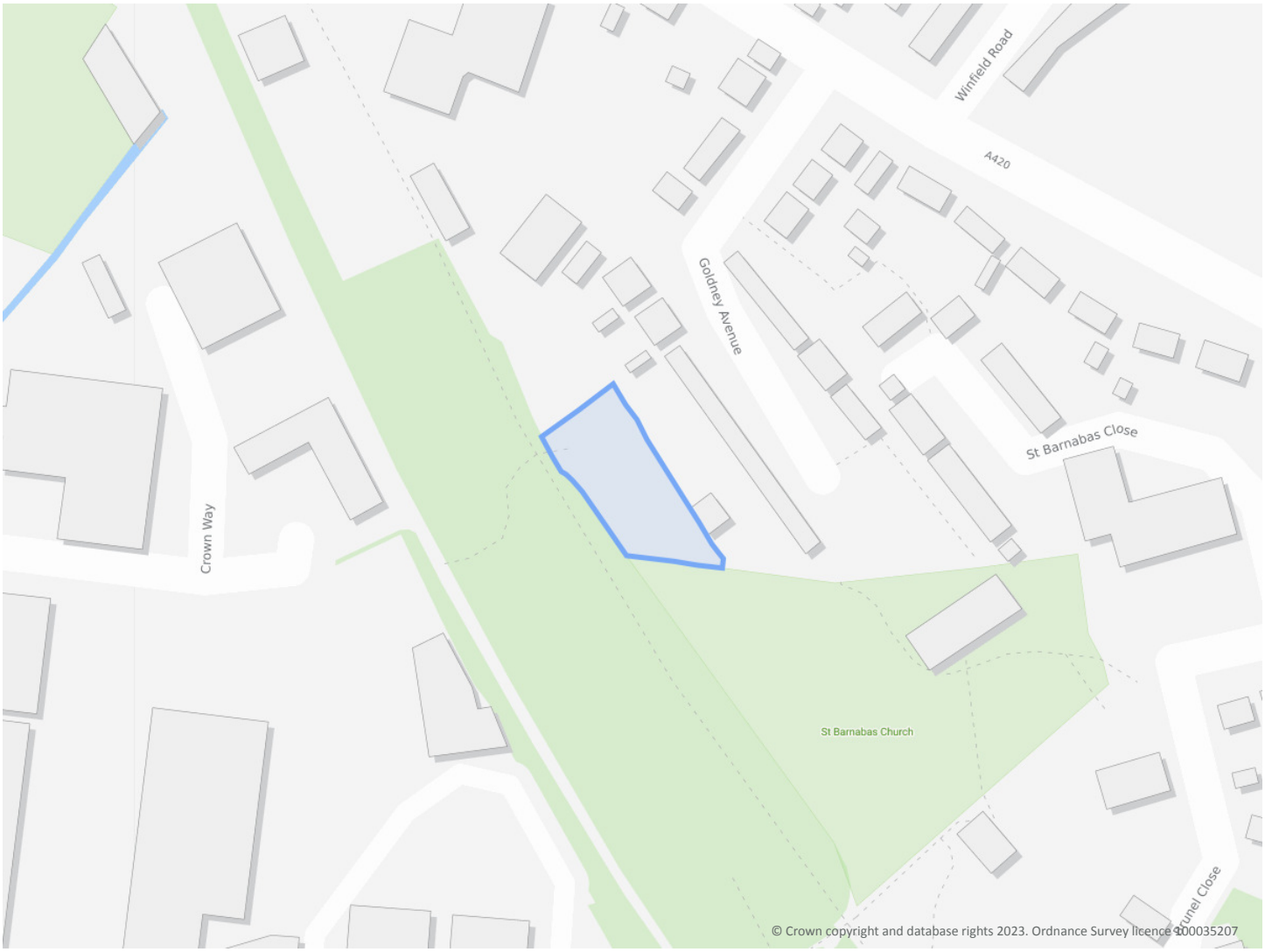
Our Ref: GS-PDW-KKI-WVJ-9R2

Site Details

Location: 367296 173274

Area: 0.17 ha

Authority: South Gloucestershire Council ↗



Contact us with any questions at:
info@groundsure.com ↗
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Certified B Corporation

Summary of findings

Page	Section	Past land use >	On site	0-50m	50-250m	250-500m	500-2000m
15 >	1.1 >	Historical industrial land uses >	11	11	64	110	-
23 >	1.2 >	Historical tanks >	0	0	15	29	-
25 >	1.3 >	Historical energy features >	0	0	5	12	-
26	1.4	Historical petrol stations	0	0	0	0	-
26	1.5	Historical garages	0	0	0	0	-
26	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
27 >	2.1 >	Historical industrial land uses >	15	17	90	148	-
37 >	2.2 >	Historical tanks >	0	0	19	39	-
40 >	2.3 >	Historical energy features >	0	0	10	28	-
41	2.4	Historical petrol stations	0	0	0	0	-
41	2.5	Historical garages	0	0	0	0	-
Page	Section	Waste and landfill >	On site	0-50m	50-250m	250-500m	500-2000m
42	3.1	Active or recent landfill	0	0	0	0	-
42	3.2	Historical landfill (BGS records)	0	0	0	0	-
43 >	3.3 >	Historical landfill (LA/mapping records) >	0	0	1	0	-
43 >	3.4 >	Historical landfill (EA/NRW records) >	0	0	0	1	-
43 >	3.5 >	Historical waste sites >	0	0	2	4	-
45 >	3.6 >	Licensed waste sites >	0	0	9	4	-
49 >	3.7 >	Waste exemptions >	0	0	21	7	-
Page	Section	Current industrial land use >	On site	0-50m	50-250m	250-500m	500-2000m
52 >	4.1 >	Recent industrial land uses >	0	0	28	-	-
55	4.2	Current or recent petrol stations	0	0	0	0	-
55	4.3	Electricity cables	0	0	0	0	-
55	4.4	Gas pipelines	0	0	0	0	-
55	4.5	Sites determined as Contaminated Land	0	0	0	0	-

55	4.6	Control of Major Accident Hazards (COMAH)	0	0	0	0	-
56	4.7	Regulated explosive sites	0	0	0	0	-
56	4.8	Hazardous substance storage/usage	0	0	0	0	-
56	4.9	Historical licensed industrial activities (IPC)	0	0	0	0	-
56	4.10	Licensed industrial activities (Part A(1))	0	0	0	0	-
56 >	**4.11 >**	**Licensed pollutant release (Part A(2)/B) >**	0	0	1	4	-
57	4.12	Radioactive Substance Authorisations	0	0	0	0	-
57 >	**4.13 >**	**Licensed Discharges to controlled waters >**	0	0	0	8	-
59	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
59	4.15	Pollutant release to public sewer	0	0	0	0	-
59	4.16	List 1 Dangerous Substances	0	0	0	0	-
59	4.17	List 2 Dangerous Substances	0	0	0	0	-
60 >	**4.18 >**	**Pollution Incidents (EA/NRW) >**	0	0	0	1	-
60	4.19	Pollution inventory substances	0	0	0	0	-
60	4.20	Pollution inventory waste transfers	0	0	0	0	-
60	4.21	Pollution inventory radioactive waste	0	0	0	0	-

Page	Section	**Hydrogeology >**	On site	0-50m	50-250m	250-500m	500-2000m
61 >	**5.1 >**	**Superficial aquifer >**	Identified (within 500m)				
62 >	**5.2 >**	**Bedrock aquifer >**	Identified (within 500m)				
63 >	**5.3 >**	**Groundwater vulnerability >**	Identified (within 50m)				
64	5.4	Groundwater vulnerability- soluble rock risk	None (within 0m)				
64	5.5	Groundwater vulnerability- local information	None (within 0m)				
65 >	**5.6 >**	**Groundwater abstractions >**	0	0	0	0	3
66	5.7	Surface water abstractions	0	0	0	0	0
67	5.8	Potable abstractions	0	0	0	0	0
67	5.9	Source Protection Zones	0	0	0	0	-
67	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-

Page	Section	**Hydrology >**	On site	0-50m	50-250m	250-500m	500-2000m
68 >	**6.1 >**	**Water Network (OS MasterMap) >**	0	0	10	-	-

69 >	6.2 >	Surface water features >	0	0	4	-	-
70 >	6.3 >	WFD Surface water body catchments >	1	-	-	-	-
70 >	6.4 >	WFD Surface water bodies >	0	0	1	-	-
70 >	6.5 >	WFD Groundwater bodies >	1	-	-	-	-
Page	Section	**River and coastal flooding >**	On site	0-50m	50-250m	250-500m	500-2000m
72	7.1	Risk of flooding from rivers and the sea	None (within 50m)				
73 >	7.2 >	Historical Flood Events >	0	1	7	-	-
73	7.3	Flood Defences	0	0	0	-	-
74	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
74	7.5	Flood Storage Areas	0	0	0	-	-
75	7.6	Flood Zone 2	None (within 50m)				
75	7.7	Flood Zone 3	None (within 50m)				
Page	Section	**Surface water flooding >**					
76 >	8.1 >	Surface water flooding >	1 in 30 year, Greater than 1.0m (within 50m)				
Page	Section	**Groundwater flooding >**					
78 >	9.1 >	Groundwater flooding >	Negligible (within 50m)				
Page	Section	**Environmental designations >**	On site	0-50m	50-250m	250-500m	500-2000m
79	10.1	Sites of Special Scientific Interest (SSSI)	0	0	0	0	0
80	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
80	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
80	10.4	Special Protection Areas (SPA)	0	0	0	0	0
80	10.5	National Nature Reserves (NNR)	0	0	0	0	0
81	10.6	Local Nature Reserves (LNR)	0	0	0	0	0
81 >	10.7 >	Designated Ancient Woodland >	0	0	0	0	2
81	10.8	Biosphere Reserves	0	0	0	0	0
81	10.9	Forest Parks	0	0	0	0	0
82	10.10	Marine Conservation Zones	0	0	0	0	0
82 >	10.11 >	Green Belt >	0	0	1	0	0
82	10.12	Proposed Ramsar sites	0	0	0	0	0

82	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
83	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
83	10.15	Nitrate Sensitive Areas	0	0	0	0	0
83	10.16	Nitrate Vulnerable Zones	0	0	0	0	0
84 >	**10.17 >**	**SSSI Impact Risk Zones >**	1	-	-	-	-
85	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
86	11.1	World Heritage Sites	0	0	0	-	-
87	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
87	11.3	National Parks	0	0	0	-	-
87 >	**11.4 >**	**Listed Buildings >**	0	0	1	-	-
88	11.5	Conservation Areas	0	0	0	-	-
88	11.6	Scheduled Ancient Monuments	0	0	0	-	-
88	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	**Agricultural designations >**	On site	0-50m	50-250m	250-500m	500-2000m
89 >	**12.1 >**	**Agricultural Land Classification >**	Grade 3 (within 250m)				
90	12.2	Open Access Land	0	0	0	-	-
90	12.3	Tree Felling Licences	0	0	0	-	-
90	12.4	Environmental Stewardship Schemes	0	0	0	-	-
90 >	**12.5 >**	**Countryside Stewardship Schemes >**	0	0	1	-	-
Page	Section	**Habitat designations >**	On site	0-50m	50-250m	250-500m	500-2000m
92 >	**13.1 >**	**Priority Habitat Inventory >**	1	1	4	-	-
93	13.2	Habitat Networks	0	0	0	-	-
93	13.3	Open Mosaic Habitat	0	0	0	-	-
93	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
94 >	**14.1 >**	**10k Availability >**	Identified (within 500m)				
95 >	**14.2 >**	**Artificial and made ground (10k) >**	2	2	2	5	-
97 >	**14.3 >**	**Superficial geology (10k) >**	0	0	1	0	-

98	14.4	Landslip (10k)	0	0	0	0	-
99 >	14.5 >	Bedrock geology (10k) >	1	0	1	5	-
100 >	14.6 >	Bedrock faults and other linear features (10k) >	0	0	0	10	-
Page	Section	Geology 1:50,000 scale >	On site	0-50m	50-250m	250-500m	500-2000m
101 >	15.1 >	50k Availability >	Identified (within 500m)				
102 >	15.2 >	Artificial and made ground (50k) >	0	0	1	2	-
103	15.3	Artificial ground permeability (50k)	0	0	-	-	-
104 >	15.4 >	Superficial geology (50k) >	0	0	1	0	-
105	15.5	Superficial permeability (50k)	None (within 50m)				
105	15.6	Landslip (50k)	0	0	0	0	-
105	15.7	Landslip permeability (50k)	None (within 50m)				
106 >	15.8 >	Bedrock geology (50k) >	1	0	1	3	-
107 >	15.9 >	Bedrock permeability (50k) >	Identified (within 50m)				
107 >	15.10 >	Bedrock faults and other linear features (50k) >	0	0	0	4	-
Page	Section	Boreholes >	On site	0-50m	50-250m	250-500m	500-2000m
108 >	16.1 >	BGS Boreholes >	0	0	3	-	-
Page	Section	Natural ground subsidence >					
110 >	17.1 >	Shrink swell clays >	Very low (within 50m)				
111 >	17.2 >	Running sands >	Negligible (within 50m)				
112 >	17.3 >	Compressible deposits >	Negligible (within 50m)				
113 >	17.4 >	Collapsible deposits >	Very low (within 50m)				
114 >	17.5 >	Landslides >	Very low (within 50m)				
115 >	17.6 >	Ground dissolution of soluble rocks >	Negligible (within 50m)				
Page	Section	Mining and ground workings >	On site	0-50m	50-250m	250-500m	500-2000m
117 >	18.1 >	BritPits >	0	0	5	4	-
119 >	18.2 >	Surface ground workings >	14	15	71	-	-
123 >	18.3 >	Underground workings >	0	0	7	1	24
125	18.4	Underground mining extents	0	0	0	0	-
125 >	18.5 >	Historical Mineral Planning Areas >	0	0	1	1	-

125	18.6	Non-coal mining	0	0	0	0	0
125	18.7	JPB mining areas	None (within 0m)				
126	18.8	The Coal Authority non-coal mining	0	0	0	0	-
126 >	**18.9 >**	**Researched mining >**	1	1	9	9	-
127	18.10	Mining record office plans	0	0	0	0	-
127	18.11	BGS mine plans	0	0	0	0	-
127 >	**18.12 >**	**Coal mining >**	Identified (within 0m)				
128	18.13	Brine areas	None (within 0m)				
128	18.14	Gypsum areas	None (within 0m)				
128	18.15	Tin mining	None (within 0m)				
128	18.16	Clay mining	None (within 0m)				

Page	Section	Ground cavities and sinkholes	On site	0-50m	50-250m	250-500m	500-2000m
129	19.1	Natural cavities	0	0	0	0	-
129	19.2	Mining cavities	0	0	0	0	0
129	19.3	Reported recent incidents	0	0	0	0	-
129	19.4	Historical incidents	0	0	0	0	-
130	19.5	National karst database	0	0	0	0	-

Page	Section	**Radon >**
131 >	**20.1 >**	**Radon >** Less than 1% (within 0m)

Page	Section	**Soil chemistry >**	On site	0-50m	50-250m	250-500m	500-2000m
133 >	**21.1 >**	**BGS Estimated Background Soil Chemistry >**	1	0	-	-	-
133	21.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
133	21.3	BGS Measured Urban Soil Chemistry	0	0	-	-	-

Page	Section	**Railway infrastructure and projects >**	On site	0-50m	50-250m	250-500m	500-2000m
134	22.1	Underground railways (London)	0	0	0	-	-
134	22.2	Underground railways (Non-London)	0	0	0	-	-
135	22.3	Railway tunnels	0	0	0	-	-
135 >	**22.4 >**	**Historical railway and tunnel features >**	3	3	2	-	-
135	22.5	Royal Mail tunnels	0	0	0	-	-

136 >	**22.6 >**	**Historical railways >**	0	3	3	-	-
136	22.7	Railways	0	0	0	-	-
136	22.8	Crossrail 1	0	0	0	0	-
136	22.9	Crossrail 2	0	0	0	0	-
137	22.10	HS2	0	0	0	0	-

Recent aerial photograph

Capture Date: 06/05/2020

Site Area: 0.17ha

Recent site history - 2017 aerial photograph

Capture Date: 14/06/2017

Site Area: 0.17ha

Recent site history - 2009 aerial photograph

Capture Date: 01/06/2009

Site Area: 0.17ha

Recent site history - 2000 aerial photograph

Capture Date: 19/06/2000

Site Area: 0.17ha

Recent site history - 1999 aerial photograph

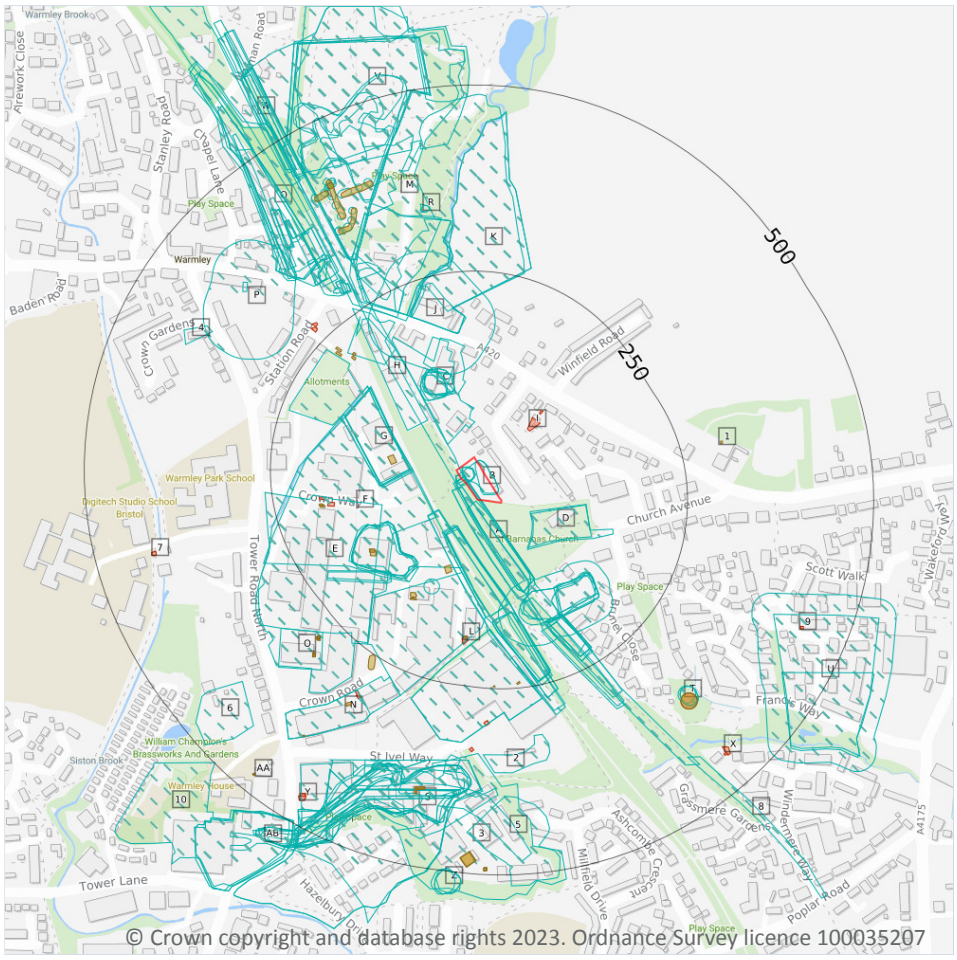
Capture Date: 27/07/1999

Site Area: 0.17ha

OS MasterMap site plan

Site Area: 0.17ha

1 Past land use



1.1 Historical industrial land uses

Records within 500m	196

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

Features are displayed on the Past land use map on **page 15 >**

ID	Location	Land use	Dates present	Group ID
A	**On site**	**Cuttings**	**1953**	**1219220**

ID	Location	Land use	Dates present	Group ID
A	**On site**	**Cuttings**	**1921 - 1938**	**1193402**
A	**On site**	**Cuttings**	**1912 - 1938**	**1194114**
A	**On site**	**Cuttings**	**1902**	**1200701**
B	**On site**	**Unspecified Ground Workings**	**1881**	**1161135**
B	**On site**	**Unspecified Heaps**	**1887**	**1193230**
B	**On site**	**Old Tramway Sidings**	**1912**	**1206304**
B	**On site**	**Unspecified Heap**	**1938**	**1239189**
B	**On site**	**Unspecified Heap**	**1912**	**1264521**
B	**On site**	**Unspecified Heap**	**1938**	**1267423**
B	**On site**	**Unspecified Heap**	**1881**	**1268606**
A	3m S	Cuttings	1969 - 1991	1222108
A	7m S	Cuttings	1887	1222837
A	8m W	Cuttings	1881	1241469
C	35m NW	Unspecified Works	1983 - 1991	1208661
D	41m SE	Grave Yard	1887	1264698
D	42m SE	Grave Yard	1881	1219820
A	45m SW	Cuttings	1938	1253140
A	45m SW	Cuttings	1902	1212321
A	45m SW	Cuttings	1921 - 1969	1230646
A	46m SW	Cuttings	1953 - 1991	1194691
A	47m SW	Cuttings	1912	1269703
A	50m SW	Cuttings	1881	1206218
A	51m SW	Cuttings	1887	1221835
E	52m W	Unspecified Commercial/Industrial	1991	1159188
F	54m W	Ochre and Oxide Works	1921 - 1938	1268826
G	58m W	Unspecified Works	1912	1191147
G	59m W	Ochre and Oxide Works	1938	1201849
G	63m W	Ochre and Oxide Works	1953 - 1969	1194777

ID	Location	Land use	Dates present	Group ID
G	63m W	Unspecified Works	1969 - 1983	1259949
H	77m NW	Unspecified Depot	1983	1171377
C	90m N	Old Coal Pit	1912	1195925
C	90m N	Old Coal Pit	1887	1222432
C	91m N	Old Coal Pit	1938	1224341
C	91m N	Old Coal Pit	1881	1236789
C	93m N	Old Clay Pit	1902	1207997
C	93m N	Old Clay Pit	1921 - 1938	1262261
C	94m N	Unspecified Heap	1953	1163324
A	100m S	Bakery	1969	1165828
C	104m N	Unspecified Works	1969	1204346
A	109m SE	Unspecified Old Quarry	1881	1208858
E	110m W	Unspecified Works	1969 - 1983	1191354
E	110m SW	Clay Pit	1902	1243004
E	110m SW	Clay Pit	1938	1257774
E	110m SW	Old Clay Pit	1921	1263336
E	111m SW	Old Clay Pit	1938	1194875
E	113m SW	Old Clay Pit	1912	1271324
E	115m SW	Old Clay Pit	1953	1204104
J	115m N	Disused Colliery	1921	1201867
A	122m SW	Old Clay Pit	1902	1157260
A	126m SE	Unspecified Old Quarry	1921 - 1938	1264063
A	126m SE	Unspecified Old Quarry	1887 - 1902	1271439
A	133m S	Unspecified Pit	1953 - 1991	1207136
A	134m SE	Unspecified Old Quarry	1953	1233915
A	134m SE	Old Tramway Sidings	1881	1231655
A	135m SE	Unspecified Pit	1983 - 1991	1262673
A	136m S	Unspecified Pit	1938	1204823

ID	Location	Land use	Dates present	Group ID
A	137m SE	Unspecified Old Quarry	1938	1258809
A	140m SE	Unspecified Old Quarry	1912	1263467
A	147m S	Cuttings	1983 - 1991	1195279
A	147m S	Cuttings	1953	1262742
A	148m S	Cuttings	1912	1248862
E	152m SW	Clay Pit	1887	1203304
E	152m SW	Clay Pit	1881	1228999
J	167m N	Disused Colliery	1912	1214302
K	168m N	Disused Colliery	1938	1231349
K	168m N	Disused Colliery	1902	1240222
A	169m SE	Cuttings	1953	1218544
A	169m SE	Cuttings	1969 - 1991	1264317
A	169m SE	Cuttings	1887	1260303
A	171m S	Industrial Estate	1991	1164514
A	171m S	Unspecified Depot	1983	1171373
A	171m SE	Cuttings	1902	1236244
A	171m SE	Cuttings	1938	1253719
A	171m SE	Cuttings	1921	1259327
H	172m NW	Disused Colliery	1902	1214584
A	173m SE	Cuttings	1938	1226252
A	174m SE	Cuttings	1912	1212846
A	177m SE	Cuttings	1881	1252256
M	199m N	Colliery	1887	1190727
M	207m N	Disused Colliery	1938	1193964
M	211m NW	Refuse Heap	1969	1178411
M	211m NW	Unspecified Works	1969	1179036
M	214m NW	Colliery	1881	1193937
M	220m NW	Disused Colliery	1953	1241120

ID	Location	Land use	Dates present	Group ID
M	242m NW	Coal Pit	1881	1165209
N	266m SW	Unspecified Depot	1969	1200713
M	272m NW	Coal Pit	1887	1261885
O	274m SW	Unspecified Depot	1969	1171380
M	277m NW	Railway Station	1938 - 1953	1261506
M	279m NW	Railway Station	1921 - 1938	1190666
M	279m NW	Railway Station	1902	1259809
M	279m NW	Railway Station	1887	1204805
M	279m NW	Unspecified Heap	1953	1163330
M	281m NW	Railway Building	1969	1172746
P	285m NW	Smithy	1881	1239408
M	302m NW	Railway Station	1912	1241904
N	302m SW	Unspecified Commercial/Industrial	1983	1159187
M	307m NW	Brick and Tile Works	1912	1250071
M	309m NW	Brick and Tile Works	1921 - 1938	1192550
Q	309m NW	Railway Sidings	1969	1194242
M	310m NW	Railway Station	1969	1213506
M	311m NW	Brick and Tile Works	1902	1268303
M	311m NW	Railway Station	1881	1246584
M	311m NW	Railway Station	1938	1192105
M	315m NW	Brick and Tile Works	1953	1236305
2	316m S	Unspecified Heap	1991	1163323
Q	328m NW	Old Tramway Sidings	1921 - 1938	1269492
Q	328m NW	Old Tramway Sidings	1902	1269598
Q	330m NW	Old Tramway Sidings	1953	1216704
M	332m NW	Railway Building	1953	1172744
Q	335m NW	Railway Sidings	1881	1209238
R	335m N	Old Coal Pit	1881	1182058

