

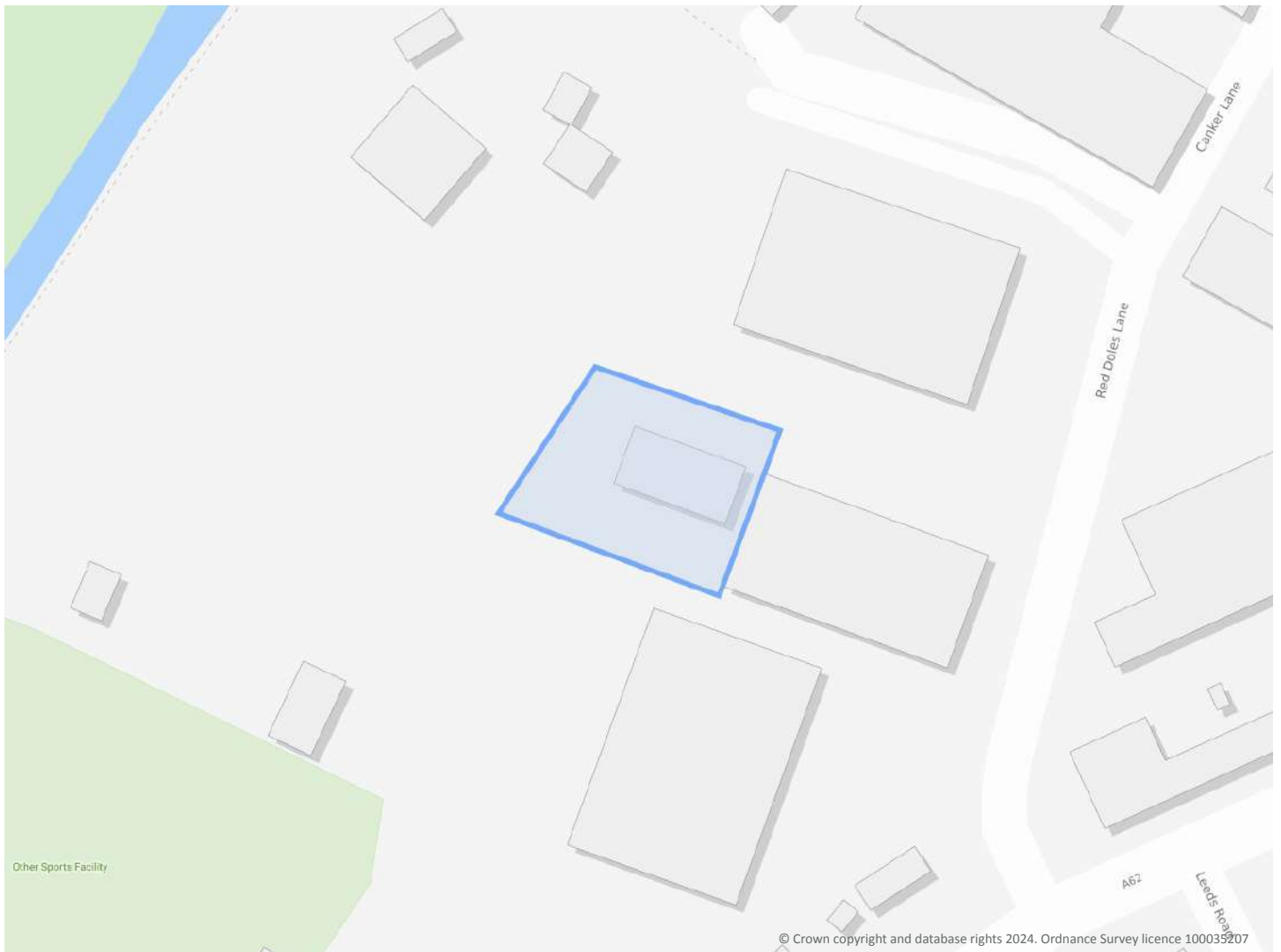
TEXTILE HOUSE, RED DOLES LANE, HUDDERSFIELD, KIRKLEES, HD2 1YF

Order Details

Date: 07/10/2024
Your ref: ADP Architecture
Our Ref: GS-VV3-U1X-LMO-6BQ

Site Details

Location: 415336 418151
Area: 0.25 ha
Authority: [Kirklees Council](#) ↗



Summary of findings

[p. 2 >](#)

Aerial image

[p. 9 >](#)

OS MasterMap site plan

[p.13 >](#)

