

146, BAMFORD ROAD, HEYWOOD, ROCHDALE, OL10 4TF

Order Details

Date: 15/10/2024
Your ref: Campbell
Our Ref: GS-HFN-OJV-GML-TGI

Site Details

Location: 385522 411155
Area: 0.05 ha
Authority: [Rochdale Metropolitan Borough Council](#) ↗



[Summary of findings](#)

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[OS MasterMap site plan](#)

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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 >	0	0	18	76	-
19 >	1.2 >	Historical tanks >	0	0	5	32	-
21 >	1.3 >	Historical energy features >	0	0	5	14	-
22	1.4	Historical petrol stations	0	0	0	0	-
22 >	1.5 >	Historical garages >	0	0	4	5	-
23	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
24 >	2.1 >	Historical industrial land uses >	0	0	22	97	-
29 >	2.2 >	Historical tanks >	0	0	15	62	-
32 >	2.3 >	Historical energy features >	0	0	11	45	-
34	2.4	Historical petrol stations	0	0	0	0	-
34 >	2.5 >	Historical garages >	0	0	5	8	-
Page	Section	Waste and landfill >	On site	0-50m	50-250m	250-500m	500-2000m
36	3.1	Active or recent landfill	0	0	0	0	-
36 >	3.2 >	Historical landfill (BGS records) >	0	0	0	1	-
37 >	3.3 >	Historical landfill (LA/mapping records) >	0	0	0	2	-
37 >	3.4 >	Historical landfill (EA/NRW records) >	0	0	0	3	-
38 >	3.5 >	Historical waste sites >	0	0	0	5	-
39 >	3.6 >	Licensed waste sites >	0	0	0	5	-
41 >	3.7 >	Waste exemptions >	0	0	0	10	-
Page	Section	Current industrial land use >	On site	0-50m	50-250m	250-500m	500-2000m
42 >	4.1 >	Recent industrial land uses >	0	1	5	-	-
43 >	4.2 >	Current or recent petrol stations >	0	0	1	0	-
43	4.3	Electricity cables	0	0	0	0	-
43	4.4	Gas pipelines	0	0	0	0	-
44	4.5	Sites determined as Contaminated Land	0	0	0	0	-



44	4.6	Control of Major Accident Hazards (COMAH)	0	0	0	0	-
44	4.7	Regulated explosive sites	0	0	0	0	-
44	4.8	Hazardous substance storage/usage	0	0	0	0	-
44	4.9	Historical licensed industrial activities (IPC)	0	0	0	0	-
45	4.10	Licensed industrial activities (Part A(1))	0	0	0	0	-
45 >	4.11 >	<u>Licensed pollutant release (Part A(2)/B) ></u>	0	0	1	1	-
45	4.12	Radioactive Substance Authorisations	0	0	0	0	-
45 >	4.13 >	<u>Licensed Discharges to controlled waters ></u>	0	0	0	5	-
46	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
47	4.15	Pollutant release to public sewer	0	0	0	0	-
47	4.16	List 1 Dangerous Substances	0	0	0	0	-
47	4.17	List 2 Dangerous Substances	0	0	0	0	-
47 >	4.18 >	<u>Pollution Incidents (EA/NRW) ></u>	0	0	0	11	-
49	4.19	Pollution inventory substances	0	0	0	0	-
49	4.20	Pollution inventory waste transfers	0	0	0	0	-
49	4.21	Pollution inventory radioactive waste	0	0	0	0	-
Page	Section	<u>Hydrogeology ></u>	On site	0-50m	50-250m	250-500m	500-2000m
50 >	5.1 >	<u>Superficial aquifer ></u>	Identified (within 500m)				
52 >	5.2 >	<u>Bedrock aquifer ></u>	Identified (within 500m)				
53 >	5.3 >	<u>Groundwater vulnerability ></u>	Identified (within 50m)				
54	5.4	Groundwater vulnerability- soluble rock risk	None (within 0m)				
54	5.5	Groundwater vulnerability- local information	None (within 0m)				
55 >	5.6 >	<u>Groundwater abstractions ></u>	0	0	0	0	20
61 >	5.7 >	<u>Surface water abstractions ></u>	0	0	0	0	12
64	5.8	Potable abstractions	0	0	0	0	0
64	5.9	Source Protection Zones	0	0	0	0	-
64	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-
Page	Section	<u>Hydrology ></u>	On site	0-50m	50-250m	250-500m	500-2000m
65	6.1	Water Network (OS MasterMap)	0	0	0	-	-



65	6.2	Surface water features	0	0	0	-	-
66 >	6.3 >	WFD Surface water body catchments >	1	-	-	-	-
66 >	6.4 >	WFD Surface water bodies >	0	0	0	-	-
67 >	6.5 >	WFD Groundwater bodies >	1	-	-	-	-
Page	Section	River and coastal flooding	On site	0-50m	50-250m	250-500m	500-2000m
68	7.1	Risk of flooding from rivers and the sea	None (within 50m)				
68	7.2	Historical Flood Events	0	0	0	-	-
68	7.3	Flood Defences	0	0	0	-	-
69	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
69	7.5	Flood Storage Areas	0	0	0	-	-
70	7.6	Flood Zone 2	None (within 50m)				
70	7.7	Flood Zone 3	None (within 50m)				
Page	Section	Surface water flooding >					
71 >	8.1 >	Surface water flooding >	1 in 30 year, 0.3m - 1.0m (within 50m)				
Page	Section	Groundwater flooding >					
73 >	9.1 >	Groundwater flooding >	Moderate (within 50m)				
Page	Section	Environmental designations >	On site	0-50m	50-250m	250-500m	500-2000m
74	10.1	Sites of Special Scientific Interest (SSSI)	0	0	0	0	0
75	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
75	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
75	10.4	Special Protection Areas (SPA)	0	0	0	0	0
75	10.5	National Nature Reserves (NNR)	0	0	0	0	0
76	10.6	Local Nature Reserves (LNR)	0	0	0	0	0
76 >	10.7 >	Designated Ancient Woodland >	0	0	0	0	11
77	10.8	Biosphere Reserves	0	0	0	0	0
77	10.9	Forest Parks	0	0	0	0	0
77	10.10	Marine Conservation Zones	0	0	0	0	0
77 >	10.11 >	Green Belt >	0	0	0	1	1
78	10.12	Proposed Ramsar sites	0	0	0	0	0



78	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
78	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
78	10.15	Nitrate Sensitive Areas	0	0	0	0	0
79	10.16	Nitrate Vulnerable Zones	0	0	0	0	0
80 >	10.17 >	SSSI Impact Risk Zones >	1	-	-	-	-
81	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
82	11.1	World Heritage Sites	0	0	0	-	-
82	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
82	11.3	National Parks	0	0	0	-	-
82	11.4	Listed Buildings	0	0	0	-	-
83	11.5	Conservation Areas	0	0	0	-	-
83	11.6	Scheduled Ancient Monuments	0	0	0	-	-
83	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	Agricultural designations >	On site	0-50m	50-250m	250-500m	500-2000m
84 >	12.1 >	Agricultural Land Classification >	Urban (within 250m)				
85	12.2	Open Access Land	0	0	0	-	-
85	12.3	Tree Felling Licences	0	0	0	-	-
85	12.4	Environmental Stewardship Schemes	0	0	0	-	-
85	12.5	Countryside Stewardship Schemes	0	0	0	-	-
Page	Section	Habitat designations >	On site	0-50m	50-250m	250-500m	500-2000m
86	13.1	Priority Habitat Inventory	0	0	0	-	-
86	13.2	Habitat Networks	0	0	0	-	-
87 >	13.3 >	Open Mosaic Habitat >	0	1	0	-	-
87	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
88 >	14.1 >	10k Availability >	Identified (within 500m)				
89 >	14.2 >	Artificial and made ground (10k) >	0	0	4	3	-
91 >	14.3 >	Superficial geology (10k) >	1	1	0	3	-

92 >	14.4 >	Landslip (10k) >	0	0	0	2	-
93 >	14.5 >	Bedrock geology (10k) >	1	2	2	4	-
94 >	14.6 >	Bedrock faults and other linear features (10k) >	0	1	1	1	-
Page	Section	Geology 1:50,000 scale >	On site	0-50m	50-250m	250-500m	500-2000m
95 >	15.1 >	50k Availability >	Identified (within 500m)				
96	15.2	Artificial and made ground (50k)	0	0	0	0	-
96	15.3	Artificial ground permeability (50k)	0	0	-	-	-
97 >	15.4 >	Superficial geology (50k) >	1	1	0	2	-
98 >	15.5 >	Superficial permeability (50k) >	Identified (within 50m)				
98 >	15.6 >	Landslip (50k) >	0	0	0	2	-
98	15.7	Landslip permeability (50k)	None (within 50m)				
99 >	15.8 >	Bedrock geology (50k) >	1	0	2	1	-
100 >	15.9 >	Bedrock permeability (50k) >	Identified (within 50m)				
100 >	15.10 >	Bedrock faults and other linear features (50k) >	0	1	1	1	-
Page	Section	Boreholes >	On site	0-50m	50-250m	250-500m	500-2000m
101 >	16.1 >	BGS Boreholes >	0	0	6	-	-
Page	Section	Natural ground subsidence >					
103 >	17.1 >	Shrink swell clays >	Very low (within 50m)				
104 >	17.2 >	Running sands >	Very low (within 50m)				
105 >	17.3 >	Compressible deposits >	Negligible (within 50m)				
106 >	17.4 >	Collapsible deposits >	Very low (within 50m)				
107 >	17.5 >	Landslides >	Very low (within 50m)				
108 >	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
110	18.1	BritPits	0	0	0	0	-
111 >	18.2 >	Surface ground workings >	0	0	14	-	-
111	18.3	Underground workings	0	0	0	0	0
112	18.4	Underground mining extents	0	0	0	0	-
112	18.5	Historical Mineral Planning Areas	0	0	0	0	-



112	18.6	Non-coal mining	0	0	0	0	0
112	18.7	JPB mining areas	None (within 0m)				
112	18.8	The Coal Authority non-coal mining	0	0	0	0	-
113	18.9	Researched mining	0	0	0	0	-
113	18.10	Mining record office plans	0	0	0	0	-
113	18.11	BGS mine plans	0	0	0	0	-
113 >	18.12 >	Coal mining >	Identified (within 0m)				
114	18.13	Brine areas	None (within 0m)				
114	18.14	Gypsum areas	None (within 0m)				
114	18.15	Tin mining	None (within 0m)				
114	18.16	Clay mining	None (within 0m)				
Page	Section	Ground cavities and sinkholes	On site	0-50m	50-250m	250-500m	500-2000m
115	19.1	Natural cavities	0	0	0	0	-
115	19.2	Mining cavities	0	0	0	0	0
115	19.3	Reported recent incidents	0	0	0	0	-
115	19.4	Historical incidents	0	0	0	0	-
116	19.5	National karst database	0	0	0	0	-
Page	Section	Radon >					
117 >	20.1 >	Radon >	Less than 1% (within 0m)				
Page	Section	Soil chemistry >	On site	0-50m	50-250m	250-500m	500-2000m
119 >	21.1 >	BGS Estimated Background Soil Chemistry >	1	2	-	-	-
119	21.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
119	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
120	22.1	Underground railways (London)	0	0	0	-	-
120	22.2	Underground railways (Non-London)	0	0	0	-	-
121	22.3	Railway tunnels	0	0	0	-	-
121 >	22.4 >	Historical railway and tunnel features >	0	0	2	-	-
121	22.5	Royal Mail tunnels	0	0	0	-	-



121	22.6	Historical railways	0	0	0	-	-
122	22.7	Railways	0	0	0	-	-
122	22.8	Crossrail 1	0	0	0	0	-
122	22.9	Crossrail 2	0	0	0	0	-
122	22.10	HS2	0	0	0	0	-

Recent aerial photograph



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Capture Date: 07/04/2023

Site Area: 0.05ha



Recent site history - 2019 aerial photograph



Capture Date: 23/05/2019

Site Area: 0.05ha



Recent site history - 2011 aerial photograph



Capture Date: 02/05/2011

Site Area: 0.05ha



Recent site history - 2000 aerial photograph



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Capture Date: 19/06/2000

Site Area: 0.05ha



Recent site history - 1999 aerial photograph



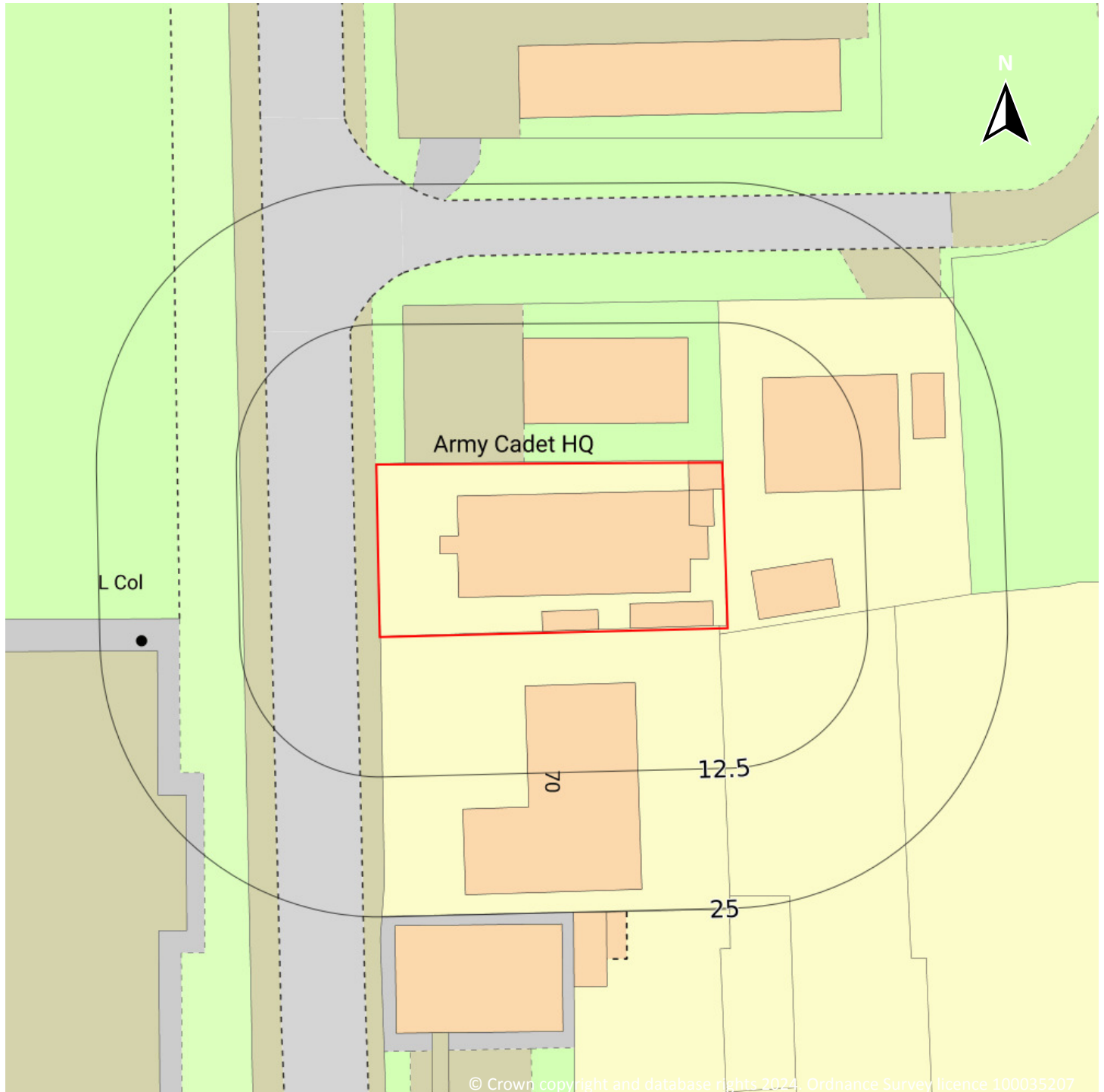
Aerial photography supplied by Getmapping PLC. © Copyright Getmapping PLC 2024. All Rights Reserved

Capture Date: 10/09/1999

Site Area: 0.05ha



OS MasterMap site plan



Site Area: 0.05ha



1 Past land use



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

1.1 Historical industrial land uses

Records within 500m

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

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

ID	Location	Land use	Dates present	Group ID
A	92m SW	Cotton Mills	1890	673102



ID	Location	Land use	Dates present	Group ID
A	128m S	Unspecified Mill	1956	777361
A	143m SW	Cotton Mill	1851	801357
A	151m SW	Unspecified Mill	1938	729476
A	177m SW	Unspecified Mill	1987 - 1992	713206
A	188m SW	Cotton Mill	1851	775354
A	197m SW	Unspecified Works	1968 - 1975	726964
A	200m S	Unspecified Mill	1928	763690
A	210m S	Unspecified Commercial/Industrial	1851	670449
A	210m SW	Unspecified Tank	1968 - 1975	745949
A	210m SW	Unspecified Tank	1956	779549
C	213m SE	Cotton Mills	1890	673103
A	226m S	Constabulary Station	1851	654469
A	230m SW	Filter Beds	1909	685188
A	234m SW	Unspecified Tanks	1909	666660
3	239m W	Unspecified Ground Workings	1992	660843
A	246m SW	Unspecified Mill	1928 - 1938	735176
A	249m SW	Unspecified Mill	1909	715552
A	255m SW	Unspecified Tanks	1968 - 1992	766839
C	261m SE	Unspecified Commercial/Industrial	1968	670450
C	261m SE	Unspecified Mill	1956	711928
C	262m SE	Unspecified Mill	1975 - 1992	735480
D	263m N	Unspecified Works	1968	683060
C	264m SE	Unspecified Mill	1909 - 1928	713239
C	265m SE	Unspecified Mill	1938	779925
D	267m N	Unspecified Disused Mill	1956	658148
C	268m E	Unspecified Disused Mill	1890	658158
C	272m E	Unspecified Mill	1928	797465
C	272m E	Unspecified Mill	1909	797593



ID	Location	Land use	Dates present	Group ID
C	287m SE	Unspecified Ground Workings	1968	660846
E	289m E	Refuse Heap	1909	656083
D	289m N	Unspecified Mill	1975	799496
D	295m N	Unspecified Mill	1987 - 1992	781559
D	305m N	Unspecified Mill	1928 - 1938	793811
D	315m N	Cotton Mill	1890 - 1908	742920
D	315m N	Unspecified Mill	1968	798912
E	320m E	Unspecified Ground Workings	1938	660844
G	337m SE	Unspecified Mill	1928	777950
G	338m SE	Unspecified Mill	1909	781527
G	346m SE	Unspecified Commercial/Industrial	1968	670451
G	346m SE	Unspecified Mill	1956	760575
5	354m S	Unspecified Commercial/Industrial	1851	670468
G	355m SE	Cotton Mill	1851	654665
G	359m SE	Unspecified Mill	1928	757882
6	359m S	Cotton Mill	1851	654679
G	361m SE	Unspecified Mill	1992	801642
G	362m SE	Unspecified Mill	1975 - 1987	729592
G	362m SE	Unspecified Mill	1938	748709
8	366m S	Grave Yard	1851	663395
9	370m N	Refuse Heap	1928	655998
D	375m N	Refuse Heap	1908	655999
D	376m N	Unspecified Ground Workings	1890	660698
D	390m N	Refuse Heap	1956	763818
H	394m NW	Unspecified Commercial/Industrial	1956	746476
D	394m N	Refuse Heap	1968 - 1975	787688
H	396m N	Unspecified Commercial/Industrial	1928 - 1938	758169
H	396m N	Gas Works	1851 - 1890	773347



ID	Location	Land use	Dates present	Group ID
H	410m NW	Unspecified Pit	1956	675379
H	413m NW	Gas Works	1908	770919
I	415m N	Railway Sidings	1928 - 1938	748132
H	415m NW	Unspecified Mills	1968 - 1975	799053
I	423m N	Railway Sidings	1956	772707
J	427m S	Unspecified Warehouse	1987 - 1992	776431
J	427m S	Unspecified Commercial/Industrial	1956	729325
K	428m SE	Unspecified Mill	1890	673356
J	428m S	Rope Walk	1851	691256
J	428m S	Unspecified Commercial/Industrial	1975	799580
L	434m SE	Unspecified Works	1987	683113
J	435m S	Unspecified Mill	1909	707407
H	438m N	Cotton Mill	1908	783113
H	438m N	Unspecified Commercial/Industrial	1992	670415
H	438m N	Industrial Estate	1987	684436
H	439m N	Cotton Mill	1928 - 1938	709129
H	439m N	Cotton Mill	1890	779772
J	439m S	Unspecified Mill	1928 - 1938	743864
H	439m NW	Unspecified Tank	1908	697450
J	440m S	Police Station	1968 - 1975	755936
H	441m N	Cotton Mill	1851	785065
H	444m N	Cotton Mill	1956	785528
12	453m E	Brick Yard	1851	700481
J	454m S	Police Station	1987 - 1992	718099
14	461m S	Brick Field	1851	654502
L	467m SE	Refuse Heap	1909	656084
J	469m S	Unspecified Pit	1928	675587
H	474m NW	Gasometers	1851	669776