ID	Location	Land use	Dates present	Group ID
R	336m N	Old Clay Pit	1887	1236037
3	338m S	Unspecified Works	1983	1267237
Q	338m NW	Railway Sidings	1887	1220934
Q	338m NW	Railway Sidings	1938	1255872
Q	339m NW	Old Tramway Sidings	1912	1260748
S	344m S	Unspecified Pit	1969	1186566
T	347m SE	Gasometer	1953	1201523
M	347m NW	Unspecified Tank	1969	1176219
M	349m NW	Unspecified Tank	1969	1176220
S	349m S	Pipe and Brick Works	1920	1187639
S	349m S	Sanitary Pipe and Brick Works	1938	1224086
S	349m S	Sanitary Pipe and Brick Works	1912	1226810
T	349m SE	Gasometer	1902 - 1921	1223591
T	349m SE	Unspecified Tank	1938	1245203
M	351m NW	Railway Building	1953	1172745
M	353m NW	Unspecified Tank	1969	1176218
S	357m S	Unspecified Quarry and Clay Pit	1912	1205860
S	357m S	Unspecified Quarry and Clay Pit	1938	1243881
S	357m S	Quarry and Clay Pit	1882	1164903
S	358m S	Unspecified Quarry and Clay Pit	1953	1239336
M	365m NW	Unspecified Tank	1969	1176217
M	365m NW	Abattoir	1969	1189725
U	365m SE	Nursery	1953	1228894
S	366m S	Clay Pit	1920	1177703
P	370m NW	Smithy	1887	1270153
M	371m N	Unspecified Pit	1912 - 1938	1253297
Q	371m NW	Railway Building	1938	1206447
M	373m N	Clay Pit	1902	1177702

ID	Location	Land use	Dates present	Group ID
Q	373m NW	Railway Building	1902	1191176
Q	373m NW	Railway Building	1921 - 1969	1257964
S	374m S	Unspecified Quarry	1886	1261331
S	377m S	Unspecified Quarry	1883	1270130
S	377m S	Unspecified Quarry	1887	1265751
4	377m NW	Police Station	1969	1180448
S	378m S	Unspecified Quarry	1881	1218769
S	379m S	Unspecified Quarry	1902	1253266
Q	380m NW	Railway Sidings	1887	1238938
Q	380m NW	Railway Sidings	1887	1252624
M	381m NW	Abattoir	1969	1189722
S	386m S	Railway Sidings	1953	1264034
S	389m S	Railway Sidings	1920	1242006
M	389m N	Unspecified Tank	1969	1176216
M	390m N	Unspecified Tank	1969	1176215
S	390m S	Railway Sidings	1938	1190881
M	391m NW	Unspecified Tanks	1969	1168822
S	391m S	Railway Sidings	1902 - 1912	1247979
S	392m S	Railway Sidings	1882	1236000
M	393m NW	Unspecified Tanks	1969	1168820
5	395m S	Unspecified Pit	1953 - 1969	1241381
V	395m N	Unspecified Pit	1969	1253469
U	395m SE	Nursery	1938	1266020
6	399m SW	Nursery	1991	1179847
M	403m NW	Unspecified Tank	1969	1238267
M	404m NW	Unspecified Tank	1969	1176207
M	408m NW	Unspecified Tank	1921	1252248
M	409m NW	Unspecified Tank	1912	1237068

ID	Location	Land use	Dates present	Group ID
M	409m NW	Unspecified Kiln	1881	1245954
M	411m NW	Unspecified Kiln	1887	1242152
M	412m NW	Unspecified Tank	1938	1228561
M	414m NW	Unspecified Tank	1902	1216250
V	420m N	Refuse Heap	1983	1178410
8	424m SE	Railway Sidings	1912	1157751
M	427m N	Railway Sidings	1902	1193018
M	430m NW	Railway Sidings	1938	1227933
M	435m NW	Unspecified Pit	1953	1206020
W	439m NW	Cuttings	1921	1226964
W	440m NW	Cuttings	1938	1199642
U	441m SE	Nursery	1912 - 1938	1201667
W	442m NW	Cuttings	1938	1224442
W	443m NW	Cuttings	1912	1203475
W	446m NW	Cuttings	1953	1261488
W	454m NW	Cuttings	1887	1250812
W	456m NW	Cuttings	1881	1241576
W	489m NW	Old Tramway Sidings	1938	1252755
AB	493m SW	Railway Sidings	1886	1211035
Z	495m S	Refuse Heap	1920	1251704
AB	497m SW	Sanitary Pipe and Brick Works	1902 - 1912	1199041
AB	497m SW	Sanitary Pipe and Brick Works	1938	1241533
Z	498m S	Refuse Heap	1938	1195282
Z	498m S	Refuse Heap	1912	1238780
Z	498m S	Refuse Heap	1882	1263053
10	499m SW	Sanitary Pipe and Brick Works	1882	1190977
AB	499m SW	Sanitary Pipe and Brick Works	1938	1265397

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m	44

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 un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on **page 15 >**

ID	Location	Land use	Dates present	Group ID
G	81m W	Unspecified Tank	1915	174995
A	95m S	Tanks	1986	169830
E	150m SW	Unspecified Tank	1964 - 1996	179452
E	150m SW	Unspecified Tank	1986	182117
A	150m SW	Tanks	1988 - 1996	186033
A	156m SW	Tanks	1996	169829
F	183m W	Tanks	1964	180995
L	184m S	Unspecified Tank	1964	175037
F	184m W	Tanks	1986	191533
H	201m NW	Tanks	1988 - 1996	182478
H	206m NW	Tanks	1997	169832
H	218m NW	Tanks	1996	169834
H	222m NW	Tanks	1997	169831
A	241m S	Unspecified Tank	1988	175036
A	246m S	Unspecified Tank	1988	175035
N	251m SW	Tanks	1988 - 1997	184708
O	280m SW	Unspecified Tank	1997	183994
O	280m SW	Unspecified Tank	1996	185389
O	282m SW	Unspecified Tank	1986	181996
O	282m SW	Unspecified Tank	1964	182310
O	282m SW	Unspecified Tank	1988	186738

ID	Location	Land use	Dates present	Group ID
O	299m SW	Unspecified Tank	1996 - 1997	187625
O	300m SW	Unspecified Tank	1986	190317
O	301m SW	Unspecified Tank	1988	180974
1	304m E	Unspecified Tank	1915	174994
N	321m SW	Unspecified Tank	1980 - 1996	184688
M	347m NW	Tanks	1964	169833
T	356m SE	Gasometer	1903	170792
M	365m NW	Tanks	1964	169835
M	388m N	Tanks	1964	169825
N	392m SW	Unspecified Tank	1963	175032
S	392m S	Tanks	1994 - 1996	184367
S	392m S	Unspecified Tank	1989	175034
S	395m S	Unspecified Tank	1989	175033
M	402m NW	Tanks	1964	169836
M	408m NW	Unspecified Tank	1915	174989
Z	470m S	Tanks	1994 - 1996	186804
Z	471m S	Tanks	1989	188291
AA	474m SW	Unspecified Tank	1986	180801
AA	474m SW	Unspecified Tank	1975	182000
AA	474m SW	Unspecified Tank	1963	190982
AA	475m SW	Unspecified Tank	1963	190647
Z	490m S	Unspecified Tank	1994 - 1996	192886
Z	491m S	Unspecified Tank	1989	189049

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m	17

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 un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on **page 15 >**

ID	Location	Land use	Dates present	Group ID
I	81m NE	Electricity Substation	1996 - 1997	105029
I	106m NE	Electricity Substation	1988	98280
F	169m W	Electricity Substation	1996 - 1997	109891
F	179m W	Electricity Substation	1988	98282
L	185m S	Electricity Substation	1986 - 1997	109249
H	265m NW	Electricity Substation	1988 - 1996	108905
H	270m NW	Electricity Substation	1997	98281
A	293m S	Electricity Substation	1980 - 1989	102776
N	302m SW	Electricity Substation	1980 - 1996	104215
A	331m S	Electricity Substation	1994 - 1996	108168
T	356m SE	Gasometer	1903	99189
7	418m W	Electricity Substation	1978 - 1989	110712
9	435m SE	Electricity Substation	1997	98286
X	442m SE	Electricity Substation	1991	106261
X	451m SE	Electricity Substation	1993 - 1997	106829
Y	457m SW	Electricity Substation	1994 - 1996	102730
Y	458m SW	Electricity Substation	1980 - 1989	105942

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 un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

This data is sourced from Ordnance Survey / Groundsure.

1.5 Historical garages

Records within 500m	0

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

This data is sourced from Ordnance Survey / Groundsure.

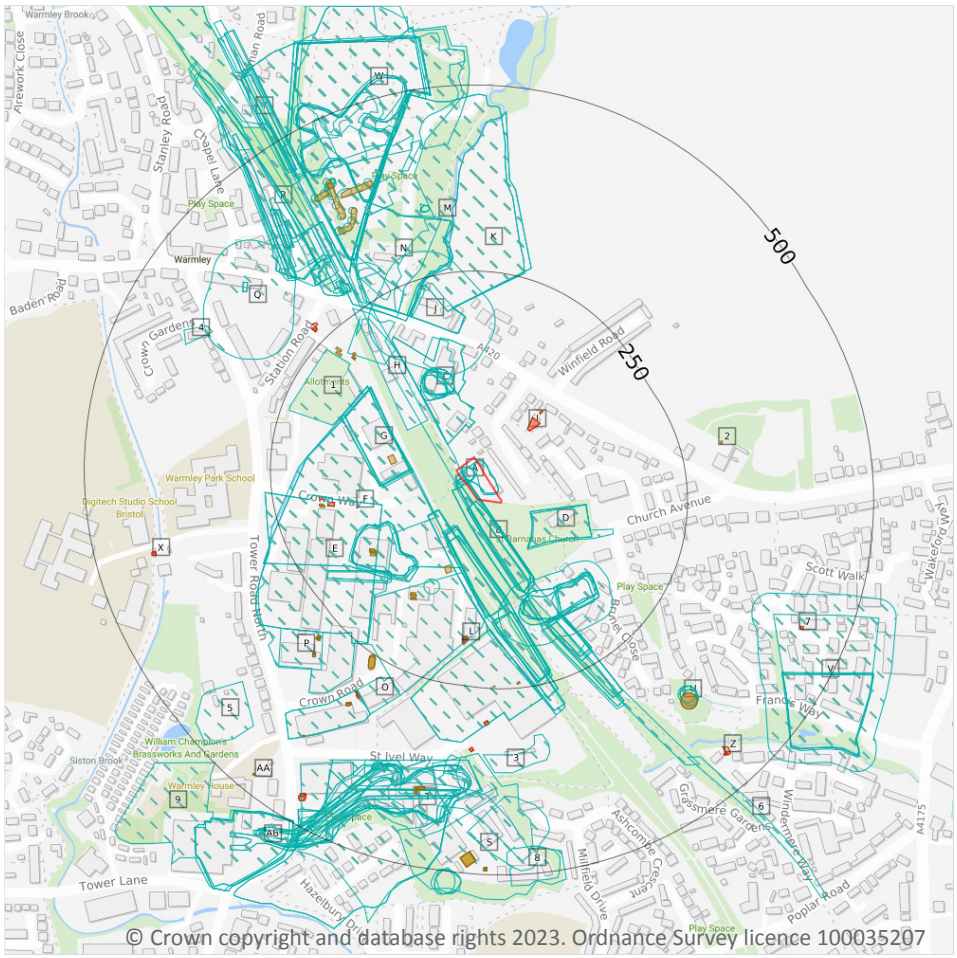
1.6 Historical military land

Records within 500m	0

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

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

2 Past land use - un-grouped



Site Outline

Search buffers in metres (m)

Historical industrial land uses

Historical tanks

Historical energy features

2.1 Historical industrial land uses

Records within 500m	270

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 27 >**

ID	Location	Land Use	Date	Group ID
A	**On site**	**Unspecified Heap**	**1938**	**1239189**
A	**On site**	**Unspecified Heap**	**1881**	**1268606**
A	**On site**	**Unspecified Ground Workings**	**1881**	**1161135**

ID	Location	Land Use	Date	Group ID
A	**On site**	**Unspecified Heap**	**1912**	**1264521**
A	**On site**	**Old Tramway Sidings**	**1912**	**1206304**
A	**On site**	**Unspecified Heaps**	**1887**	**1193230**
A	**On site**	**Unspecified Heaps**	**1887**	**1193230**
A	**On site**	**Unspecified Heap**	**1938**	**1267423**
A	**On site**	**Unspecified Heap**	**1938**	**1267423**
B	**On site**	**Cuttings**	**1953**	**1219220**
B	**On site**	**Cuttings**	**1912**	**1194114**
B	**On site**	**Cuttings**	**1938**	**1194114**
B	**On site**	**Cuttings**	**1921**	**1193402**
B	**On site**	**Cuttings**	**1938**	**1193402**
B	**On site**	**Cuttings**	**1902**	**1200701**
B	3m S	Cuttings	1991	1222108
B	3m S	Cuttings	1983	1222108
B	3m S	Cuttings	1969	1222108
B	7m S	Cuttings	1887	1222837
B	7m S	Cuttings	1887	1222837
B	8m W	Cuttings	1881	1241469
C	35m NW	Unspecified Works	1991	1208661
C	35m NW	Unspecified Works	1983	1208661
D	41m SE	Grave Yard	1887	1264698
D	41m SE	Grave Yard	1887	1264698
D	42m SE	Grave Yard	1881	1219820
B	45m SW	Cuttings	1938	1253140
B	45m SW	Cuttings	1921	1230646
B	45m SW	Cuttings	1938	1230646
B	45m SW	Cuttings	1902	1212321
B	46m SW	Cuttings	1953	1194691

ID	Location	Land Use	Date	Group ID
B	47m SW	Cuttings	1912	1269703
B	50m SW	Cuttings	1881	1206218
B	51m SW	Cuttings	1887	1221835
B	51m SW	Cuttings	1887	1221835
E	52m W	Unspecified Commercial/Industrial	1991	1159188
F	54m W	Ochre and Oxide Works	1921	1268826
F	54m W	Ochre and Oxide Works	1938	1268826
B	55m S	Cuttings	1991	1194691
B	55m S	Cuttings	1983	1194691
B	55m S	Cuttings	1969	1230646
G	58m W	Unspecified Works	1912	1191147
G	59m W	Ochre and Oxide Works	1938	1201849
G	63m W	Unspecified Works	1983	1259949
G	63m W	Ochre and Oxide Works	1969	1194777
G	63m W	Ochre and Oxide Works	1953	1194777
H	77m NW	Unspecified Depot	1983	1171377
C	90m N	Old Coal Pit	1912	1195925
C	90m N	Old Coal Pit	1887	1222432
C	90m N	Old Coal Pit	1887	1222432
C	91m N	Old Coal Pit	1938	1224341
C	91m N	Old Coal Pit	1938	1224341
C	91m N	Old Coal Pit	1881	1236789
C	93m N	Old Clay Pit	1921	1262261
C	93m N	Old Clay Pit	1938	1262261
C	93m N	Old Clay Pit	1902	1207997
C	94m N	Unspecified Heap	1953	1163324
B	100m S	Bakery	1969	1165828
C	104m N	Unspecified Works	1969	1204346

ID	Location	Land Use	Date	Group ID
B	109m SE	Unspecified Old Quarry	1881	1208858
E	110m W	Unspecified Works	1983	1191354
E	110m W	Unspecified Works	1969	1191354
E	110m SW	Old Clay Pit	1921	1263336
E	110m SW	Clay Pit	1938	1257774
E	110m SW	Clay Pit	1902	1243004
E	111m SW	Old Clay Pit	1938	1194875
E	113m SW	Old Clay Pit	1912	1271324
E	115m SW	Old Clay Pit	1953	1204104
J	115m N	Disused Colliery	1921	1201867
B	122m SW	Old Clay Pit	1902	1157260
B	126m SE	Unspecified Old Quarry	1921	1264063
B	126m SE	Unspecified Old Quarry	1938	1264063
B	126m SE	Unspecified Old Quarry	1902	1271439
B	131m SE	Unspecified Old Quarry	1887	1271439
B	131m SE	Unspecified Old Quarry	1887	1271439
B	133m S	Unspecified Pit	1991	1207136
B	133m S	Unspecified Pit	1983	1207136
B	133m S	Unspecified Pit	1969	1207136
B	133m S	Unspecified Pit	1953	1207136
B	134m SE	Unspecified Old Quarry	1953	1233915
B	134m SE	Old Tramway Sidings	1881	1231655
B	135m SE	Unspecified Pit	1991	1262673
B	135m SE	Unspecified Pit	1983	1262673
B	136m S	Unspecified Pit	1938	1204823
B	136m S	Unspecified Pit	1938	1204823
B	137m SE	Unspecified Old Quarry	1938	1258809
B	140m SE	Unspecified Old Quarry	1912	1263467

ID	Location	Land Use	Date	Group ID
B	147m S	Cuttings	1991	1195279
B	147m S	Cuttings	1983	1195279
B	147m S	Cuttings	1953	1262742
B	148m S	Cuttings	1912	1248862
E	152m SW	Clay Pit	1887	1203304
E	152m SW	Clay Pit	1887	1203304
E	152m SW	Clay Pit	1881	1228999
1	164m NW	Unspecified Works	1969	1259949
J	167m N	Disused Colliery	1912	1214302
K	168m N	Disused Colliery	1938	1231349
K	168m N	Disused Colliery	1902	1240222
B	169m SE	Cuttings	1991	1264317
B	169m SE	Cuttings	1983	1264317
B	169m SE	Cuttings	1969	1264317
B	169m SE	Cuttings	1953	1218544
B	169m SE	Cuttings	1887	1260303
B	169m SE	Cuttings	1887	1260303
B	171m S	Industrial Estate	1991	1164514
B	171m S	Unspecified Depot	1983	1171373
B	171m SE	Cuttings	1921	1259327
B	171m SE	Cuttings	1938	1253719
B	171m SE	Cuttings	1902	1236244
H	172m NW	Disused Colliery	1902	1214584
B	173m SE	Cuttings	1938	1226252
B	174m SE	Cuttings	1912	1212846
B	177m SE	Cuttings	1881	1252256
M	199m N	Colliery	1887	1190727
M	199m N	Colliery	1887	1190727

ID	Location	Land Use	Date	Group ID
N	207m N	Disused Colliery	1938	1193964
N	207m N	Disused Colliery	1938	1193964
N	211m NW	Unspecified Works	1969	1179036
N	211m NW	Refuse Heap	1969	1178411
N	214m NW	Colliery	1881	1193937
N	220m NW	Disused Colliery	1953	1241120
N	242m NW	Coal Pit	1881	1165209
O	266m SW	Unspecified Depot	1969	1200713
N	272m NW	Coal Pit	1887	1261885
N	272m NW	Coal Pit	1887	1261885
P	274m SW	Unspecified Depot	1969	1171380
N	277m NW	Railway Station	1938	1261506
N	279m NW	Railway Station	1921	1190666
N	279m NW	Railway Station	1938	1190666
N	279m NW	Railway Station	1902	1259809
N	279m NW	Railway Station	1887	1204805
N	279m NW	Railway Station	1887	1204805
N	279m NW	Unspecified Heap	1953	1163330
N	281m NW	Railway Building	1969	1172746
N	281m NW	Railway Station	1953	1261506
Q	285m NW	Smithy	1881	1239408
N	301m NW	Colliery	1887	1190727
N	301m NW	Colliery	1887	1190727
N	302m NW	Railway Station	1912	1241904
O	302m SW	Unspecified Commercial/Industrial	1983	1159187
O	302m SW	Unspecified Depot	1969	1200713
N	307m NW	Brick and Tile Works	1912	1250071
N	309m NW	Brick and Tile Works	1938	1192550

ID	Location	Land Use	Date	Group ID
N	309m NW	Brick and Tile Works	1938	1192550
R	309m NW	Railway Sidings	1969	1194242
N	310m NW	Railway Station	1969	1213506
N	311m NW	Brick and Tile Works	1921	1192550
N	311m NW	Brick and Tile Works	1938	1192550
N	311m NW	Brick and Tile Works	1902	1268303
N	311m NW	Railway Station	1881	1246584
N	311m NW	Railway Station	1938	1192105
N	315m NW	Brick and Tile Works	1953	1236305
3	316m S	Unspecified Heap	1991	1163323
R	328m NW	Old Tramway Sidings	1921	1269492
R	328m NW	Old Tramway Sidings	1938	1269492
R	328m NW	Old Tramway Sidings	1902	1269598
R	330m NW	Old Tramway Sidings	1953	1216704
N	332m NW	Railway Building	1953	1172744
R	335m NW	Railway Sidings	1881	1209238
M	335m N	Old Coal Pit	1881	1182058
M	336m N	Old Clay Pit	1887	1236037
M	336m N	Old Clay Pit	1887	1236037
R	338m NW	Railway Sidings	1887	1220934
R	338m NW	Railway Sidings	1887	1220934
S	338m S	Unspecified Works	1983	1267237
R	338m NW	Railway Sidings	1938	1255872
R	339m NW	Old Tramway Sidings	1912	1260748
T	344m S	Unspecified Pit	1969	1186566
U	347m SE	Gasometer	1953	1201523
N	347m NW	Unspecified Tank	1969	1176219
N	349m NW	Unspecified Tank	1969	1176220

ID	Location	Land Use	Date	Group ID
T	349m S	Pipe and Brick Works	1920	1187639
T	349m S	Sanitary Pipe and Brick Works	1938	1224086
T	349m S	Sanitary Pipe and Brick Works	1912	1226810
U	349m SE	Gasometer	1921	1223591
U	349m SE	Gasometer	1902	1223591
U	349m SE	Unspecified Tank	1938	1245203
N	351m NW	Railway Building	1953	1172745
N	353m NW	Unspecified Tank	1969	1176218
U	354m SE	Unspecified Tank	1938	1245203
U	354m SE	Gasometer	1912	1223591
T	357m S	Unspecified Quarry and Clay Pit	1938	1243881
T	357m S	Unspecified Quarry and Clay Pit	1912	1205860
T	357m S	Quarry and Clay Pit	1882	1164903
T	358m S	Unspecified Quarry and Clay Pit	1938	1243881
T	358m S	Unspecified Quarry and Clay Pit	1953	1239336
N	365m NW	Unspecified Tank	1969	1176217
N	365m NW	Abattoir	1969	1189725
V	365m SE	Nursery	1953	1228894
T	366m S	Clay Pit	1920	1177703
T	367m S	Unspecified Works	1983	1267237
Q	370m NW	Smithy	1887	1270153
Q	370m NW	Smithy	1887	1270153
N	371m N	Unspecified Pit	1912	1253297
R	371m NW	Railway Building	1938	1206447
N	372m N	Unspecified Pit	1921	1253297
N	372m N	Unspecified Pit	1938	1253297
N	373m N	Clay Pit	1902	1177702
R	373m NW	Railway Building	1921	1257964

ID	Location	Land Use	Date	Group ID
R	373m NW	Railway Building	1938	1257964
R	373m NW	Railway Building	1902	1191176
N	374m N	Unspecified Pit	1938	1253297
N	374m N	Unspecified Pit	1938	1253297
T	374m S	Unspecified Quarry	1886	1261331
T	374m S	Unspecified Quarry	1886	1261331
R	375m NW	Railway Building	1969	1257964
R	375m NW	Railway Building	1953	1257964
T	377m S	Unspecified Quarry	1883	1270130
T	377m S	Unspecified Quarry	1887	1265751
T	377m S	Unspecified Quarry	1887	1265751
4	377m NW	Police Station	1969	1180448
T	378m S	Unspecified Quarry	1881	1218769
T	379m S	Unspecified Quarry	1902	1253266
R	380m NW	Railway Sidings	1887	1238938
R	380m NW	Railway Sidings	1887	1252624
N	381m NW	Abattoir	1969	1189722
T	386m S	Railway Sidings	1953	1264034
T	389m S	Railway Sidings	1920	1242006
N	389m N	Unspecified Tank	1969	1176216
N	390m N	Unspecified Tank	1969	1176215
T	390m S	Railway Sidings	1938	1190881
N	391m NW	Unspecified Tanks	1969	1168822
T	391m S	Railway Sidings	1938	1190881
T	391m S	Railway Sidings	1912	1247979
T	391m S	Railway Sidings	1902	1247979
T	392m S	Railway Sidings	1882	1236000
N	393m NW	Unspecified Tanks	1969	1168820

ID	Location	Land Use	Date	Group ID
S	395m S	Unspecified Pit	1953	1241381
W	395m N	Unspecified Pit	1969	1253469
V	395m SE	Nursery	1938	1266020
5	399m SW	Nursery	1991	1179847
N	403m NW	Unspecified Tank	1969	1238267
N	404m NW	Unspecified Tank	1969	1176207
N	408m NW	Unspecified Tank	1921	1252248
N	409m NW	Unspecified Tank	1912	1237068
N	409m NW	Unspecified Kiln	1881	1245954
N	411m NW	Unspecified Kiln	1887	1242152
N	411m NW	Unspecified Kiln	1887	1242152
N	412m NW	Unspecified Tank	1938	1228561
N	414m NW	Unspecified Tank	1938	1228561
N	414m NW	Unspecified Tank	1902	1216250
W	420m N	Refuse Heap	1983	1178410
6	424m SE	Railway Sidings	1912	1157751
N	427m N	Railway Sidings	1902	1193018
N	430m NW	Railway Sidings	1938	1227933
N	435m NW	Unspecified Pit	1953	1206020
Y	439m NW	Cuttings	1921	1226964
Y	440m NW	Cuttings	1938	1199642
V	441m SE	Nursery	1921	1201667
V	442m SE	Nursery	1938	1201667
Y	442m NW	Cuttings	1938	1224442
V	443m SE	Nursery	1912	1201667
Y	443m NW	Cuttings	1912	1203475
Y	446m NW	Cuttings	1953	1261488
Y	454m NW	Cuttings	1887	1250812