[Insight User Guide](#) ↗

Summary of findings

Page	Section	Past land use >	On site	0-50m	50-250m	250-500m	500-2000m
14 >	1.1 >	Historical industrial land uses >	0	3	42	88	-
19 >	1.2 >	Historical tanks >	0	0	10	23	-
21 >	1.3 >	Historical energy features >	0	0	6	8	-
22	1.4	Historical petrol stations	0	0	0	0	-
22 >	1.5 >	Historical garages >	0	0	6	15	-
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	3	56	124	-
31 >	2.2 >	Historical tanks >	0	0	16	37	-
33 >	2.3 >	Historical energy features >	0	0	12	19	-
35	2.4	Historical petrol stations	0	0	0	0	-
35 >	2.5 >	Historical garages >	0	0	14	24	-
Page	Section	Waste and landfill >	On site	0-50m	50-250m	250-500m	500-2000m
37	3.1	Active or recent landfill	0	0	0	0	-
37	3.2	Historical landfill (BGS records)	0	0	0	0	-
38 >	3.3 >	Historical landfill (LA/mapping records) >	0	0	0	1	-
38 >	3.4 >	Historical landfill (EA/NRW records) >	0	1	2	2	-
39 >	3.5 >	Historical waste sites >	0	0	1	3	-
40 >	3.6 >	Licensed waste sites >	0	1	8	4	-
45 >	3.7 >	Waste exemptions >	0	2	12	15	-
Page	Section	Current industrial land use >	On site	0-50m	50-250m	250-500m	500-2000m
48 >	4.1 >	Recent industrial land uses >	0	0	29	-	-
50 >	4.2 >	Current or recent petrol stations >	0	0	1	1	-
51	4.3	Electricity cables	0	0	0	0	-
51	4.4	Gas pipelines	0	0	0	0	-
51	4.5	Sites determined as Contaminated Land	0	0	0	0	-



51 >	4.6 >	Control of Major Accident Hazards (COMAH) >	0	0	0	2	-
52	4.7	Regulated explosive sites	0	0	0	0	-
52	4.8	Hazardous substance storage/usage	0	0	0	0	-
52 >	4.9 >	Historical licensed industrial activities (IPC) >	0	0	0	3	-
53 >	4.10 >	Licensed industrial activities (Part A(1)) >	0	0	6	4	-
55 >	4.11 >	Licensed pollutant release (Part A(2)/B) >	0	0	3	9	-
56 >	4.12 >	Radioactive Substance Authorisations >	0	0	0	1	-
57 >	4.13 >	Licensed Discharges to controlled waters >	0	0	2	2	-
57	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
58 >	4.15 >	Pollutant release to public sewer >	0	0	0	1	-
58	4.16	List 1 Dangerous Substances	0	0	0	0	-
58 >	4.17 >	List 2 Dangerous Substances >	0	0	0	1	-
58 >	4.18 >	Pollution Incidents (EA/NRW) >	0	0	0	6	-
59 >	4.19 >	Pollution inventory substances >	0	0	2	2	-
61 >	4.20 >	Pollution inventory waste transfers >	0	0	1	1	-
63	4.21	Pollution inventory radioactive waste	0	0	0	0	-
Page	Section	Hydrogeology >	On site	0-50m	50-250m	250-500m	500-2000m
64 >	5.1 >	Superficial aquifer >	Identified (within 500m)				
66 >	5.2 >	Bedrock aquifer >	Identified (within 500m)				
68 >	5.3 >	Groundwater vulnerability >	Identified (within 50m)				
69	5.4	Groundwater vulnerability- soluble rock risk	None (within 0m)				
69	5.5	Groundwater vulnerability- local information	None (within 0m)				
70 >	5.6 >	Groundwater abstractions >	0	0	0	2	48
81 >	5.7 >	Surface water abstractions >	0	0	0	4	19
87 >	5.8 >	Potable abstractions >	0	0	0	0	7
89	5.9	Source Protection Zones	0	0	0	0	-
89	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-
Page	Section	Hydrology >	On site	0-50m	50-250m	250-500m	500-2000m
90 >	6.1 >	Water Network (OS MasterMap) >	0	0	8	-	-



91 >	6.2 >	Surface water features >	0	0	1	-	-
91 >	6.3 >	WFD Surface water body catchments >	1	-	-	-	-
92 >	6.4 >	WFD Surface water bodies >	0	0	1	-	-
92 >	6.5 >	WFD Groundwater bodies >	1	-	-	-	-
Page	Section	River and coastal flooding >	On site	0-50m	50-250m	250-500m	500-2000m
94 >	7.1 >	Risk of flooding from rivers and the sea >	Medium (within 50m)				
95	7.2	Historical Flood Events	0	0	0	-	-
95	7.3	Flood Defences	0	0	0	-	-
95	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
95	7.5	Flood Storage Areas	0	0	0	-	-
96 >	7.6 >	Flood Zone 2 >	Identified (within 50m)				
97	7.7	Flood Zone 3	None (within 50m)				
Page	Section	Surface water flooding >					
98 >	8.1 >	Surface water flooding >	1 in 30 year, 0.3m - 1.0m (within 50m)				
Page	Section	Groundwater flooding >					
100 >	9.1 >	Groundwater flooding >	Low (within 50m)				
Page	Section	Environmental designations >	On site	0-50m	50-250m	250-500m	500-2000m
101	10.1	Sites of Special Scientific Interest (SSSI)	0	0	0	0	0
102	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
102	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
102	10.4	Special Protection Areas (SPA)	0	0	0	0	0
102	10.5	National Nature Reserves (NNR)	0	0	0	0	0
103 >	10.6 >	Local Nature Reserves (LNR) >	0	0	0	0	1
103 >	10.7 >	Designated Ancient Woodland >	0	0	0	0	5
103	10.8	Biosphere Reserves	0	0	0	0	0
104	10.9	Forest Parks	0	0	0	0	0
104	10.10	Marine Conservation Zones	0	0	0	0	0
104 >	10.11 >	Green Belt >	0	0	0	0	2
104	10.12	Proposed Ramsar sites	0	0	0	0	0