ID	Location	Land use	Dates present	Group ID
K	477m E	Ground Workings	1851	669903
H	478m NW	Unspecified Tanks	1928 - 1938	711434
J	480m S	Refuse Heap	1909	656149
H	481m NW	Unspecified Tank	1908	713614
J	485m S	Unspecified Heap	1928	688396
H	487m NW	Unspecified Tank	1968	755389
H	487m NW	Unspecified Tanks	1956	742889
L	492m SE	Unspecified Ground Workings	1928	660845
H	500m NW	Gasometers	1890 - 1908	744055

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m

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

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

ID	Location	Land use	Dates present	Group ID
1	156m W	Unspecified Tank	1979 - 1981	105355
A	195m SW	Unspecified Tank	1930	89895
A	223m SW	Unspecified Tank	1973 - 1990	105967
A	228m SW	Unspecified Tank	1973 - 1990	107838
A	233m SW	Tanks	1910	82516
A	257m SW	Unspecified Tank	1969	89901
A	257m SW	Tanks	1956 - 1964	91569
A	257m SW	Tanks	1973	103234
A	258m SW	Tanks	1984 - 1986	95946



ID	Location	Land use	Dates present	Group ID
A	260m SW	Unspecified Tank	1973	89896
A	263m SW	Unspecified Tank	1969	89900
A	268m SW	Unspecified Tank	1956	94095
A	268m SW	Unspecified Tank	1964	105544
A	269m SW	Unspecified Tank	1969	94844
A	269m SW	Unspecified Tank	1957	99785
A	294m SW	Unspecified Tank	1929 - 1937	101237
C	317m SE	Unspecified Tank	1929 - 1937	106993
4	339m SW	Unspecified Tank	1956 - 1957	95113
7	362m SW	Unspecified Tank	1973 - 1996	105463
H	395m N	Gas Works	1890 - 1910	98731
H	401m N	Gasholder Station	1956 - 1957	96806
H	424m NW	Tanks	1956 - 1957	103191
J	433m S	Unspecified Tank	1996 - 1999	91843
H	440m NW	Unspecified Tank	1910 - 1937	92566
H	452m NW	Unspecified Tank	1930	84871
H	462m NW	Unspecified Tank	1956 - 1957	107673
H	473m NW	Tanks	1956 - 1957	98625
H	473m NW	Tanks	1937	92696
K	474m E	Unspecified Tank	1937	89819
M	475m E	Unspecified Tank	1937	84859
H	478m NW	Tanks	1956 - 1957	93960
M	480m E	Unspecified Tank	1956 - 1985	99137
H	483m NW	Gasometer	1890 - 1910	96769
H	483m NW	Unspecified Tank	1930 - 1937	98847
H	488m NW	Gasometer	1957	95096
H	489m NW	Gasholder	1956	82971
H	492m NW	Tanks	1930	81044

This data is sourced from Ordnance Survey / Groundsure.



1.3 Historical energy features

Records within 500m	19
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Energy features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

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

ID	Location	Land use	Dates present	Group ID
A	212m S	Electricity Substation	1973	53953
A	212m S	Electricity Substation	1956 - 1957	55136
2	220m NE	Electricity Substation	1973 - 1990	56615
A	228m S	Electricity Substation	1996 - 1999	61310
A	229m S	Electricity Substation	1990 - 1995	60961
A	290m SW	Electricity Substation	1956 - 1957	59650
C	299m SE	Electricity Substation	1956 - 1999	60695
F	310m W	Electricity Substation	1981	63115
F	312m W	Electricity Substation	1979	51461
H	395m N	Gas Works	1890 - 1910	52758
H	401m N	Gasholder Station	1956 - 1957	54092
D	407m N	Electricity Substation	1956 - 1989	57907
10	416m S	Electricity Substation	1956 - 1999	50120
J	428m S	Electricity Substation	1990 - 1995	58382
J	428m S	Electricity Substation	1996 - 1999	51944
11	442m SW	Electricity Substation	1990 - 1999	58760
H	483m NW	Gasometer	1890 - 1910	53771
H	488m NW	Gasometer	1957	53836
H	489m NW	Gasholder	1956	49449

This data is sourced from Ordnance Survey / Groundsure.

1.4 Historical petrol stations

Records within 500m**0**

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

This data is sourced from Ordnance Survey / Groundsure.

1.5 Historical garages

Records within 500m**9**

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

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

ID	Location	Land use	Dates present	Group ID
B	184m SE	Garage	1956	19958
B	185m SE	Garage	1957 - 1973	16721
B	185m SE	Garage	1990	18137
B	186m SE	Garage	1985	17404
D	255m N	Garage	1973	19794
D	255m N	Garage	1985	22060
D	262m N	Garage	1990	19537
D	287m N	Motor Body Repair Works	1973	16327
13	460m SW	Garage	1995 - 1999	16883

This data is sourced from Ordnance Survey / Groundsure.



1.6 Historical military land

Records within 500m

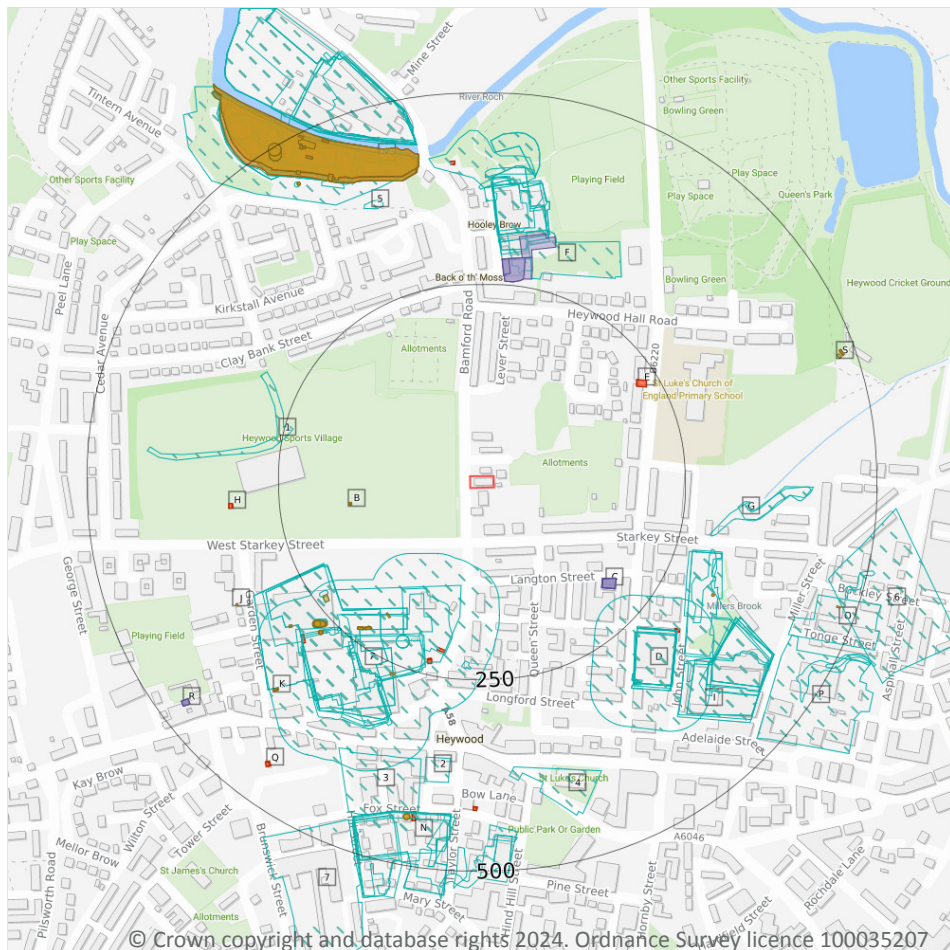
0

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

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



2 Past land use - un-grouped



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

2.1 Historical industrial land uses

Records within 500m

119

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 24 >](#)

ID	Location	Land Use	Date	Group ID
A	92m SW	Cotton Mills	1890	673102
A	128m S	Unspecified Mill	1956	777361
A	143m SW	Cotton Mill	1851	801357



ID	Location	Land Use	Date	Group ID
A	151m SW	Unspecified Mill	1938	729476
A	177m SW	Unspecified Mill	1992	713206
A	177m SW	Unspecified Mill	1987	713206
A	188m SW	Cotton Mill	1851	775354
A	197m SW	Unspecified Works	1975	726964
A	197m SW	Unspecified Works	1968	726964
A	200m S	Unspecified Mill	1928	763690
A	210m S	Unspecified Commercial/Industrial	1851	670449
A	210m SW	Unspecified Tank	1975	745949
A	210m SW	Unspecified Tank	1956	779549
A	210m SW	Unspecified Tank	1968	745949
D	213m SE	Cotton Mills	1890	673103
A	226m S	Constabulary Station	1851	654469
A	230m SW	Filter Beds	1909	685188
A	234m SW	Unspecified Tanks	1909	666660
1	239m W	Unspecified Ground Workings	1992	660843
A	246m SW	Unspecified Mill	1938	735176
A	246m SW	Unspecified Mill	1928	735176
A	249m SW	Unspecified Mill	1909	715552
A	255m SW	Unspecified Tanks	1992	766839
A	255m SW	Unspecified Tanks	1987	766839
A	255m SW	Unspecified Tanks	1975	766839
A	255m SW	Unspecified Tanks	1968	766839
D	261m SE	Unspecified Mill	1956	711928
D	261m SE	Unspecified Commercial/Industrial	1968	670450
D	262m SE	Unspecified Mill	1992	735480
D	262m SE	Unspecified Mill	1987	735480
D	262m SE	Unspecified Mill	1975	735480



ID	Location	Land Use	Date	Group ID
F	263m N	Unspecified Works	1968	683060
D	264m SE	Unspecified Mill	1928	713239
D	264m SE	Unspecified Mill	1909	713239
D	265m SE	Unspecified Mill	1938	779925
F	267m N	Unspecified Disused Mill	1956	658148
D	268m E	Unspecified Disused Mill	1890	658158
D	272m E	Unspecified Mill	1928	797465
D	272m E	Unspecified Mill	1909	797593
D	287m SE	Unspecified Ground Workings	1968	660846
G	289m E	Refuse Heap	1909	656083
F	289m N	Unspecified Mill	1975	799496
F	295m N	Unspecified Mill	1992	781559
F	295m N	Unspecified Mill	1987	781559
F	305m N	Unspecified Mill	1938	793811
F	305m N	Unspecified Mill	1928	793811
F	315m N	Cotton Mill	1890	742920
F	315m N	Unspecified Mill	1968	798912
G	320m E	Unspecified Ground Workings	1938	660844
F	320m N	Cotton Mill	1908	742920
I	337m SE	Unspecified Mill	1928	777950
I	338m SE	Unspecified Mill	1909	781527
I	346m SE	Unspecified Mill	1956	760575
I	346m SE	Unspecified Commercial/Industrial	1968	670451
2	354m S	Unspecified Commercial/Industrial	1851	670468
I	355m SE	Cotton Mill	1851	654665
I	359m SE	Unspecified Mill	1928	757882
3	359m S	Cotton Mill	1851	654679
I	361m SE	Unspecified Mill	1992	801642



ID	Location	Land Use	Date	Group ID
I	362m SE	Unspecified Mill	1987	729592
I	362m SE	Unspecified Mill	1975	729592
I	362m SE	Unspecified Mill	1938	748709
4	366m S	Grave Yard	1851	663395
5	370m N	Refuse Heap	1928	655998
F	375m N	Refuse Heap	1908	655999
F	376m N	Unspecified Ground Workings	1890	660698
F	390m N	Refuse Heap	1956	763818
L	394m NW	Unspecified Commercial/Industrial	1956	746476
F	394m N	Refuse Heap	1975	787688
F	394m N	Refuse Heap	1968	787688
L	396m N	Unspecified Commercial/Industrial	1938	758169
L	396m N	Gas Works	1890	773347
L	396m N	Unspecified Commercial/Industrial	1928	758169
L	410m NW	Unspecified Pit	1956	675379
L	413m NW	Gas Works	1908	770919
M	415m N	Railway Sidings	1938	748132
M	415m N	Railway Sidings	1928	748132
L	415m NW	Unspecified Mills	1968	799053
M	423m N	Railway Sidings	1956	772707
N	427m S	Unspecified Warehouse	1992	776431
N	427m S	Unspecified Warehouse	1987	776431
N	427m S	Unspecified Commercial/Industrial	1956	729325
O	428m SE	Unspecified Mill	1890	673356
N	428m S	Rope Walk	1851	691256
N	428m S	Unspecified Commercial/Industrial	1975	799580
P	434m SE	Unspecified Works	1987	683113
N	435m S	Unspecified Mill	1909	707407



ID	Location	Land Use	Date	Group ID
L	438m N	Cotton Mill	1908	783113
L	438m N	Unspecified Commercial/Industrial	1992	670415
L	438m N	Industrial Estate	1987	684436
L	438m N	Unspecified Mills	1975	799053
L	439m N	Cotton Mill	1938	709129
L	439m N	Cotton Mill	1890	779772
L	439m N	Cotton Mill	1928	709129
N	439m S	Unspecified Mill	1928	743864
L	439m NW	Unspecified Tank	1908	697450
L	440m NW	Gas Works	1851	773347
N	440m S	Police Station	1975	755936
N	441m S	Unspecified Mill	1938	743864
L	441m N	Cotton Mill	1851	785065
L	444m N	Cotton Mill	1956	785528
6	453m E	Brick Yard	1851	700481
N	453m S	Police Station	1968	755936
N	454m S	Police Station	1992	718099
N	454m S	Police Station	1987	718099
7	461m S	Brick Field	1851	654502
P	467m SE	Refuse Heap	1909	656084
N	469m S	Unspecified Pit	1928	675587
L	474m NW	Gasometers	1851	669776
O	477m E	Ground Workings	1851	669903
L	478m NW	Unspecified Tanks	1938	711434
L	478m NW	Unspecified Tanks	1928	711434
N	480m S	Refuse Heap	1909	656149
L	481m NW	Unspecified Tank	1908	713614
N	485m S	Unspecified Heap	1928	688396



ID	Location	Land Use	Date	Group ID
L	487m NW	Unspecified Tank	1968	755389
L	487m NW	Unspecified Tanks	1956	742889
P	492m SE	Unspecified Ground Workings	1928	660845
L	500m NW	Gasometers	1908	744055

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m	77
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Tank features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on [page 24 >](#)

ID	Location	Land Use	Date	Group ID
B	156m W	Unspecified Tank	1981	105355
B	157m W	Unspecified Tank	1979	105355
B	157m W	Unspecified Tank	1979	105355
A	195m SW	Unspecified Tank	1930	89895
A	223m SW	Unspecified Tank	1973	105967
A	223m SW	Unspecified Tank	1984	105967
A	223m SW	Unspecified Tank	1985	105967
A	223m SW	Unspecified Tank	1986	105967
A	223m SW	Unspecified Tank	1990	105967
A	228m SW	Unspecified Tank	1973	107838
A	229m SW	Unspecified Tank	1984	107838
A	229m SW	Unspecified Tank	1985	107838
A	229m SW	Unspecified Tank	1986	107838
A	229m SW	Unspecified Tank	1990	107838
A	233m SW	Tanks	1910	82516
A	257m SW	Unspecified Tank	1969	89901



ID	Location	Land Use	Date	Group ID
A	257m SW	Tanks	1956	91569
A	257m SW	Tanks	1973	103234
A	257m SW	Tanks	1964	91569
A	257m SW	Tanks	1957	91569
A	257m SW	Tanks	1957	91569
A	258m SW	Tanks	1984	95946
A	258m SW	Tanks	1985	95946
A	258m SW	Tanks	1986	95946
A	260m SW	Unspecified Tank	1973	89896
A	263m SW	Unspecified Tank	1969	89900
A	268m SW	Unspecified Tank	1956	94095
A	268m SW	Unspecified Tank	1964	105544
A	269m SW	Unspecified Tank	1957	99785
A	269m SW	Unspecified Tank	1969	94844
A	269m SW	Unspecified Tank	1957	99785
A	294m SW	Unspecified Tank	1929	101237
A	294m SW	Unspecified Tank	1937	101237
D	317m SE	Unspecified Tank	1929	106993
D	317m SE	Unspecified Tank	1937	106993
J	339m SW	Unspecified Tank	1957	95113
J	339m SW	Unspecified Tank	1956	95113
K	362m SW	Unspecified Tank	1973	105463
K	362m SW	Unspecified Tank	1995	105463
K	363m SW	Unspecified Tank	1996	105463
K	363m SW	Unspecified Tank	1984	105463
K	363m SW	Unspecified Tank	1985	105463
K	363m SW	Unspecified Tank	1986	105463
K	363m SW	Unspecified Tank	1990	105463



ID	Location	Land Use	Date	Group ID
L	395m N	Gas Works	1890	98731
L	396m N	Gas Works	1910	98731
L	401m N	Gasholder Station	1957	96806
L	402m N	Gasholder Station	1956	96806
L	424m NW	Tanks	1957	103191
L	425m NW	Tanks	1956	103191
N	433m S	Unspecified Tank	1996	91843
N	433m S	Unspecified Tank	1998	91843
N	433m S	Unspecified Tank	1999	91843
L	440m NW	Unspecified Tank	1910	92566
L	440m NW	Unspecified Tank	1930	92566
L	440m NW	Unspecified Tank	1937	92566
L	452m NW	Unspecified Tank	1930	84871
L	462m NW	Unspecified Tank	1957	107673
L	463m NW	Unspecified Tank	1956	107673
L	473m NW	Tanks	1957	98625
L	473m NW	Tanks	1956	98625
L	473m NW	Tanks	1937	92696
O	474m E	Unspecified Tank	1937	89819
S	475m E	Unspecified Tank	1937	84859
L	478m NW	Tanks	1957	93960
L	479m NW	Tanks	1956	93960
S	480m E	Unspecified Tank	1985	99137
S	480m E	Unspecified Tank	1973	99137
S	480m E	Unspecified Tank	1956	99137
S	480m E	Unspecified Tank	1957	99137
L	483m NW	Gasometer	1890	96769
L	483m NW	Gasometer	1910	96769



ID	Location	Land Use	Date	Group ID
L	483m NW	Unspecified Tank	1930	98847
L	483m NW	Unspecified Tank	1937	98847
L	488m NW	Gasometer	1957	95096
L	489m NW	Gasholder	1956	82971
L	492m NW	Tanks	1930	81044

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m	56
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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 24 >](#)

ID	Location	Land Use	Date	Group ID
A	212m S	Electricity Substation	1956	55136
A	212m S	Electricity Substation	1973	53953
A	212m S	Electricity Substation	1957	55136
E	220m NE	Electricity Substation	1973	56615
E	220m NE	Electricity Substation	1990	56615
E	221m NE	Electricity Substation	1985	56615
A	228m S	Electricity Substation	1996	61310
A	228m S	Electricity Substation	1998	61310
A	228m S	Electricity Substation	1999	61310
A	229m S	Electricity Substation	1990	60961
A	229m S	Electricity Substation	1995	60961
A	290m SW	Electricity Substation	1957	59650
A	290m SW	Electricity Substation	1957	59650
A	290m SW	Electricity Substation	1956	59650
D	299m SE	Electricity Substation	1981	60695