ID	Location	Land Use	Date	Group ID
Y	454m NW	Cuttings	1887	1250812
Y	456m NW	Cuttings	1881	1241576
8	463m S	Unspecified Pit	1969	1241381
Y	489m NW	Old Tramway Sidings	1938	1252755
AB	493m SW	Railway Sidings	1886	1211035
AB	493m SW	Railway Sidings	1886	1211035
S	495m S	Refuse Heap	1920	1251704
AB	497m SW	Sanitary Pipe and Brick Works	1938	1241533
AB	497m SW	Sanitary Pipe and Brick Works	1912	1199041
S	498m S	Refuse Heap	1938	1195282
S	498m S	Refuse Heap	1912	1238780
S	498m S	Refuse Heap	1882	1263053
9	499m SW	Sanitary Pipe and Brick Works	1882	1190977
AB	499m SW	Sanitary Pipe and Brick Works	1938	1265397
AB	499m SW	Sanitary Pipe and Brick Works	1902	1199041

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m	**58**

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 27 >**

ID	Location	Land Use	Date	Group ID
G	81m W	Unspecified Tank	1915	174995
B	95m S	Tanks	1986	169830
E	150m SW	Unspecified Tank	1964	179452
E	150m SW	Unspecified Tank	1988	179452
E	150m SW	Unspecified Tank	1986	182117

ID	Location	Land Use	Date	Group ID
B	150m SW	Tanks	1988	186033
E	152m SW	Unspecified Tank	1996	179452
B	152m SW	Tanks	1996	186033
B	156m SW	Tanks	1996	169829
F	183m W	Tanks	1964	180995
L	184m S	Unspecified Tank	1964	175037
F	184m W	Tanks	1986	191533
H	201m NW	Tanks	1996	182478
H	204m NW	Tanks	1988	182478
H	206m NW	Tanks	1997	169832
H	218m NW	Tanks	1996	169834
H	222m NW	Tanks	1997	169831
B	241m S	Unspecified Tank	1988	175036
B	246m S	Unspecified Tank	1988	175035
O	251m SW	Tanks	1997	184708
O	251m SW	Tanks	1996	184708
O	253m SW	Tanks	1988	184708
P	280m SW	Unspecified Tank	1997	183994
P	280m SW	Unspecified Tank	1996	185389
P	282m SW	Unspecified Tank	1986	181996
P	282m SW	Unspecified Tank	1964	182310
P	282m SW	Unspecified Tank	1988	186738
P	299m SW	Unspecified Tank	1997	187625
P	299m SW	Unspecified Tank	1996	187625
P	300m SW	Unspecified Tank	1986	190317
P	301m SW	Unspecified Tank	1988	180974
2	304m E	Unspecified Tank	1915	174994
O	321m SW	Unspecified Tank	1994	184688

ID	Location	Land Use	Date	Group ID
O	321m SW	Unspecified Tank	1996	184688
O	322m SW	Unspecified Tank	1980	184688
O	322m SW	Unspecified Tank	1986	184688
O	322m SW	Unspecified Tank	1989	184688
N	347m NW	Tanks	1964	169833
U	356m SE	Gasometer	1903	170792
N	365m NW	Tanks	1964	169835
N	388m N	Tanks	1964	169825
O	392m SW	Unspecified Tank	1963	175032
T	392m S	Tanks	1994	184367
T	392m S	Tanks	1996	184367
T	392m S	Unspecified Tank	1989	175034
T	395m S	Unspecified Tank	1989	175033
N	402m NW	Tanks	1964	169836
N	408m NW	Unspecified Tank	1915	174989
S	470m S	Tanks	1994	186804
S	470m S	Tanks	1996	186804
S	471m S	Tanks	1989	188291
AA	474m SW	Unspecified Tank	1986	180801
AA	474m SW	Unspecified Tank	1975	182000
AA	474m SW	Unspecified Tank	1963	190982
AA	475m SW	Unspecified Tank	1963	190647
S	490m S	Unspecified Tank	1994	192886
S	490m S	Unspecified Tank	1996	192886
S	491m S	Unspecified Tank	1989	189049

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m	**38**

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 27 >**

ID	Location	Land Use	Date	Group ID
I	81m NE	Electricity Substation	1997	105029
I	81m NE	Electricity Substation	1996	105029
I	106m NE	Electricity Substation	1988	98280
F	169m W	Electricity Substation	1997	109891
F	169m W	Electricity Substation	1996	109891
F	179m W	Electricity Substation	1988	98282
L	185m S	Electricity Substation	1997	109249
L	185m S	Electricity Substation	1996	109249
L	186m S	Electricity Substation	1986	109249
L	187m S	Electricity Substation	1988	109249
H	265m NW	Electricity Substation	1996	108905
H	267m NW	Electricity Substation	1988	108905
H	270m NW	Electricity Substation	1997	98281
B	293m S	Electricity Substation	1980	102776
B	294m S	Electricity Substation	1986	102776
B	294m S	Electricity Substation	1989	102776
O	302m SW	Electricity Substation	1994	104215
O	302m SW	Electricity Substation	1996	104215
O	303m SW	Electricity Substation	1980	104215
O	303m SW	Electricity Substation	1986	104215
O	303m SW	Electricity Substation	1989	104215
B	331m S	Electricity Substation	1994	108168
B	331m S	Electricity Substation	1996	108168

ID	Location	Land Use	Date	Group ID
U	356m SE	Gasometer	1903	99189
X	418m W	Electricity Substation	1978	110712
X	419m W	Electricity Substation	1989	110712
7	435m SE	Electricity Substation	1997	98286
Z	442m SE	Electricity Substation	1991	106261
Z	451m SE	Electricity Substation	1994	106829
Z	451m SE	Electricity Substation	1994	106829
Z	451m SE	Electricity Substation	1996	106829
Z	451m SE	Electricity Substation	1997	106829
Z	451m SE	Electricity Substation	1993	106829
T	457m SW	Electricity Substation	1994	102730
T	457m SW	Electricity Substation	1996	102730
T	458m SW	Electricity Substation	1980	105942
T	458m SW	Electricity Substation	1986	105942
T	458m SW	Electricity Substation	1989	105942

This data is sourced from Ordnance Survey / Groundsure.

2.4 Historical petrol stations

Records within 500m	0

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

This data is sourced from Ordnance Survey / Groundsure.

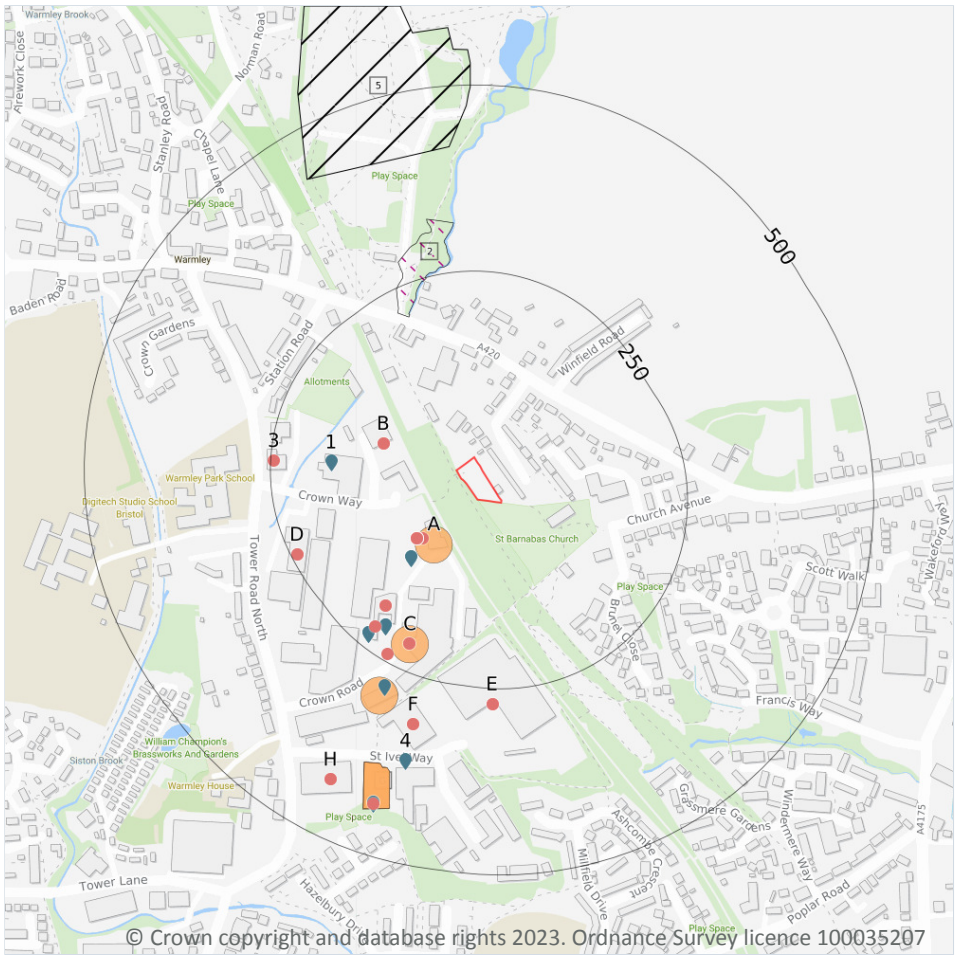
2.5 Historical garages

Records within 500m	0

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

This data is sourced from Ordnance Survey / Groundsure.

3 Waste and landfill



Site Outline

Search buffers in metres (m)

Historical landfill (EA/NRW)

Historical landfill (LA/OS)

Historical waste sites

Licensed waste sites

Waste exemptions

3.1 Active or recent landfill

Records within 500m	0

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

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

3.2 Historical landfill (BGS records)

Records within 500m	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	1

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

Features are displayed on the Waste and landfill map on **page 42 >**

ID	Location	Site address	Source	Data type
2	208m NW	Refuse Tip	1964 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	1

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

Features are displayed on the Waste and landfill map on **page 42 >**

ID	Location	Details		
5	414m N	Site Address: London Road Clay Pits, London Road, Warmley, Kingswood Licence Holder Address: Avon House North, St James	Waste Licence: Yes Site Reference: S/KW/T/7 Waste Type: Inert, Household Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 18/07/1978 Licence Surrender: -	Operator: The Avon County Council Licence Holder: County Council of Avon First Recorded 31/12/1978 Last Recorded: 31/12/1983

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

3.5 Historical waste sites

Records within 500m	6

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

Features are displayed on the Waste and landfill map on **page 42 >**

ID	Location	Address	Further Details	Date
A	59m SW	Site Address: Crown Industrial Estate, Crown Road, Warmley, BRISTOL, Avon, BS30 8JJ	Type of Site: Waste Recycling Centre Planning application reference: PK07/0013/F Description: Scheme comprises change of use from mixed business and general industrial (class B1&B2) and storage and distribution (class B8) to waste recycling (sui generis). An application (ref: PK07/0013/F) for detailed planning permission was refused by South Glou cestershire D.C. Planning decision obtained Data source: Historic Planning Application Data Type: Point	-
C	189m S	Site Address: Crown Industrial Estate, Crown Road, Warmley, Bristol, Avon, BS30 8JJ	Type of Site: Waste Transfer Building (Conversion) Planning application reference: PK16/1049/MW Description: Scheme comprises this application seeks permission for change of use of those parts of unit 3, crown road industrial estate, currently having mixed business use B1, B2 and B8 consent, to waste sui generis. Data source: Historic Planning Application Data Type: Point	16/09/2016
C	269m SW	Site Address: Shield Environmental, Crown Road, Warmley, Bristol, Avon, BS30 8JJ	Type of Site: Waste Transfer Station (Extension) Planning application reference: PK13/2235/MW Description: Scheme comprises construction of single storey extension to each side of waste transfer station to provide segregated areas for administrative and clerical sectors, creation of new vehicular access. Data source: Historic Planning Application Data Type: Point	04/10/2013
G	377m S	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1989
G	377m S	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1994
G	377m S	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1996

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

3.6 Licensed waste sites

Records within 500m	13

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

Features are displayed on the Waste and landfill map on **page 42 >**

ID	Location	Details		
A	119m SW	Site Name: Unit 3 Site Address: Crown Road Industrial Estate, Crown Road, Warmley, Bristol, Avon, BS30 8JJ Correspondence Address: -	Type of Site: 75kte HCI Waste TS + treatment Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: FRA064 EPR reference: EA/EPR/LB3830AG/V002 Operator: Tom's Rubbish Clearance Limited Waste Management licence No: 104811 Annual Tonnage: 74999	Issue Date: 11/03/2013 Effective Date: - Modified: 10/05/2017 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
A	119m SW	Site Name: Unit 3 Site Address: Crown Road Industrial Estate, Crown Road, Warmley, Bristol, Avon, BS30 8JJ Correspondence Address: -	Type of Site: 75kte HCI Waste TS + treatment Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 642662 EPR reference: EA/EPR/LB3830AG Operator: Tom's Rubbish Clearance Limited Waste Management licence No: 104811 Annual Tonnage: 74999	Issue Date: 11/03/2013 Effective Date: 11/03/2013 Modified: 11/03/2013 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
1	168m W	Site Name: Shield House Site Address: Caxton Business Park, Crown Way, Warmley, Bristol, Avon, BS30 8XJ Correspondence Address: -	Type of Site: Asbestos Waste Transfer Station Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 657891 EPR reference: EA/EPR/GB3003HD Operator: Shield Environmental Services Limited Waste Management licence No: 404657 Annual Tonnage: 0	Issue Date: 13/03/2018 Effective Date: 13/03/2018 Modified: 13/03/2018 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued

ID	Location	Details		
C	211m SW	Site Name: Warmley Transfer Station Site Address: Warmley Transfer Station, Crown Road, Crown Road Ind Est, Warmley, Bristol, BS30 8JJ Correspondence Address: -	Type of Site: 75kte HCI Waste TS + treatment Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: MJC004 EPR reference: EA/EPR/WP3693FF/V002 Operator: M J Church (Plant) Limited Waste Management licence No: 26053 Annual Tonnage: 74999	Issue Date: 19/11/2002 Effective Date: 08/05/2008 Modified: 17/03/2014 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
C	211m SW	Site Name: Warmley Transfer Station Site Address: Warmley Transfer Station, Crown Road, Warmley, Bristol, Avon, BS30 8JJ Correspondence Address: -	Type of Site: 75kte HCI Waste TS + treatment Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: MJC004 EPR reference: EA/EPR/WP3693FF/V002 Operator: M J Church (Plant) Ltd Waste Management licence No: 26053 Annual Tonnage: 74999	Issue Date: 19/11/2002 Effective Date: 08/05/2008 Modified: 17/03/2014 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
C	211m SW	Site Name: Warmley Transfer Station Site Address: Warmley Transfer Station, Crown Road, Warmley, Bristol, Avon, BS30 8JJ Correspondence Address: -	Type of Site: 75kte HCI Waste TS + treatment Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 631072 EPR reference: EA/EPR/WP3693FF Operator: M J Church (Plant) Limited Waste Management licence No: 26053 Annual Tonnage: 74999	Issue Date: 19/11/2002 Effective Date: 19/11/2002 Modified: 19/11/2002 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued

ID	Location	Details		
C	233m SW	Site Name: Flooks Scaffolding Crown Road T/s Site Address: Crown Road, Crown Road, Crown Road Industrial Est, Warmley, Bristol, BS30 8JJ Correspondence Address: Crown Road, Crown Road Ind. Estate, Warmley, Bristol, BS30 8JJ	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: DJR001 EPR reference: - Operator: DJ & RL Flook Dean James & Russell Lee Waste Management licence No: 26053 Annual Tonnage: 25000	Issue Date: 19/11/2002 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
C	233m SW	Site Name: Crown Road Transfer Station Site Address: Land / Premises At, Crown Road, Crown Road Industrial Est, Warmley, Bristol, BS30 8JJ Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: MJC004 EPR reference: EA/EPR/WP3693FF/T001 Operator: M J Church (Plant) Ltd Waste Management licence No: 26053 Annual Tonnage: 25000	Issue Date: 19/11/2002 Effective Date: 08/05/2008 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred
C	233m SW	Site Name: Crown Road Transfer Station Site Address: Crown Road, Crown Road Industrial Est, Warmley, Bristol, BS30 8JJ Correspondence Address: Star Farm, Marshfield, Chippenham, SN14 8LH	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: MJC004 EPR reference: - Operator: M J Church (Plant) Ltd Waste Management licence No: 26053 Annual Tonnage: 25000	Issue Date: 19/11/2002 Effective Date: 08/05/2008 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred

ID	Location	Details		
C	281m SW	Site Name: Shield Transfer Station Site Address: Shield Transfer Station, Crown Road, Warmley, Bristol, Avon, BS30 8XS Correspondence Address: -	Type of Site: Asbestos Waste Transfer Station Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 632534 EPR reference: EA/EPR/PB3331RD Operator: Shield Environmental Services Limited Waste Management licence No: 400187 Annual Tonnage: 0	Issue Date: 15/03/2013 Effective Date: 15/03/2013 Modified: - Surrendered Date: 15/03/2013 Expiry Date: - Cancelled Date: - Status: Surrendered
4	364m S	Site Name: St Ivel Way Transfer Station Site Address: Unit 2, St Ivel Way, Warmley, Bristol, Avon, BS15 5TY Correspondence Address: -	Type of Site: Special Waste Transfer Station Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 631774 EPR reference: EA/EPR/SP3499FE Operator: Safety-Kleen U.k. Limited Waste Management licence No: 27229 Annual Tonnage: 5000	Issue Date: 31/03/1989 Effective Date: 31/03/1989 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Surrendered
G	432m S	Site Name: Barretine Group Site Address: St Ivel Way, Warmley, Bristol, BS30 8TY Correspondence Address: -	Type of Site: In-House Storage Facility Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: BAR192 EPR reference: EA/EPR/CB3001UB/A001 Operator: J. V. Barrett & Co Ltd Waste Management licence No: 401737 Annual Tonnage: 30	Issue Date: 09/11/2015 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
G	432m S	Site Name: Barretine Group Site Address: St Ivel Way, St Ivel Way, Warmley, Bristol, Avon, BS30 8TY Correspondence Address: -	Type of Site: In-House Storage Facility Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 642214 EPR reference: EA/EPR/CB3001UB Operator: J V Barrett & Co Limited Waste Management licence No: 401737 Annual Tonnage: 30	Issue Date: 09/11/2015 Effective Date: 09/11/2015 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued

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

3.7 Waste exemptions

Records within 500m	28

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 42 >**

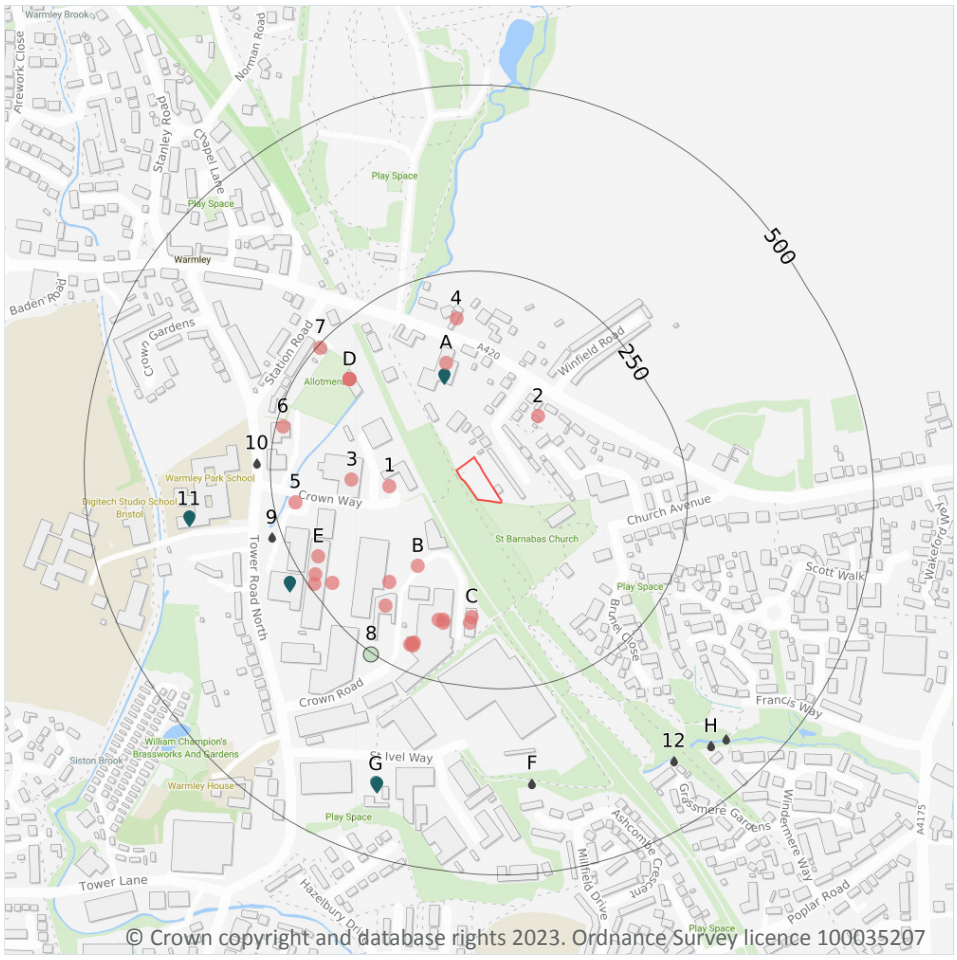
ID	Location	Site	Reference	Category	Sub-Category	Description
A	91m SW	Unit 3 Crown Road Industrial Estate Bristol BS30 8JJ	EPR/MF0100 MK/A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of waste in a secure place
A	97m SW	UNIT 3, CROWN INDUSTRIAL ESTATE, CROWN ROAD, WARMLEY, BRISTOL, BS30 8JJ	WEX117648	Disposing of waste exemption	Not on a farm	Depositing samples of waste for the purposes of testing or analysing them
A	97m SW	UNIT 3, CROWN INDUSTRIAL ESTATE, CROWN ROAD, WARMLEY, BRISTOL, BS30 8JJ	WEX117648	Storing waste exemption	Not on a farm	Storage of waste in a secure place
A	97m SW	UNIT 3, CROWN INDUSTRIAL ESTATE, CROWN ROAD, WARMLEY, BRISTOL, BS30 8JJ	WEX117648	Treating waste exemption	Not on a farm	Sorting mixed waste
A	97m SW	UNIT 3, CROWN INDUSTRIAL ESTATE, CROWN ROAD, WARMLEY, BRISTOL, BS30 8JJ	WEX117648	Treating waste exemption	Not on a farm	Manual treatment of waste
A	97m SW	UNIT 3, CROWN INDUSTRIAL ESTATE, CROWN ROAD, WARMLEY, BRISTOL, BS30 8JJ	WEX117648	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
A	97m SW	UNIT 3, CROWN INDUSTRIAL ESTATE, CROWN ROAD, WARMLEY, BRISTOL, BS30 8JJ	WEX117648	Treating waste exemption	Not on a farm	Screening and blending of waste
A	97m SW	UNIT 3, CROWN INDUSTRIAL ESTATE, CROWN ROAD, WARMLEY, BRISTOL, BS30 8JJ	WEX117648	Treating waste exemption	Not on a farm	Recovery of scrap metal

ID	Location	Site	Reference	Category	Sub-Category	Description
A	97m SW	UNIT 3, CROWN INDUSTRIAL ESTATE, CROWN ROAD, WARMLEY, BRISTOL, BS30 8JJ	WEX117648	Using waste exemption	Not on a farm	Use of mulch
A	97m SW	UNIT 3, CROWN INDUSTRIAL ESTATE, CROWN ROAD, WARMLEY, BRISTOL, BS30 8JJ	WEX117648	Using waste exemption	Not on a farm	Use of waste to manufacture finished goods
B	105m W	-	WEX366062	Storing waste exemption	Not on a farm	Storage of waste in a secure place
B	105m W	-	WEX366062	Storing waste exemption	Not on a farm	Storage of waste in secure containers
C	189m SW	CROWN INDUSTRIAL ESTATE, CROWN ROAD, WARMLEY, BRISTOL, BS30 8JJ	WEX131940	Storing waste exemption	Not on a farm	Storage of waste in a secure place
C	189m SW	CROWN INDUSTRIAL ESTATE, CROWN ROAD, WARMLEY, BRISTOL, BS30 8JJ	WEX272573	Storing waste exemption	Not on a farm	Storage of waste in a secure place
C	214m SW	Yard 3 Crown Industrial Estate Crown Road Bristol BS30 8JJ	EPR/KE5549EG/A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of waste in a secure place
C	214m SW	Yard 3 Crown Industrial Estate Crown Road Bristol BS30 8JJ	EPR/KE5549EG/A001	Treating waste exemption	Non-Agricultural Waste Only	Preparatory treatments (baling, sorting, shredding etc)
C	220m SW	Crown Industrial Estate Waste Transfer Station Crown Road BRISTOL BS30 8JJ	EPR/CH0512DX/A001	Treating waste exemption	Non-Agricultural Waste Only	Preparatory treatments (baling, sorting, shredding etc)
C	241m SW	Crown Industrial Estate Waste Transfer Station Crown Road BRISTOL BS30 8JJ	EPR/ZF0403TV/A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of waste in a secure place
D	243m W	Caxton Business Park, Tower Road North, Warmley, Bristol, BS30 8XJ	WEX238069	Storing waste exemption	Not on a farm	Storage of waste in secure containers
D	243m W	Caxton Business Park, Tower Road North, Warmley, Bristol, BS30 8XJ	WEX238069	Storing waste exemption	Not on a farm	Storage of waste in a secure place

ID	Location	Site	Reference	Category	Sub-Category	Description
3	246m W	SpaMedica Bristol, Corum 2, Corum Office Park, Crown Way, Warmley, Bristol, BS30 8FJ	WEX253509	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
E	271m S	-	WEX259799	Storing waste exemption	Not on a farm	Storage of waste in a secure place
E	271m S	-	WEX259799	Storing waste exemption	Not on a farm	Storage of waste in secure containers
F	315m S	SPECTRUM HOUSE, ST. IVEL WAY, BRISTOL, BS30 8TY	WEX096942	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
F	315m S	SPECTRUM HOUSE, ST. IVEL WAY, BRISTOL, BS30 8TY	WEX239622	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
H	425m SW	ST. IVEL WAY, BRISTOL, BS30 8TY	WEX109995	Storing waste exemption	Not on a farm	Storage of waste in secure containers
H	425m SW	ST. IVEL WAY, BRISTOL, BS30 8TY	WEX109995	Storing waste exemption	Not on a farm	Storage of waste in a secure place
G	433m S	Spectrum House St. Ivel Way Bristol Avon BS30 8TY	EPR/CF0334DM/A001	Treating waste exemption	Non-Agricultural Waste Only	Preparatory treatments (baling, sorting, shredding etc)