105	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
105	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
105	10.15	Nitrate Sensitive Areas	0	0	0	0	0
105	10.16	Nitrate Vulnerable Zones	0	0	0	0	0
106	10.17	SSSI Impact Risk Zones	0	-	-	-	-
106	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
107	11.1	World Heritage Sites	0	0	0	-	-
108	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
108	11.3	National Parks	0	0	0	-	-
108 >	11.4 >	Listed Buildings >	0	0	1	-	-
109	11.5	Conservation Areas	0	0	0	-	-
109	11.6	Scheduled Ancient Monuments	0	0	0	-	-
109	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	Agricultural designations >	On site	0-50m	50-250m	250-500m	500-2000m
110 >	12.1 >	Agricultural Land Classification >	Urban (within 250m)				
111	12.2	Open Access Land	0	0	0	-	-
111	12.3	Tree Felling Licences	0	0	0	-	-
111	12.4	Environmental Stewardship Schemes	0	0	0	-	-
111	12.5	Countryside Stewardship Schemes	0	0	0	-	-
Page	Section	Habitat designations >	On site	0-50m	50-250m	250-500m	500-2000m
112 >	13.1 >	Priority Habitat Inventory >	0	0	3	-	-
113	13.2	Habitat Networks	0	0	0	-	-
113	13.3	Open Mosaic Habitat	0	0	0	-	-
113	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
114 >	14.1 >	10k Availability >	Identified (within 500m)				
115 >	14.2 >	Artificial and made ground (10k) >	0	0	4	12	-
117 >	14.3 >	Superficial geology (10k) >	1	0	2	4	-



118	14.4	Landslip (10k)	0	0	0	0	-
119 >	14.5 >	Bedrock geology (10k) >	1	0	0	2	-
120 >	14.6 >	Bedrock faults and other linear features (10k) >	0	0	0	1	-
Page	Section	Geology 1:50,000 scale >	On site	0-50m	50-250m	250-500m	500-2000m
121 >	15.1 >	50k Availability >	Identified (within 500m)				
122 >	15.2 >	Artificial and made ground (50k) >	0	0	2	3	-
123	15.3	Artificial ground permeability (50k)	0	0	-	-	-
124 >	15.4 >	Superficial geology (50k) >	1	0	1	1	-
125 >	15.5 >	Superficial permeability (50k) >	Identified (within 50m)				
125	15.6	Landslip (50k)	0	0	0	0	-
125	15.7	Landslip permeability (50k)	None (within 50m)				
126 >	15.8 >	Bedrock geology (50k) >	1	0	0	1	-
127 >	15.9 >	Bedrock permeability (50k) >	Identified (within 50m)				
127 >	15.10 >	Bedrock faults and other linear features (50k) >	0	0	0	1	-
Page	Section	Boreholes >	On site	0-50m	50-250m	250-500m	500-2000m
128 >	16.1 >	BGS Boreholes >	15	46	48	-	-
Page	Section	Natural ground subsidence >					
134 >	17.1 >	Shrink swell clays >	Very low (within 50m)				
135 >	17.2 >	Running sands >	Low (within 50m)				
136 >	17.3 >	Compressible deposits >	Moderate (within 50m)				
137 >	17.4 >	Collapsible deposits >	Negligible (within 50m)				
138 >	17.5 >	Landslides >	Very low (within 50m)				
139 >	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
141 >	18.1 >	BritPits >	0	0	0	2	-
142 >	18.2 >	Surface ground workings >	0	0	25	-	-
143 >	18.3 >	Underground workings >	0	0	0	1	4
144	18.4	Underground mining extents	0	0	0	0	-
144	18.5	Historical Mineral Planning Areas	0	0	0	0	-