ID	Location	Land Use	Date	Group ID
D	300m SE	Electricity Substation	1999	60695
D	300m SE	Electricity Substation	1957	60695
D	300m SE	Electricity Substation	1969	60695
D	300m SE	Electricity Substation	1957	60695
D	301m SE	Electricity Substation	1956	60695
D	301m SE	Electricity Substation	1989	60695
D	301m SE	Electricity Substation	1968	60695
H	310m W	Electricity Substation	1981	63115
H	312m W	Electricity Substation	1979	51461
H	312m W	Electricity Substation	1979	51461
L	395m N	Gas Works	1890	52758
L	396m N	Gas Works	1910	52758
L	401m N	Gasholder Station	1957	54092
L	402m N	Gasholder Station	1956	54092
F	407m N	Electricity Substation	1956	57907
F	408m N	Electricity Substation	1957	57907
F	408m N	Electricity Substation	1982	57907
F	408m N	Electricity Substation	1989	57907
N	416m S	Electricity Substation	1999	50120
N	416m S	Electricity Substation	1957	50120
N	416m S	Electricity Substation	1969	50120
N	416m S	Electricity Substation	1957	50120
N	416m S	Electricity Substation	1969	50120
N	416m S	Electricity Substation	1981	50120
N	416m S	Electricity Substation	1956	50120
N	416m S	Electricity Substation	1989	50120
N	416m S	Electricity Substation	1968	50120
N	428m S	Electricity Substation	1995	58382



ID	Location	Land Use	Date	Group ID
N	428m S	Electricity Substation	1996	51944
N	428m S	Electricity Substation	1998	51944
N	428m S	Electricity Substation	1999	51944
N	429m S	Electricity Substation	1990	58382
Q	442m SW	Electricity Substation	1995	58760
Q	443m SW	Electricity Substation	1996	58760
Q	443m SW	Electricity Substation	1998	58760
Q	443m SW	Electricity Substation	1999	58760
Q	444m SW	Electricity Substation	1990	58760
L	483m NW	Gasometer	1890	53771
L	483m NW	Gasometer	1910	53771
L	488m NW	Gasometer	1957	53836
L	489m NW	Gasholder	1956	49449

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

13

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

Features are displayed on the Past land use - un-grouped map on [page 24 >](#)

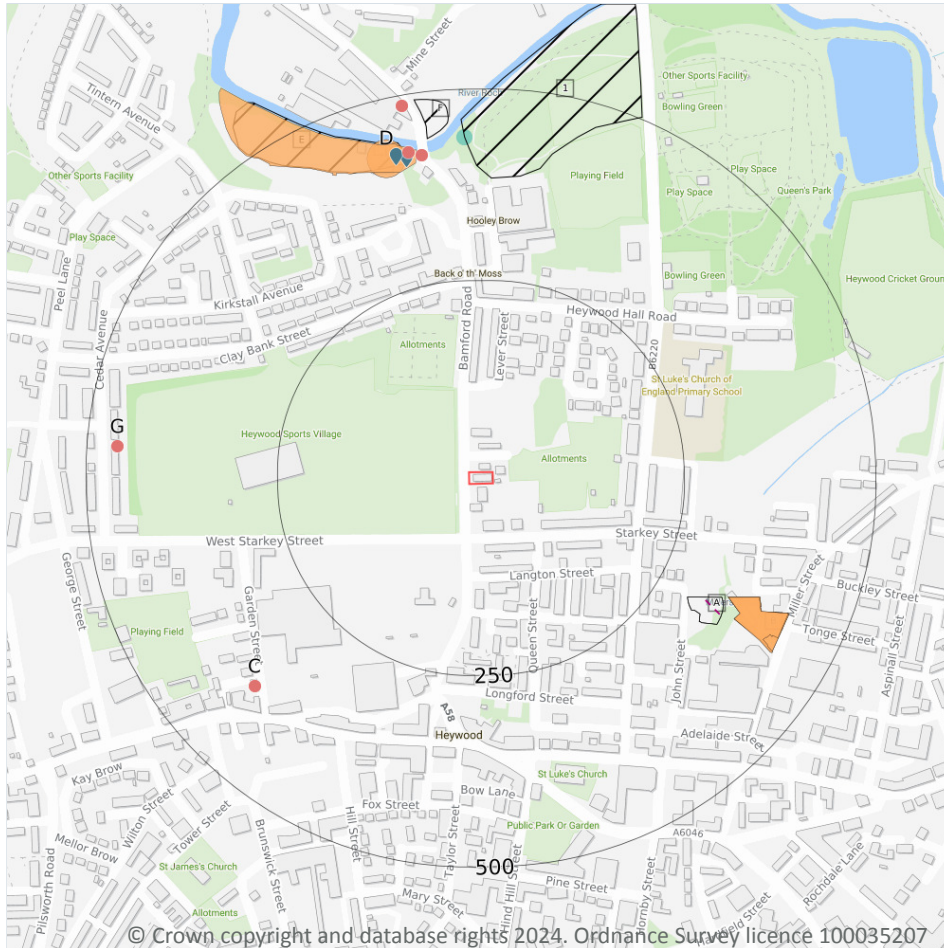


ID	Location	Land Use	Date	Group ID
C	184m SE	Garage	1956	19958
C	185m SE	Garage	1957	16721
C	185m SE	Garage	1973	16721
C	185m SE	Garage	1990	18137
C	186m SE	Garage	1985	17404
F	255m N	Garage	1973	19794
F	255m N	Garage	1985	22060
F	262m N	Garage	1990	19537
F	287m N	Motor Body Repair Works	1973	16327
R	460m SW	Garage	1995	16883
R	460m SW	Garage	1996	16883
R	460m SW	Garage	1998	16883
R	460m SW	Garage	1999	16883

This data is sourced from Ordnance Survey / Groundsure.



3 Waste and landfill



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

3.1 Active or recent landfill

Records within 500m

0

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

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

3.2 Historical landfill (BGS records)

Records within 500m

1

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

Features are displayed on the Waste and landfill map on [page 36 >](#)



ID	Location	Address	BGS Number	Risk	Waste Type
F	437m N	Hooley Bridge, Bamford Rd, Heywood, Lancs	200	No risk to aquifer	N/A

This data is sourced from the British Geological Survey.

3.3 Historical landfill (LA/mapping records)

Records within 500m	2
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Landfill sites identified from Local Authority records and high detail historical mapping.

Features are displayed on the Waste and landfill map on [page 36 >](#)

ID	Location	Site address	Source	Data type
A	294m SE	Refuse Tip	1967 mapping	Polygon
A	294m SE	Refuse Tip	1967 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	3
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Known historical (closed) landfill sites (e.g. sites where there is no PPC permit or waste management licence currently in force). This includes sites that existed before the waste licensing regime and sites that have been licensed in the past but where a licence has been revoked, ceased to exist or surrendered and a certificate of completion has been issued.

Features are displayed on the Waste and landfill map on [page 36 >](#)

ID	Location	Details		
1	384m N	Site Address: Queens Park Road, Heywood, Greater Manchester Licence Holder Address: -	Waste Licence: - Site Reference: D060 Waste Type: Inert Environmental Permitting Regulations (Waste) Reference: - Licence Issue: - Licence Surrender: -	Operator: Heywood Corporation Licence Holder: - First Recorded - Last Recorded: 31/12/1976
E	411m N	Site Address: Hooley Bridge Works, Bamford Road, Heywood, Greater Manchester Licence Holder Address: -	Waste Licence: - Site Reference: D079 Waste Type: - Environmental Permitting Regulations (Waste) Reference: - Licence Issue: - Licence Surrender: -	Operator: - Licence Holder: - First Recorded - Last Recorded: -



ID	Location	Details		
F	439m N	Site Address: Hooley Bridge, Bamford Road, Heywood, Lancashire Licence Holder Address: -	Waste Licence: - Site Reference: - Waste Type: - Environmental Permitting Regulations (Waste) Reference: - Licence Issue: - Licence Surrender: -	Operator: William R Lee Limited Licence Holder: - First Recorded - Last Recorded: -

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

3.5 Historical waste sites

Records within 500m	5
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Waste site records derived from Local Authority planning records and high detail historical mapping.

Features are displayed on the Waste and landfill map on [page 36 >](#)

ID	Location	Address	Further Details	Date
B	341m SE	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1999
B	341m SE	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1999
B	342m SE	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1989
D	398m N	Site Address: Hooley Bridge Works, Bamford Road, HEYWOOD, Greater Manchester, OL10 4AF	Type of Site: Waste Transfer (Change Of Use) Planning application reference: 32995 Description: Change of use into scrap metal processing, waste transfer & parking of commercial vehicles. An application (ref: 32995) for Detailed Planning permission was submitted to Rochdale B.C. on 25th March 1996. Data source: Historic Planning Application Data Type: Point	-



ID	Location	Address	Further Details	Date
E	402m N	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

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

3.6 Licensed waste sites

Records within 500m	5
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Active or recently closed waste sites under Environment Agency/Natural Resources Wales regulation.

Features are displayed on the Waste and landfill map on [page 36 >](#)

ID	Location	Details		
D	418m N	Site Name: James Hartley Scrap Metals Ltd Site Address: Bamford Road, Heywood, Lancashire, OL10 4AA Correspondence Address: Hooley Bridge Works, Bamford Road, Heywood, Lancashire, OL10 4AA	Type of Site: Metal Recycling Site (mixed MRS's) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: JHA002 EPR reference: - Operator: James Hartley Scrap Metals Ltd Waste Management licence No: 53431 Annual Tonnage: 0	Issue Date: 30/07/1999 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
D	418m N	Site Name: James Hartley Scrap Metals Ltd Site Address: Bamford Road, Heywood, Lancashire, OL10 4AA Correspondence Address: Hooley Bridge Works, Bamford Road, Heywood, Lancashire, OL10 4AA	Type of Site: Metal Recycling Site (mixed MRS's) Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: JHA002 EPR reference: - Operator: James Hartley Scrap Metals Ltd Waste Management licence No: 53431 Annual Tonnage: 0	Issue Date: 30/07/1999 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued



ID	Location	Details		
D	418m N	Site Name: James Hartley Scrap Metals Ltd Site Address: Hooley Bridge Works, Bamford Road, Heywood, Lancashire, OL10 4AE Correspondence Address: -	Type of Site: Metal Recycling Site (mixed MRS's) Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: JHA002 EPR reference: EA/EPR/MP3892CP/V002 Operator: James Hartley (Scrap Metal) Ltd Waste Management licence No: 53431 Annual Tonnage: 75000	Issue Date: 30/07/1999 Effective Date: - Modified: 29/10/2010 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
D	423m N	Site Name: James Hartley Scrap Metals Ltd Site Address: Hooley Bridge Works, Bamford Road, Heywood, Lancashire, OL10 4AE Correspondence Address: -	Type of Site: Metal Recycling Site (mixed MRS's) Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: JHA002 EPR reference: EA/EPR/MP3892CP/V002 Operator: James Hartley (Scrap Metal) Ltd Waste Management licence No: 53431 Annual Tonnage: 75000	Issue Date: 30/07/1999 Effective Date: - Modified: 29/10/2010 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
D	423m N	Site Name: James Hartley Scrap Metals Ltd Site Address: Hooley Bridge Works, Bamford Road, Heywood, Lancashire, OL10 4AE Correspondence Address: -	Type of Site: Metal Recycling Site (mixed MRS's) Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 638870 EPR reference: EA/EPR/MP3892CP Operator: James Hartley (Scrap Metal) Limited Waste Management licence No: 53431 Annual Tonnage: 75000	Issue Date: 30/07/1999 Effective Date: 30/07/1999 Modified: 30/07/1999 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	10
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Activities involving the storage, treatment, use or disposal of waste that are exempt from needing a permit. Exemptions have specific limits and conditions that must be adhered to.

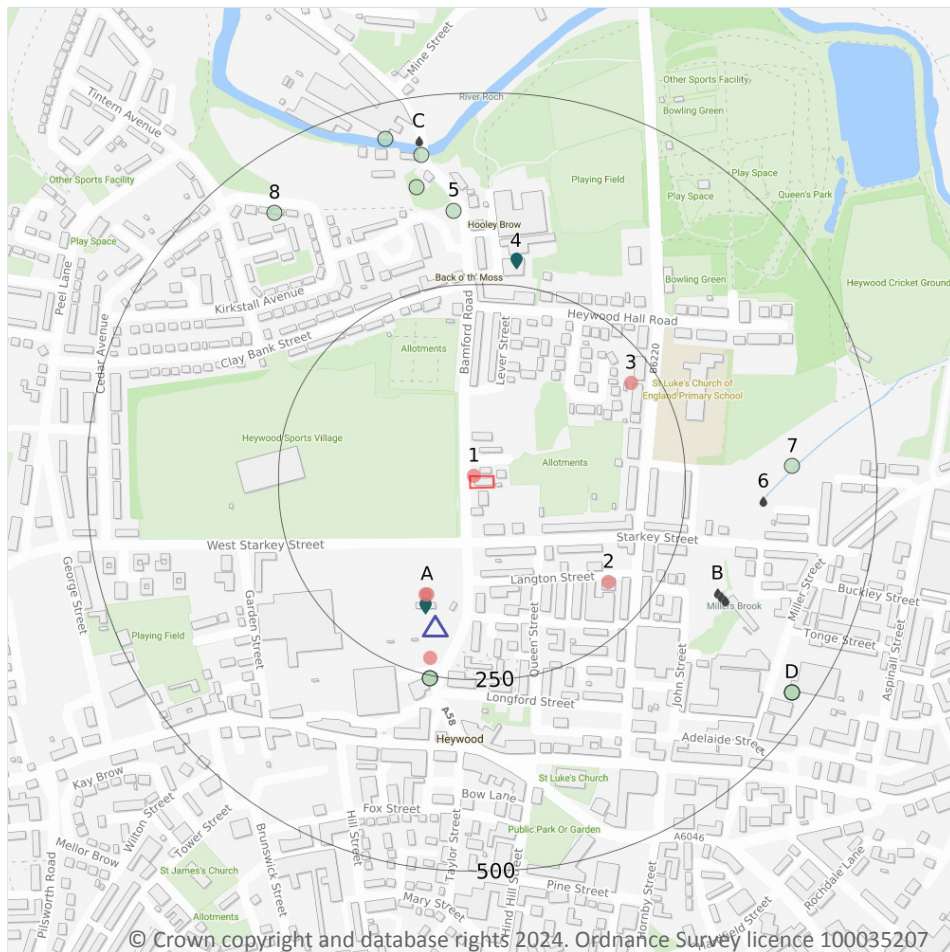
Features are displayed on the Waste and landfill map on [page 36 >](#)

ID	Location	Site	Reference	Category	Sub-Category	Description
C	386m SW	12, Garden Street, Heywood, Heywood, OL104pf	WEX330373	Storing waste exemption	Not on a farm	Storage of waste in secure containers
C	386m SW	12, Garden Street, Heywood, Heywood, OL104pf	WEX205560	Storing waste exemption	Not on a farm	Storage of waste in secure containers
D	418m N	Hooley Bridge Works Bamford Road Heywood OL10 4aa	EPR/BF0508CF /A001	Storing waste exemption	Non-agricultural waste only	Storage of waste in secure containers
D	418m N	Hooley Bridge Works Bamford Road Heywood OL10 4aa	EPR/BF0508CF /A001	Using waste exemption	Non-agricultural waste only	Use of waste in construction
D	425m N	Mill House, Bamford Road, Heywood, OL10 4aa	WEX283876	Using waste exemption	Not on a farm	Use of waste in construction
D	425m N	Mill House, Bamford Road, Heywood, OL10 4aa	WEX144964	Using waste exemption	Not on a farm	Use of waste in construction
G	460m W	Cedar Gardens - (Russell Homes Development Site), Cedar Avenue, Heywood, OL10 4tn	WEX144393	Using waste exemption	Not on a farm	Use of waste in construction
G	460m W	Cedar Gardens - (Russell Homes Development Site), Cedar Avenue, Heywood, OL10 4tn	WEX144393	Treating waste exemption	Not on a farm	Screening and blending of waste
F	486m N	Unit 45, Hooley Bridge Mill, Heywood, Greater Manchester, OL10 4ap	WEX235971	Storing waste exemption	Not on a farm	Storage of waste in a secure place
F	486m N	Unit 45, Hooley Bridge Mill, Heywood, Greater Manchester, OL10 4ap	WEX235971	Treating waste exemption	Not on a farm	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
- △ Current or recent petrol stations
- 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

6

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on [page 42](#) >

ID	Location	Company	Address	Activity	Category
1	1m NW	Heywood Army Cadets	Greater Manchester, OL10	Armed Services	Central and Local Government
A	150m SW	Morrisons Petrol Station	Dawson Street, Heywood, Greater Manchester, OL10 4PN	Petrol and Fuel Stations	Road and Rail



ID	Location	Company	Address	Activity	Category
A	151m SW	Morrisons Car Wash	Dawson Street, Heywood, Greater Manchester, OL10 4PN	Vehicle Cleaning Services	Personal, Consumer and Other Services
2	194m SE	Park Garage	Langton Street, Heywood, Greater Manchester, OL10 4LH	Vehicle Repair, Testing and Servicing	Repair and Servicing
3	217m NE	Electricity Sub Station	Greater Manchester, OL10	Electrical Features	Infrastructure and Facilities
A	228m S	Electricity Sub Station	Greater Manchester, OL10	Electrical Features	Infrastructure and Facilities

This data is sourced from Ordnance Survey.

4.2 Current or recent petrol stations

Records within 500m

1

Open, closed, under development and obsolete petrol stations.

Features are displayed on the Current industrial land use map on [page 42 >](#)

ID	Location	Company	Address	LPG	Status
A	186m S	MORRISONS	Bamford Road, Heywood, Greater Manchester, OL10 4PU	No	Open

This data is sourced from Experian.

4.3 Electricity cables

Records within 500m

0

High voltage underground electricity transmission cables.

This data is sourced from National Grid.

4.4 Gas pipelines

Records within 500m

0

High pressure underground gas transmission pipelines.

This data is sourced from National Grid.



4.5 Sites determined as Contaminated Land

Records within 500m**0**

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

This data is sourced from Local Authority records.

4.6 Control of Major Accident Hazards (COMAH)

Records within 500m**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**2**

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 42 >](#)

ID	Location	Address	Details	
A	165m SW	Morrisons Petrol Station, 2 Dawson Street, Heywood, Lancashire, OL10 4ND	Process: Unloading of Petrol into Storage at Service Stations Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
4	282m N	S. Carlick & Sons Ltd, River Street, Heywood, Lancashire, OL10 4AB	Process: Coating Processes Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified

This data is sourced from Local Authority records.