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	28

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on **page 52 >**

ID	Location	Company	Address	Activity	Category
1	92m W	Business Park	Gloucestershire, BS30	Business Parks and Industrial Estates	Industrial Features
2	102m NE	Electricity Sub Station	Gloucestershire, BS30	Electrical Features	Infrastructure and Facilities

ID	Location	Company	Address	Activity	Category
B	120m SW	Crown Industrial Estate	Gloucestershire, BS30	Business Parks and Industrial Estates	Industrial Features
A	132m N	A Nichols Cow Mills	8, London Road, Warmley, Gloucestershire, BS30 5JF	Animal Feeds, Pet Foods, Hay and Straw	Foodstuffs
3	141m W	Wheelchair & Equipment Loan	83, Tower Road North, Warmley, Gloucestershire, BS30 8XP	Disability and Mobility Equipment	Consumer Products
C	157m S	Technical Solution Suspension Ltd	Crown Industrial Estate, Crown Road, Warmley, Bristol, Gloucestershire, BS30 8JJ	Vehicle Repair, Testing and Servicing	Repair and Servicing
B	162m SW	Masts	Gloucestershire, BS30	Telecommunications Features	Infrastructure and Facilities
C	165m S	HiQ Centre	Unit 6 Crown Industrial Estate, Crown Road, Warmley, Gloucestershire, BS30 8JJ	Vehicle Repair, Testing and Servicing	Repair and Servicing
C	168m S	Grant Motorsport	Unit 5d Crown Industrial Estate, Crown Road, Warmley, Gloucestershire, BS30 8JJ	Motorsport Services	Sport and Entertainment Support Services
C	170m S	Bag & Bale	Unit 5a Crown Industrial Estate, Crown Road, Warmley, Gloucestershire, BS30 8JJ	Ropes, Nets and Cordage	Industrial Products
C	172m S	Balecom Ltd	Unit 5a Crown Industrial Estate, Crown Road, Warmley, Bristol, Gloucestershire, BS30 8JJ	Waste Collection, Processing and Disposal Equipment	Industrial Products
4	188m N	Swift Timber Buildings	11, London Road, Warmley, Bristol, Gloucestershire, BS30 5JB	Garden Goods	Consumer Products
B	189m SW	M J Church Ltd	Crown Road, Warmley, Bristol, Gloucestershire, BS30 8JJ	Recycling, Reclamation and Disposal	Recycling Services
D	189m NW	Ryobe UK	-, Station Road, Warmley, Gloucestershire, BS30 8XG	Packaging	Industrial Products
D	189m NW	New World Business Centre	-, Station Road, Warmley, Gloucestershire, BS30 8XG	Business Parks and Industrial Estates	Industrial Features
D	189m NW	Allium Environmental Ltd	-, Station Road, Warmley, Gloucestershire, BS30 8XG	Recycling, Reclamation and Disposal	Recycling Services

ID	Location	Company	Address	Activity	Category
D	189m NW	D T M Workplace Solutions Ltd	Station Road, Warmley, Bristol, Gloucestershire, BS30 8XG	Office and Shop Equipment	Industrial Products
C	210m S	C F S Bristol Ltd	Yard 3c Crown Industrial Estate, Crown Road, Warmley, Gloucestershire, BS30 8JJ	Vehicle Repair, Testing and Servicing	Repair and Servicing
C	213m S	Tom's Rubbish Clearance	Unit 3 Crown Industrial Estate, Crown Road, Warmley, Bristol, Gloucestershire, BS30 8JJ	Waste Storage, Processing and Disposal	Infrastructure and Facilities
C	214m SW	Rawlings & Son Bristol	Unit 3 Crown Industrial Estate, Crown Road, Warmley, Bristol, Gloucestershire, BS30 8JJ	Packaging	Industrial Products
C	214m S	Com Pak	Financial Affairs Office at Unit 3 Crown Industrial Estate, Crown Road, Warmley, Gloucestershire, BS30 8JJ	Distribution and Haulage	Transport, Storage and Delivery
E	218m SW	Avon Hardwood Flooring	Warmley, -, Bristol, Gloucestershire, BS30 8FR	Construction Completion Services	Construction Services
5	221m W	Electricity Sub Station	Gloucestershire, BS30	Electrical Features	Infrastructure and Facilities
E	222m SW	Business Park	Gloucestershire, BS30	Business Parks and Industrial Estates	Industrial Features
E	234m SW	Premier Mezzanines	Unit 4 Ground Floor Warmley Business Park, Crown Way, Warmley, Gloucestershire, BS30 8FR	Building and Component Suppliers	Construction Services
6	241m W	Kone	Corum Office Park, Crown Way, Warmley, Gloucestershire, BS30 8FJ	Industrial Repairs and Servicing	Repair and Servicing
E	243m SW	Single Variety Ltd	Unit 5 Warmley Business Park, Crown Way, Warmley, Gloucestershire, BS30 8FR	Catering and Non Specific Food Products	Foodstuffs
7	246m NW	First Choice Toyota Specialists	1a, Station Road, Warmley, Gloucestershire, BS30 8XH	Vehicle Repair, Testing and Servicing	Repair and Servicing

This data is sourced from Ordnance Survey.

4.2 Current or recent petrol stations

Records within 500m	0

Open, closed, under development and obsolete petrol stations.

This data is sourced from Experian.

4.3 Electricity cables

Records within 500m	0

High voltage underground electricity transmission cables.

This data is sourced from National Grid.

4.4 Gas pipelines

Records within 500m	0

High pressure underground gas transmission pipelines.

This data is sourced from National Grid.

4.5 Sites determined as Contaminated Land

Records within 500m	0

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

This data is sourced from Local Authority records.

4.6 Control of Major Accident Hazards (COMAH)

Records within 500m	0

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

This data is sourced from the Health and Safety Executive.

4.7 Regulated explosive sites

Records within 500m	0

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

This data is sourced from the Health and Safety Executive.

4.8 Hazardous substance storage/usage

Records within 500m	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	5

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 52 >**

ID	Location	Address	Details	
A	116m N	A Nicholls (Cow Mills) Ltd, 8 London Road, Warmley, Bristol, South Gloucestershire, BS30 5JF	Process: Animal Feed Compound Status: Historic Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
E	270m SW	Amcor, 83 Tower Road, North Warmley, Bristol, South Gloucestershire, BS30 8XP	Process: Surface Cleaning Status: Historical Permit Permit Type: Part A2	Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
11	365m W	Alcan Packaging, Lawson Marden, 83 Tower Road, North Warmley, Bristol, South Gloucestershire, BS30 8XP	Process: Surface Cleaning Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
G	406m S	Concrete Plant, 2 St Ivel Way, Warmley, Bristol, South Gloucestershire, BS30 8TY	Process: Use of Bulk Cement Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
G	406m S	Wright Minimix Ltd, 2 St Ivel Way, Warmley, Bristol, South Gloucestershire, BS30 8TY	Process: Use of Bulk Cement Status: Current Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified

This data is sourced from Local Authority records.

4.12 Radioactive Substance Authorisations

Records within 500m	**0**

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

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

4.13 Licensed Discharges to controlled waters

Records within 500m	**8**

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 52 >**

ID	Location	Address	Details	
9	264m W	MARDEN SON AND HALL, TOWER ROAD, WARMLEY	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: 021251 Permit Version: 1 Receiving Water: SISTON BROOK	Status: LAPSED UNDER SCHEDULE 23 ENVIRONMENT ACT 1995 Issue date: - Effective Date: 09/09/1983 Revocation Date: 01/10/1996
10	268m W	GRANGE SCHOOL PUMPING STATION, TOWER ROAD NORTH, WARMLEY, BRISTOL, AVON	Effluent Type: SEWAGE DISCHARGES - PUMPING STATION - WATER COMPANY Permit Number: 021463 Permit Version: 1 Receiving Water: WARMLEY BROOK	Status: SURRENDERED UNDER EPR 2010 Issue date: - Effective Date: 01/11/1974 Revocation Date: 15/07/2021
F	379m S	POPLAR FARM ESTATE SEWAGE P STN, POPULAR ROAD, WARMLEY, BRISTOL	Effluent Type: SEWAGE DISCHARGES - PUMPING STATION - WATER COMPANY Permit Number: 100282 Permit Version: 1 Receiving Water: TRIBUTARY OF SISTON BROOK	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 26/02/1998 Effective Date: 26/03/1997 Revocation Date: -
F	379m S	POPLAR FARM ESTATE SEWAGE P STN, POPULAR ROAD, WARMLEY, BRISTOL	Effluent Type: MISCELLANEOUS DISCHARGES - EMERGENCY DISCHARGES Permit Number: 010290 Permit Version: 1 Receiving Water: SISTON BROOK,TRIB OF	Status: LAPSED UNDER SCHEDULE 23 ENVIRONMENT ACT 1995 Issue date: - Effective Date: 01/11/1989 Revocation Date: 01/10/1996
12	417m SE	POPLAR RD, LAND NORTH OF, BRIDGEYATE, KINGSWOOD, AVON	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: 010474 Permit Version: 1 Receiving Water: TRIB OF SISTON BROOK	Status: NEW CONSENT, BY APPLICATION (WRA 91, SECTION 88) Issue date: - Effective Date: 01/10/1988 Revocation Date: -
H	431m SE	POPLAR RD, LAND NORTH OF, BRIDGEYATE, KINGSWOOD, AVON	Effluent Type: MISCELLANEOUS DISCHARGES - EMERGENCY DISCHARGES Permit Number: 010439 Permit Version: 1 Receiving Water: RIB OF SISTON BROOK	Status: REVOKED - UNSPECIFIED Issue date: - Effective Date: 01/10/1988 Revocation Date: 16/10/2007
H	431m SE	POPLAR RD, LAND NORTH OF, BRIDGEYATE, KINGSWOOD, AVON	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: 010439 Permit Version: 1 Receiving Water: RIB OF SISTON BROOK	Status: REVOKED - UNSPECIFIED Issue date: - Effective Date: 01/10/1988 Revocation Date: 16/10/2007

ID	Location	Address	Details	
H	437m SE	ULLSWATER CLOSE PUMPING STATION, ULLSWATER CLOSE, BRIDGE YATE, KINGSWOOD, BRISTOL, BS30 5XR	Effluent Type: SEWAGE DISCHARGES - PUMPING STATION - WATER COMPANY Permit Number: 103824 Permit Version: 1 Receiving Water: A TRIB OF THE SISTON BROOK	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 17/10/2007 Effective Date: 17/10/2007 Revocation Date: -

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

4.14 Pollutant release to surface waters (Red List)

Records within 500m	**0**

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

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

4.15 Pollutant release to public sewer

Records within 500m	**0**

Discharges of Special Category Effluents to the public sewer.

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

4.16 List 1 Dangerous Substances

Records within 500m	**0**

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

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

4.17 List 2 Dangerous Substances

Records within 500m	**0**

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

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

4.18 Pollution Incidents (EA/NRW)

Records within 500m	1

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 52 >**

ID	Location	Details	
8	251m SW	Incident Date: 07/03/2003 Incident Identification: 141675 Pollutant: Oils and Fuel Pollutant Description: Diesel	Water Impact: Category 3 (Minor) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)

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

4.19 Pollution inventory substances

Records within 500m	0

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

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

4.20 Pollution inventory waste transfers

Records within 500m	0

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

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

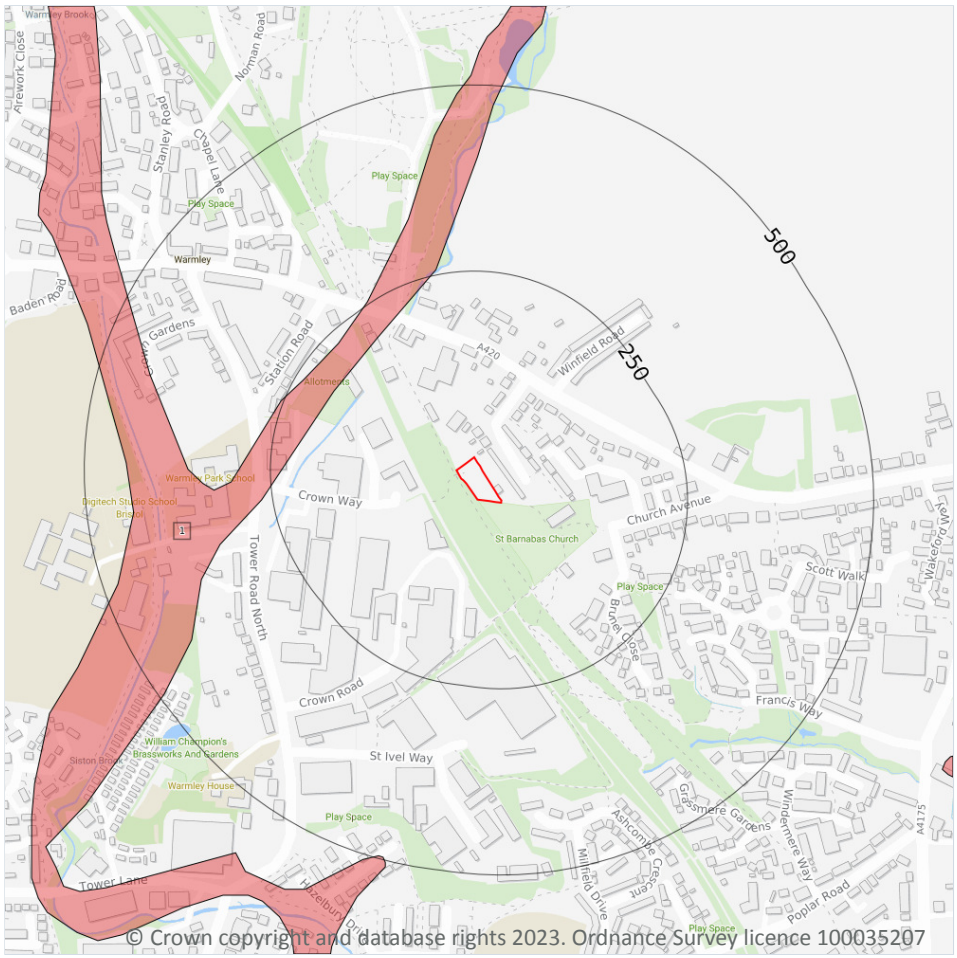
4.21 Pollution inventory radioactive waste

Records within 500m	0

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

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

5 Hydrogeology - Superficial aquifer



Site Outline

Search buffers in metres (m)

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

5.1 Superficial aquifer

Records within 500m	1

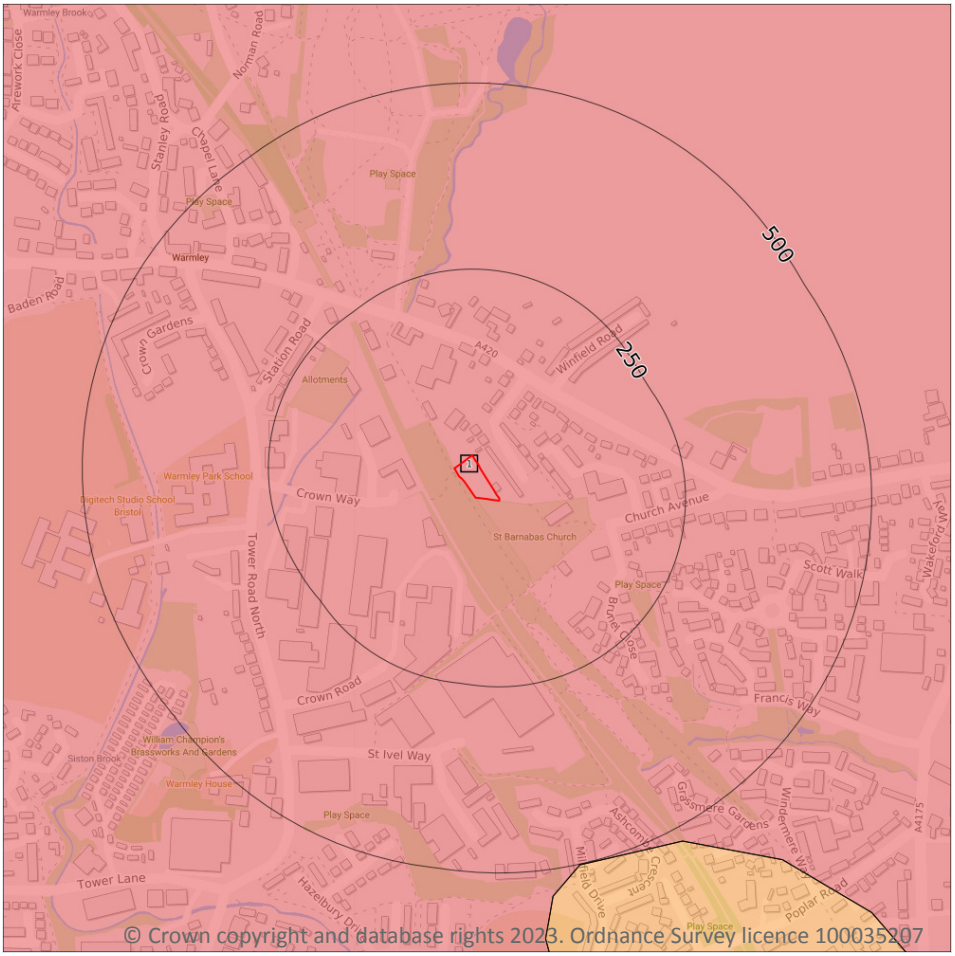
Aquifer status of groundwater held within superficial geology.

Features are displayed on the Hydrogeology map on **page 61 >**

ID	Location	Designation	Description
1	195m NW	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers

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

Bedrock aquifer



Site Outline

Search buffers in metres (m)

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

5.2 Bedrock aquifer

Records within 500m	1

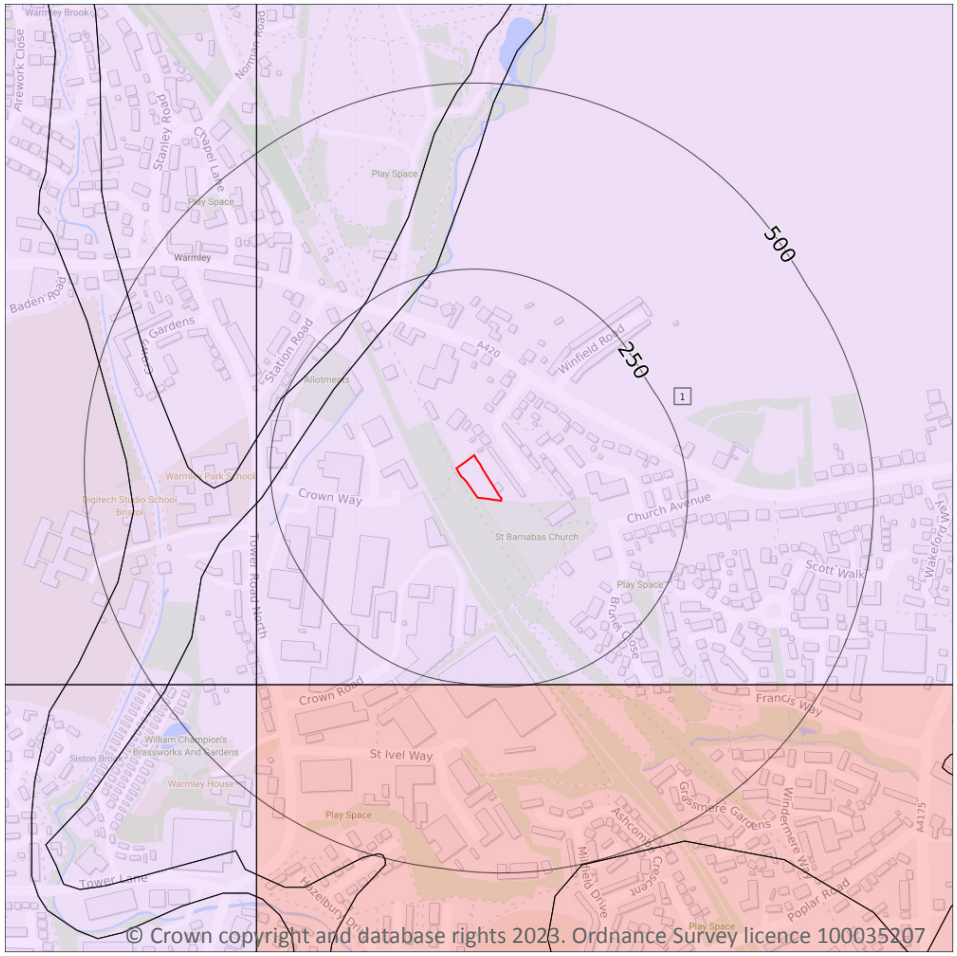
Aquifer status of groundwater held within bedrock geology.

Features are displayed on the Bedrock aquifer map on **page 62 >**

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

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

Groundwater vulnerability



Site Outline

Search buffers in metres (m)

Superficial vulnerability

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

Bedrock vulnerability

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

Other information

- Unproductive aquifer
- Soluble rock risk
- Local information

5.3 Groundwater vulnerability

Records within 50m	1

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

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

Features are displayed on the Groundwater vulnerability map on **page 63 >**

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	On site	**Summary Classification: Secondary bedrock aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer**	**Leaching class: Low Infiltration value: <40% Dilution value: 300-550mm/year**	**Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data**	**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.

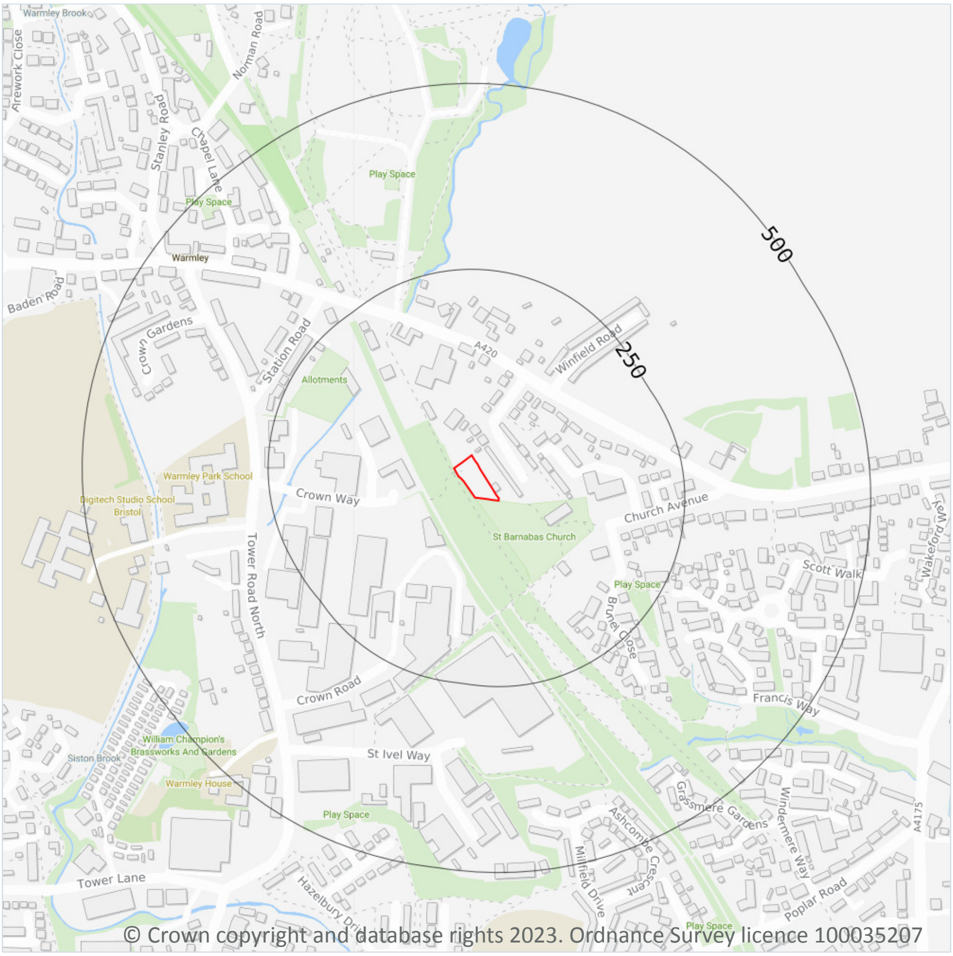
5.5 Groundwater vulnerability- local information

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
- 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 65 >

ID	Location	Details	
-	1221m E	Status: Historical Licence No: 17/53/001/G/086 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: WARMLEY Data Type: Point Name: Wilkins Easting: 368500 Northing: 172900	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 24/03/1966 Expiry Date: - Issue No: 100 Version Start Date: 24/03/1966 Version End Date: -
-	1609m E	Status: Historical Licence No: 17/53/001/G/250 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: INGLESIDE FARM Data Type: Point Name: Curtis Easting: 368900 Northing: 173600	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 28/03/1966 Expiry Date: - Issue No: 100 Version Start Date: 28/03/1966 Version End Date: -
-	1873m SE	Status: Historical Licence No: 17/53/003/G/009 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: WELL, WICK Data Type: Point Name: Jerwood Easting: 369000 Northing: 172400	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 14/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 14/02/1966 Version End Date: -

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

5.7 Surface water abstractions

Records within 2000m	**0**

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.