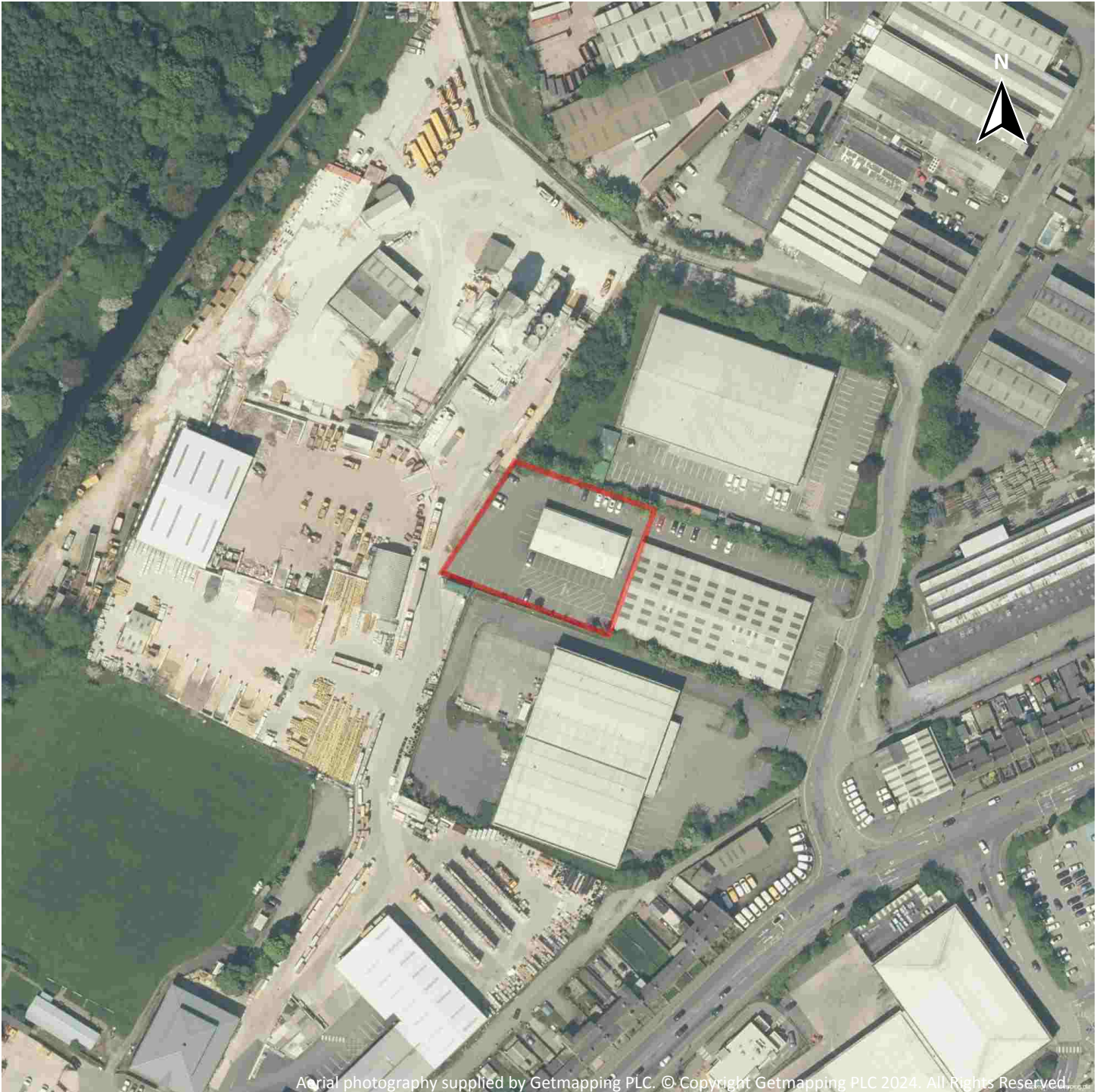
144 >	18.6 >	Non-coal mining >	0	0	0	5	7
145	18.7	JPB mining areas	None (within 0m)				
146	18.8	The Coal Authority non-coal mining	0	0	0	0	-
146	18.9	Researched mining	0	0	0	0	-
146	18.10	Mining record office plans	0	0	0	0	-
146 >	18.11 >	BGS mine plans >	1	0	0	0	-
147 >	18.12 >	Coal mining >	Identified (within 0m)				
147	18.13	Brine areas	None (within 0m)				
147	18.14	Gypsum areas	None (within 0m)				
147	18.15	Tin mining	None (within 0m)				
147	18.16	Clay mining	None (within 0m)				
Page	Section	Ground cavities and sinkholes >	On site	0-50m	50-250m	250-500m	500-2000m
148	19.1	Natural cavities	0	0	0	0	-
149 >	19.2 >	Mining cavities >	0	0	0	0	2
149	19.3	Reported recent incidents	0	0	0	0	-
149	19.4	Historical incidents	0	0	0	0	-
150	19.5	National karst database	0	0	0	0	-
Page	Section	Radon >					
151 >	20.1 >	Radon >	Less than 1% (within 0m)				
Page	Section	Soil chemistry >	On site	0-50m	50-250m	250-500m	500-2000m
153 >	21.1 >	BGS Estimated Background Soil Chemistry >	1	0	-	-	-
153	21.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
153	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
154	22.1	Underground railways (London)	0	0	0	-	-
154	22.2	Underground railways (Non-London)	0	0	0	-	-
155	22.3	Railway tunnels	0	0	0	-	-
155 >	22.4 >	Historical railway and tunnel features >	0	0	14	-	-
156	22.5	Royal Mail tunnels	0	0	0	-	-



156	22.6	Historical railways	0	0	0	-	-
156	22.7	Railways	0	0	0	-	-
156	22.8	Crossrail 1	0	0	0	0	-
156	22.9	Crossrail 2	0	0	0	0	-
157	22.10	HS2	0	0	0	0	-