4.12 Radioactive Substance Authorisations

Records within 500m**0**

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

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

4.13 Licensed Discharges to controlled waters

Records within 500m**5**

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

Features are displayed on the Current industrial land use map on [page 42 >](#)



ID	Location	Address	Details	
B	323m SE	JOHN STREET CSO 35020, 31 JOHN STREET, HEYWOOD, GREATER MANCHESTER, OL10 4LL	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01ROC0034 Permit Version: 1 Receiving Water: MILLERS BROOK	Status: CONSENT REVOKED OR REVISED - NEW CONSENT ISSUED (37(1)) Issue date: 01/01/1995 Effective Date: 01/01/1995 Revocation Date: 19/01/2006
B	329m SE	JOHN STREET CSO 35020, 31 JOHN STREET, HEYWOOD, GREATER MANCHESTER, OL10 4LL	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 016993768 Permit Version: 2 Receiving Water: MILLERS BROOK VIA SWS	Status: VARIED UNDER EPR 2010 Issue date: 04/06/2018 Effective Date: 04/06/2018 Revocation Date: -
B	336m SE	HEYWOOD SSO, JOHN STREET/WILLOW STREET, HEYWOOD, GREATER MANCHESTER	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 016950219 Permit Version: 1 Receiving Water: MILLERS BROOK	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: - Effective Date: 31/07/1981 Revocation Date: -
6	352m E	JOHN STREET CSO 35020, 31 JOHN STREET, HEYWOOD, GREATER MANCHESTER, OL10 4LL	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 016993768 Permit Version: 1 Receiving Water: MILLERS BROOK	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 20/01/2006 Effective Date: 20/01/2006 Revocation Date: 03/06/2018
C	442m N	HOOLEY BRIDGE CSO, HOOLEY BRIDGE INDUSTRIAL ESTATE, ADJACENT TO VICTORIA TERRACE, HEYWOOD, GREATER MANCHESTER, OL10 4AP	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01ROC0031 Permit Version: 1 Receiving Water: RIVER ROCH	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: 01/01/1995 Effective Date: 01/01/1995 Revocation Date: 30/03/2007

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**11**

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 42 >](#)

ID	Location	Details	
A	254m S	Incident Date: 19/03/2002 Incident Identification: 64960 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Smoke	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
A	254m S	Incident Date: 08/03/2002 Incident Identification: 62617 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Smoke	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)



ID	Location	Details	
5	348m N	Incident Date: 18/08/2001 Incident Identification: 25189 Pollutant: Pollutant Not Identified Pollutant Description: Not Identified	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
C	383m N	Incident Date: 20/03/2002 Incident Identification: 65441 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Smoke	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
7	390m E	Incident Date: 16/07/2002 Incident Identification: 91999 Pollutant: Oils and Fuel Pollutant Description: Mixed/Waste Oils	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
C	425m N	Incident Date: 14/06/2017 Incident Identification: 1530995 Pollutant: Other Pollutant Pollutant Description: Other	Water Impact: Category 2 (Significant) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
8	428m NW	Incident Date: 24/05/2001 Incident Identification: 6526 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Smoke	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
C	454m N	Incident Date: 07/07/2001 Incident Identification: 14542 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Smoke	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
D	472m SE	Incident Date: 18/01/2002 Incident Identification: 53309 Pollutant: Inert Materials and Wastes:Specific Waste Materials Pollutant Description: Construction and Demolition Materials and Wastes:Asbestos	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
D	472m SE	Incident Date: 18/01/2002 Incident Identification: 53309 Pollutant: Inert Materials and Wastes Pollutant Description: Construction and Demolition Materials and Wastes	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
D	472m SE	Incident Date: 18/01/2002 Incident Identification: 53309 Pollutant: Specific Waste Materials Pollutant Description: Asbestos	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)

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



4.19 Pollution inventory substances

Records within 500m

0

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

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

4.20 Pollution inventory waste transfers

Records within 500m

0

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

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

4.21 Pollution inventory radioactive waste

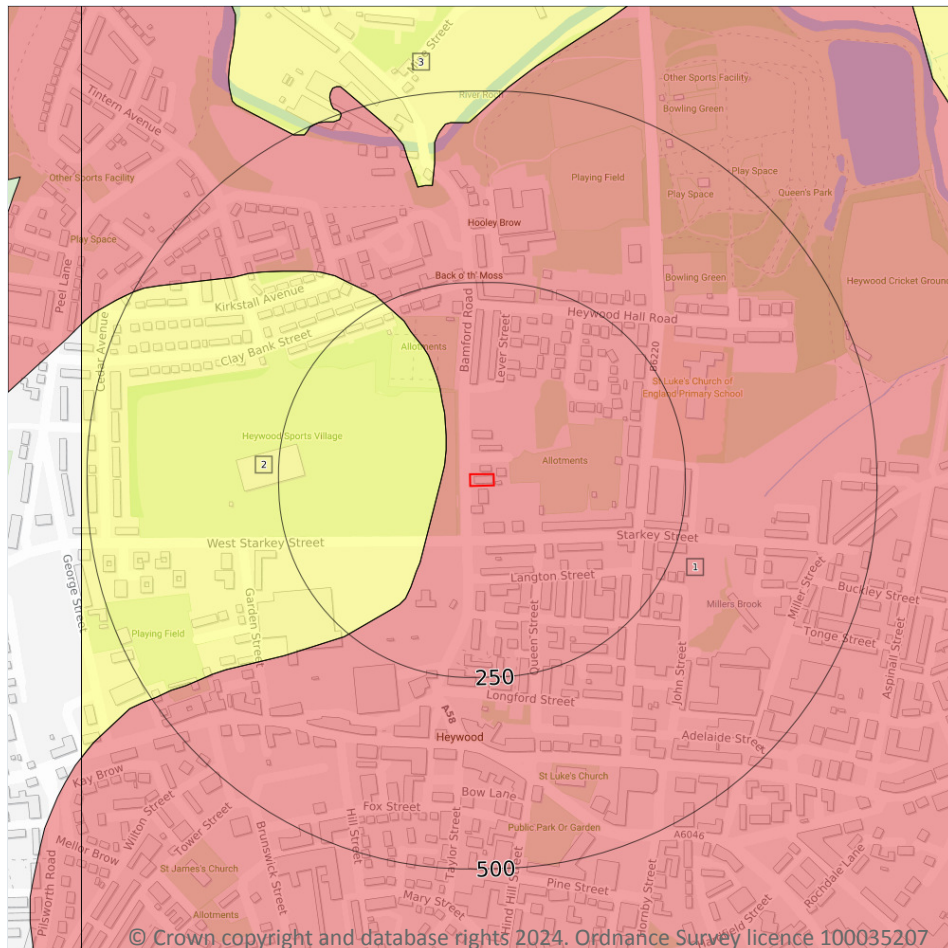
Records within 500m

0

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

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

5 Hydrogeology - Superficial aquifer



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

5.1 Superficial aquifer

Records within 500m

3

Aquifer status of groundwater held within superficial geology.

Features are displayed on the Hydrogeology map on [page 50](#) >

ID	Location	Designation	Description
1	On site	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
2	35m W	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type

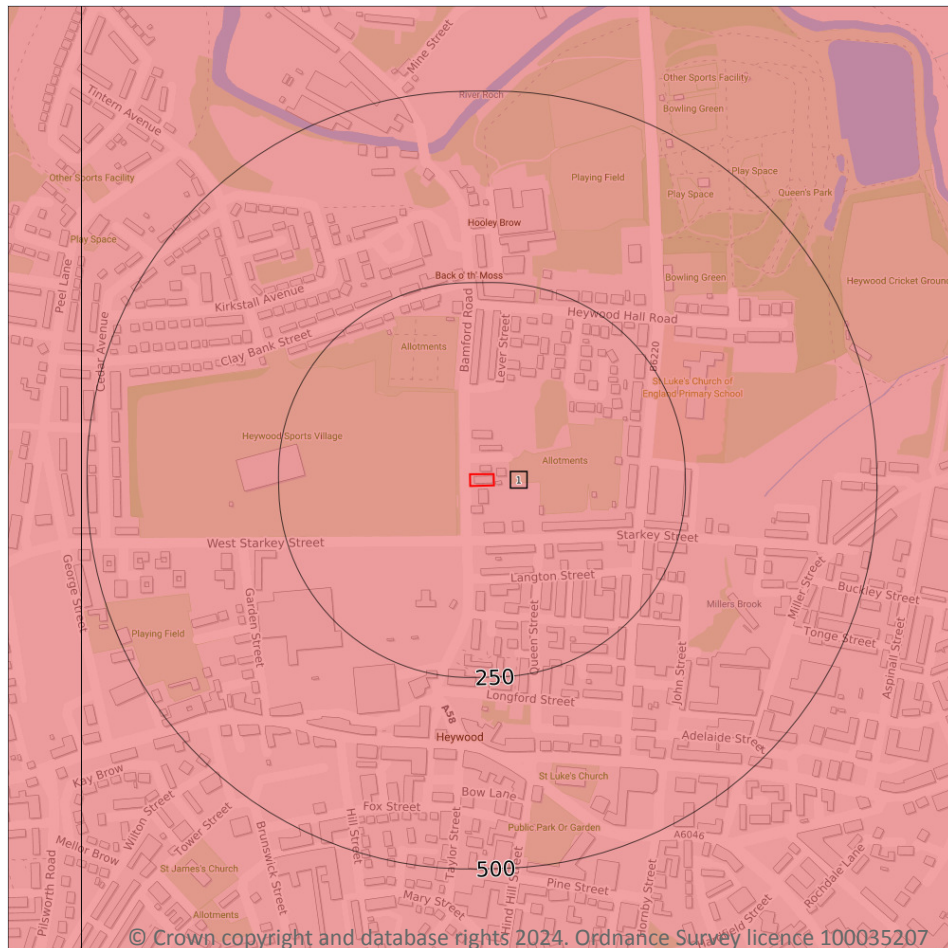


ID	Location	Designation	Description
3	380m N	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type

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



Bedrock aquifer



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

5.2 Bedrock aquifer

Records within 500m

1

Aquifer status of groundwater held within bedrock geology.

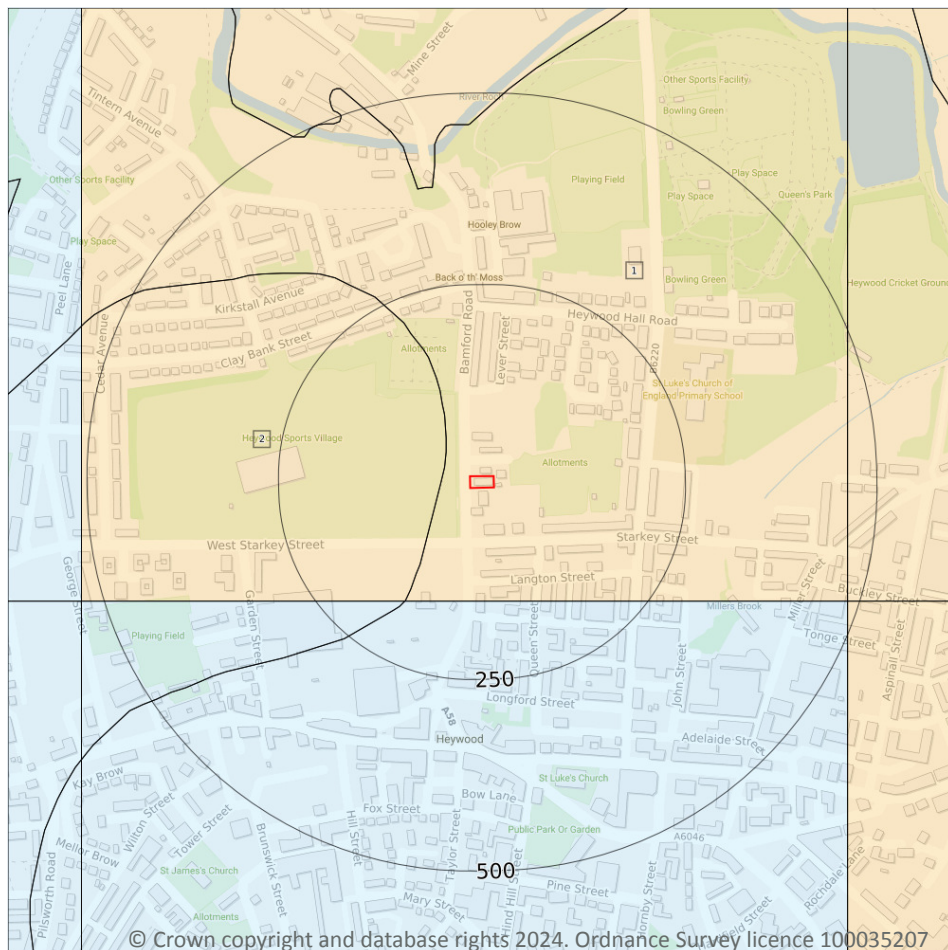
Features are displayed on the Bedrock aquifer map on [page 52](#) >

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

2

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

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

Features are displayed on the Groundwater vulnerability map on [page 53](#) >



ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	On site	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: >550mm/year	Vulnerability: High Aquifer type: Secondary Thickness: 3-10m Patchiness value: <90% Recharge potential: Low	Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures
2	35m W	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: >550mm/year	Vulnerability: High Aquifer type: Secondary Thickness: 3-10m Patchiness value: <90% Recharge potential: Low	Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures

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

5.4 Groundwater vulnerability- soluble rock risk

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

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

5.5 Groundwater vulnerability- local information

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

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

Abstractions and Source Protection Zones



- Site Outline
- Search buffers in metres (m)**
- Source Protection Zone 1
Inner catchment
- Source Protection Zone 2
Outer catchment
- Source Protection Zone 3
Total catchment
- Source Protection Zone 4
Zone of Special Interest
- Source Protection Zone 1c
Inner catchment - confined aquifer
- Source Protection Zone 2c
Outer catchment - confined aquifer
- Source Protection Zone 3c
Total catchment - confined aquifer
- Drinking water abstraction licences
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

20

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 55 >](#)



ID	Location	Details	
-	799m SE	Status: Historical Licence No: 2569002082 Details: Process water Direct Source: Ground Water - North West Region Point: BOREHOLES (2) AT PREMISES, ROEACRE TANNERY, HEYWOOD Data Type: Point Name: G. S. COLD STORAGE AND WAREHOUSING LTD. Easting: 386200 Northing: 410700	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 18/01/1966 Expiry Date: - Issue No: 102 Version Start Date: 22/12/2000 Version End Date: -
-	859m SE	Status: Historical Licence No: 2569002082 Details: Process water Direct Source: Ground Water - North West Region Point: BOREHOLES (2) AT PREMISES, ROEACRE TANNERY, HEYWOOD, L97 Data Type: Point Name: G. S. COLD STORAGE AND WAREHOUSING LTD. Easting: 386200 Northing: 410600	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 18/01/1966 Expiry Date: - Issue No: 102 Version Start Date: 22/12/2000 Version End Date: -
-	1057m NE	Status: Historical Licence No: 2569002037 Details: Boiler Feed Direct Source: Ground Water - North West Region Point: "BOREHOLE AT PREMISES, CRIMBLE MILLS,HEYWOOD" Data Type: Point Name: ROE ACRE DYEING & FELTING CO LTD Easting: 386500 Northing: 411600	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 20/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 21/05/1993 Version End Date: -
-	1057m NE	Status: Historical Licence No: 2569002037 Details: Process water Direct Source: Ground Water - North West Region Point: "BOREHOLE AT PREMISES, CRIMBLE MILLS,HEYWOOD" Data Type: Point Name: ROE ACRE DYEING & FELTING CO LTD Easting: 386500 Northing: 411600	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 20/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 21/05/1993 Version End Date: -



ID	Location	Details	
-	1057m NE	Status: Historical Licence No: 2569002037 Details: Process water Direct Source: Ground Water - North West Region Point: BOREHOLE AT PREMISES, CRIMBLE MILLS,HEYWOOD Data Type: Point Name: K.SHAW & COMPANY LTD. Easting: 386500 Northing: 411600	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 20/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/10/2002 Version End Date: -
-	1057m NE	Status: Historical Licence No: 2569002037 Details: Boiler Feed Direct Source: Ground Water - North West Region Point: BOREHOLE AT PREMISES, CRIMBLE MILLS,HEYWOOD Data Type: Point Name: K.SHAW & COMPANY LTD. Easting: 386500 Northing: 411600	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 20/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/10/2002 Version End Date: -
-	1264m N	Status: Active Licence No: 2569002217 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: BOREHOLE AT BUTTERWORTH FOLD FARM BAMFORD ROCHDALE Data Type: Point Name: JAMES SWALLOW LTD Easting: 385800 Northing: 412400	Annual Volume (m ³): 33185.8 Max Daily Volume (m ³): 90.92 Original Application No: 2563 Original Start Date: 22/09/1980 Expiry Date: - Issue No: 100 Version Start Date: 01/04/2007 Version End Date: -
-	1264m N	Status: Historical Licence No: 2569002217 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: "BOREHOLE AT BUTTERWORTH FOLD FARM, BAMFORD, ROCHDALE" Data Type: Point Name: JAMES SWALLOW LTD Easting: 385800 Northing: 412400	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 22/09/1980 Expiry Date: - Issue No: 100 Version Start Date: 22/09/1980 Version End Date: -



ID	Location	Details	
-	1264m N	Status: Historical Licence No: 2569002217 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: BOREHOLE AT BUTTERWORTH FOLD FARM, BAMFORD, ROCHDALE Data Type: Point Name: JAMES SWALLOW LTD Easting: 385800 Northing: 412400	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 22/09/1980 Expiry Date: - Issue No: 100 Version Start Date: 22/09/1980 Version End Date: -
-	1423m SE	Status: Active Licence No: 2569002029 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Ground Water - North West Region Point: BOREHOLE AT PREMISES, GREEN LANE, HEYWOOD Data Type: Point Name: OAK BREWING COMPANY LTD Easting: 386500 Northing: 410100	Annual Volume (m ³): 79645.92 Max Daily Volume (m ³): 218.21 Original Application No: 0203 Original Start Date: 16/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 15/11/1990 Version End Date: -
-	1423m SE	Status: Historical Licence No: 2569002029 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Ground Water - North West Region Point: "BOREHOLE AT PREMISES, GREEN LANE, HEYWOOD" Data Type: Point Name: OAK BREWING COMPANY LTD Easting: 386500 Northing: 410100	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 16/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 15/11/1990 Version End Date: -
-	1423m SE	Status: Historical Licence No: 2569002029 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Ground Water - North West Region Point: BOREHOLE AT PREMISES, GREEN LANE, HEYWOOD Data Type: Point Name: OAK BREWING COMPANY LTD Easting: 386500 Northing: 410100	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 16/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 15/11/1990 Version End Date: -



ID	Location	Details	
-	1500m SE	Status: Historical Licence No: 2569002257 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: BOREHOLE AT GREEN LANE,HEYWOOD Data Type: Point Name: TARMAC TOPMIX LTD Easting: 386700 Northing: 410200	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 28/06/1993 Expiry Date: - Issue No: 100 Version Start Date: 28/06/1993 Version End Date: -
-	1838m N	Status: Historical Licence No: 2569002180 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: "WELL AT MOOR EDGE FARM, BAMFORD, ROCHDALE" Data Type: Point Name: BLACKBOROUGH Easting: 385600 Northing: 413000	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 21/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 21/02/1966 Version End Date: -
-	1838m N	Status: Historical Licence No: 2569002183 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: "WELL AT MOOR EDGE FARM, BAMFORD, ROCHDALE" Data Type: Point Name: MILLS Easting: 385600 Northing: 413000	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 21/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 21/02/1966 Version End Date: -
-	1838m N	Status: Historical Licence No: 2569002180 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: WELL AT MOOR EDGE FARM, BAMFORD, ROCHDALE Data Type: Point Name: BLACKBOROUGH Easting: 385600 Northing: 413000	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 21/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 21/02/1966 Version End Date: -



ID	Location	Details	
-	1838m N	Status: Historical Licence No: 2569002183 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: WELL AT MOOR EDGE FARM, BAMFORD, ROCHDALE Data Type: Point Name: MILLS Easting: 385600 Northing: 413000	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 21/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 21/02/1966 Version End Date: -
-	1870m NW	Status: Historical Licence No: 2569002248 Details: General Farming & Domestic Direct Source: Ground Water - North West Region Point: "BOREHOLE AT FERNISES FARM, GRIFEL HURST LANE" Data Type: Point Name: THOMPSON Easting: 384200 Northing: 412500	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 12/06/1991 Expiry Date: - Issue No: 100 Version Start Date: 12/06/1991 Version End Date: -
-	1870m NW	Status: Historical Licence No: 2569002248 Details: General Farming & Domestic Direct Source: Ground Water - North West Region Point: BOREHOLE AT FERNISES FARM, GRIFEL HURST LANE Data Type: Point Name: THOMPSON Easting: 384200 Northing: 412500	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 12/06/1991 Expiry Date: - Issue No: 100 Version Start Date: 12/06/1991 Version End Date: -
-	1932m NW	Status: Historical Licence No: 2569002267 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: BOREHOLE AT LOWER TACK LEA FARM BURY Data Type: Point Name: A CLEASBY LTD Easting: 383890 Northing: 412220	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 22/05/1998 Expiry Date: 05/02/2008 Issue No: 100 Version Start Date: 22/05/1998 Version End Date: -

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



5.7 Surface water abstractions

Records within 2000m

12

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

Features are displayed on the Abstractions and Source Protection Zones map on [page 55 >](#)

ID	Location	Details	
-	1057m NE	Status: Historical Licence No: 2569002270 Details: Boiler Feed Direct Source: Surface, Non-Tidal - North West Region Point: RIVER ROCH AT HEYWOOD Data Type: Line Name: ROE ACRE DYEING & FELTING CO LTD Easting: 386620 Northing: 411500	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: - Expiry Date: - Issue No: 100 Version Start Date: 17/06/1999 Version End Date: -
-	1057m NE	Status: Historical Licence No: 2569002270 Details: Process water Direct Source: Surface, Non-Tidal - North West Region Point: RIVER ROCH AT HEYWOOD Data Type: Line Name: ROE ACRE DYEING & FELTING CO LTD Easting: 386620 Northing: 411500	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: - Expiry Date: - Issue No: 100 Version Start Date: 17/06/1999 Version End Date: -
-	1077m N	Status: Historical Licence No: 2569002255 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Surface, Non-Tidal - North West Region Point: NADEN BROOK AT SIMPSON CLOUGH, HEYWOOD 112 Data Type: Point Name: J R CROMPTON LTD Easting: 385360 Northing: 412230	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 12/02/1993 Expiry Date: - Issue No: 101 Version Start Date: 10/10/2000 Version End Date: -