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	10

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

Features are displayed on the Hydrology map on **page 68 >**

ID	Location	Type of water feature	Ground level	Permanence	Name
B	164m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Siston Brook

ID	Location	Type of water feature	Ground level	Permanence	Name
1	164m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Siston Brook
C	184m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Siston Brook
C	208m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	210m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	211m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Siston Brook
3	231m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Siston Brook
D	231m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	246m N	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	Siston Brook
5	250m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Siston Brook

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 68 >**

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 68 >**

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
A	**On site**	**River**	**Siston Bk - source to conf R Avon (Brist)**	**GB109053027450**	**Avon Bristol Urban**	**Avon Bristol and Somerset Nort**

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

6.4 WFD Surface water bodies

Records identified	1

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

Features are displayed on the Hydrology map on **page 68 >**

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
2	165m NW	River	Siston Bk - source to conf R Avon (Brist)	GB109053027450 ↗	Moderate	Fail	Moderate	2019

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

6.5 WFD Groundwater bodies

Records on site	1

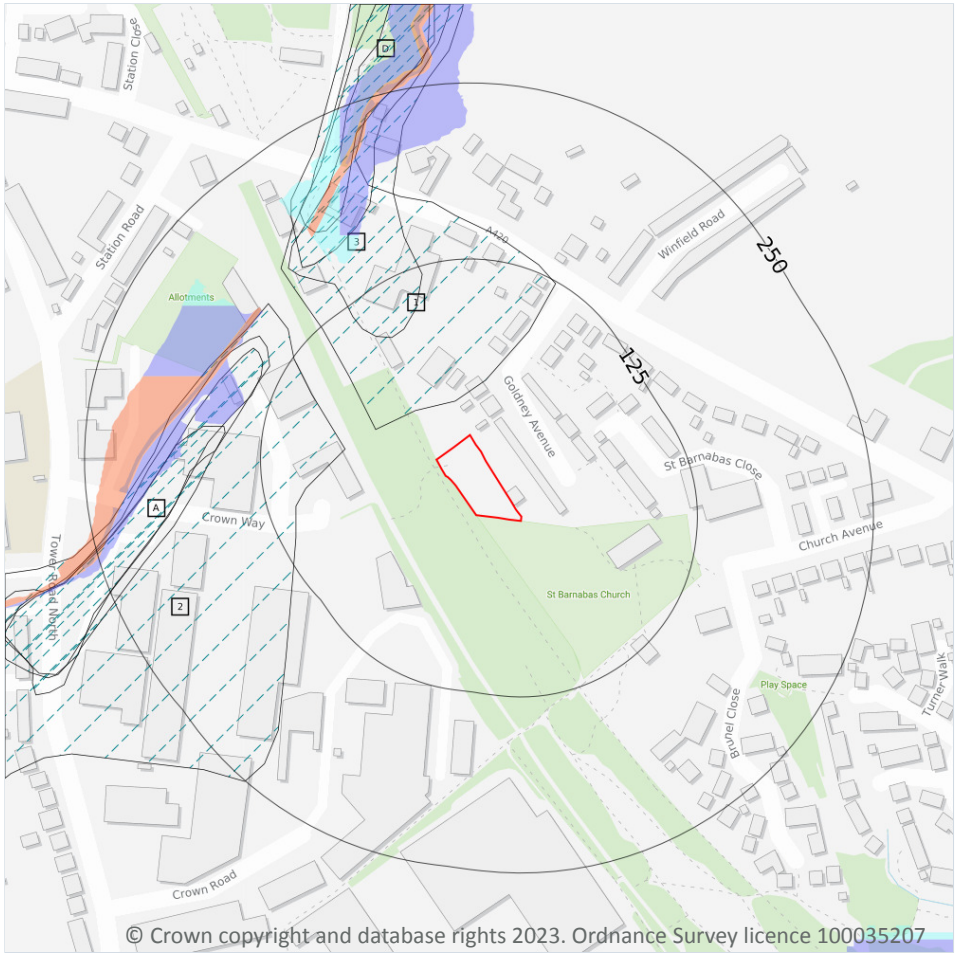
Groundwater bodies are also covered by the Directive and the same regime of objectives and reporting detailed in the previous section is in place. Click on the water body ID in the table to visit the EA Catchment Explorer to find out more about each groundwater body listed.

Features are displayed on the Hydrology map on **page 68 >**

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
A	**On site**	**Bristol Triassic**	**GB40902G804800** ↗	**Good**	**Good**	**Good**	**2019**

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

7 River and coastal flooding



Site Outline

Search buffers in metres (m)

River and coastal flooding:

- High
- Medium
- Low
- Very Low
- Historical Flood Events
- Areas Used for Flood Storage
- Areas Benefiting from Flood Defences
- Flood Defences

7.1 Risk of flooding from rivers and the sea

Records within 50m	0

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

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

7.2 Historical Flood Events

Records within 250m	8

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

Features are displayed on the River and coastal flooding map on **page 72 >**

ID	Location	Event name	Date of flood	Flood source	Flood cause	Type of flood
1	26m N	Ea112_Siston_Warmley_Oldland_ Willisbridge	1968-07-10 1968-07-10	Main river	Channel capacity exceeded (no raised defences)	Fluvial
2	65m W	Ea112_Siston_Warmley_Oldland_ Willisbridge	1968-07-10 1968-07-10	Main river	Channel capacity exceeded (no raised defences)	Fluvial
3	89m NW	Ea112_Siston Brook_Kingswood	1962-01-01 1962-01-31	Main river	Channel capacity exceeded (no raised defences)	Fluvial
A	136m NW	Ea112_Sistonbrook_Kingswood_ Willsbridge_Bristol	1966-11-05 1966-11-05	Main river	Channel capacity exceeded (no raised defences)	Fluvial
A	138m NW	Ea112_Warmley Brook_Warmley_1965	1965-12-18 1965-12-19	Main river	Channel capacity exceeded (no raised defences)	Fluvial
A	151m W	Ea112_Siston Brook_Kingswood	1962-01-01 1962-01-31	Main river	Channel capacity exceeded (no raised defences)	Fluvial
D	163m NW	Ea112_Warmley Brook_Warmley_1965	1965-12-18 1965-12-19	Main river	Channel capacity exceeded (no raised defences)	Fluvial
D	177m NW	Ea112_Sistonbrook_Kingswood_ Willsbridge_Bristol	1966-11-05 1966-11-05	Main river	Channel capacity exceeded (no raised defences)	Fluvial

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

7.3 Flood Defences

Records within 250m	0

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

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

7.4 Areas Benefiting from Flood Defences

Records within 250m	0

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

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

7.5 Flood Storage Areas

Records within 250m	0

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

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

River and coastal flooding - Flood Zones

7.6 Flood Zone 2

Records within 50m	0

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

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

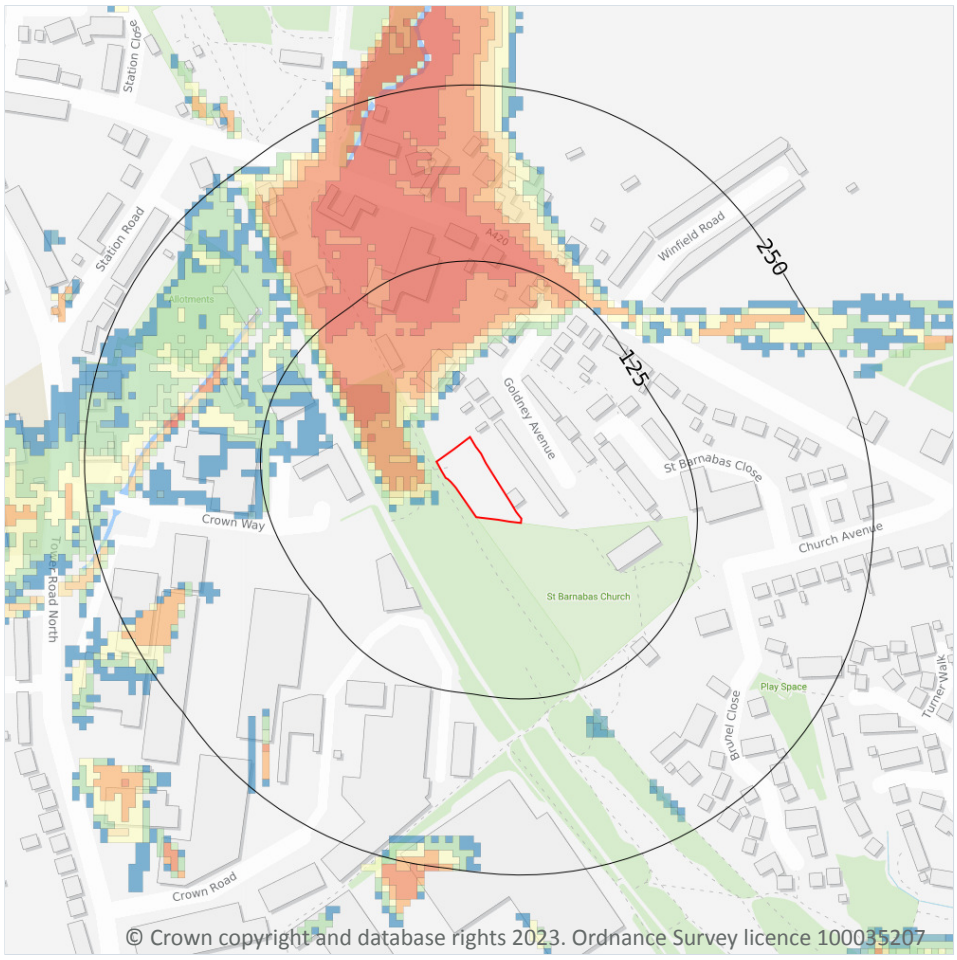
7.7 Flood Zone 3

Records within 50m	0

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

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

8 Surface water flooding



Site Outline

Search buffers in metres (m)

1 in 1000 return period
- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

1 in 250 return period
- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

1 in 100 return period
- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

1 in 30 return period
- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

8.1 Surface water flooding

Highest risk on site	**Negligible**
Highest risk within 50m	**1 in 30 year, Greater than 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 76 >**

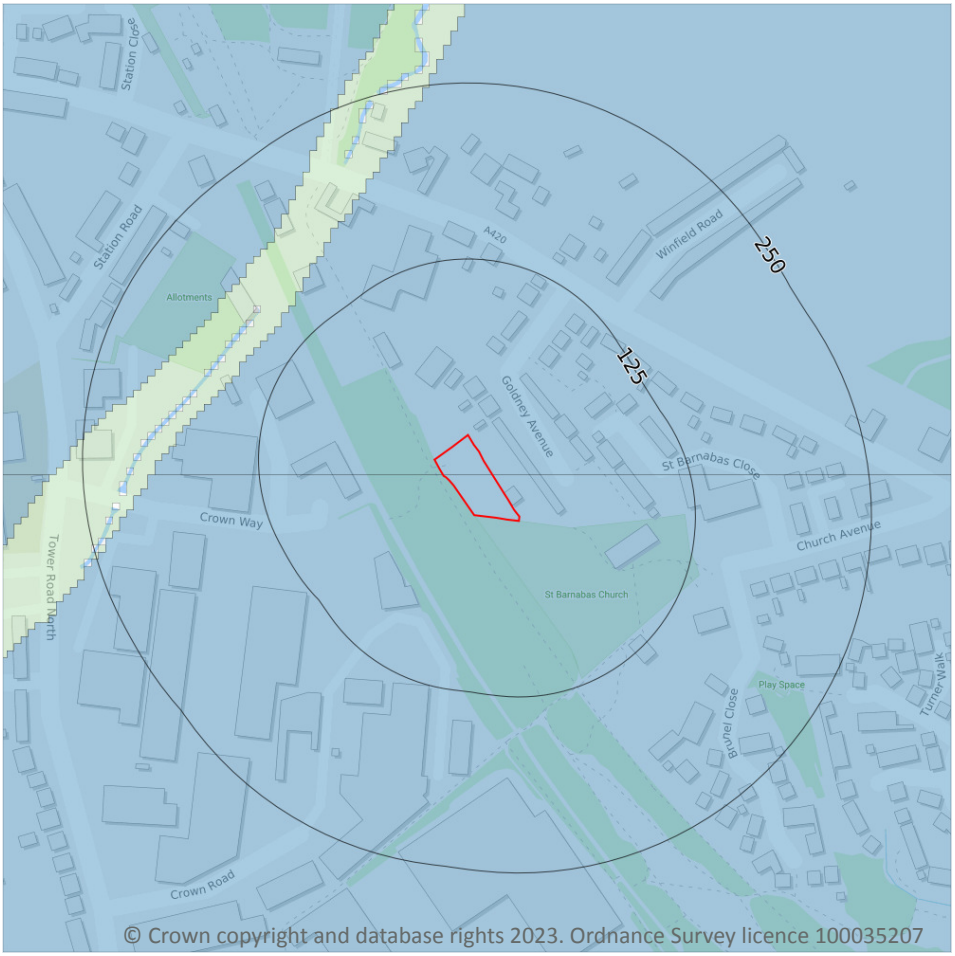
The data shown on the map and in the table above shows the highest likelihood of flood events happening at the site. Lower likelihood events may have greater flood depths and hence a greater potential impact on a site.

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



Site Outline

Search buffers in metres (m)

- High
- Moderate - High
- Moderate
- Low
- Negligible

9.1 Groundwater flooding

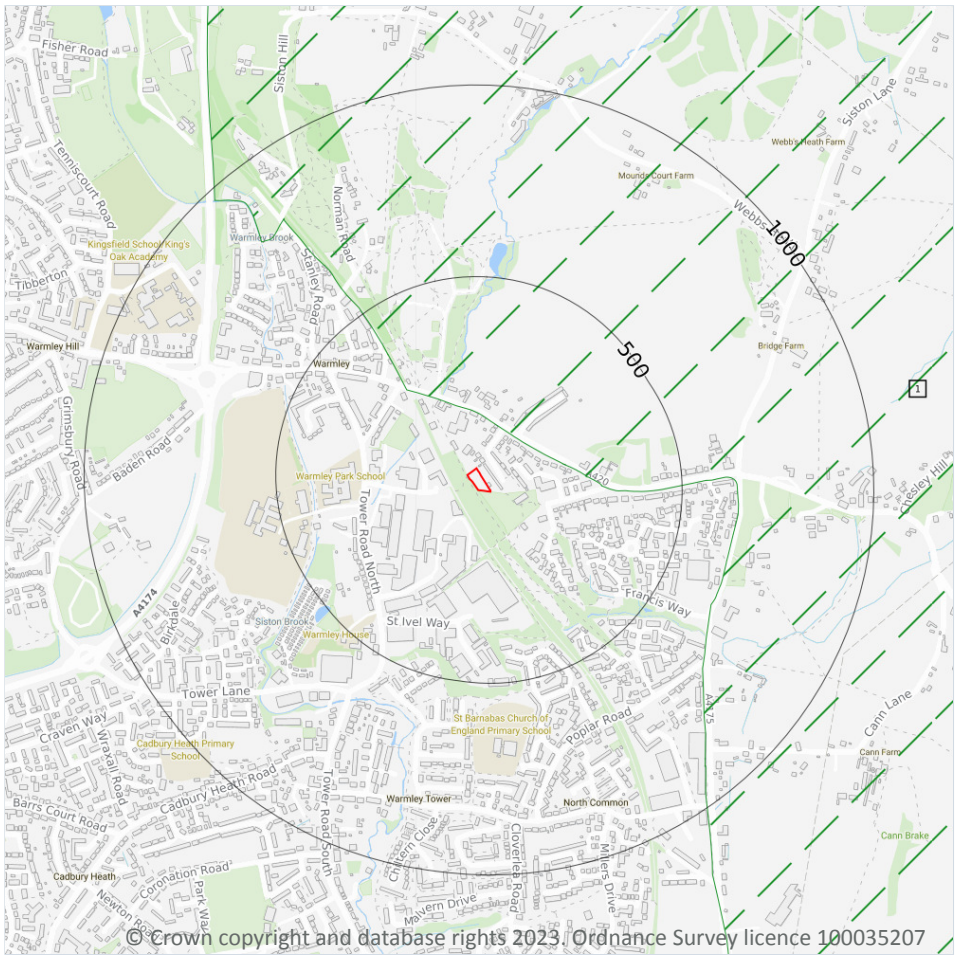
Highest risk on site	**Negligible**
Highest risk within 50m	**Negligible**

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 78 >**

This data is sourced from Ambiental Risk Analytics.

10 Environmental designations



Site Outline

Search buffers in metres (m)

Designated Ancient Woodland

Green Belt

10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m	0

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

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

10.2 Conserved wetland sites (Ramsar sites)

Records within 2000m	0

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

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

10.3 Special Areas of Conservation (SAC)

Records within 2000m	0

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

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

10.4 Special Protection Areas (SPA)

Records within 2000m	0

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

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

10.5 National Nature Reserves (NNR)

Records within 2000m	0

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

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

10.6 Local Nature Reserves (LNR)

Records within 2000m	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	2

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

Features are displayed on the Environmental designations map on **page 79 >**

ID	Location	Name	Woodland Type
-	1798m NE	Tuts Wood	Ancient Replanted Woodland
-	1807m NE	Tuts Wood	Ancient & Semi-Natural Woodland

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

10.8 Biosphere Reserves

Records within 2000m	0

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

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

10.9 Forest Parks

Records within 2000m	0

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

This data is sourced from the Forestry Commission.

10.10 Marine Conservation Zones

Records within 2000m	0

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

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

10.11 Green Belt

Records within 2000m	1

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

Features are displayed on the Environmental designations map on **page 79 >**

ID	Location	Name	Local Authority name
1	123m NE	Bath and Bristol	South Gloucestershire

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

10.12 Proposed Ramsar sites

Records within 2000m	0

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

This data is sourced from Natural England.

10.13 Possible Special Areas of Conservation (pSAC)

Records within 2000m	0

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

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

10.14 Potential Special Protection Areas (pSPA)

Records within 2000m	0

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

This data is sourced from Natural England.

10.15 Nitrate Sensitive Areas

Records within 2000m	0

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

This data is sourced from Natural England.

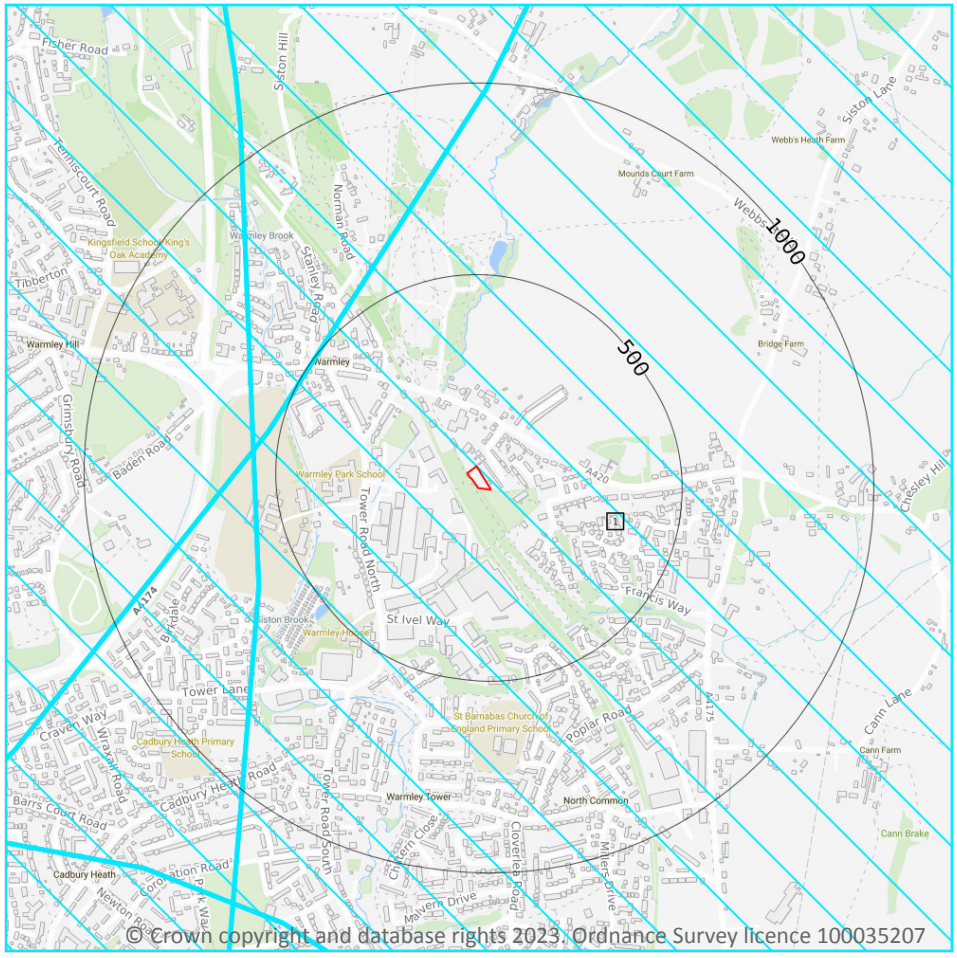
10.16 Nitrate Vulnerable Zones

Records within 2000m	0

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

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

SSSI Impact Zones and Units



Site Outline

Search buffers in metres (m)

SSSI Impact Risk Zones

SSSI Units

- Not recorded
- Favourable
- Unfavourable - Recovering
- Unfavourable - No change
- Unfavourable - Declining
- Partially destroyed
- Destroyed

10.17 SSSI Impact Risk Zones

Records on site	1

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

Features are displayed on the SSSI Impact Zones and Units map on **page 84 >**

ID	Location	Type of developments requiring consultation
1	**On site**	**Infrastructure - Airports, helipads and other aviation proposals.** **Air pollution - Livestock & poultry units with floorspace > 500m², slurry lagoons & digestate stores > 750m², manure stores > 3500t.**

This data is sourced from Natural England.

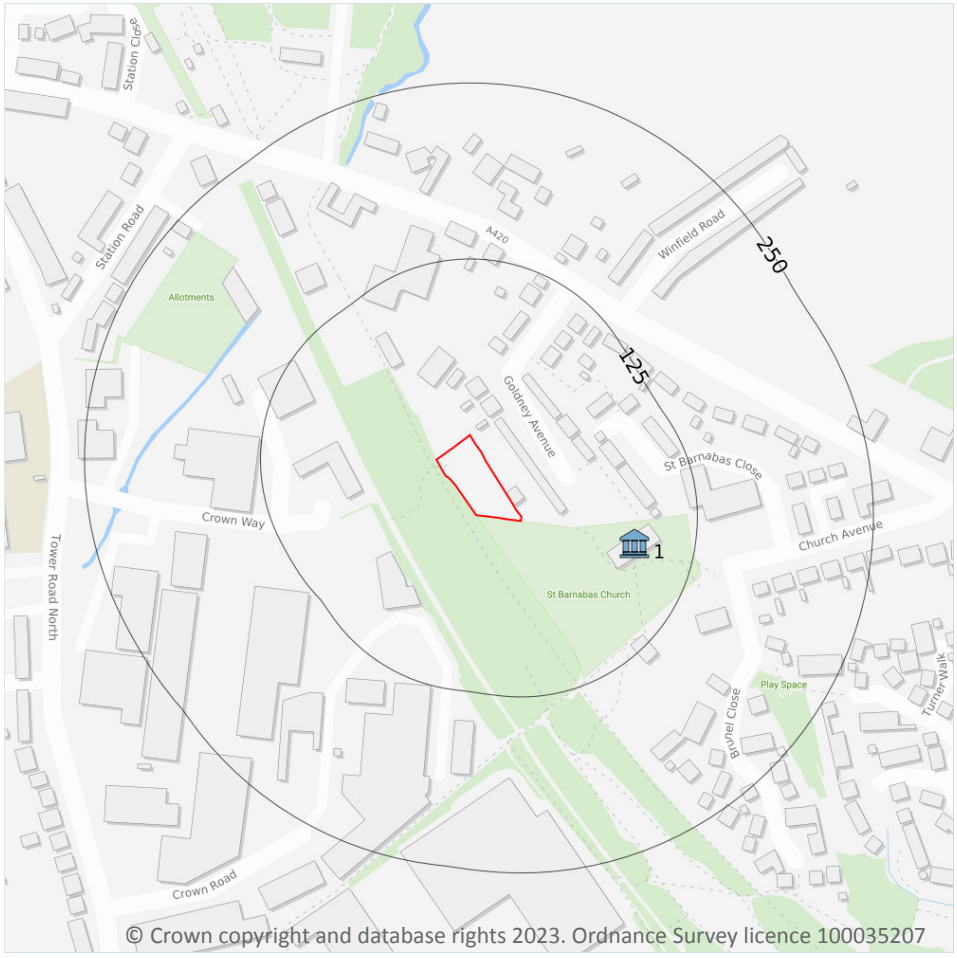
10.18 SSSI Units

Records within 2000m	0

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

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

11 Visual and cultural designations



Site Outline

Search buffers in metres (m)

- Listed buildings
- Conservation areas
- Conservation areas - no data
- National Parks
- Areas of Outstanding Natural Beauty
- Registered parks and gardens
- Scheduled Monuments
- World Heritage Sites

11.1 World Heritage Sites

Records within 250m	0

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

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

11.2 Area of Outstanding Natural Beauty

Records within 250m	0

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

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

11.3 National Parks

Records within 250m	0

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

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

11.4 Listed Buildings

Records within 250m	1

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

Features are displayed on the Visual and cultural designations map on **page 86 >**

ID	Location	Name	Grade	Reference Number	Listed date
1	82m E	Church Of St Barnabas	II	1231432	15/07/1981

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

11.5 Conservation Areas

Records within 250m	0

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

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

11.6 Scheduled Ancient Monuments

Records within 250m	0

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

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

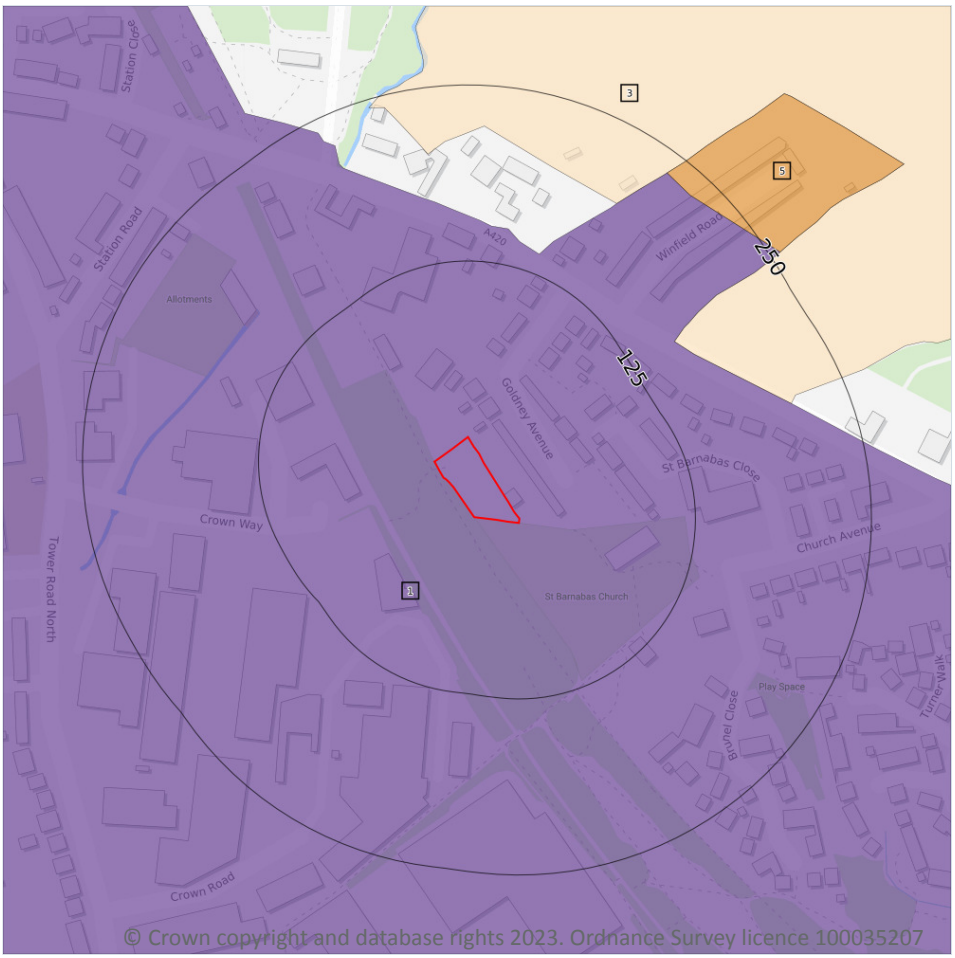
11.7 Registered Parks and Gardens

Records within 250m	0

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

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

12 Agricultural designations



Site Outline

Search buffers in metres (m)

- Grade 1 - excellent quality
- Grade 2 - very good quality
- Grade 3 - good to moderate quality
- Grade 3a - good quality
- Grade 3b - moderate quality
- Grade 4 - poor quality
- Grade 5 - very poor quality
- Non-agricultural land
- Urban land
- Exclusion land
- Tree felling licences
- Open Access land

12.1 Agricultural Land Classification

Records within 250m	3

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 89 >**

ID	Location	Classification	Description
1	**On site**	**Urban**	-
3	160m NE	Grade 3b	Moderate quality agricultural land. Land capable of producing moderate yields of a narrow range of crops, principally cereals and grass or lower yields of a wider range of crops or high yields of grass which can be grazed or harvested over most of the year.