Recent aerial photograph



Capture Date: 30/05/2021

Site Area: 0.25ha



Recent site history - 2018 aerial photograph



Capture Date: 01/07/2018

Site Area: 0.25ha



Recent site history - 2012 aerial photograph



Capture Date: 26/03/2012

Site Area: 0.25ha



Recent site history - 2000 aerial photograph

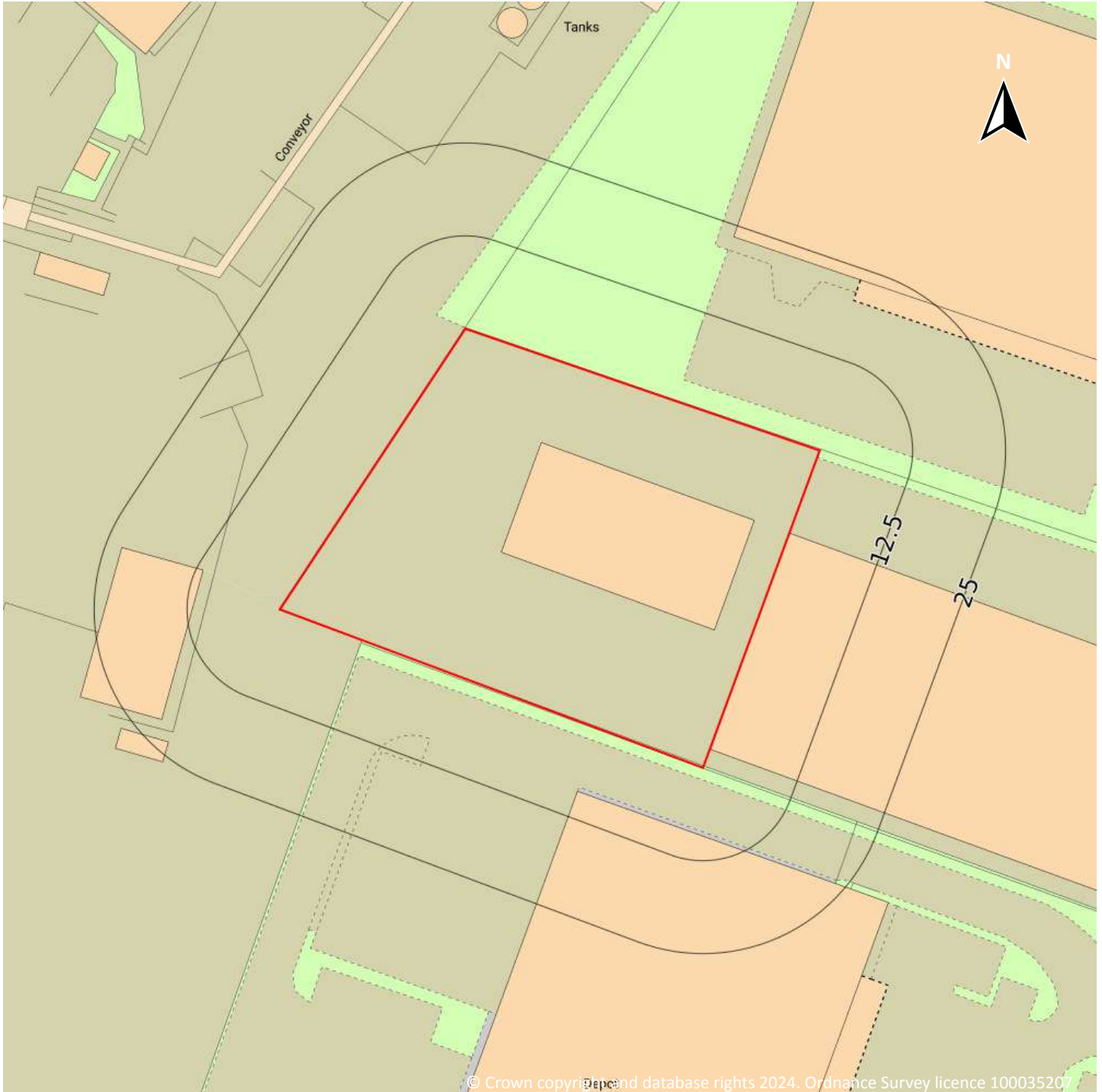


Capture Date: 05/08/2000

Site Area: 0.25ha



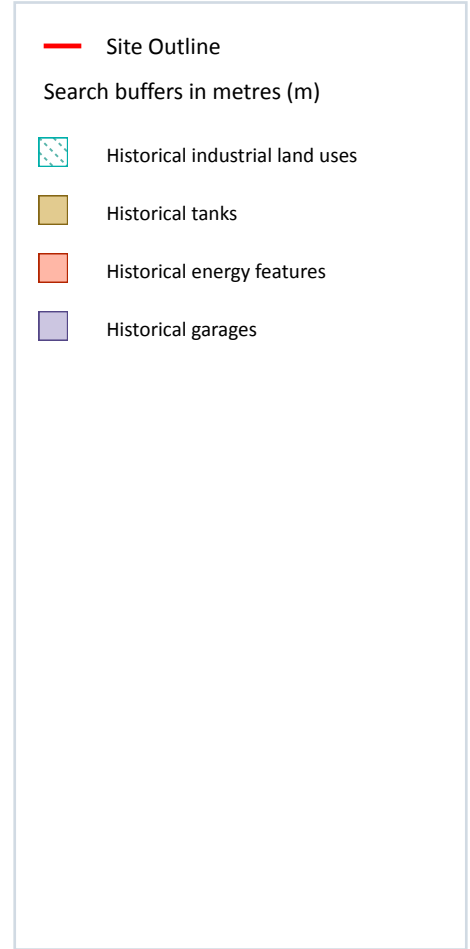
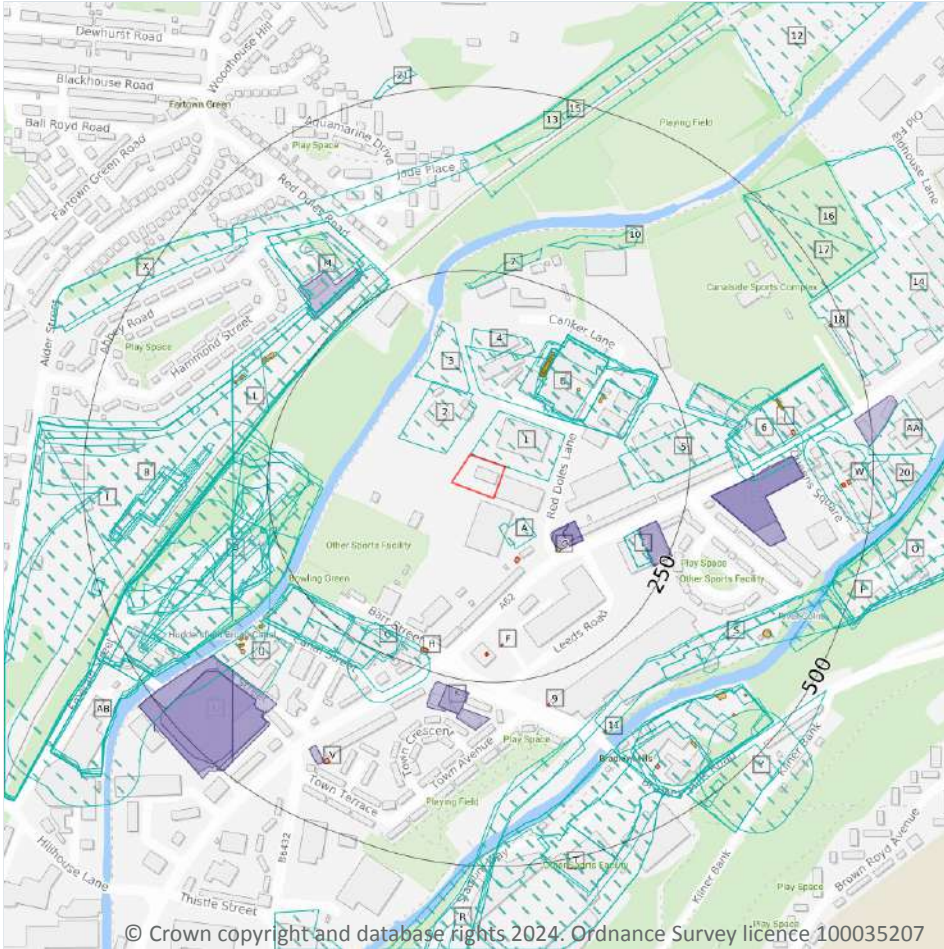
OS MasterMap site plan



Site Area: 0.25ha



1 Past land use



1.1 Historical industrial land uses

Records within 500m **133**

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

Features are displayed on the Past land use map on [page 14](#) >

ID	Location	Land use	Dates present	Group ID
1	On site	Unspecified Depot	1988	1445306

ID	Location	Land use	Dates present	Group ID
2	29m NW	Unspecified Works	1988	1531277
A	38m SE	Nursery	1965	1453396
3	82m N	Unspecified Works	1965 - 1975	1551448
B	84m N	Unspecified Mills	1889	1571890