ID	Location	Details	
-	1077m N	Status: Historical Licence No: 2569002255 Details: General use relating to Secondary Category (Medium Loss) Direct Source: "Surface, Non-Tidal - North West Region" Point: "NADEN BROOK AT SIMPSON CLOUGH, HEYWOOD \$112" Data Type: Point Name: J R CROMPTON LTD Easting: 385360 Northing: 412230	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 12/02/1993 Expiry Date: - Issue No: 101 Version Start Date: 10/10/2000 Version End Date: -
-	1077m N	Status: Historical Licence No: 2569002255 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Surface, Non-Tidal - North West Region Point: NADEN BROOK AT SIMPSON CLOUGH, HEYWOOD \$112 Data Type: Point Name: J R CROMPTON LTD Easting: 385360 Northing: 412230	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 12/02/1993 Expiry Date: - Issue No: 101 Version Start Date: 10/10/2000 Version End Date: -
-	1077m N	Status: Historical Licence No: 2569002255 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: Surface, Non-Tidal - North West Region Point: NADEN BROOK AT SIMPSON CLOUGH, HEYWOOD Data Type: Point Name: UNION PAPERTECH LIMITED Easting: 385360 Northing: 412230	Annual Volume (m ³): 2136620 Max Daily Volume (m ³): 6219 Original Application No: 949 Original Start Date: 12/02/1993 Expiry Date: - Issue No: 102 Version Start Date: 13/08/2007 Version End Date: -
-	1254m N	Status: Historical Licence No: 2569002166 Details: Process water Direct Source: "Surface, Non-Tidal - North West Region" Point: "CHEESDEN BRK AT SIMPSON CLOUGH, HEYWOOD" Data Type: Point Name: J R CROMPTON LTD Easting: 385300 Northing: 412400	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 24/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 21/05/2001 Version End Date: -



ID	Location	Details	
-	1254m N	Status: Historical Licence No: 2569002166 Details: Boiler Feed Direct Source: "Surface, Non-Tidal - North West Region" Point: "CHEESDEN BRK AT SIMPSON CLOUGH, HEYWOOD" Data Type: Point Name: J R CROMPTON LTD Easting: 385300 Northing: 412400	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 24/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 21/05/2001 Version End Date: -
-	1254m N	Status: Historical Licence No: 2569002166 Details: Boiler Feed Direct Source: Surface, Non-Tidal - North West Region Point: CHEESDEN BRK AT SIMPSON CLOUGH, HEYWOOD Data Type: Point Name: J R CROMPTON LTD Easting: 385300 Northing: 412400	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 24/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 21/05/2001 Version End Date: -
-	1254m N	Status: Historical Licence No: 2569002166 Details: Process water Direct Source: Surface, Non-Tidal - North West Region Point: CHEESDEN BRK AT SIMPSON CLOUGH, HEYWOOD Data Type: Point Name: J R CROMPTON LTD Easting: 385300 Northing: 412400	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 24/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 21/05/2001 Version End Date: -
-	1254m N	Status: Historical Licence No: 2569002166 Details: Process Water Direct Source: Surface, Non-Tidal - North West Region Point: CHEESDEN BROOK AT SIMPSON CLOUGH HEYWOOD Data Type: Point Name: UNION PAPERTECH LIMITED Easting: 385300 Northing: 412400	Annual Volume (m ³): 2136620 Max Daily Volume (m ³): 12437.86 Original Application No: 949 Original Start Date: 24/01/1966 Expiry Date: - Issue No: 101 Version Start Date: 13/08/2007 Version End Date: -



ID	Location	Details	
-	1254m N	Status: Historical Licence No: 2569002166 Details: Boiler Feed Direct Source: Surface, Non-Tidal - North West Region Point: CHEESDEN BROOK AT SIMPSON CLOUGH HEYWOOD Data Type: Point Name: UNION PAPERTECH LIMITED Easting: 385300 Northing: 412400	Annual Volume (m ³): 2136620 Max Daily Volume (m ³): 12437.86 Original Application No: 949 Original Start Date: 24/01/1966 Expiry Date: - Issue No: 101 Version Start Date: 13/08/2007 Version End Date: -

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

5.8 Potable abstractions

Records within 2000m	0
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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
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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
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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

0

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

This data is sourced from the Ordnance Survey.

6.2 Surface water features

Records within 250m

0

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.



This data is sourced from the Ordnance Survey.

6.3 WFD Surface water body catchments

Records on site	1
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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 65 >](#)

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

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

6.4 WFD Surface water bodies

Records identified	1
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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 65 >](#)

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
2	354m E	River	Roch (Spodden to Irwell)	GB112069064600 ↗	Moderate	Fail	Moderate	2019

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



6.5 WFD Groundwater bodies

Records on site

1

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

Features are displayed on the Hydrology map on [page 65 >](#)

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

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



7 River and coastal flooding

7.1 Risk of flooding from rivers and the sea

Records within 50m

0

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

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

7.2 Historical Flood Events

Records within 250m

0

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

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

7.3 Flood Defences

Records within 250m

0

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

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



7.4 Areas Benefiting from Flood Defences

Records within 250m

0

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

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

7.5 Flood Storage Areas

Records within 250m

0

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

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



River and coastal flooding - Flood Zones

7.6 Flood Zone 2

Records within 50m

0

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

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

7.7 Flood Zone 3

Records within 50m

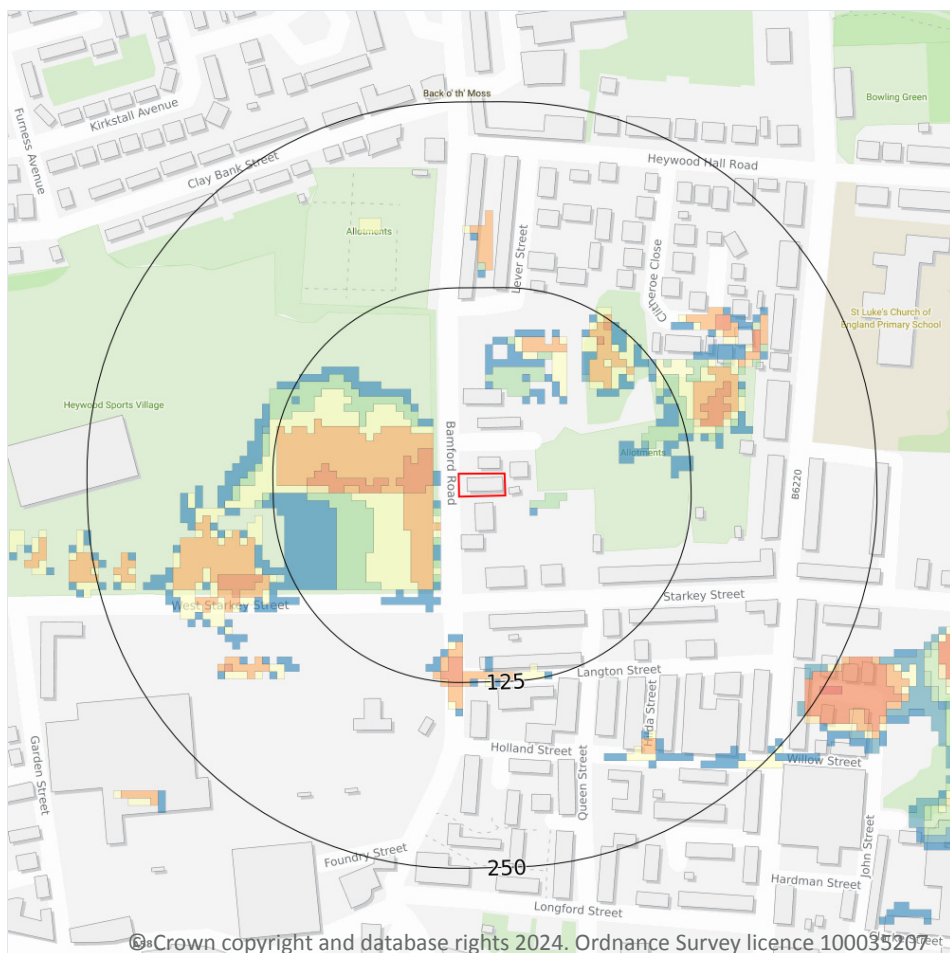
0

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

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



8 Surface water flooding



— Site Outline

Search buffers in metres (m)

1 in 1000 return period

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

1 in 250 return period

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

1 in 100 return period

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

1 in 30 return period

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

8.1 Surface water flooding

Highest risk on site

Negligible

Highest risk within 50m

1 in 30 year, 0.3m - 1.0m

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

Features are displayed on the Surface water flooding map on [page 71 >](#)

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



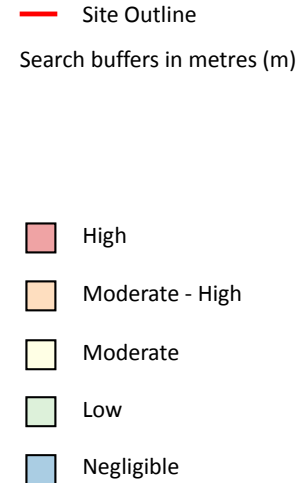
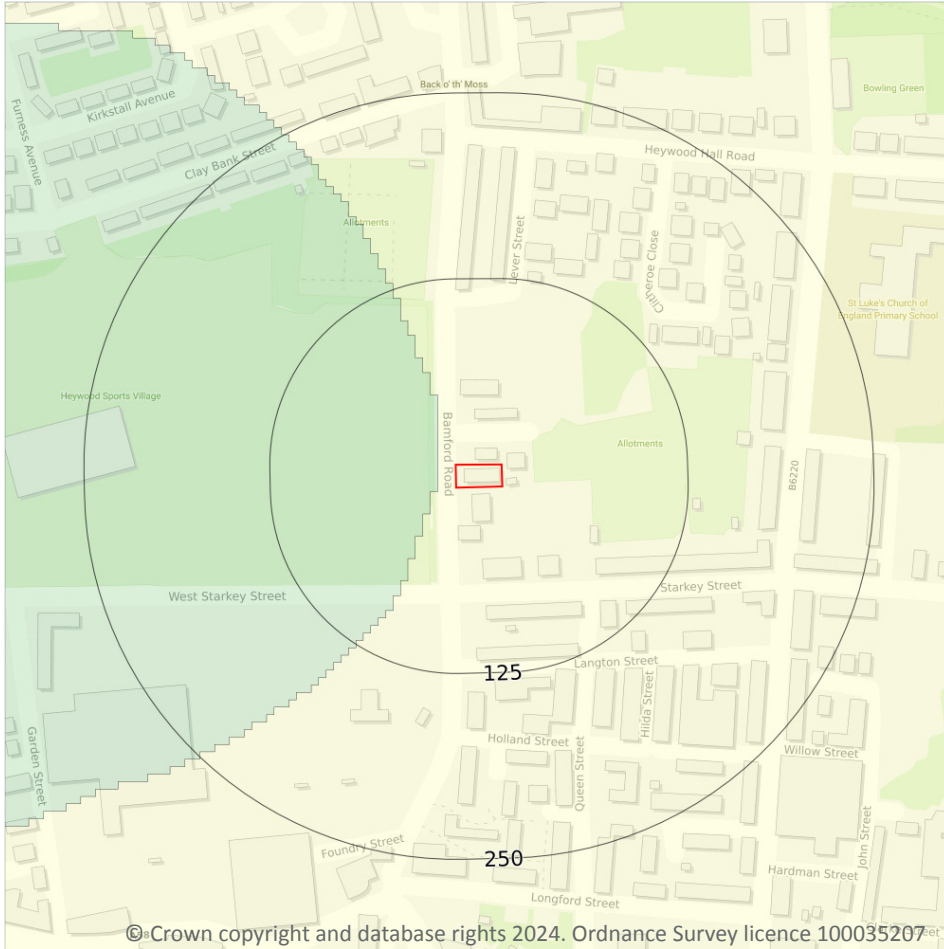
The table below shows the maximum flood depths for a range of return periods for the site.

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

This data is sourced from Ambiantal Risk Analytics.



9 Groundwater flooding



9.1 Groundwater flooding

Highest risk on site

Moderate

Highest risk within 50m

Moderate

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

Features are displayed on the Groundwater flooding map on [page 73 >](#)

This data is sourced from Ambient 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**11**

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 74 >](#)

ID	Location	Name	Woodland Type
2	872m NW	Unknown	Ancient & Semi-Natural Woodland
3	892m NW	Simpson Clough Wood	Ancient & Semi-Natural Woodland
4	1003m N	Jowkin Wood	Ancient & Semi-Natural Woodland
5	1122m N	Jowkin Wood	Ancient & Semi-Natural Woodland
6	1146m W	Unknown	Ancient & Semi-Natural Woodland
7	1271m NE	Unknown	Ancient & Semi-Natural Woodland
-	1404m N	Jowkin Wood	Ancient & Semi-Natural Woodland
-	1679m N	Jowkin Wood	Ancient & Semi-Natural Woodland
-	1690m N	Jowkin Wood	Ancient & Semi-Natural Woodland
-	1765m NE	Springfield Wood	Ancient & Semi-Natural Woodland
-	1933m NE	River Rock Wood (2)	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**2**

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

Features are displayed on the Environmental designations map on [page 74 >](#)

ID	Location	Name	Local Authority name
1	360m N	Merseyside and Greater Manchester	Rochdale
-	1671m W	Merseyside and Greater Manchester	Bury

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



10.12 Proposed Ramsar sites

Records within 2000m**0**

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

This data is sourced from Natural England.

10.13 Possible Special Areas of Conservation (pSAC)

Records within 2000m**0**

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

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

10.14 Potential Special Protection Areas (pSPA)

Records within 2000m**0**

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

This data is sourced from Natural England.

10.15 Nitrate Sensitive Areas

Records within 2000m**0**

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

This data is sourced from Natural England.



10.16 Nitrate Vulnerable Zones

Records within 2000m

0

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

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



SSSI Impact Zones and Units



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

10.17 SSSI Impact Risk Zones

Records on site

1

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

Features are displayed on the SSSI Impact Zones and Units map on [page 80 >](#)



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

This data is sourced from Natural England.

10.18 SSSI Units

Records within 2000m	0
----------------------	---

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

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



11 Visual and cultural designations

11.1 World Heritage Sites

Records within 250m

0

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

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

11.2 Area of Outstanding Natural Beauty

Records within 250m

0

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

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

11.3 National Parks

Records within 250m

0

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

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

11.4 Listed Buildings

Records within 250m

0

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



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

11.5 Conservation Areas

Records within 250m

0

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

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

11.6 Scheduled Ancient Monuments

Records within 250m

0

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

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

11.7 Registered Parks and Gardens

Records within 250m

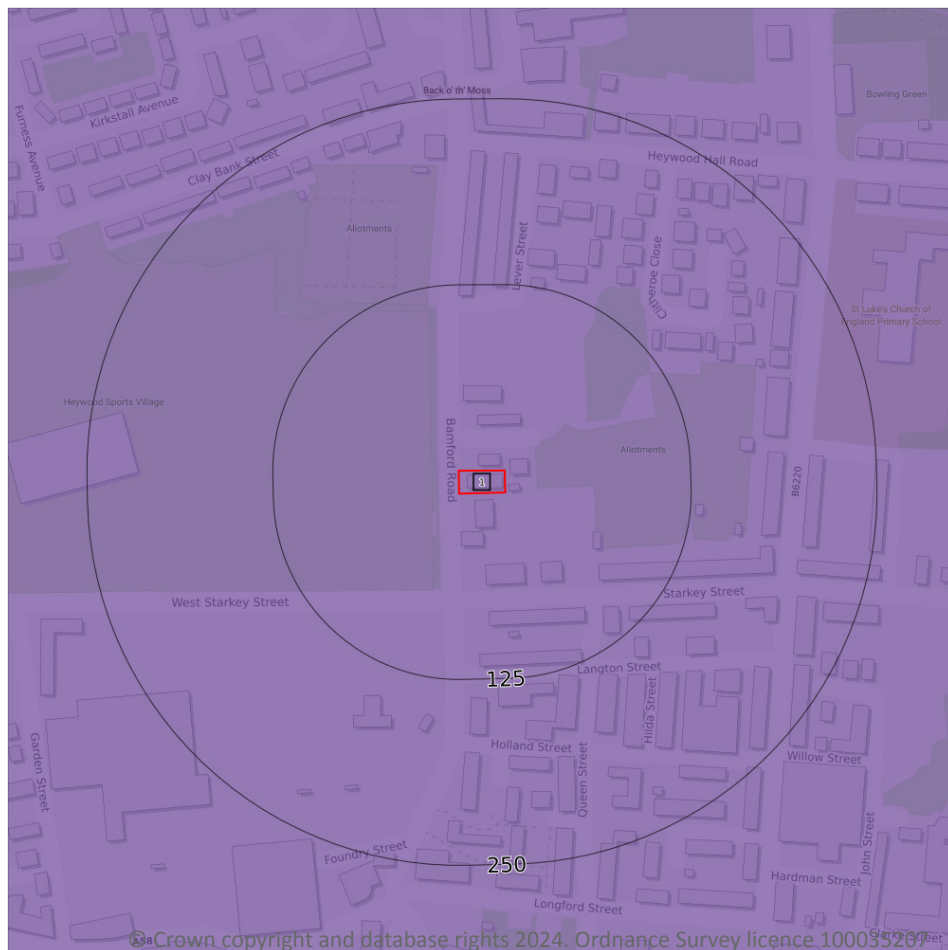
0

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

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



12 Agricultural designations



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

12.1 Agricultural Land Classification

Records within 250m

1

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

Features are displayed on the Agricultural designations map on [page 84](#) >

ID	Location	Classification	Description
1	On site	Urban	Non-agricultural/no quality assigned

This data is sourced from Natural England.



12.2 Open Access Land

Records within 250m

0

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

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

12.3 Tree Felling Licences

Records within 250m

0

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

This data is sourced from the Forestry Commission.

12.4 Environmental Stewardship Schemes

Records within 250m

0

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

This data is sourced from Natural England.

12.5 Countryside Stewardship Schemes

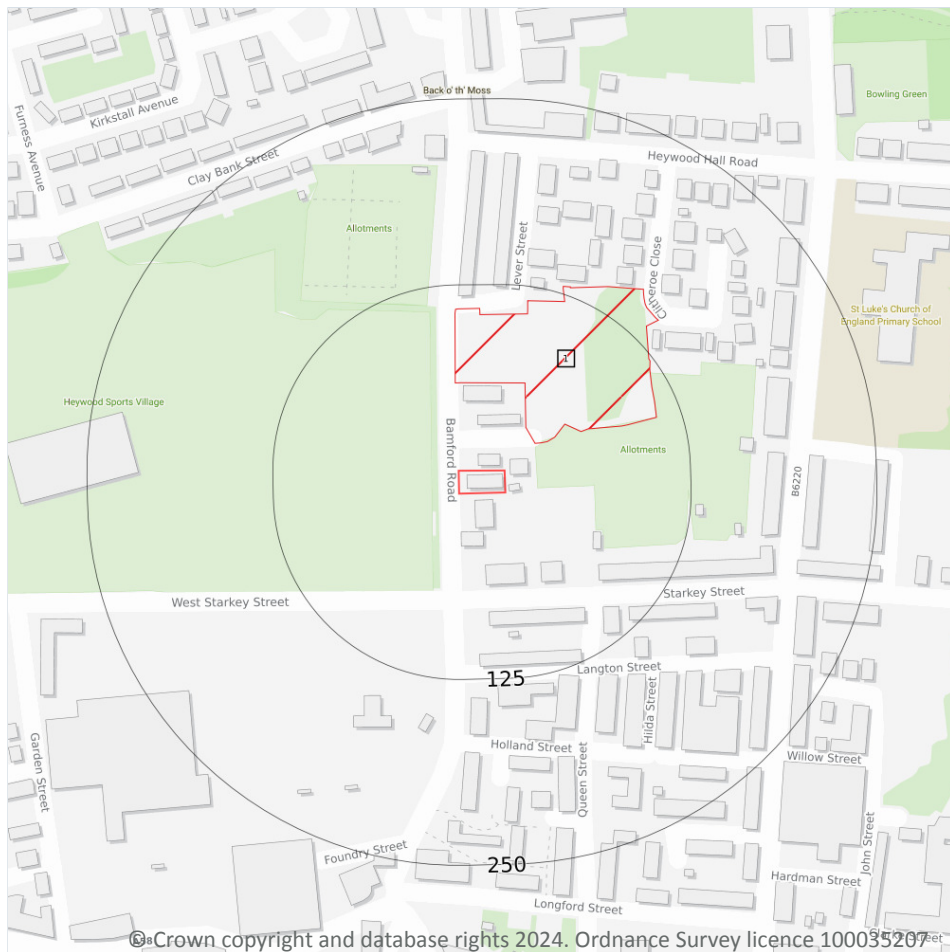
Records within 250m

0

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

This data is sourced from Natural England.