ID	Location	Classification	Description
5	233m NE	Grade 3	Good to moderate quality agricultural land. Land with moderate limitations which affect the choice of crops, timing and type of cultivation, harvesting or the level of yield. Where more demanding crops are grown yields are generally lower or more variable than on land in Grades 1 and 2.

This data is sourced from Natural England.

12.2 Open Access Land

Records within 250m	0

The Countryside and Rights of Way Act 2000 (CROW Act) gives a public right of access to land without having to use paths. Access land includes mountains, moors, heaths and downs that are privately owned. It also includes common land registered with the local council and some land around the England Coast Path. Generally permitted activities on access land are walking, running, watching wildlife and climbing.

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

12.3 Tree Felling Licences

Records within 250m	0

Felling Licence Application (FLA) areas approved by Forestry Commission England. Anyone wishing to fell trees must ensure that a licence or permission under a grant scheme has been issued by the Forestry Commission before any felling is carried out or that one of the exceptions apply.

This data is sourced from the Forestry Commission.

12.4 Environmental Stewardship Schemes

Records within 250m	0

Environmental Stewardship covers a range of schemes that provide financial incentives to farmers, foresters and land managers to look after and improve the environment. The schemes identified may be historical schemes that have now expired, or may still be active.

This data is sourced from Natural England.

12.5 Countryside Stewardship Schemes

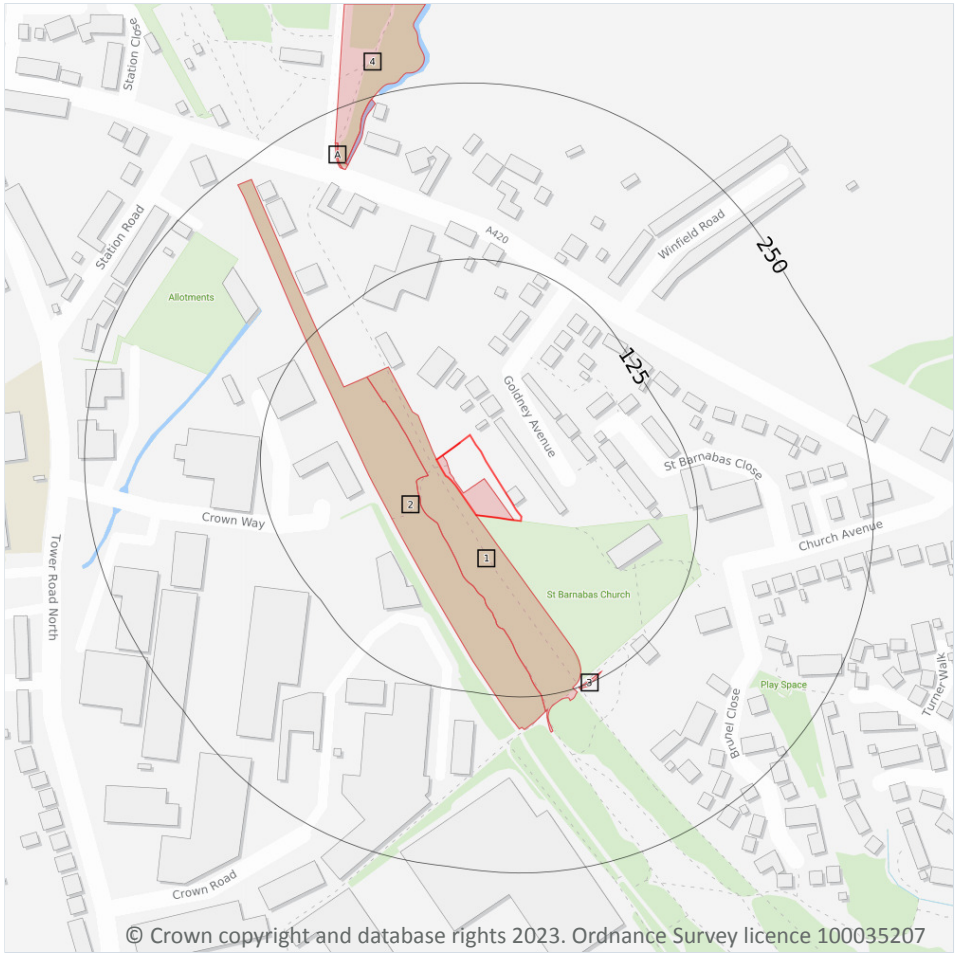
Records within 250m	1

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

Location	Reference	Scheme	Start Date	End Date
204m N	1461998	Countryside Stewardship (Middle Tier)	01/01/2023	31/12/2027

This data is sourced from Natural England.

13 Habitat designations



Site Outline

Search buffers in metres (m)

Priority Habitat Inventory
Open Mosaic Habitat
Limestone Pavement Orders

Habitat Networks

Primary Habitat
Restorable Habitat
Associated Habitats
Habitat Restoration-Creation
Network Enhancement Zone 1
Network Enhancement Zone 2

13.1 Priority Habitat Inventory

Records within 250m	6

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

Features are displayed on the Habitat designations map on **page 92 >**

ID	Location	Main Habitat	Other habitats
1	**On site**	**Deciduous woodland**	**Main habitat: DWOOD (INV > 50%)**
2	11m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
3	121m SE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
4	208m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)

ID	Location	Main Habitat	Other habitats
A	210m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
A	211m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)

This data is sourced from Natural England.

13.2 Habitat Networks

Records within 250m	0

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

This data is sourced from Natural England.

13.3 Open Mosaic Habitat

Records within 250m	0

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

This data is sourced from Natural England.

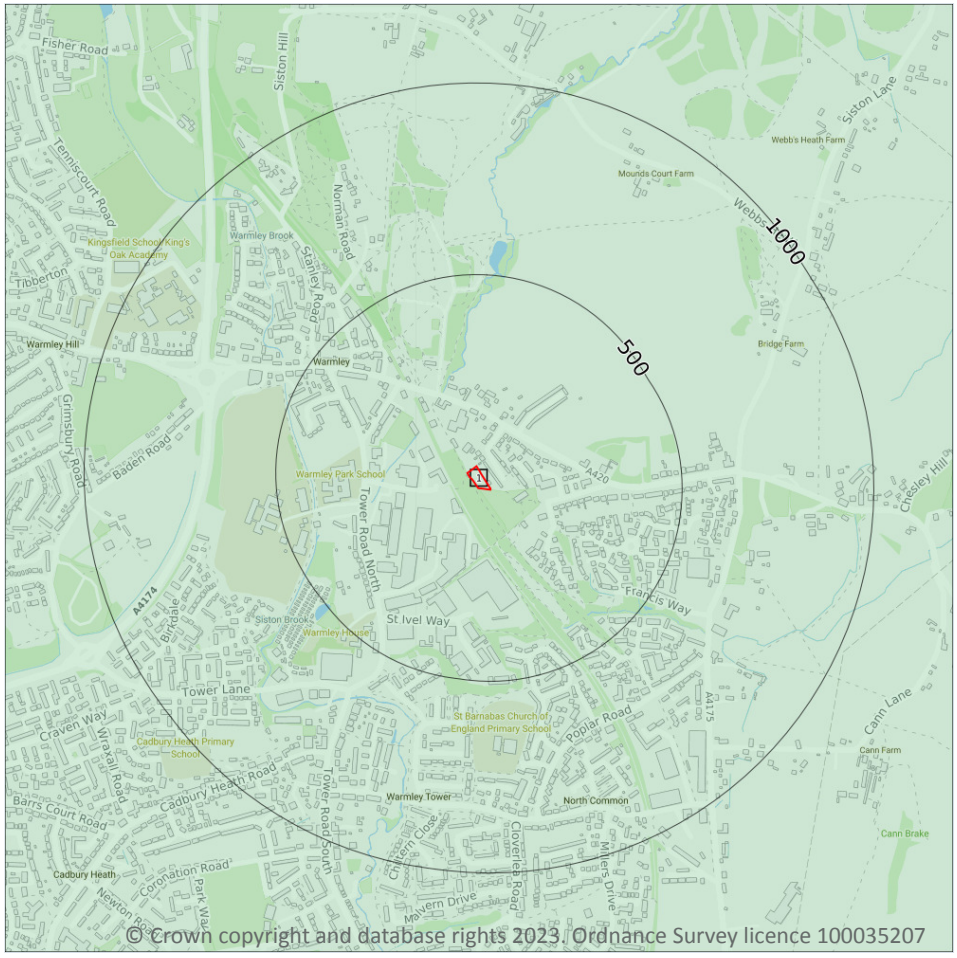
13.4 Limestone Pavement Orders

Records within 250m	0

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

This data is sourced from Natural England.

14 Geology 1:10,000 scale - Availability



Site Outline

Search buffers in metres (m)

- Full coverage
- Partial coverage
- No coverage

14.1 10k Availability

Records within 500m	1

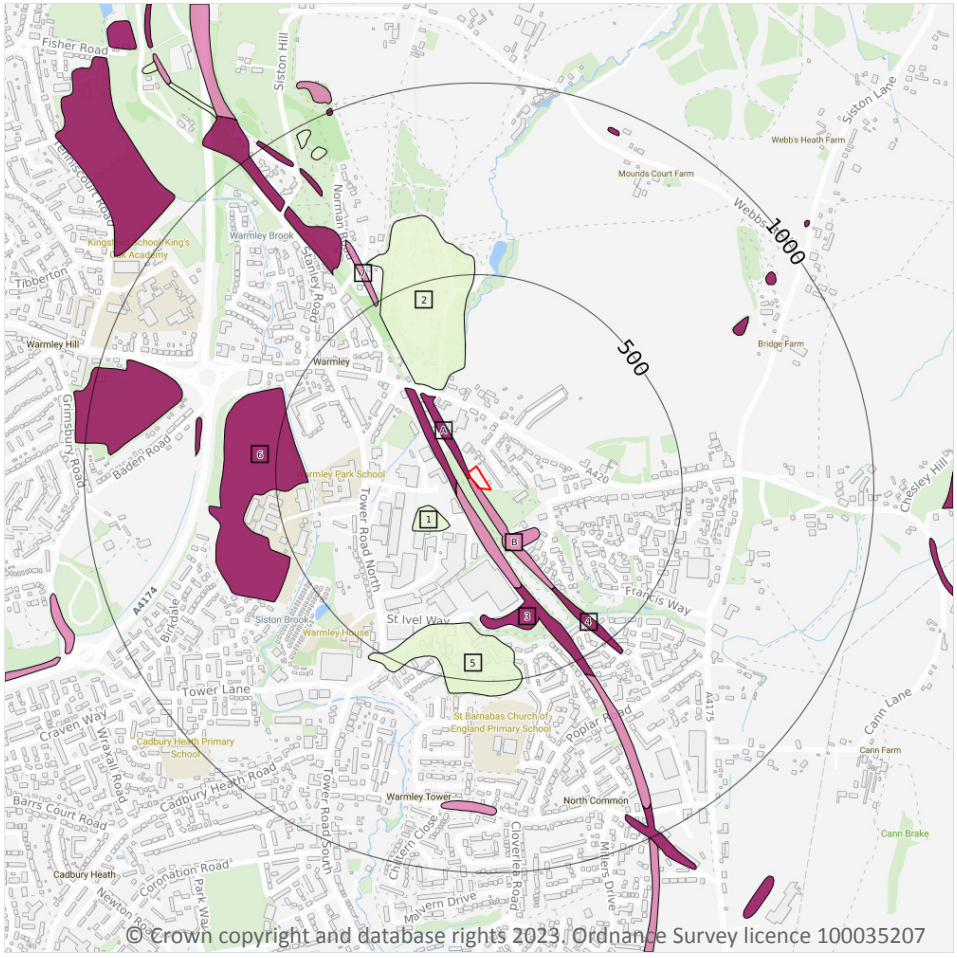
An indication on the coverage of 1:10,000 scale geology data for the site, the most detailed dataset provided by the British Geological Survey. Either 'Full', 'Partial' or 'No coverage' for each geological theme.

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

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	**On site**	**Full**	**Full**	**Full**	**Full**	**ST67SE**

This data is sourced from the British Geological Survey.

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



Site Outline

Search buffers in metres (m)

- Reclaimed ground
- Made ground
- Worked ground
- Infilled ground
- Disturbed ground
- Landscaped ground

14.2 Artificial and made ground (10k)

Records within 500m	11

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

Features are displayed on the Geology 1:10,000 scale - Artificial and made ground map on **page 95 >**

ID	Location	LEX Code	Description	Rock description
A	**On site**	**MGR-ARTDP**	**Made Ground (Undivided)**	**Artificial Deposit**
B	**On site**	**WGR-VOID**	**Worked Ground (Undivided)**	**Void**
B	35m W	WGR-VOID	Worked Ground (Undivided)	Void
A	35m W	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit

ID	Location	LEX Code	Description	Rock description
1	119m SW	WMGR-ARTDP	Infilled Ground	Artificial Deposit
2	219m N	WMGR-ARTDP	Infilled Ground	Artificial Deposit
3	257m S	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
4	303m SE	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
5	351m S	WMGR-ARTDP	Infilled Ground	Artificial Deposit
6	416m W	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
7	493m NW	WGR-VOID	Worked Ground (Undivided)	Void

This data is sourced from the British Geological Survey.

Geology 1:10,000 scale - Superficial

Site Outline

Search buffers in metres (m)

Landslip (10k)

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

14.3 Superficial geology (10k)

Records within 500m	1

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

Features are displayed on the Geology 1:10,000 scale - Superficial map on **page 97 >**

ID	Location	LEX Code	Description	Rock description
1	146m NW	ALV-XCZSV	Alluvium - Clay, Silt, Sand And Gravel	Clay, Silt, Sand And Gravel

This data is sourced from the British Geological Survey.

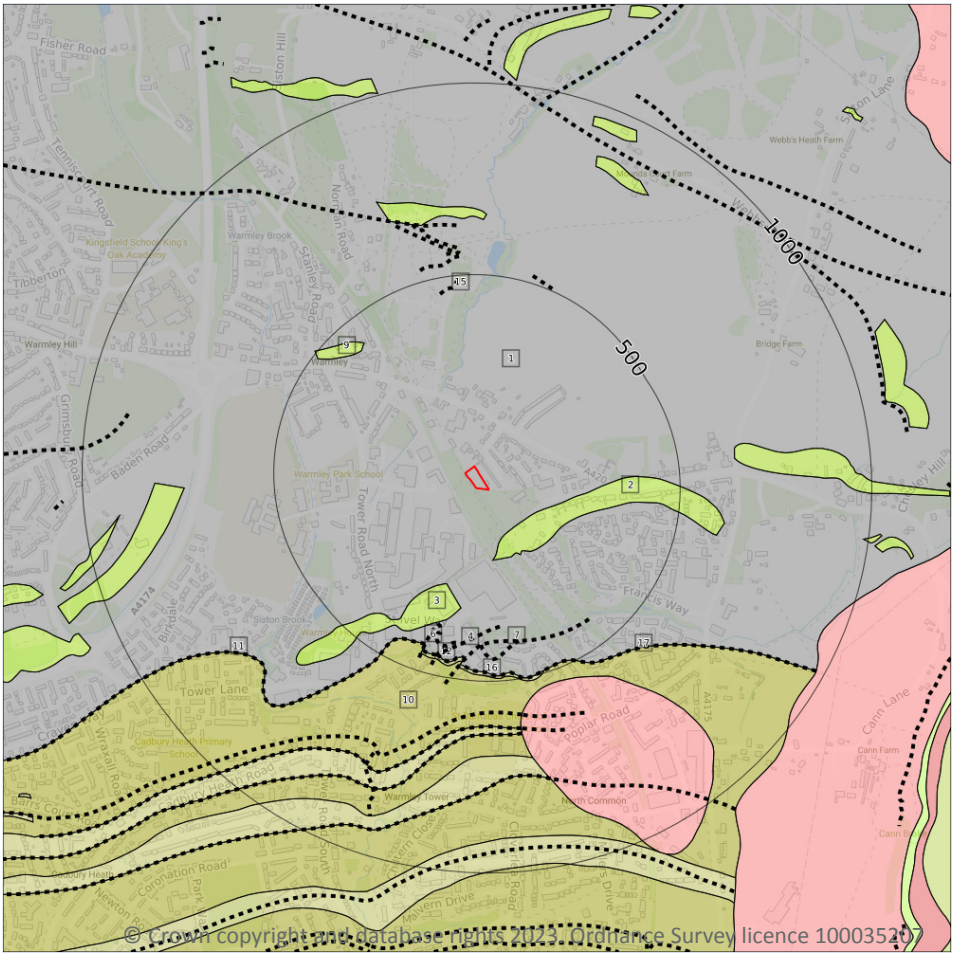
14.4 Landslip (10k)

Records within 500m	0

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

This data is sourced from the British Geological Survey.

Geology 1:10,000 scale - Bedrock



Site Outline

Search buffers in metres (m)

Bedrock faults and other linear features (10k)

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

14.5 Bedrock geology (10k)

Records within 500m **7**

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

Features are displayed on the Geology 1:10,000 scale - Bedrock map on **page 99 >**

ID	Location	LEX Code	Description	Rock age
1	**On site**	**SWMCM-MDSS**	**South Wales Middle Coal Measures Formation - Mudstone, Siltstone And Sandstone**	**Bolsovian Sub-age - Duckmantian Sub-age**
2	118m SE	SWMCM-SDST	South Wales Middle Coal Measures Formation - Sandstone	Bolsovian Sub-age - Duckmantian Sub-age

ID	Location	LEX Code	Description	Rock age
3	261m S	SWMCM-SDST	South Wales Middle Coal Measures Formation - Sandstone	Bolsovian Sub-age - Duckmantian Sub-age
9	419m NW	SWMCM-SDST	South Wales Middle Coal Measures Formation - Sandstone	Bolsovian Sub-age - Duckmantian Sub-age
10	428m S	DN-SDST	Downend Member - Sandstone	Bolsovian Sub-age
12	442m S	DN-MDST	Downend Member - Mudstone	Bolsovian Sub-age
16	462m S	DN-MDST	Downend Member - Mudstone	Bolsovian Sub-age

This data is sourced from the British Geological Survey.

14.6 Bedrock faults and other linear features (10k)

Records within 500m	**10**

Linear features at the ground or bedrock surface at 1:10,000 scale of six main types; rock, fault, fold axis, mineral vein, alteration area or landform. Features are either observed or inferred, and relate primarily to bedrock.

Features are displayed on the Geology 1:10,000 scale - Bedrock map on **page 99 >**

ID	Location	Category	Description
4	356m S	FAULT	Normal fault, inferred
5	368m S	ROCK	Coal seam, inferred
6	368m S	FAULT	Normal fault, observed
7	397m S	FAULT	Normal fault, observed
8	402m S	ROCK	Coal seam, inferred
11	428m S	ROCK	Coal seam, inferred
13	442m S	ROCK	Coal seam, inferred
14	444m S	ROCK	Coal seam, inferred
15	458m N	ROCK	Coal seam, observed
17	462m S	ROCK	Coal seam, inferred

This data is sourced from the British Geological Survey.

15 Geology 1:50,000 scale - Availability

Site Outline

Search buffers in metres (m)

Geological map tile

15.1 50k Availability

Records within 500m	1

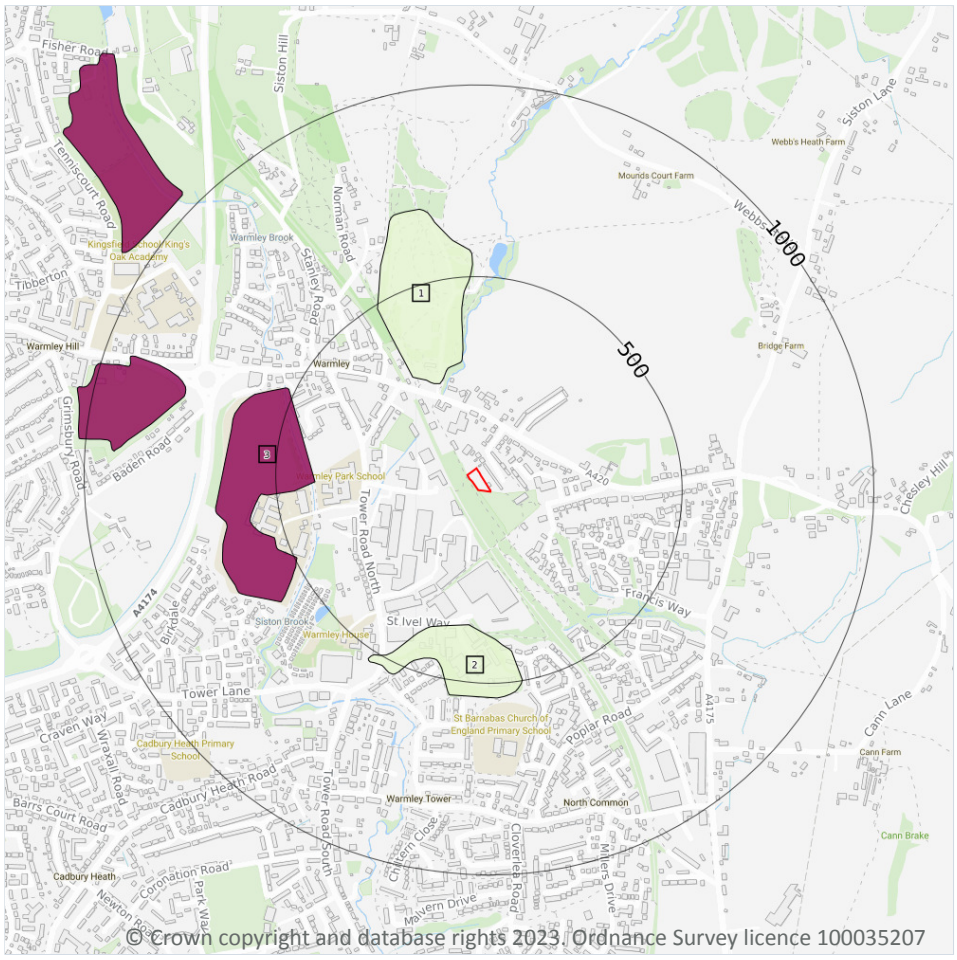
An indication on the coverage of 1:50,000 scale geology data for the site. Either 'Full' or 'No coverage' for each geological theme.

Features are displayed on the Geology 1:50,000 scale - Availability map on **page 101 >**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	**On site**	**No coverage**	**Full**	**Full**	**Full**	**EW265_bath_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 102 >**

ID	Location	LEX Code	Description	Rock description
1	241m N	WMGR-ARTDP	INFILLED GROUND	ARTIFICIAL DEPOSIT
2	351m S	WMGR-ARTDP	INFILLED GROUND	ARTIFICIAL DEPOSIT
3	398m 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 104 >**

ID	Location	LEX Code	Description	Rock description
1	146m NW	ALV-XCZSV	ALLUVIUM	CLAY, SILT, SAND AND GRAVEL

This data is sourced from the British Geological Survey.

15.5 Superficial permeability (50k)

Records within 50m	0

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).

This data is sourced from the British Geological Survey.

15.6 Landslip (50k)

Records within 500m	0

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

This data is sourced from the British Geological Survey.