B	89m NE	Unspecified Mills	1948	1486854
B	89m NE	Unspecified Mills	1905	1563650
B	97m NE	Unspecified Mills	1938	1557427
B	98m NE	Unspecified Mill	1965	1448445
B	98m NE	Unspecified Mills	1956	1514579
B	100m NE	Unspecified Mills	1975 - 1988	1513030
4	130m N	Unspecified Works	1975	1460223
B	133m NE	Unspecified Tanks	1905	1492263
B	133m NE	Unspecified Tanks	1948 - 1956	1506561
B	135m NE	Unspecified Tank	1938	1472583
B	141m NE	Unspecified Mill	1965	1448411
5	154m E	Unspecified Works	1975 - 1988	1571646
6	165m E	Unspecified Works	1965 - 1975	1484163
B	167m NE	Unspecified Tanks	1938	1504165
D	175m W	Brick Works	1948	1515046
D	175m W	Brick Works	1938	1519565
E	185m SE	Unspecified Commercial/Industrial	1975	1431687
E	185m SE	Unspecified Works	1965	1460193
D	193m W	Unspecified Ground Workings	1948	1502857
D	194m W	Unspecified Ground Workings	1956	1547838
D	198m W	Tramway Sidings	1938	1478881
D	212m W	Cuttings	1938 - 1948	1552526
G	217m SW	Unspecified Works	1965	1460192
G	218m SW	Unspecified Disused Mills	1938 - 1948	1519442