13 Habitat designations



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

13.1 Priority Habitat Inventory

Records within 250m

0

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

This data is sourced from Natural England.

13.2 Habitat Networks

Records within 250m

0

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

This data is sourced from Natural England.



13.3 Open Mosaic Habitat

Records within 250m	1
---------------------	---

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

Features are displayed on the Habitat designations map on [page 86](#) >

ID	Location	Site reference	Identification confidence	Primary source	Secondary source	Tertiary source
1	27m NE	NLUD Ref: 422500201	Low	National Land Use Database - Previously Developed Land	UK Perspectives Aerial Photography	-

This data is sourced from Natural England.

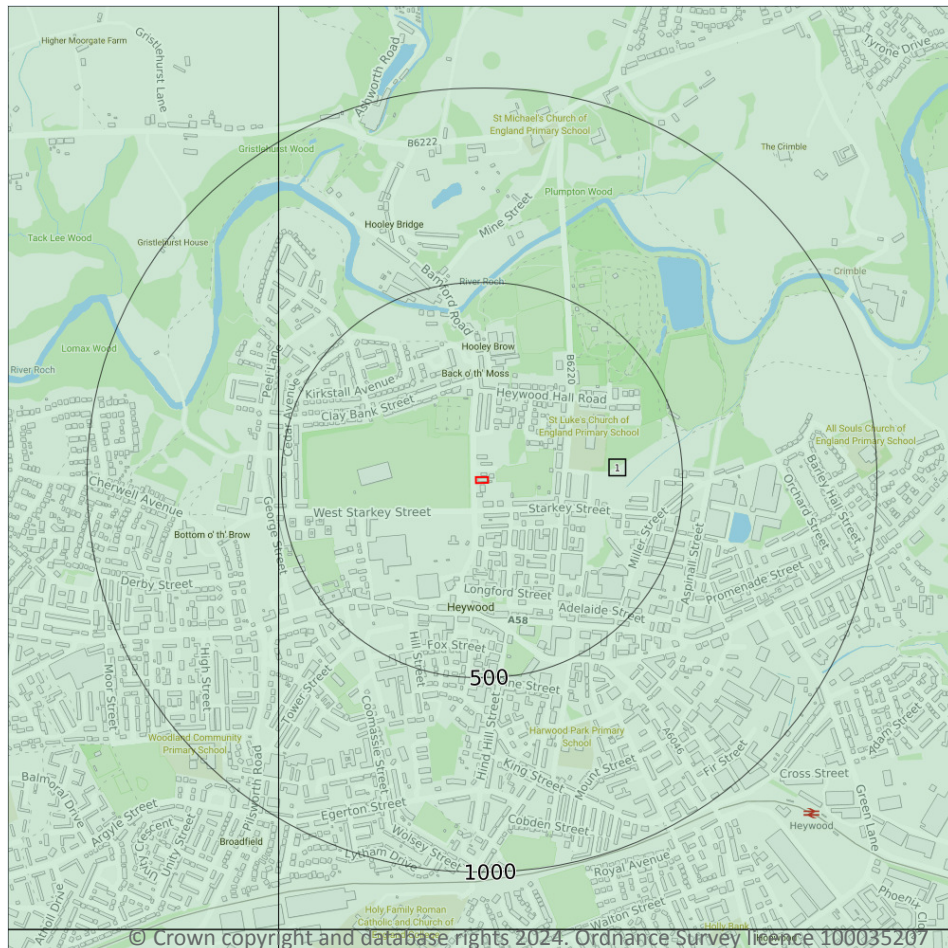
13.4 Limestone Pavement Orders

Records within 250m	0
---------------------	---

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

This data is sourced from Natural England.

14 Geology 1:10,000 scale - Availability



— Site Outline
Search buffers in metres (m)

- Full coverage
- Partial coverage
- No coverage

14.1 10k Availability

Records within 500m

1

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

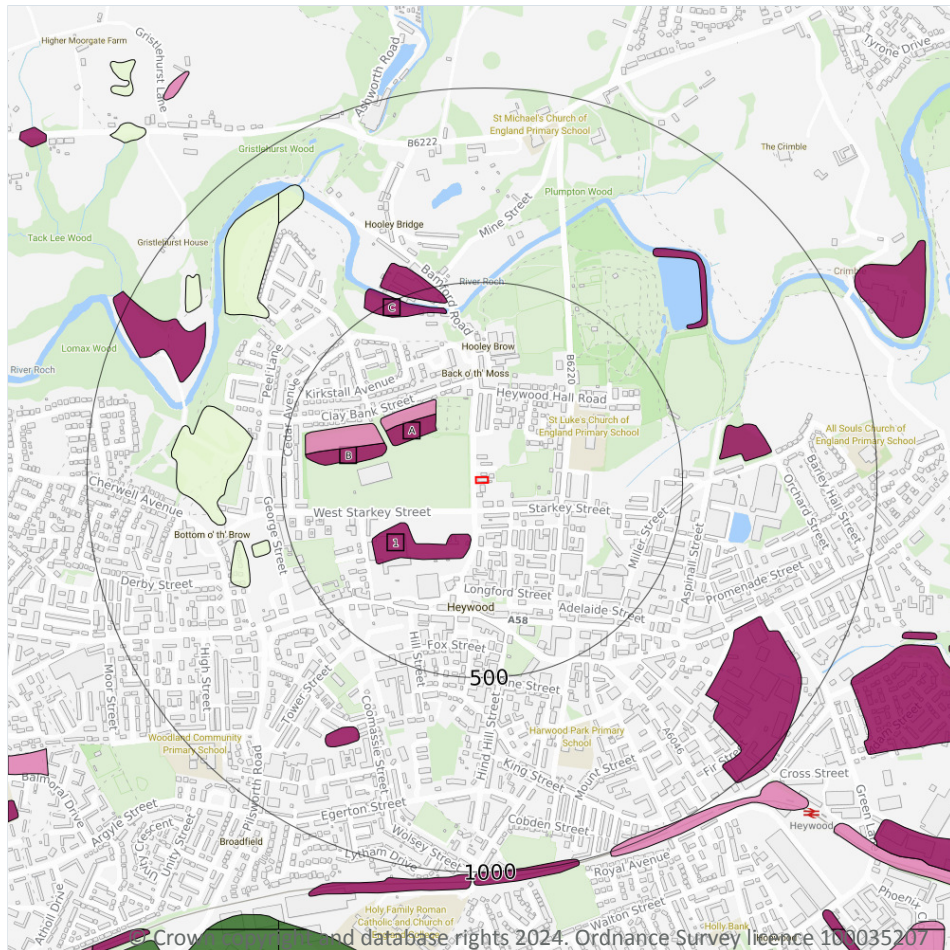
Features are displayed on the Geology 1:10,000 scale - Availability map on [page 88](#) >

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

This data is sourced from the British Geological Survey.



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



— Site Outline
Search buffers in metres (m)

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

14.2 Artificial and made ground (10k)

Records within 500m

7

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 89](#) >

ID	Location	LEX Code	Description	Rock description
1	133m S	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
A	157m NW	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
A	192m NW	WGR-VOID	Worked Ground (Undivided)	Void
B	240m W	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit

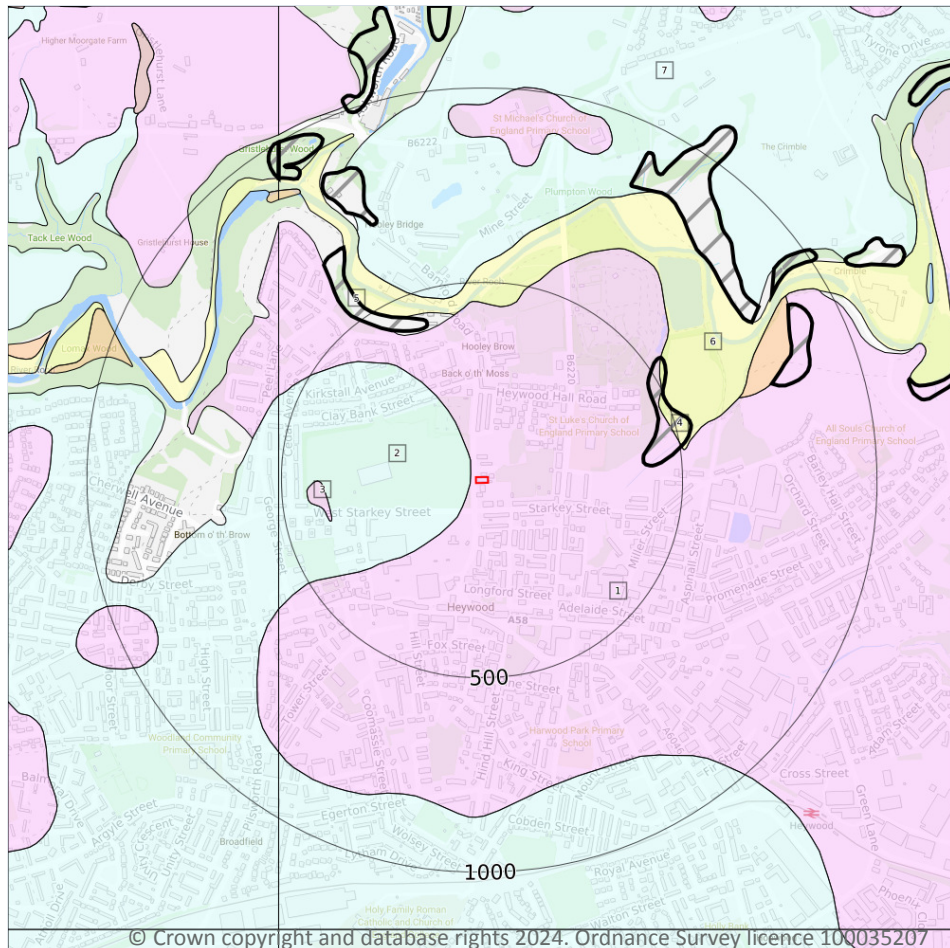


ID	Location	LEX Code	Description	Rock description
B	251m W	WGR-VOID	Worked Ground (Undivided)	Void
C	427m N	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
C	455m N	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Superficial



Site Outline

Search buffers in metres (m)

Landslip (10k)

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

14.3 Superficial geology (10k)

Records within 500m

5

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 91](#) >

ID	Location	LEX Code	Description	Rock description
1	On site	GFDUD-XSV	Glaciofluvial Deposits, Devensian - Sand And Gravel	Sand And Gravel
2	14m W	TILLD-DMTN	Till, Devensian - Diamicton	Diamicton
3	381m W	GFDUD-XSV	Glaciofluvial Deposits, Devensian - Sand And Gravel	Sand And Gravel
6	420m N	ALV-XCZSV	Alluvium - Clay, Silt, Sand And Gravel	Clay, Silt, Sand And Gravel



ID	Location	LEX Code	Description	Rock description
7	466m N	TILLD-DMTN	Till, Devensian - Diamicton	Diamicton

This data is sourced from the British Geological Survey.

14.4 Landslip (10k)

Records within 500m

2

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

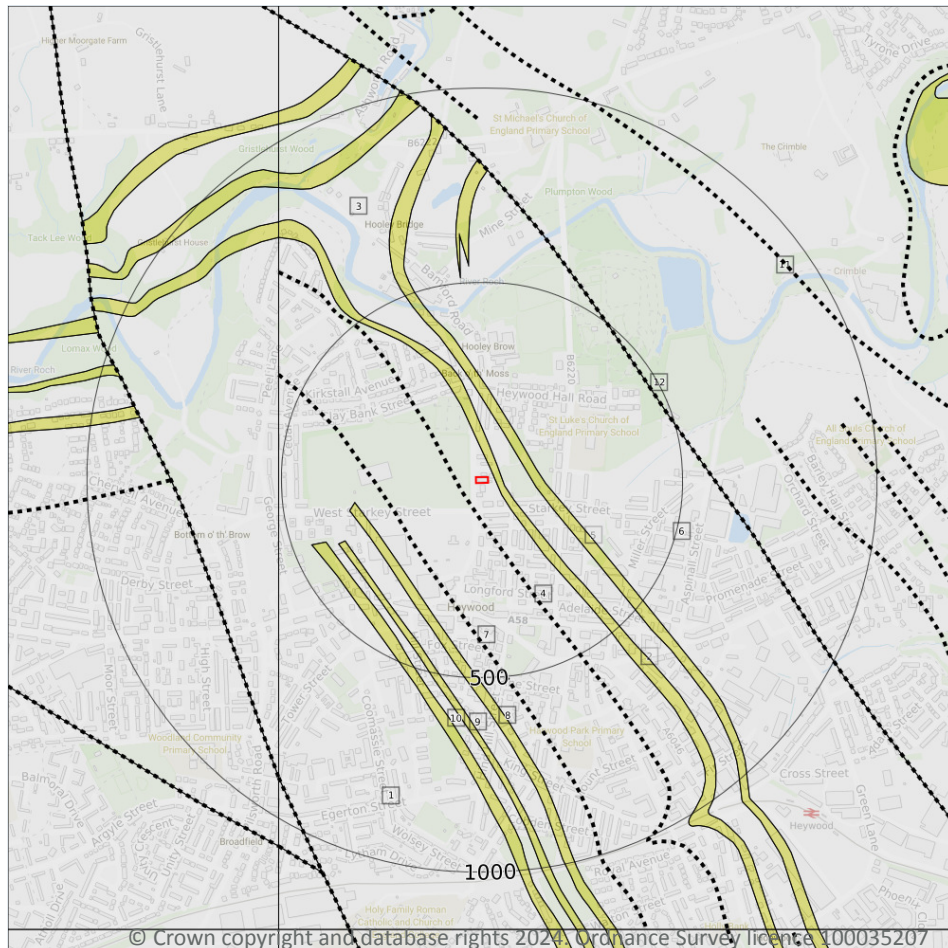
Features are displayed on the Geology 1:10,000 scale - Superficial map on [page 91](#) >

ID	Location	LEX Code	Description	Rock description
4	402m E	SLIP-UNKNOWN	Landslide Deposits	Unknown/unclassified Entry
5	405m N	SLIP-UNKNOWN	Landslide Deposits	Unknown/unclassified Entry

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Bedrock



Site Outline

Search buffers in metres (m)

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

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

14.5 Bedrock geology (10k)

Records within 500m

9

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

Features are displayed on the Geology 1:10,000 scale - Bedrock map on [page 93](#) >

ID	Location	LEX Code	Description	Rock age
1	On site	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age
2	15m NE	RSC-SDST	Riddle Scout Rock - Sandstone	Langsettian Sub-age
3	33m E	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age



ID	Location	LEX Code	Description	Rock age
5	93m NE	OL-SDST	Old Lawrence Rock - Sandstone	Langsettian Sub-age
6	118m NE	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age
8	281m SW	PLCM-SDST	Pennine Lower Coal Measures Formation - Sandstone	Langsettian Sub-age
9	361m SW	PLCM-SDST	Pennine Lower Coal Measures Formation - Sandstone	Langsettian Sub-age
10	401m SW	PLCM-SDST	Pennine Lower Coal Measures Formation - Sandstone	Langsettian Sub-age
11	474m NE	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age

This data is sourced from the British Geological Survey.

14.6 Bedrock faults and other linear features (10k)

Records within 500m

3

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.

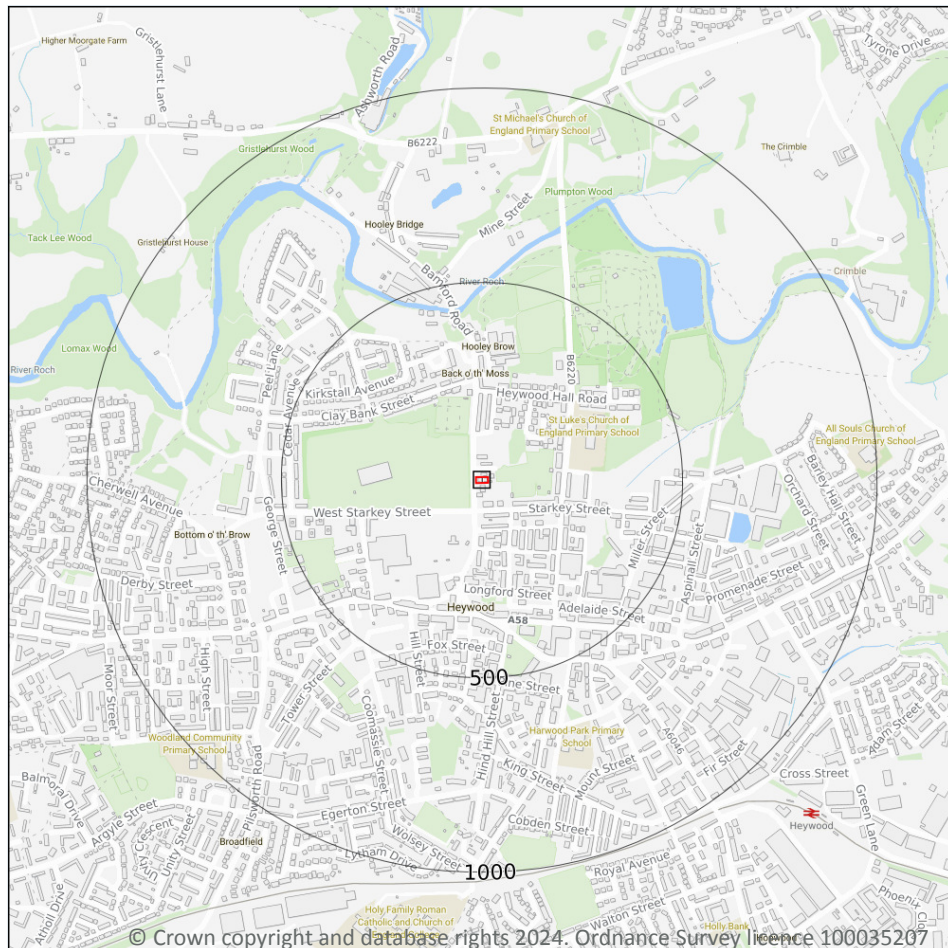
Features are displayed on the Geology 1:10,000 scale - Bedrock map on [page 93](#) >

ID	Location	Category	Description
4	42m SW	ROCK	Coal seam, inferred
7	218m SW	ROCK	Coal seam, inferred
12	474m NE	FAULT	Normal fault, inferred; crossmarks on downthrow side

This data is sourced from the British Geological Survey.



15 Geology 1:50,000 scale - Availability



— Site Outline

Search buffers in metres (m)

□ Geological map tile

15.1 50k Availability

Records within 500m

1

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

Features are displayed on the Geology 1:50,000 scale - Availability map on [page 95](#) >

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

This data is sourced from the British Geological Survey.



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

15.2 Artificial and made ground (50k)

Records within 500m

0

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

This data is sourced from the British Geological Survey.