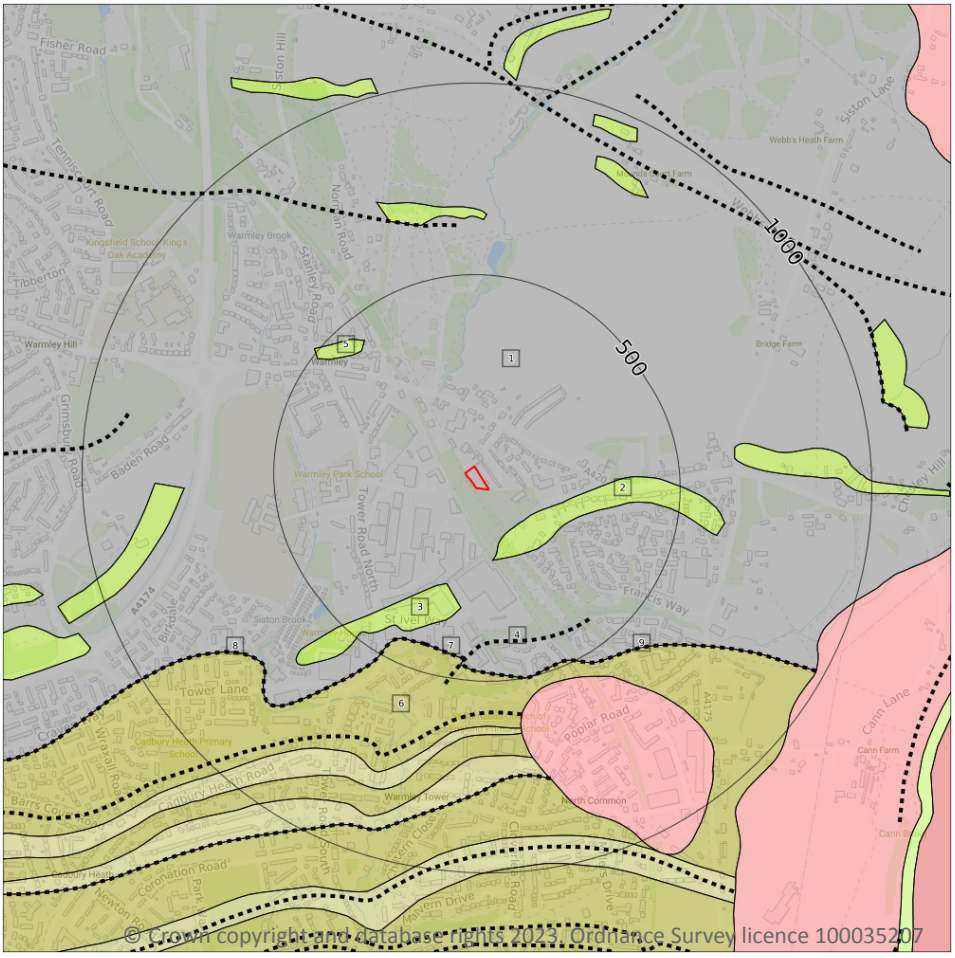
15.7 Landslip permeability (50k)

Records within 50m	0

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

This data is sourced from the British Geological Survey.

Geology 1:50,000 scale - Bedrock



Site Outline

Search buffers in metres (m)

Bedrock faults and other linear features (50k)

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

15.8 Bedrock geology (50k)

Records within 500m	5

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

Features are displayed on the Geology 1:50,000 scale - Bedrock map on **page 106 >**

ID	Location	LEX Code	Description	Rock age
1	**On site**	**SWMCM-MDSS**	**SOUTH WALES MIDDLE COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE**	**WESTPHALIAN**
2	118m SE	SWMCM-SDST	SOUTH WALES MIDDLE COAL MEASURES FORMATION - SANDSTONE	WESTPHALIAN

ID	Location	LEX Code	Description	Rock age
3	261m S	SWMCM-SDST	SOUTH WALES MIDDLE COAL MEASURES FORMATION - SANDSTONE	WESTPHALIAN
5	419m NW	SWMCM-SDST	SOUTH WALES MIDDLE COAL MEASURES FORMATION - SANDSTONE	WESTPHALIAN
6	428m S	DN-SDST	DOWNEND MEMBER - 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 **4**

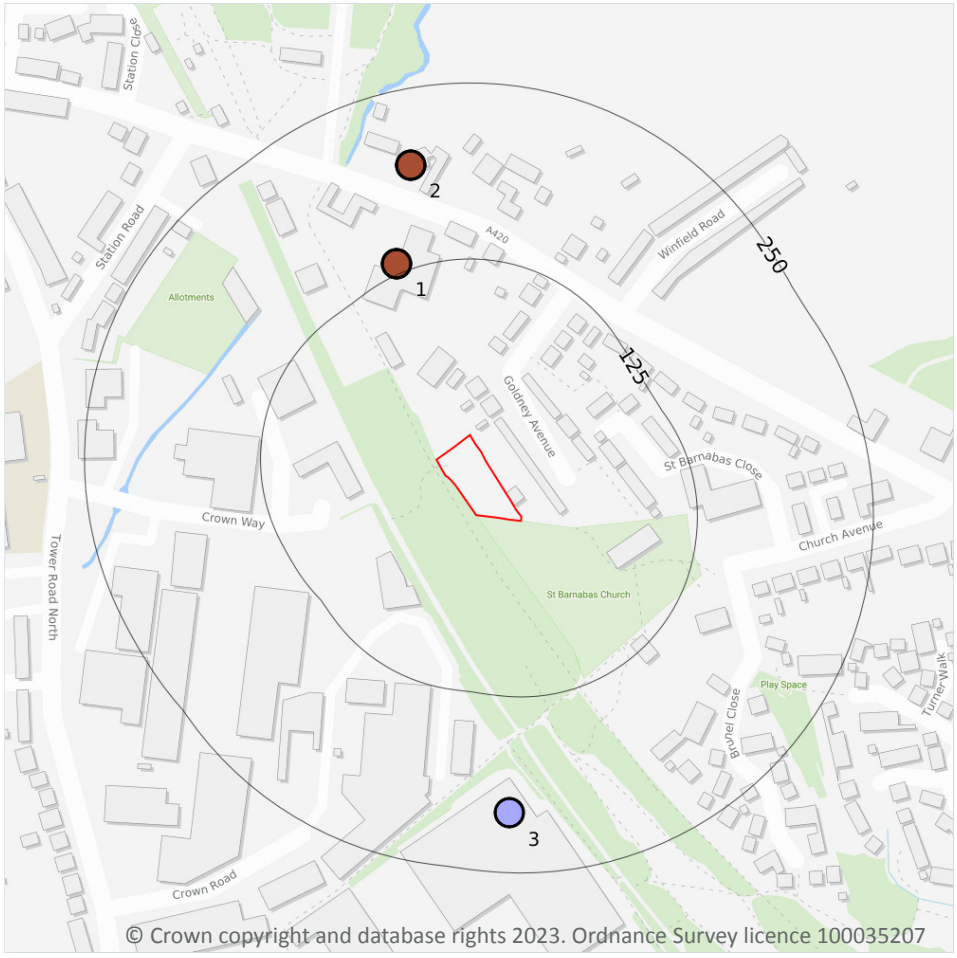
Linear features at the ground or bedrock surface at 1:50,000 scale of six main types; rock, fault, fold axis, mineral vein, alteration area or landform. Features are either observed or inferred, and relate primarily to bedrock.

Features are displayed on the Geology 1:50,000 scale - Bedrock map on **page 106 >**

ID	Location	Category	Description
4	397m S	FAULT	Fault, inferred
7	428m S	ROCK	Coal seam, inferred
8	428m S	ROCK	Coal seam, inferred
9	462m S	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	3

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.

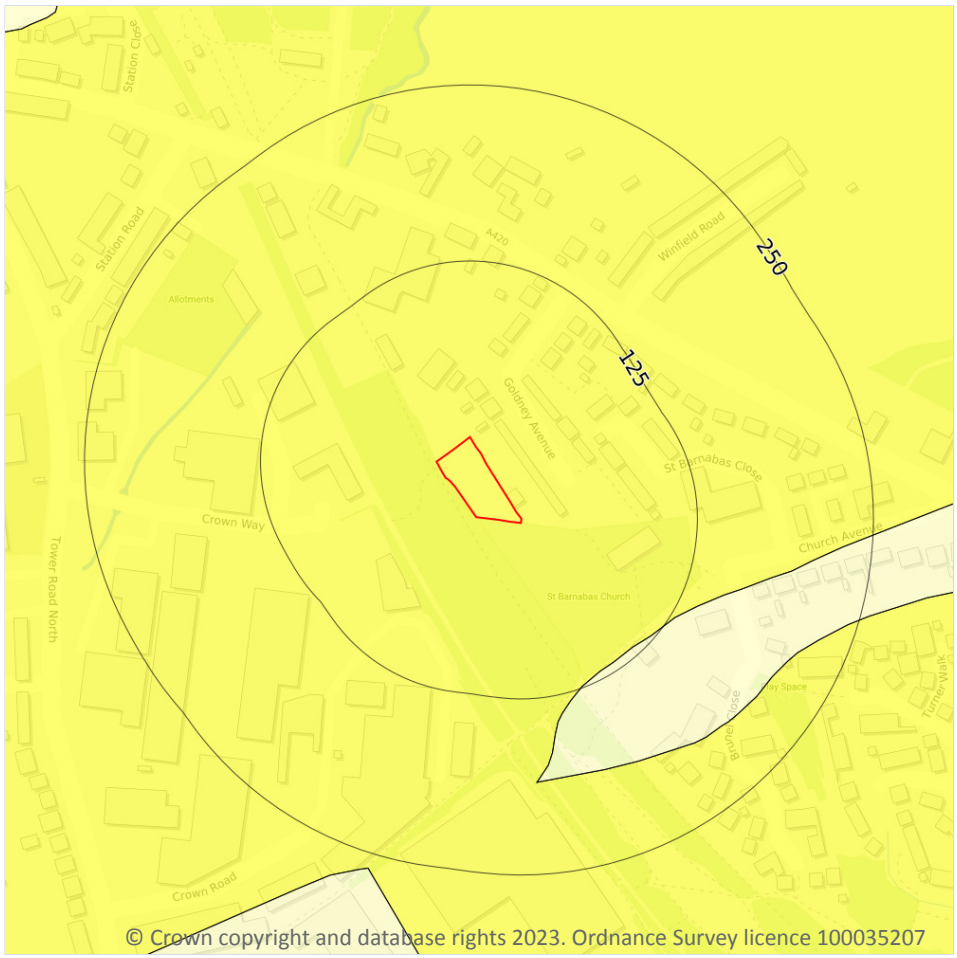
Features are displayed on the Boreholes map on **page 108 >**

ID	Location	Grid reference	Name	Length	Confidential	Web link
1	133m N	367240 173430	WARMLEY CROWN COLLIERY SOUTH PIT	-1.0	N	391010 ↗
2	196m N	367250 173500	WARMLEY CROWN COLLIERY ENGINE PIT	-1.0	N	391009 ↗

ID	Location	Grid reference	Name	Length	Confidential	Web link
3	207m S	367320 173040	MORGANS LAND WARMLEY 1	5.49	N	16023469 ↗

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

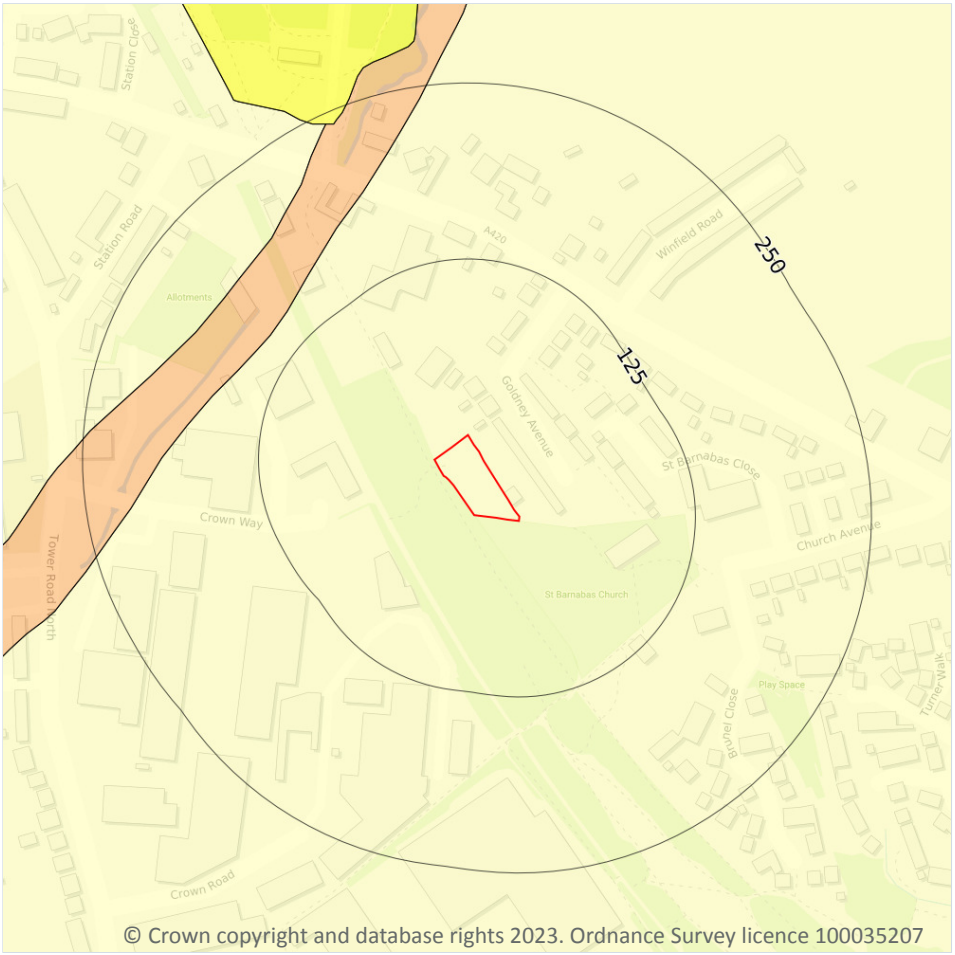
The potential hazard presented by soils that absorb water when wet (making them swell), and lose water as they dry (making them shrink). This shrink-swell behaviour is controlled by the type and amount of clay in the soil, and by seasonal changes in the soil moisture content (related to rainfall and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

Features are displayed on the Natural ground subsidence - Shrink swell clays map on **page 110 >**

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

This data is sourced from the British Geological Survey.

Natural ground subsidence - Running sands



Site Outline

Search buffers in metres (m)

- No data
- Negligible
- Very low
- Low
- Moderate
- High

17.2 Running sands

Records within 50m	1

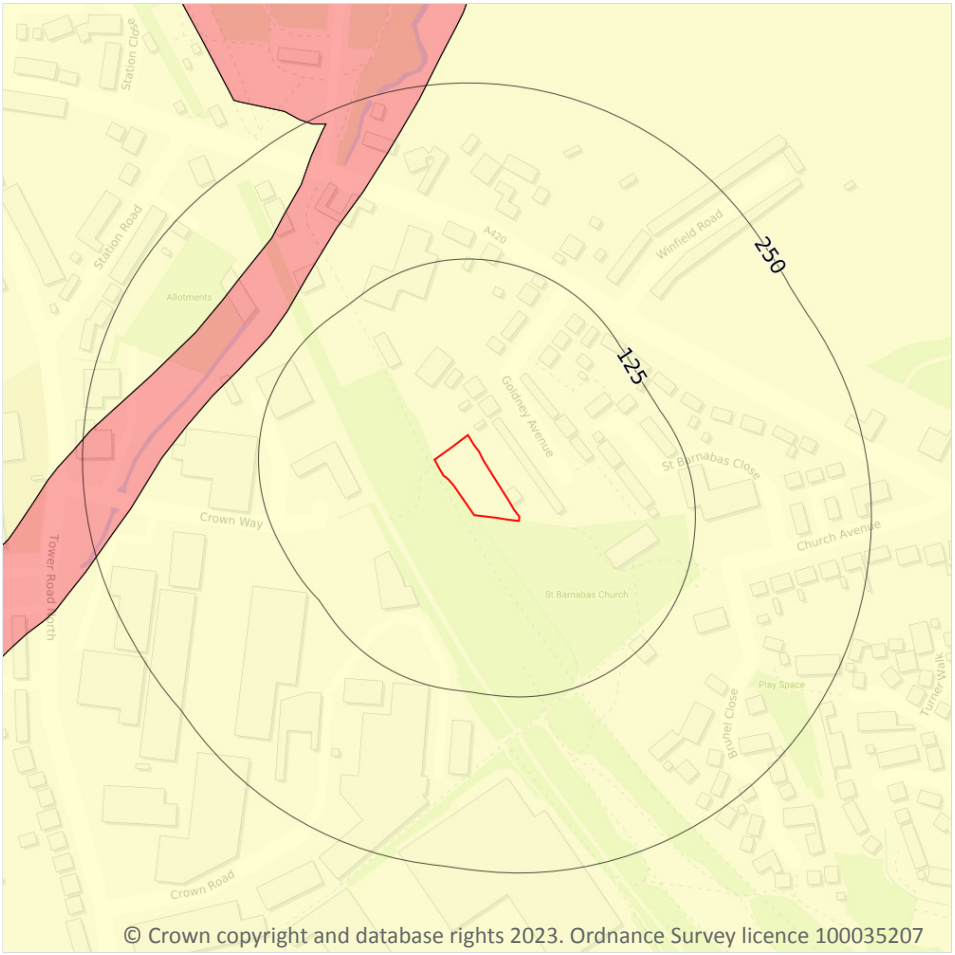
The potential hazard presented by rocks that can contain loosely-packed sandy layers that can become fluidised by water flowing through them. Such sands can 'run', removing support from overlying buildings and causing potential damage.

Features are displayed on the Natural ground subsidence - Running sands map on **page 111 >**

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

This data is sourced from the British Geological Survey.

Natural ground subsidence - Compressible deposits



Site Outline

Search buffers in metres (m)

- No data
- Negligible
- Very low
- Low
- Moderate
- High

17.3 Compressible deposits

Records within 50m	1

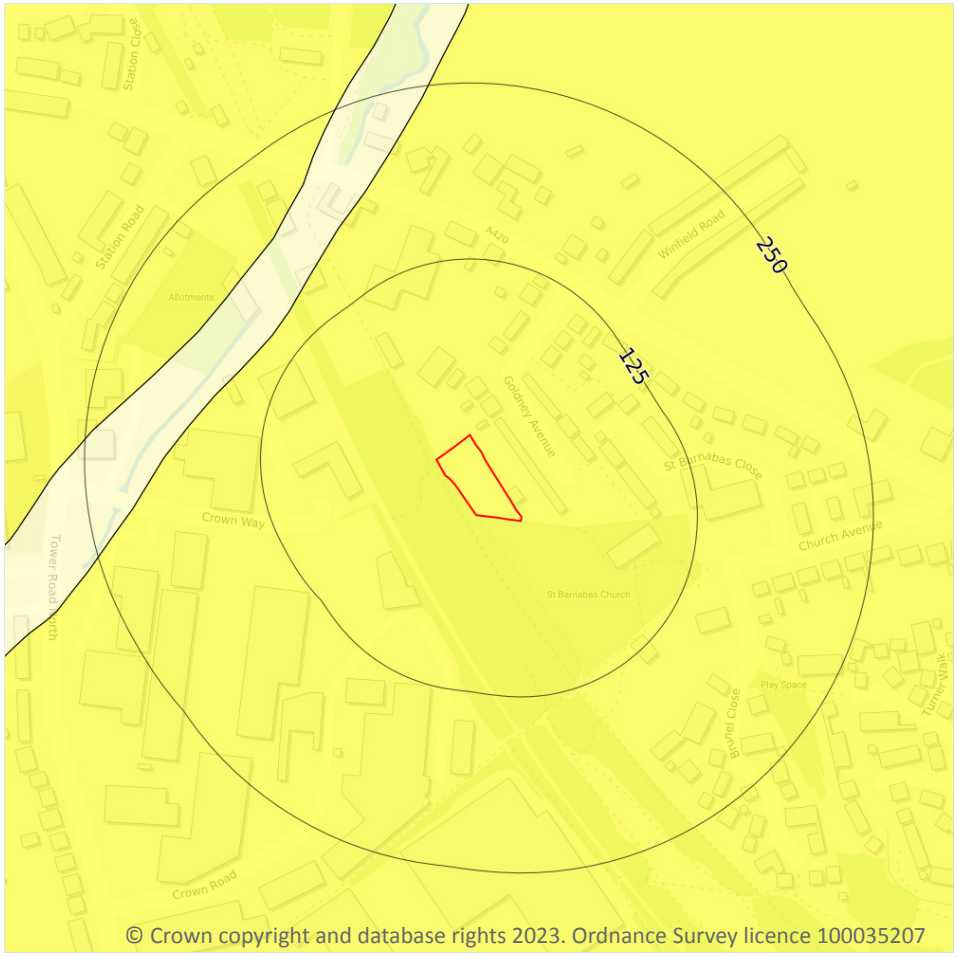
The potential hazard presented by types of ground that may contain layers of very soft materials like clay or peat and may compress if loaded by overlying structures, or if the groundwater level changes, potentially resulting in depression of the ground and disturbance of foundations.

Features are displayed on the Natural ground subsidence - Compressible deposits map on **page 112 >**

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

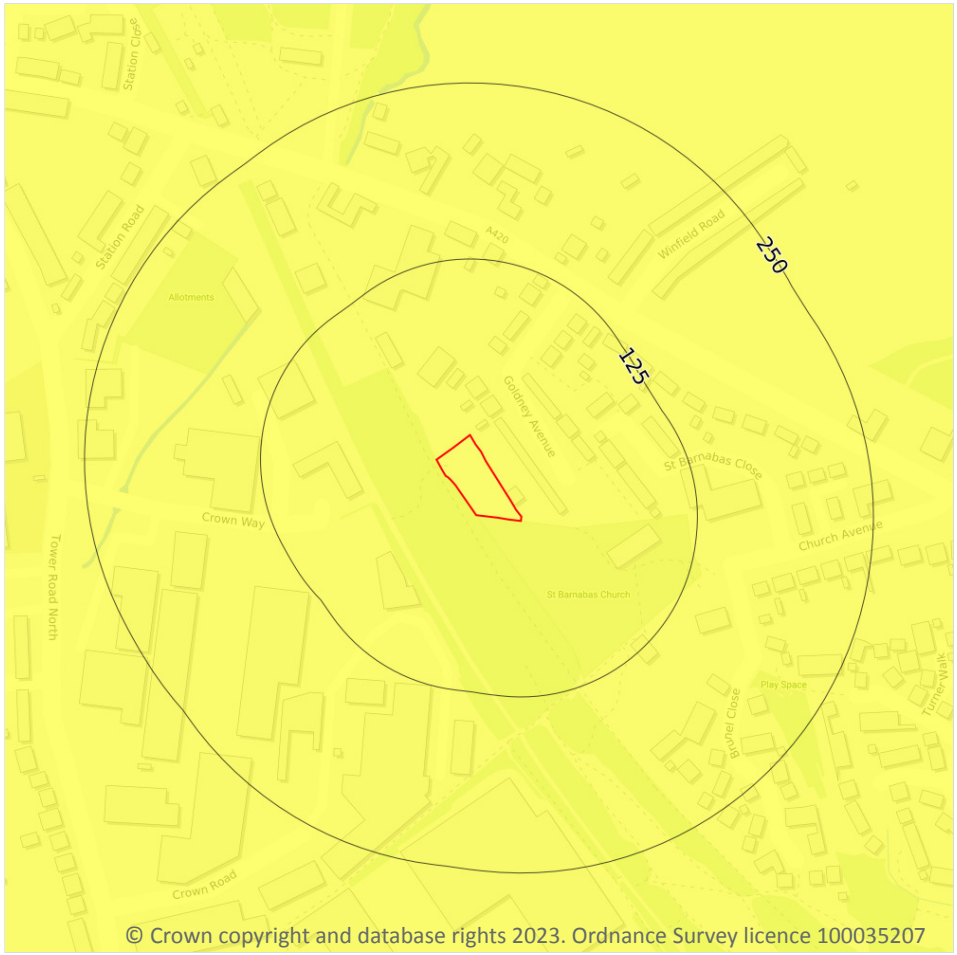
The potential hazard presented by natural deposits that could collapse when a load (such as a building) is placed on them or they become saturated with water.

Features are displayed on the Natural ground subsidence - Collapsible deposits map on **page 113 >**

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

This data is sourced from the British Geological Survey.

Natural ground subsidence - Landslides



Site Outline

Search buffers in metres (m)

- No data
- Negligible
- Very low
- Low
- Moderate
- High

17.5 Landslides

Records within 50m	1

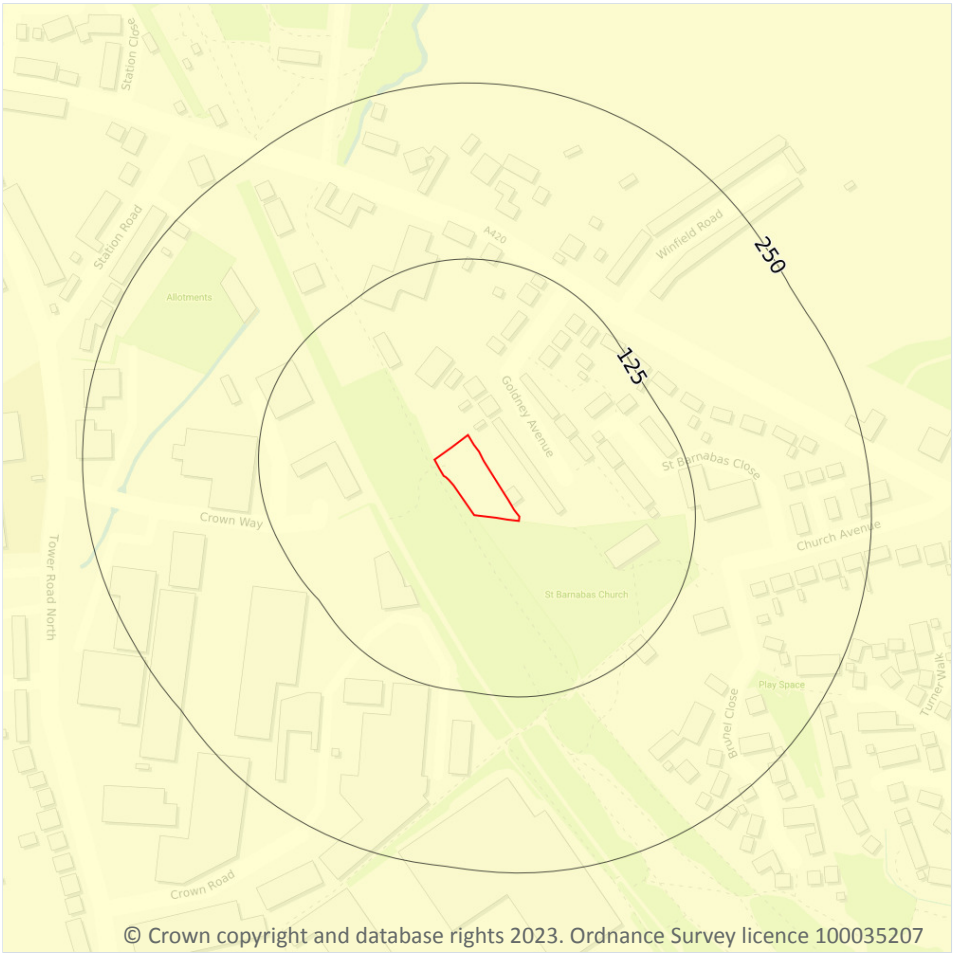
The potential for landsliding (slope instability) to be a hazard assessed using 1:50,000 scale digital maps of superficial and bedrock deposits, combined with information from the BGS National Landslide Database and scientific and engineering reports.