ID	Location	Land use	Dates present	Group ID
G	219m SW	Unspecified Mills	1889 - 1905	1528295
D	222m W	Brick Works	1905	1484501
G	222m SW	Unspecified Commercial/Industrial	1975	1431616
7	225m N	Refuse Heap	1965	1434367
G	225m SW	Dye Works	1889 - 1905	1539143
G	226m SW	Unspecified Works	1965	1560466
I	243m NW	Railway Sidings	1938 - 1948	1556407
D	245m W	Unspecified Ground Workings	1938	1507295
I	246m NW	Railway Sidings	1956 - 1975	1535672
D	247m W	Unspecified Ground Workings	1948	1528751
I	247m NW	Railway Sidings	1905	1500104
D	247m W	Unspecified Works	1966	1560356
D	247m W	Unspecified Heap	1965	1565990
D	247m W	Unspecified Heap	1975 - 1988	1573328
8	248m NW	Cuttings	1889	1483402
I	248m NW	Railway Sidings	1889	1568071
G	251m SW	Unspecified Warehouse	1965	1471276
D	258m W	Refuse Heap	1938	1495976
J	259m E	Engineering Works	1948 - 1956	1576292
D	259m W	Refuse Heap	1948 - 1956	1502925
J	259m E	Engineering Works	1938	1498265
D	260m W	Unspecified Ground Workings	1905	1491348
D	262m W	Unspecified Shaft	1905	1447569
L	266m W	Cuttings	1988	1580299
M	277m NW	Wagon Repairing Shop	1948	1442214
M	283m NW	Railway Building	1938	1475718
M	283m NW	Unspecified Commercial/Industrial	1988	1431686
M	283m NW	Wagon Repair Shops	1956	1448844



ID	Location	Land use	Dates present	Group ID
M	283m NW	Unspecified Works	1965 - 1975	1550806
D	297m W	Brick Works	1956	1566498
I	299m W	Railway Sidings	1985	1501926
J	300m E	Unspecified Works	1988	1560969
L	301m NW	Unspecified Tanks	1905	1443540
D	302m W	Unspecified Ground Workings	1966 - 1975	1511970
O	302m SE	Unspecified Works	1938	1431494
10	302m N	Unspecified Ground Workings	1965	1439335
P	305m SE	Railway Sidings	1948	1511860
M	308m NW	Refuse Heap	1938	1542355
Q	309m SW	Chemical Works	1905	1459814
D	310m W	Unspecified Works	1985	1550644
J	312m E	Unspecified Works	1965	1493118
L	314m NW	Unspecified Tanks	1905	1443566
D	321m SW	Unspecified Ground Workings	1889	1527024
P	325m SE	Railway Building	1948	1475709
I	327m W	Engine Shed	1956 - 1966	1546055
I	329m W	Engine Shed	1948	1527469
R	341m S	Railway Sidings	1938	1547649
I	345m W	Engine Shed	1938	1568885
12	351m N	Railway Sidings	1938 - 1948	1556553
L	356m W	Railway Building	1956	1475716
J	356m E	Unspecified Works	1975 - 1988	1515988
I	357m W	Engine Shed	1889	1549122
S	361m SE	Unspecified Ground Workings	1965 - 1975	1559863
I	364m W	Railway Building	1905	1475717
13	364m N	Railway Sidings	1956 - 1965	1541275
P	367m SE	Unspecified Works	1988	1544440



ID	Location	Land use	Dates present	Group ID
P	367m SE	Unspecified Mills	1938	1522597
P	370m SE	Unspecified Mills	1889	1568132
P	371m SE	Unspecified Mills	1948 - 1956	1489281
P	371m SE	Unspecified Mills	1905	1537257
T	377m SE	Unspecified Commercial/Industrial	1956	1431615
T	377m SE	Unspecified Works	1965 - 1988	1573592
R	381m SE	Unspecified Works	1938	1494939
P	381m SE	Unspecified Mill	1965	1448412
P	381m SE	Unspecified Mills	1975	1567492
P	385m SE	Unspecified Works	1965 - 1975	1525176
D	387m W	Railway Sidings	1889	1505091
W	406m E	Unspecified Works	1965 - 1975	1488663
X	416m NW	Cuttings	1938 - 1948	1527533
W	424m E	Unspecified Works	1988	1572257
D	427m SW	Unspecified Commercial/Industrial	1985	1431665
D	427m SW	Unspecified Works	1975	1570486
X	430m NW	Cuttings	1956 - 1985	1555955
T	430m S	Dye Works	1889	1520979
Y	435m SE	Unspecified Mills	1988	1531830
D	439m SW	Railway Sidings	1956	1523991
O	448m SE	Unspecified Works	1988	1504863
R	452m S	Dye Works	1889 - 1905	1526434
D	452m SW	Railway Sidings	1948	1540328
T	455m S	Dye Works	1905	1533610
Z	462m E	Unspecified Commercial/Industrial	1956 - 1965	1499980
Z	465m E	Railway Sidings	1938	1517956
14	468m NE	Unspecified Works	1975 - 1988	1573835
Z	468m E	Unspecified Works	1948	1575264