15.3 Artificial ground permeability (50k)

Records within 50m

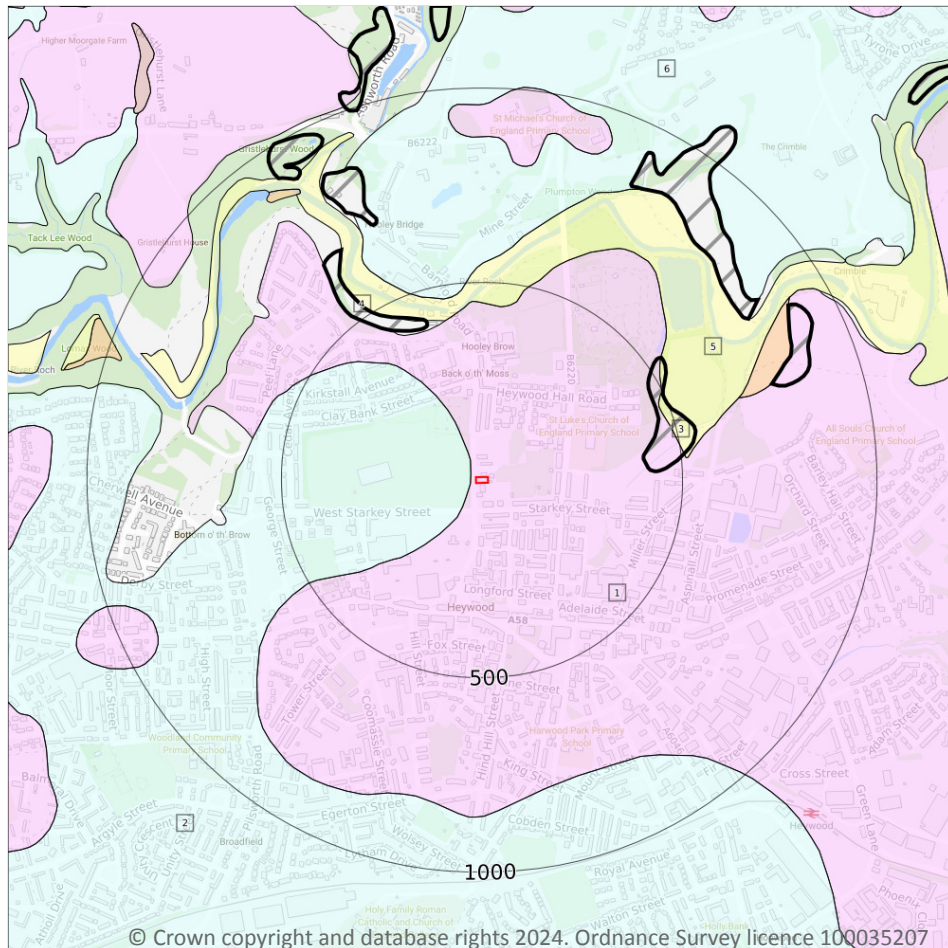
0

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

This data is sourced from the British Geological Survey.



Geology 1:50,000 scale - Superficial



Site Outline

Search buffers in metres (m)

Landslip (50k)

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

15.4 Superficial geology (50k)

Records within 500m

4

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 97](#) >

ID	Location	LEX Code	Description	Rock description
1	On site	GFDUD-XSV	GLACIOFLUVIAL DEPOSITS, DEVENSIAN	SAND AND GRAVEL
2	13m W	TILLD-DMTN	TILL, DEVENSIAN	DIAMICTON
5	410m N	ALV-XCZSV	ALLUVIUM	CLAY, SILT, SAND AND GRAVEL
6	465m N	TILLD-DMTN	TILL, DEVENSIAN	DIAMICTON



This data is sourced from the British Geological Survey.

15.5 Superficial permeability (50k)

Records within 50m

2

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

Location	Flow type	Maximum permeability	Minimum permeability
On site	Intergranular	Very High	High
13m W	Mixed	High	Low

This data is sourced from the British Geological Survey.

15.6 Landslip (50k)

Records within 500m

2

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

Features are displayed on the Geology 1:50,000 scale - Superficial map on [page 97](#) >

ID	Location	LEX Code	Description	Rock description
3	403m E	SLIP-UNKNOWN	LANDSLIDE DEPOSITS	UNKNOWN/UNCLASSIFIED ENTRY
4	405m N	SLIP-UNKNOWN	LANDSLIDE DEPOSITS	UNKNOWN/UNCLASSIFIED ENTRY

This data is sourced from the British Geological Survey.

15.7 Landslip permeability (50k)

Records within 50m

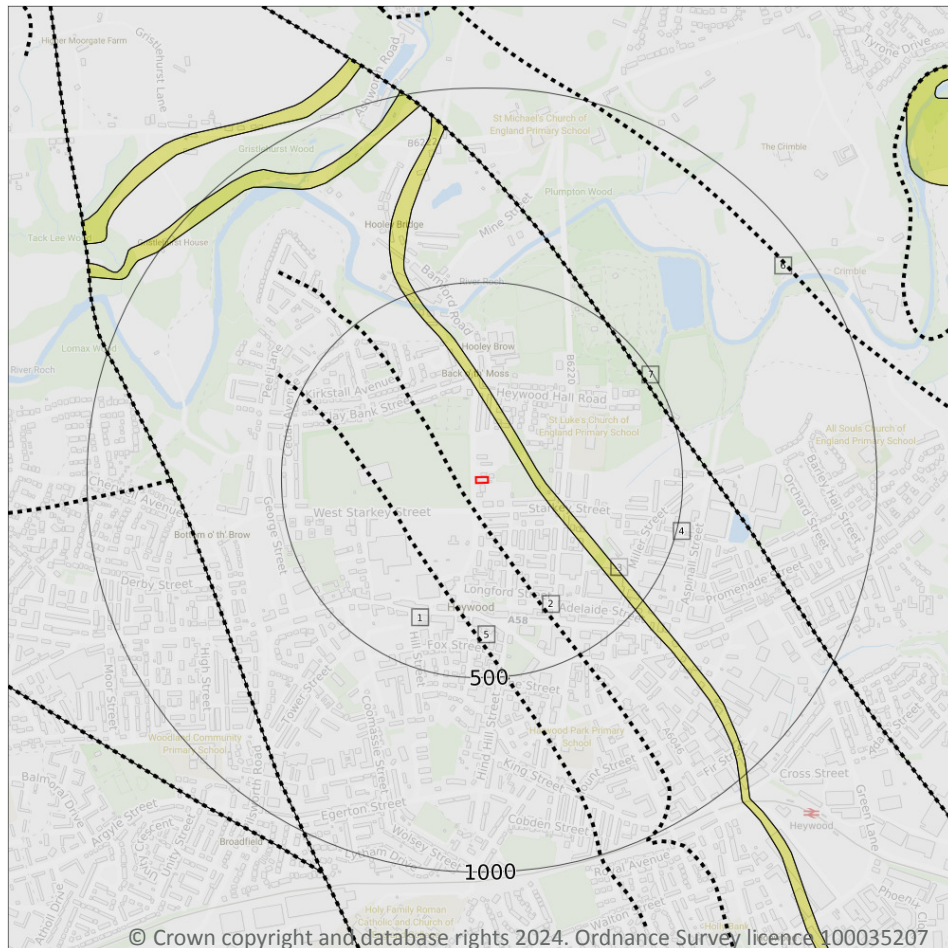
0

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

This data is sourced from the British Geological Survey.



Geology 1:50,000 scale - Bedrock



Site Outline

Search buffers in metres (m)

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

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

15.8 Bedrock geology (50k)

Records within 500m

4

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 99](#) >

ID	Location	LEX Code	Description	Rock age
1	On site	PLCM-MDSS	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
3	93m NE	OL-SDST	OLD LAWRENCE ROCK - SANDSTONE	WESTPHALIAN
4	118m NE	PLCM-MDSS	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN



ID	Location	LEX Code	Description	Rock age
6	474m NE	PLCM-MDSS	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN

This data is sourced from the British Geological Survey.

15.9 Bedrock permeability (50k)

Records within 50m

1

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

3

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.

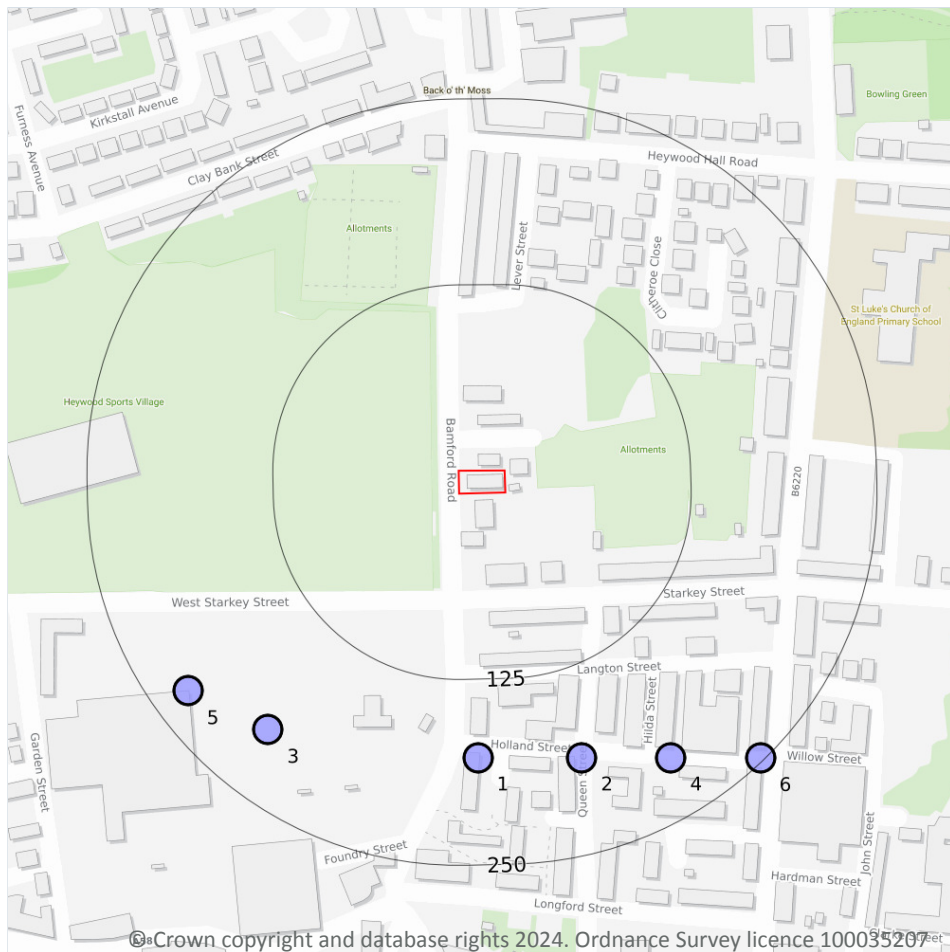
Features are displayed on the Geology 1:50,000 scale - Bedrock map on [page 99](#) >

ID	Location	Category	Description
2	42m SW	ROCK	Coal seam, inferred
5	218m SW	ROCK	Coal seam, inferred
7	474m NE	FAULT	Fault, inferred

This data is sourced from the British Geological Survey.



16 Boreholes



- Site Outline**
- Search buffers in metres (m)**
- Confidential
 - 0 - 10m
 - 10 - 30m
 - 30m+
 - Unknown

16.1 BGS Boreholes

Records within 250m

6

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 101](#) >

ID	Location	Grid reference	Name	Length	Confidential	Web link
1	178m S	385520 410970	HEYWOOD EAST SEWER 1	8.0	N	30011 ↗
2	186m S	385590 410970	HEYWOOD EAST SEWER 2	7.0	N	30012 ↗

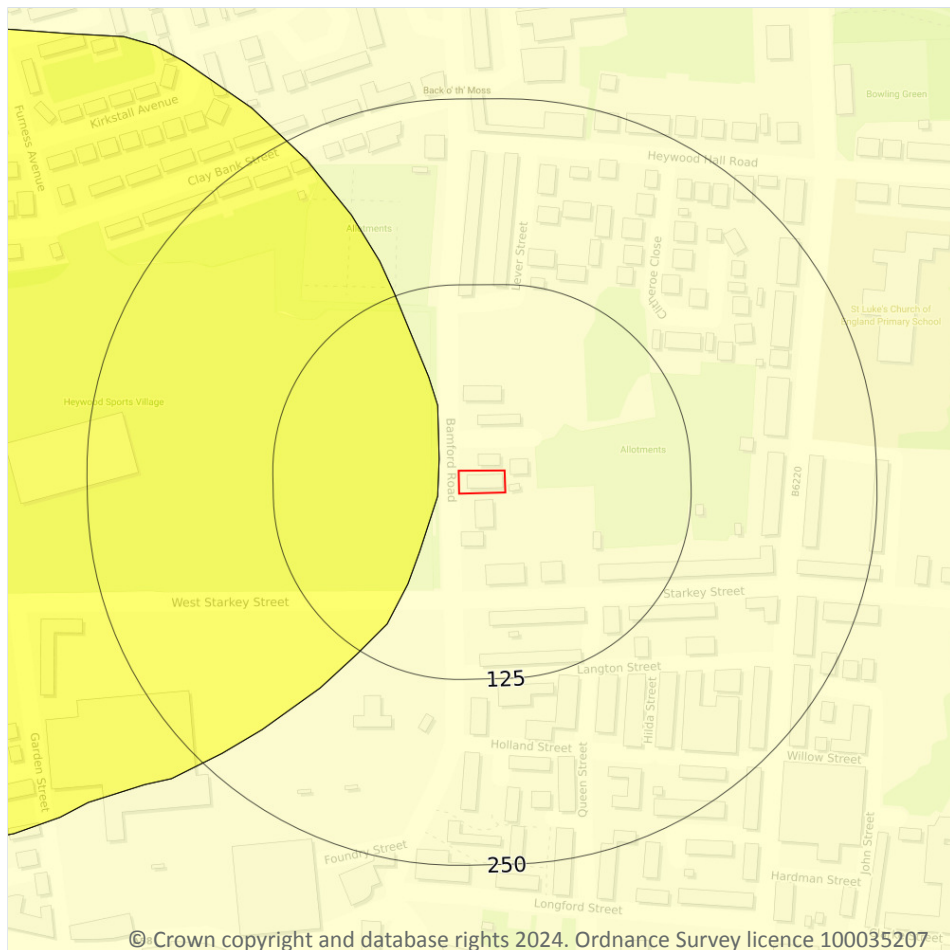


ID	Location	Grid reference	Name	Length	Confidential	Web link
3	204m SW	385379 410989	HEYWOOD RETAIL PARK, DAWSON STREET, HEYWOOD TP9	3.3	N	18908962 ↗
4	210m SE	385650 410970	HEYWOOD EAST SEWER 3	7.5	N	30013 ↗
5	226m SW	385325 411015	HEYWOOD RETAIL PARK, DAWSON STREET, HEYWOOD TP4	2.2	N	18908956 ↗
6	248m SE	385710 410970	HEYWOOD EAST SEWER 4	7.0	N	30014 ↗

This data is sourced from the British Geological Survey.



17 Natural ground subsidence - Shrink swell clays



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

17.1 Shrink swell clays

Records within 50m

2

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

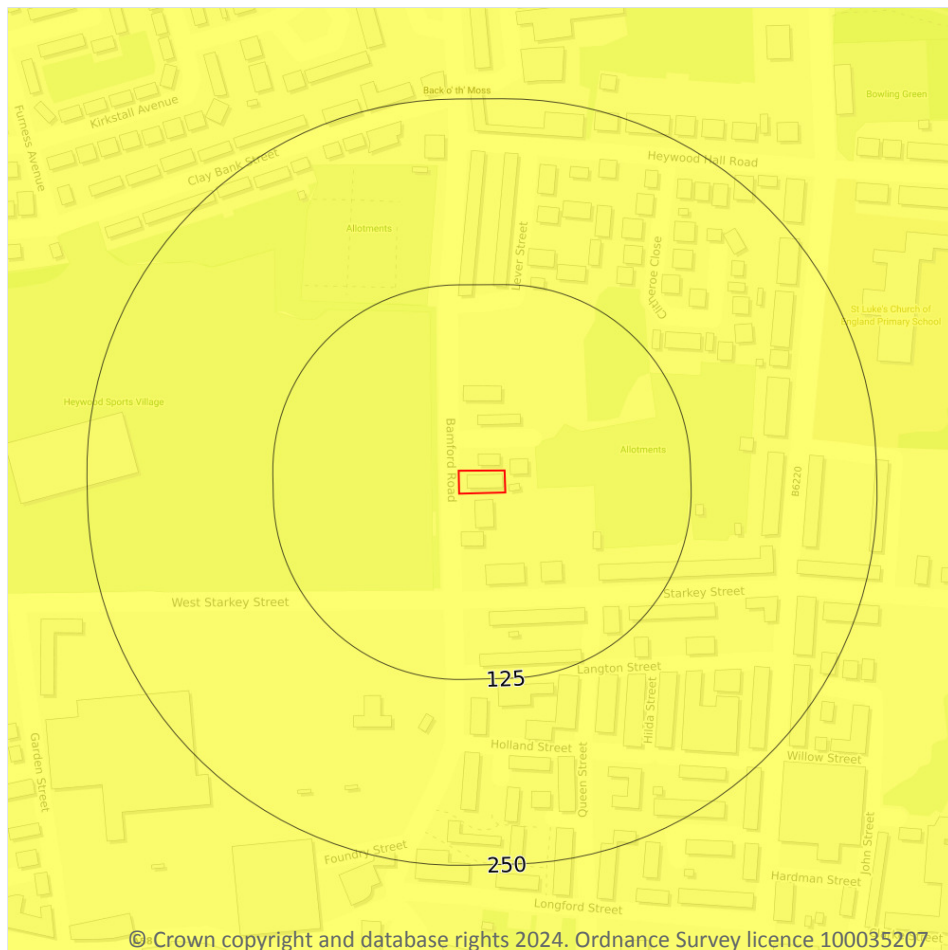
Features are displayed on the Natural ground subsidence - Shrink swell clays map on [page 103 >](#)

Location	Hazard rating	Details
On site	Negligible	Ground conditions predominantly non-plastic.
13m W	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.

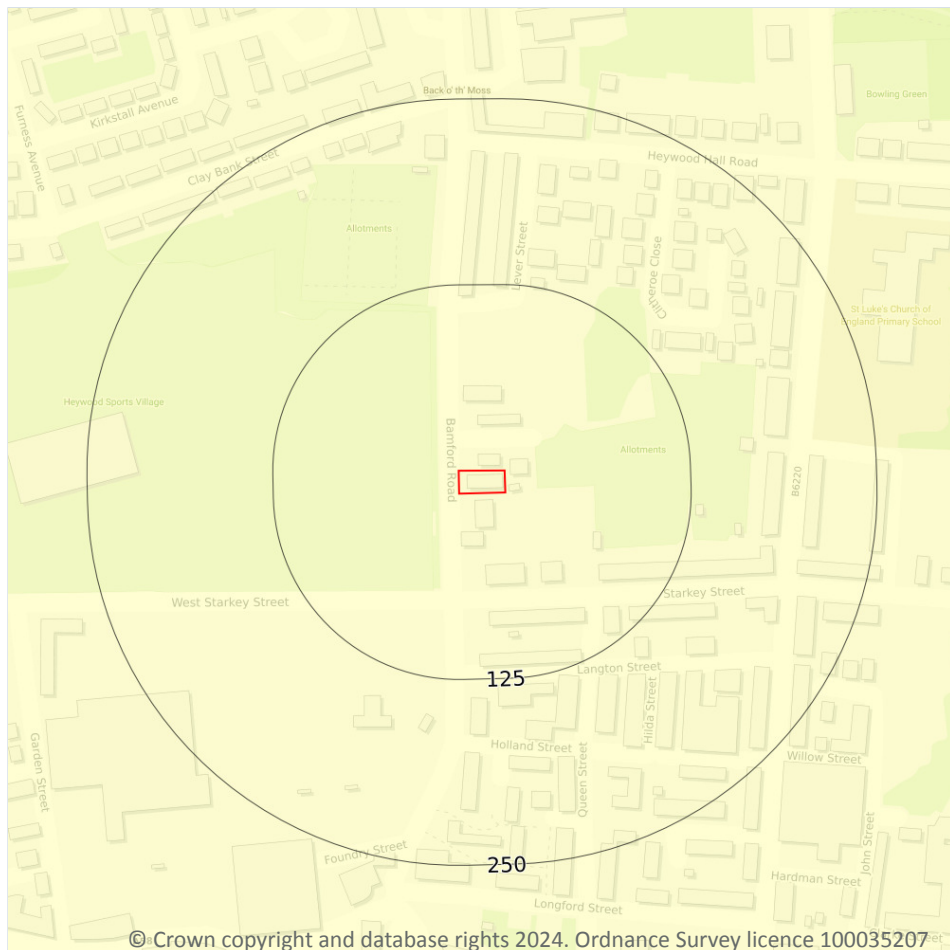
Features are displayed on the Natural ground subsidence - Running sands map on [page 104 >](#)

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

This data is sourced from the British Geological Survey.