Features are displayed on the Natural ground subsidence - Landslides map on **page 114 >**

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

This data is sourced from the British Geological Survey.

Natural ground subsidence - Ground dissolution of soluble rocks



Site Outline

Search buffers in metres (m)

- No data
- Negligible
- Very low
- Low
- Moderate
- High

17.6 Ground dissolution of soluble rocks

Records within 50m	1

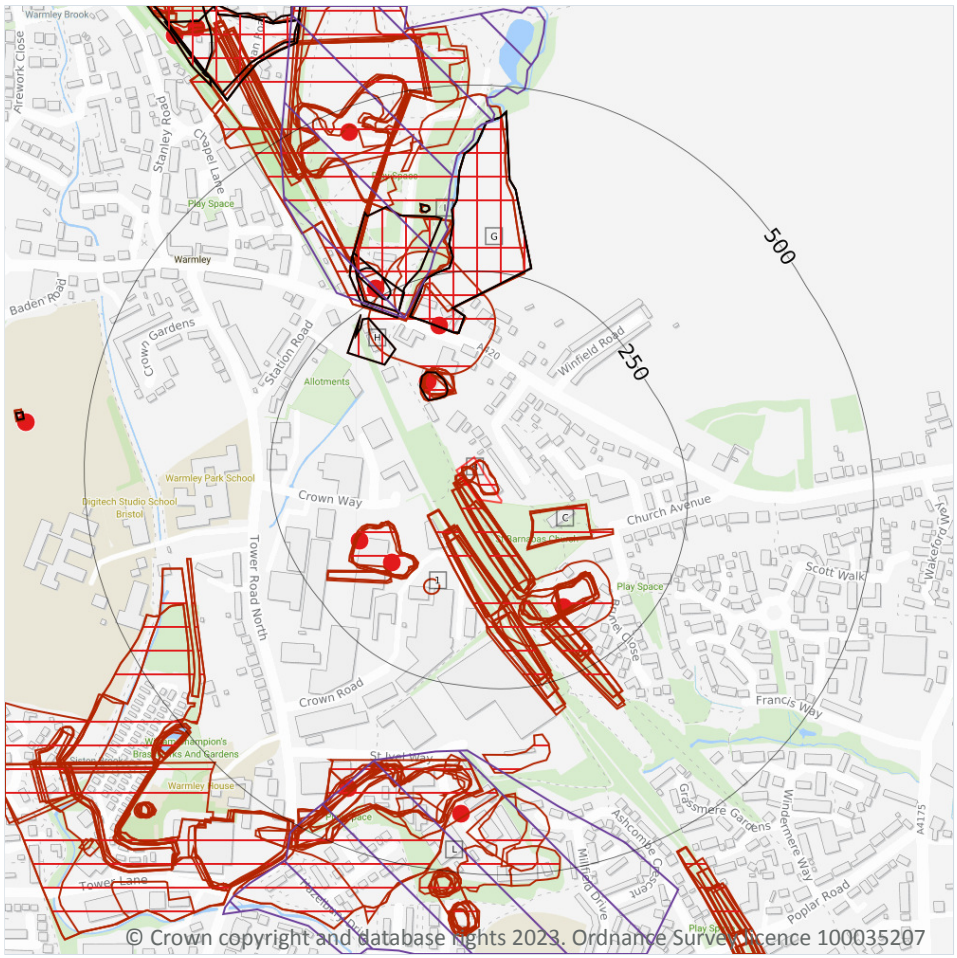
The potential hazard presented by ground dissolution, which occurs when water passing through soluble rocks produces underground cavities and cave systems. These cavities reduce support to the ground above and can cause localised collapse of the overlying rocks and deposits.

Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on **page 115 >**

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

This data is sourced from the British Geological Survey.

18 Mining and ground workings



Site Outline

Search buffers in metres (m)

- BritPits
- Surface ground workings
- Underground workings
- Underground mining extents
- Historical mineral planning areas
- TCA non-coal mining

Non Coal Mining

- Sporadic underground mining of restricted extent possible
- Localised small scale underground mining possible
- Small scale mining possible
- Underground mining known or likely within or in close proximity
- Underground mining known within or in very close proximity

18.1 BritPits

Records within 500m	9

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

Features are displayed on the Mining and ground workings map on **page 117 >**

ID	Location	Details	Description
D	119m NW	Name: Crown Colliery, South Pit Address: Warmley, Kingswood, BRISTOL, Avon Commodity: Coal, Deep Status: Ceased	Type: Working is wholly underground, access by shaft, adit or drift. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun Ee - Scots) Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
E	142m SW	Name: Crown Farm Address: Bridge Yate, BRISTOL, Avon Commodity: Clay & Shale Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
E	160m SW	Name: Crown Farm Address: Bridge Yate, BRISTOL, Avon Commodity: Clay & Shale Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
A	163m SE	Name: Bridge Yate Address: Bridge Yate, BRISTOL, Avon Commodity: Sandstone Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
F	183m N	Name: Crown Colliery, Engine Pit Address: Warmley, Kingswood, BRISTOL, Avon Commodity: Coal, Deep Status: Ceased	Type: Working is wholly underground, access by shaft, adit or drift. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun Ee - Scots) Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority

ID	Location	Details	Description
J	262m NW	Name: Crown Colliery, West Pit Address: Warmley, Kingswood, BRISTOL, Avon Commodity: Coal, Deep Status: Ceased	Type: Working is wholly underground, access by shaft, adit or drift. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun Ee - Scots) Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
3	420m S	Name: Warmley Claypit Address: Warmley, BRISTOL, Avon Commodity: Clay & Shale Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
M	424m SW	Name: Warmley Tower Address: Kingswood, BRISTOL, Avon Commodity: Sandstone Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
K	467m N	Name: Warmley Brick & Tile Works Address: Warmley, BRISTOL, Avon Commodity: Clay & Shale Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority

This data is sourced from the British Geological Survey.

18.2 Surface ground workings

Records within 250m	**100**

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

Features are displayed on the Mining and ground workings map on **page 117 >**

ID	Location	Land Use	Year of mapping	Mapping scale
A	**On site**	**Cuttings**	**1953**	**1:10560**
A	**On site**	**Cuttings**	**1921**	**1:10560**

ID	Location	Land Use	Year of mapping	Mapping scale
A	**On site**	**Cuttings**	**1938**	**1:10560**
A	**On site**	**Cuttings**	**1902**	**1:10560**
A	**On site**	**Cuttings**	**1938**	**1:10560**
A	**On site**	**Cuttings**	**1912**	**1:10560**
B	**On site**	**Unspecified Heap**	**1938**	**1:10560**
B	**On site**	**Unspecified Heap**	**1938**	**1:10560**
B	**On site**	**Unspecified Heap**	**1938**	**1:10560**
B	**On site**	**Unspecified Heap**	**1881**	**1:10560**
B	**On site**	**Unspecified Ground Workings**	**1881**	**1:10560**
B	**On site**	**Unspecified Heap**	**1912**	**1:10560**
B	**On site**	**Unspecified Heaps**	**1887**	**1:10560**
B	**On site**	**Unspecified Heaps**	**1887**	**1:10560**
A	3m S	Cuttings	1991	1:10000
A	3m S	Cuttings	1983	1:10000
A	3m S	Cuttings	1969	1:10560
A	7m S	Cuttings	1887	1:10560
A	7m S	Cuttings	1887	1:10560
A	8m W	Cuttings	1881	1:10560
C	41m SE	Grave Yard	1887	1:10560
C	41m SE	Grave Yard	1887	1:10560
C	42m SE	Grave Yard	1881	1:10560
A	45m SW	Cuttings	1938	1:10560
A	45m SW	Cuttings	1921	1:10560
A	45m SW	Cuttings	1938	1:10560
A	45m SW	Cuttings	1902	1:10560
A	46m SW	Cuttings	1953	1:10560
A	47m SW	Cuttings	1912	1:10560
A	50m SW	Cuttings	1881	1:10560

ID	Location	Land Use	Year of mapping	Mapping scale
A	51m SW	Cuttings	1887	1:10560
A	51m SW	Cuttings	1887	1:10560
A	55m S	Cuttings	1991	1:10000
A	55m S	Cuttings	1983	1:10000
A	55m S	Cuttings	1969	1:10560
D	90m N	Old Coal Pit	1912	1:10560
D	90m N	Old Coal Pit	1887	1:10560
D	90m N	Old Coal Pit	1887	1:10560
D	91m N	Old Coal Pit	1938	1:10560
D	91m N	Old Coal Pit	1938	1:10560
D	91m N	Old Coal Pit	1881	1:10560
D	93m N	Old Clay Pit	1921	1:10560
D	93m N	Old Clay Pit	1938	1:10560
D	93m N	Old Clay Pit	1902	1:10560
D	94m N	Unspecified Heap	1953	1:10560
A	109m SE	Unspecified Old Quarry	1881	1:10560
E	110m SW	Old Clay Pit	1921	1:10560
E	110m SW	Clay Pit	1938	1:10560
E	110m SW	Clay Pit	1902	1:10560
E	111m SW	Old Clay Pit	1938	1:10560
E	113m SW	Old Clay Pit	1912	1:10560
E	115m SW	Old Clay Pit	1953	1:10560
F	115m N	Disused Colliery	1921	1:10560
1	122m SW	Old Clay Pit	1902	1:10560
A	126m SE	Unspecified Old Quarry	1921	1:10560
A	126m SE	Unspecified Old Quarry	1938	1:10560
A	126m SE	Unspecified Old Quarry	1902	1:10560
A	131m SE	Unspecified Old Quarry	1887	1:10560

ID	Location	Land Use	Year of mapping	Mapping scale
A	131m SE	Unspecified Old Quarry	1887	1:10560
A	133m S	Unspecified Pit	1953	1:10560
A	133m S	Unspecified Pit	1991	1:10000
A	133m S	Unspecified Pit	1983	1:10000
A	133m S	Unspecified Pit	1969	1:10560
A	134m SE	Unspecified Old Quarry	1953	1:10560
A	135m SE	Unspecified Pit	1991	1:10000
A	135m SE	Unspecified Pit	1983	1:10000
A	136m S	Unspecified Pit	1938	1:10560
A	136m S	Unspecified Pit	1938	1:10560
A	137m SE	Unspecified Old Quarry	1938	1:10560
A	140m SE	Unspecified Old Quarry	1912	1:10560
A	147m S	Cuttings	1953	1:10560
A	147m S	Cuttings	1991	1:10000
A	147m S	Cuttings	1983	1:10000
A	148m S	Cuttings	1912	1:10560
E	152m SW	Clay Pit	1887	1:10560
E	152m SW	Clay Pit	1887	1:10560
E	152m SW	Clay Pit	1881	1:10560
F	167m N	Disused Colliery	1912	1:10560
G	168m N	Disused Colliery	1938	1:10560
G	168m N	Disused Colliery	1902	1:10560
A	169m SE	Cuttings	1953	1:10560
A	169m SE	Cuttings	1991	1:10000
A	169m SE	Cuttings	1983	1:10000
A	169m SE	Cuttings	1969	1:10560
A	169m SE	Cuttings	1887	1:10560
A	169m SE	Cuttings	1887	1:10560

ID	Location	Land Use	Year of mapping	Mapping scale
A	171m SE	Cuttings	1921	1:10560
A	171m SE	Cuttings	1938	1:10560
A	171m SE	Cuttings	1902	1:10560
H	172m NW	Disused Colliery	1902	1:10560
A	173m SE	Cuttings	1938	1:10560
A	174m SE	Cuttings	1912	1:10560
A	177m SE	Cuttings	1881	1:10560
I	199m N	Colliery	1887	1:10560
I	199m N	Colliery	1887	1:10560
J	207m N	Disused Colliery	1938	1:10560
J	207m N	Disused Colliery	1938	1:10560
J	211m NW	Refuse Heap	1969	1:10560
J	214m NW	Colliery	1881	1:10560
J	220m NW	Disused Colliery	1953	1:10560

This is data is sourced from Ordnance Survey/Groundsure.

18.3 Underground workings

Records within 1000m	**32**

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

Features are displayed on the Mining and ground workings map on **page 117 >**

ID	Location	Land Use	Year of mapping	Mapping scale
D	91m N	Old Coal Pit	1881	1:10560
G	168m N	Disused Colliery	1938	1:10560
G	168m N	Disused Colliery	1902	1:10560
H	172m NW	Disused Colliery	1902	1:10560
J	214m NW	Colliery	1881	1:10560
J	220m NW	Disused Colliery	1953	1:10560

ID	Location	Land Use	Year of mapping	Mapping scale
J	242m NW	Coal Pit	1881	1:10560
I	335m N	Old Coal Pit	1881	1:10560
X	583m NW	Disused Colliery	1921	1:10560
X	583m NW	Disused Colliery	1938	1:10560
W	585m W	Old Coal Pit	1881	1:10560
X	595m NW	Disused Colliery	1953	1:10560
X	612m NW	Colliery	1881	1:10560
-	646m W	Old Coal Pit	1921	1:10560
-	646m W	Old Coal Pit	1938	1:10560
-	646m W	Old Coal Pit	1902	1:10560
-	655m W	Old Coal Pit	1881	1:10560
-	688m W	Old Coal Pit	1921	1:10560
-	688m W	Old Coal Pit	1938	1:10560
-	688m W	Old Coal Pit	1902	1:10560
-	695m W	Old Coal Pit	1881	1:10560
-	708m S	Disused Coal Pit	1920	1:10560
-	712m S	Disused Coal Pit	1912	1:10560
-	755m S	Disused Coal Pit	1953	1:10560
-	756m NE	Drift	1938	1:10560
-	756m NE	Drift	1902	1:10560
-	756m NE	Unspecified Drift	1921	1:10560
-	758m NE	Unspecified Drift	1953	1:10560
-	789m NW	Old Colliery	1938	1:10560
-	789m NW	Old Colliery	1902	1:10560
-	911m NW	Old Colliery	1921	1:10560
-	976m W	Old Colliery	1881	1:10560

This is data is sourced from Ordnance Survey/Groundsure.

18.4 Underground mining extents

Records within 500m	0

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

This data is sourced from Groundsure.

18.5 Historical Mineral Planning Areas

Records within 500m	2

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.

Features are displayed on the Mining and ground workings map on **page 117 >**

ID	Location	Site Name	Mineral	Type	Planning Status	Planning Status Date
K	209m NW	Warmley	Clay	Surface mineral working	Valid	29/11/47
L	336m S	Warmley pottery	Clay	Surface mineral working	Valid	26/2/48

This data is sourced from the British Geological Survey.

18.6 Non-coal mining

Records within 1000m	0

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

This data is sourced from the British Geological Survey.

18.7 JPB mining areas

Records on site	0

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

This data is sourced from Johnson Poole and Bloomer.

18.8 The Coal Authority non-coal mining

Records within 500m	0

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

This data is sourced from The Coal Authority.

18.9 Researched mining

Records within 500m	20

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

Location	Mineral type
On site	**Unspecified**
36m E	Unspecified
91m N	Unspecified
118m E	Unspecified
165m NW	Unspecified
169m NW	Unspecified
176m NW	Unspecified
217m W	Unspecified
229m W	Unspecified
247m W	Unspecified
248m N	Unspecified
257m S	Unspecified
269m NW	Unspecified
294m NW	Unspecified
353m S	Stone

Location	Mineral type
375m S	Stone
411m S	Stone
457m S	Unspecified
492m W	Unspecified
499m S	Unspecified

This data is sourced from Groundsure.

18.10 Mining record office plans

Records within 500m	**0**

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

This data is sourced from Groundsure.

18.11 BGS mine plans

Records within 500m	**0**

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

This data is sourced from Groundsure.

18.12 Coal mining

Records on site	**1**

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

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

This data is sourced from the Coal Authority.

18.13 Brine areas

Records on site	0

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

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

18.14 Gypsum areas

Records on site	0

Generalised areas that may be affected by gypsum extraction.

This data is sourced from British Gypsum.

18.15 Tin mining

Records on site	0

Generalised areas that may be affected by historical tin mining.

This data is sourced from Groundsure.

18.16 Clay mining

Records on site	0

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

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

19 Ground cavities and sinkholes

19.1 Natural cavities

Records within 500m	0

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

This data is sourced from Stantec UK Ltd.

19.2 Mining cavities

Records within 1000m	0

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

This data is sourced from Stantec UK Ltd.

19.3 Reported recent incidents

Records within 500m	0

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

This data is sourced from Groundsure.

19.4 Historical incidents

Records within 500m	0

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

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

This data is sourced from Groundsure.

19.5 National karst database

Records within 500m	0

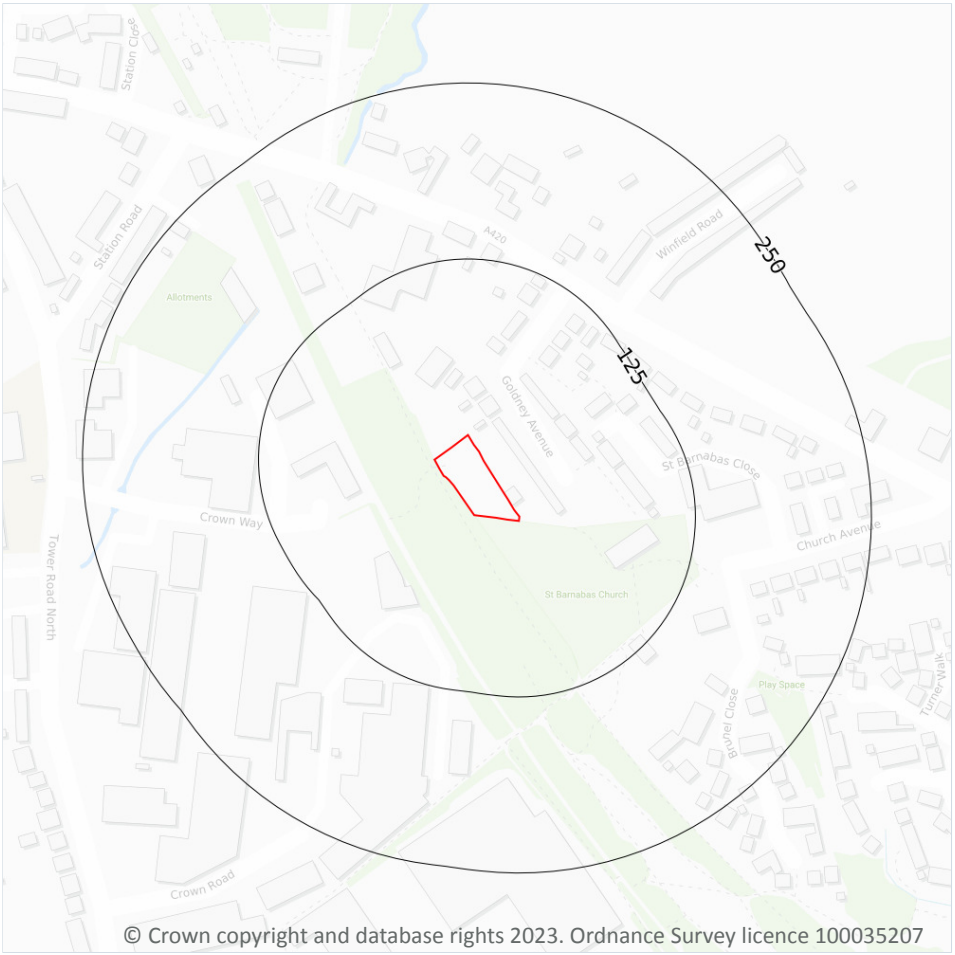
This is a comprehensive database of national karst information gathered from a wide range of sources. BGS have collected data on five main types of karst feature: Sinkholes, stream links, caves, springs, and incidences of associated damage to buildings, roads, bridges and other engineered works.

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

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

This data is sourced from the British Geological Survey.

20 Radon



Site Outline

Search buffers in metres (m)

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

20.1 Radon

Records on site	1

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

Features are displayed on the Radon map on **page 131 >**

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

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

21 Soil chemistry

21.1 BGS Estimated Background Soil Chemistry

Records within 50m	1

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

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	**25 - 35 mg/kg**	**No data**	**100 - 200 mg/kg**	**60 - 120 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**

This data is sourced from the British Geological Survey.

21.2 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 km^2).

This data is sourced from the British Geological Survey.

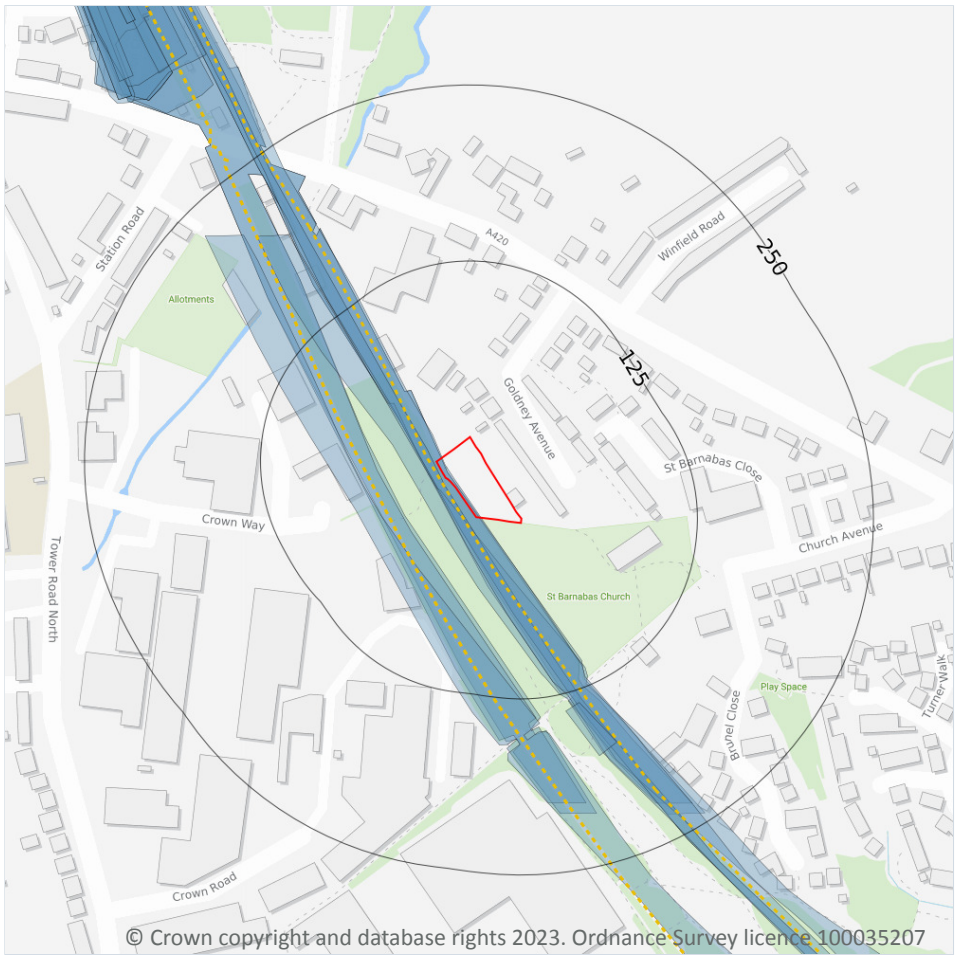
21.3 BGS Measured Urban Soil Chemistry

Records within 50m	0

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

This data is sourced from the British Geological Survey.

22 Railway infrastructure and projects



Site Outline

Search buffers in metres (m)

- Crossrail 1 Stations
- Crossrail 1 Route
- Crossrail 2 Stations
- Crossrail 2 Route
- Crossrail 2 Worksites
- Crossrail 2 Safeguarding
- Crossrail 2 Headhouses
- Railway stations
- Active railways
- Active tunnels
- Abandoned railways
- Historic railways
- Historic tunnels
- Underground stations
- Underground Lines
- Royal Mail tunnels
- HS2 optimised route
- HS2 Stations
- HS2 Depots
- HS2 Surface Safeguarding
- HS2 Subsurface Safeguarding

22.1 Underground railways (London)

Records within 250m	0

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

This data is sourced from publicly available information by Groundsure.

22.2 Underground railways (Non-London)

Records within 250m	0

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

This data is sourced from publicly available information by Groundsure.

22.3 Railway tunnels

Records within 250m	0

Railway tunnels taken from contemporary Ordnance Survey mapping.

This data is sourced from the Ordnance Survey.

22.4 Historical railway and tunnel features

Records within 250m	8

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 134 >**

Location	Land Use	Year of mapping	Mapping scale
On site	**Railway**	**1903**	**-**
On site	**Railway**	**1881**	**-**
On site	**Old Tramway Sidings**	**1912**	**10560**
2m NW	Old Tramway Sidings	1903	2500
2m NW	Old Tramway Sidings	1915	2500
8m S	Railway	1882	-
53m W	Railway	1882	-
134m SE	Old Tramway Sidings	1881	10560

This data is sourced from Ordnance Survey/Groundsure.

22.5 Royal Mail tunnels

Records within 250m	0

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

This data is sourced from Groundsure/the Postal Museum.

22.6 Historical railways

Records within 250m	6

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 134 >**

Location	Description
4m W	Abandoned
48m W	Abandoned
48m W	Historic
145m NW	Abandoned
188m NW	Abandoned
212m SE	Abandoned

This data is sourced from OpenStreetMap.

22.7 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.

22.8 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.

22.9 Crossrail 2

Records within 500m	0

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

This data is sourced from publicly available information by Groundsure.

22.10 HS2

Records within 500m	0

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

This data is sourced from HS2 ltd.

Data providers

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

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