Natural ground subsidence - Compressible deposits



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

17.3 Compressible deposits

Records within 50m

1

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

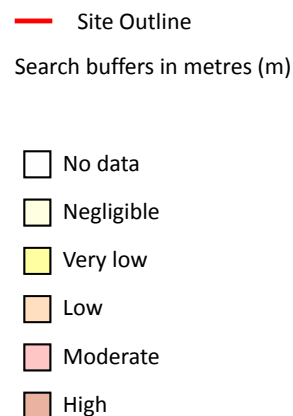
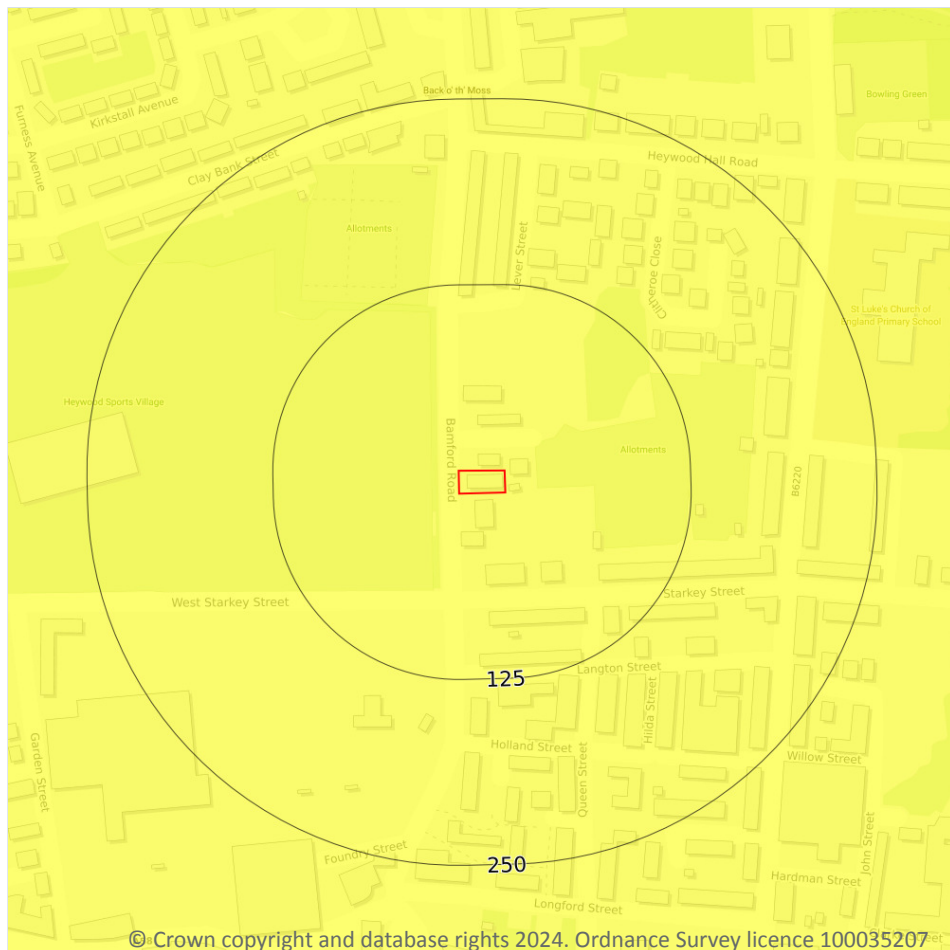
Features are displayed on the Natural ground subsidence - Compressible deposits map on [page 105 >](#)

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



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.

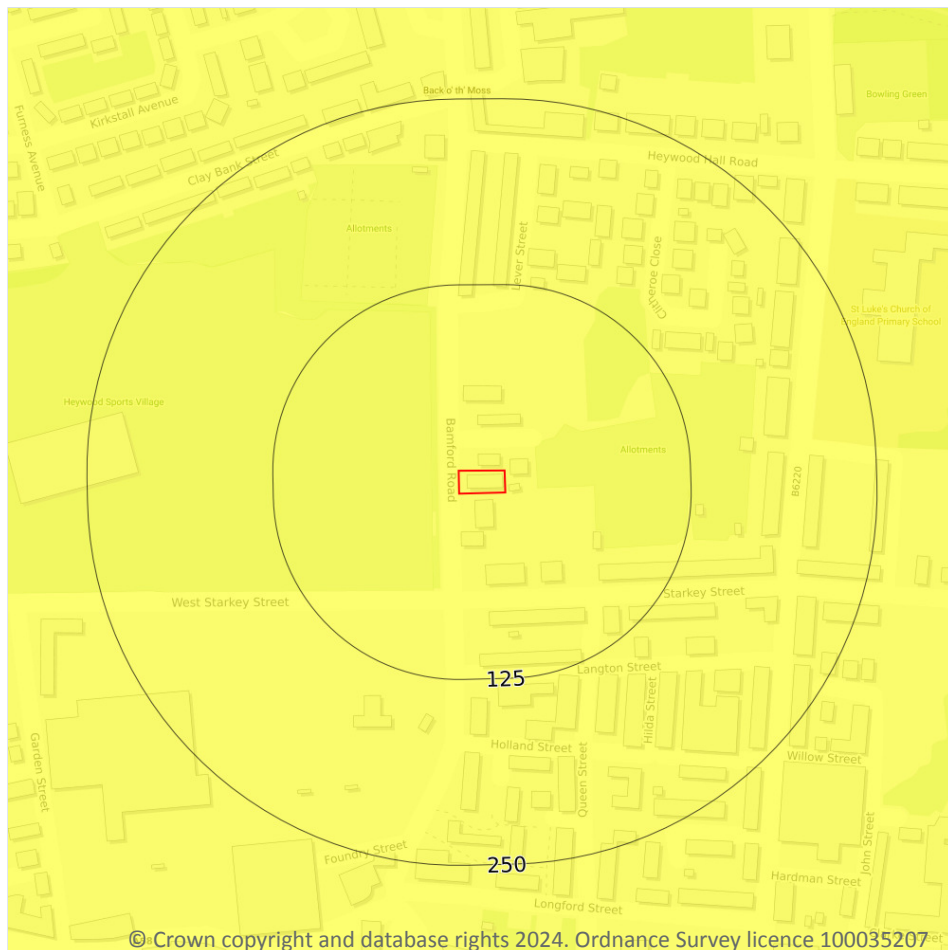
Features are displayed on the Natural ground subsidence - Collapsible deposits map on [page 106 >](#)

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.

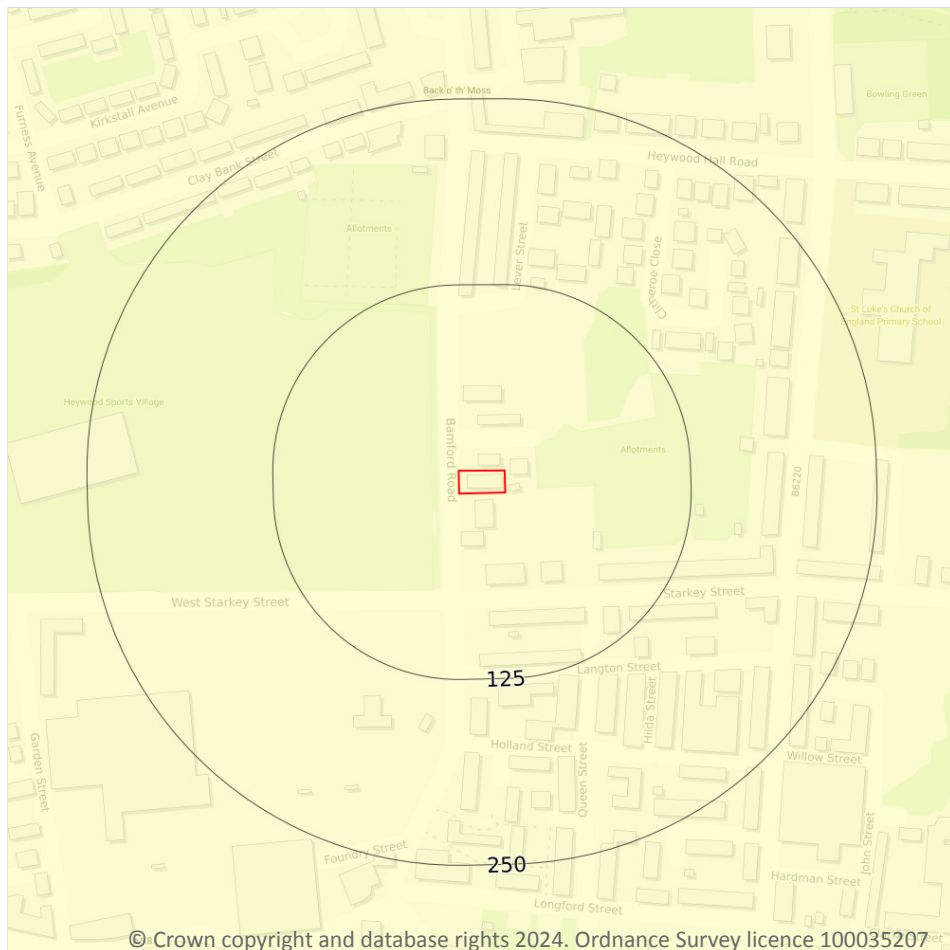
Features are displayed on the Natural ground subsidence - Landslides map on [page 107 >](#)

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 108 >](#)

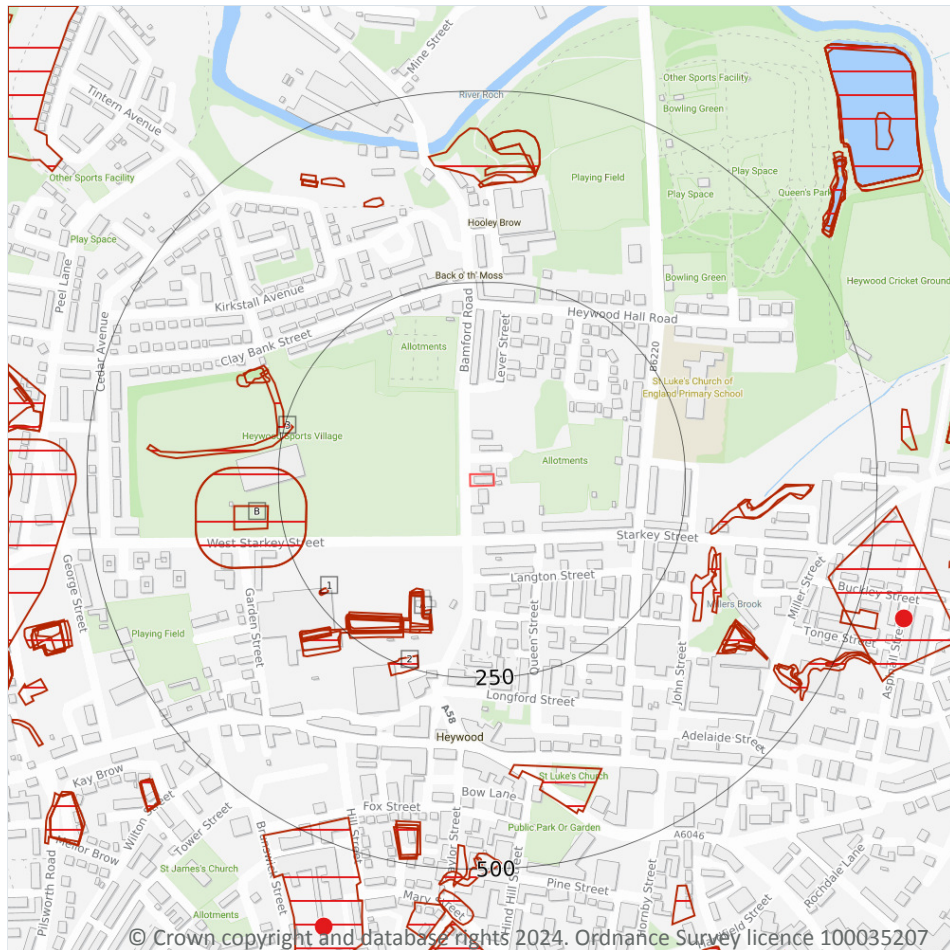
Location	Hazard rating	Details
On site	Negligible	Soluble rocks are either not thought to be present within the ground, or not prone to dissolution. Dissolution features are unlikely to be present.



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

0

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

This data is sourced from the British Geological Survey.



18.2 Surface ground workings

Records within 250m

14

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 110](#) >

ID	Location	Land Use	Year of mapping	Mapping scale
A	149m SW	Reservoirs	1956	1:10560
A	151m SW	Reservoirs	1938	1:10560
A	152m SW	Reservoirs	1928	1:10560
A	156m SW	Reservoirs	1909	1:10560
A	157m SW	Ponds	1890	1:10560
A	190m SW	Reservoirs	1956	1:10560
A	193m SW	Reservoirs	1928	1:10560
A	195m SW	Ponds	1851	1:10560
A	198m SW	Pond	1890	1:10560
B	215m W	Pool	1992	1:10000
B	215m W	Pool	1987	1:10000
1	230m SW	Filter Beds	1909	1:10560
2	232m S	Reservoirs	1928	1:10560
3	239m W	Unspecified Ground Workings	1992	1:10000

This is data is sourced from Ordnance Survey/Groundsure.

18.3 Underground workings

Records within 1000m

0

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

This is data is sourced from Ordnance Survey/Groundsure.



18.4 Underground mining extents

Records within 500m**0**

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

This data is sourced from Groundsure.

18.5 Historical Mineral Planning Areas

Records within 500m**0**

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

This data is sourced from the British Geological Survey.

18.6 Non-coal mining

Records within 1000m**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

0

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.

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

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

18.14 Gypsum areas

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

This data is sourced from British Gypsum.

18.15 Tin mining

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

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.

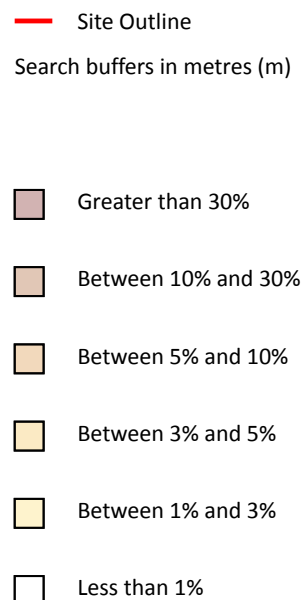
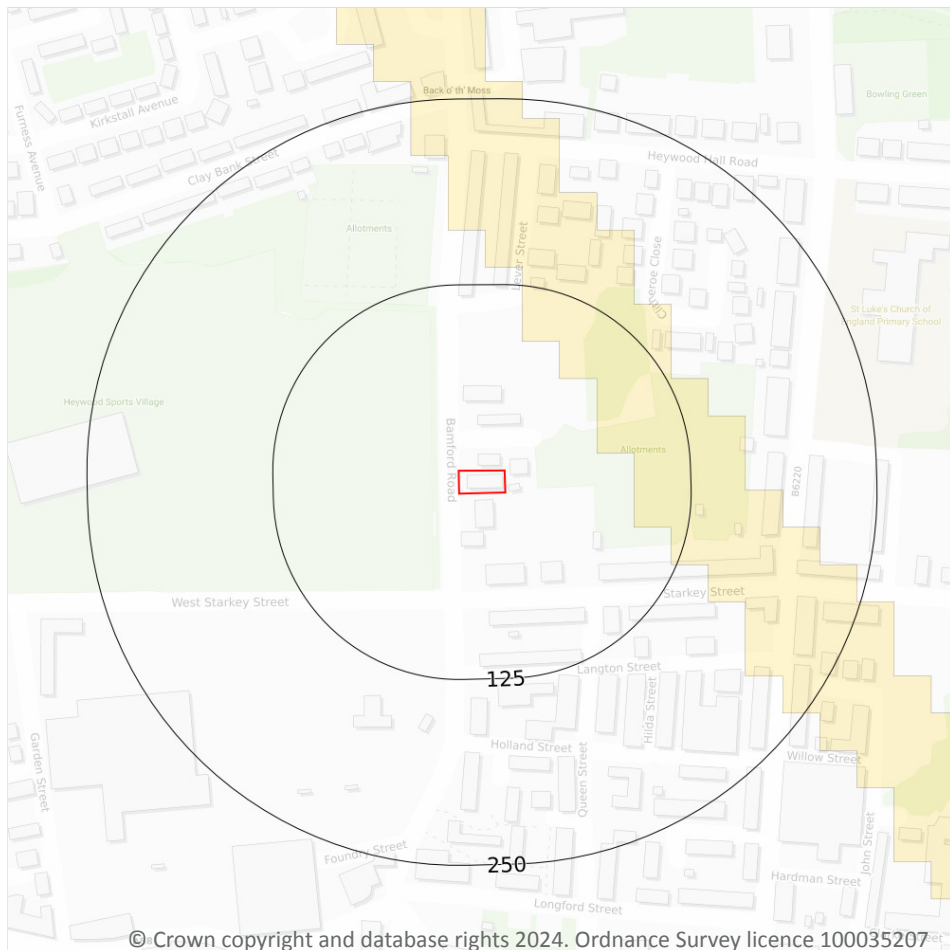
Since the database was set up in 2002 data covering most of the evaporite karst areas of the UK have now been added, along with data covering about 60% of the Chalk, and 35% of the Carboniferous Limestone outcrops. Many of the classic upland karst areas have yet to be included. Recorded so far are: Over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



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 117 >](#)

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

3

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

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	2.2 - 3.0 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
7m W	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 - 2.2 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
35m W	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 - 2.2 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 km²).

This data is sourced from the British Geological Survey.

21.3 BGS Measured Urban Soil Chemistry

Records within 50m

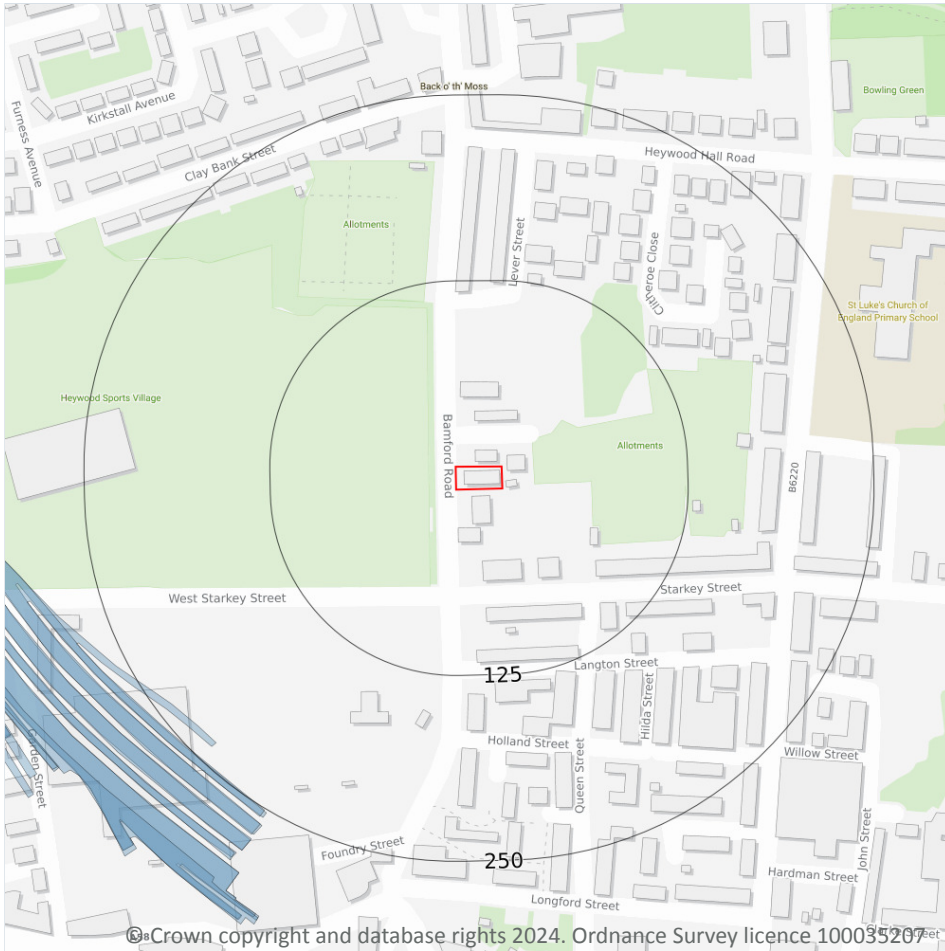
0

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

This data is sourced from the British Geological Survey.



22 Railway infrastructure and projects



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

22.1 Underground railways (London)

Records within 250m

0

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

This data is sourced from publicly available information by Groundsure.

22.2 Underground railways (Non-London)

Records within 250m

0

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



This data is sourced from publicly available information by Groundsure.

22.3 Railway tunnels

Records within 250m

0

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

2

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 120 >](#)

Location	Land Use	Year of mapping	Mapping scale
235m SW	Railway Sidings	1910	2500
249m SW	Railway Sidings	1930	2500

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

0

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

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> ↗.

Terms and conditions

Groundsure's Terms and Conditions can be accessed at this link: www.groundsure.com/terms-and-conditions-april-2023/ ↗.