ID	Location	Land use	Dates present	Group ID
Y	470m SE	Unspecified Disused Mills	1956	1432861
Z	471m E	Railway Sidings	1956	1484137
Z	471m E	Railway Sidings	1965	1509054
Z	471m E	Unspecified Works	1975 - 1988	1520372
15	473m N	Railway Building	1965	1475745
16	473m NE	Unspecified Heap	1965 - 1975	1581266
17	474m NE	Unspecified Heap	1988	1574847
Y	478m SE	Unspecified Mill	1965 - 1975	1580096
AB	479m SW	Unspecified Depot	1966 - 1975	1498586
AB	479m SW	Sanitary Depot	1948 - 1956	1498963
AB	482m SW	Sanitary Depot	1938	1491988
AB	483m SW	Sanitary Depot	1905	1503603
19	483m S	Unspecified Ground Workings	1965 - 1975	1580151
Y	488m SE	Filter Beds	1905	1463183
20	489m E	Unspecified Works	1975 - 1988	1537723
I	489m W	Railway Building	1956 - 1966	1555849
I	492m W	Railway Building	1889 - 1905	1490454
I	492m W	Railway Building	1938 - 1948	1491766
AA	494m E	Unspecified Mill	1965 - 1988	1542172
21	497m N	Unspecified Ground Workings	1988	1439334

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m

33

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

Features are displayed on the Past land use map on [page 14 >](#)



ID	Location	Land use	Dates present	Group ID
C	110m SE	Unspecified Tank	1918 - 1932	260111
B	132m NE	Unspecified Tank	1907 - 1918	259694
B	133m NE	Unspecified Tank	1893	251074
B	137m NE	Unspecified Tank	1959 - 1960	246812
B	137m NE	Tanks	1907 - 1918	244790
B	137m NE	Tanks	1932	245119
B	143m NE	Unspecified Tank	1907	237852
B	155m NE	Unspecified Tank	1918	237849
B	155m NE	Tanks	1918	245542
B	165m NE	Unspecified Tank	1993 - 1995	251478
L	294m NW	Tanks	1907 - 1918	261623
L	300m NW	Unspecified Tank	1907	237843
Q	307m SW	Unspecified Tank	1959	237917
L	316m NW	Tanks	1907	233857
Q	323m SW	Unspecified Tank	1984	254109
Q	323m SW	Unspecified Tank	1995 - 1998	258482
L	331m W	Unspecified Tank	1960	252485
L	331m W	Unspecified Tank	1959	257857
Q	348m SW	Tanks	1907	233885
Q	354m SW	Tanks	1907 - 1932	261766
Q	357m SW	Tanks	1918 - 1932	246631
Q	358m SW	Tanks	1907	261690
Q	362m SW	Unspecified Tank	1960	237915
J	377m E	Tanks	1983 - 1992	246538
J	379m E	Unspecified Tank	1968	237846
P	404m SE	Tanks	1982	233884
S	409m SE	Unspecified Tank	1995 - 1999	255669
P	426m SE	Unspecified Tank	1918	237916



ID	Location	Land use	Dates present	Group ID
P	432m SE	Unspecified Tank	1982	258472
P	433m SE	Unspecified Tank	1995	250881
P	433m SE	Unspecified Tank	1999	260439
P	438m SE	Tanks	1982 - 1999	246898
18	479m NE	Unspecified Tank	1968 - 1991	250156

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m	14
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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 14 >](#)

ID	Location	Land use	Dates present	Group ID
A	86m SE	Electricity Substation	1993 - 1995	157887
F	198m S	Electricity Substation	1998	143949
F	210m S	Electricity Substation	1984	147734
F	210m S	Electricity Substation	1984	158748
H	223m S	Electricity Substation	1984	155711
H	224m S	Electricity Substation	1984 - 1998	152589
9	289m S	Electricity Substation	1998	143950
11	349m SE	Electricity Substation	1999	143952
J	391m E	Electricity Substation	1968 - 1995	145973
V	411m SW	Electricity Substation	1984 - 1998	151760
P	424m SE	Electricity Substation	1982 - 1999	156566
W	456m E	Electricity Substation	1983	149025
W	458m E	Electricity Substation	1992 - 1995	154780



ID	Location	Land use	Dates present	Group ID
W	464m E	Electricity Substation	1968	143953

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

21

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

Features are displayed on the Past land use map on [page 14 >](#)

ID	Location	Land use	Dates present	Group ID
C	92m SE	Garage	1986	48511
C	95m SE	Garage	1993 - 1995	50230
C	105m SE	Garage	-	45534
C	105m SE	Garage	1959 - 1960	47538
E	198m E	Garage	1995	47960
E	200m E	Garage	1959 - 1992	52182
K	260m S	Garage	1984 - 1998	51148
K	262m S	Garage	1984	49316
M	277m NW	Wagon Repair Shops	1932	46145
N	282m E	Garage	1983 - 1992	48212



ID	Location	Land use	Dates present	Group ID
N	283m E	Garage	1960	48268
N	283m E	Garage	1968	46794
N	283m E	Garage	1959	47263
N	283m E	Garage	1995	48966
U	383m SW	Garage	1960	51554
U	392m SW	Garage	1959	46823
U	397m SW	Garage	1982 - 1984	46389
U	398m SW	Garage	1995	47840
V	402m SW	Garage	1959 - 1960	52133
U	403m SW	Garage	1993	49094
AA	478m E	Garage	1959 - 1960	49516

This data is sourced from Ordnance Survey / Groundsure.

1.6 Historical military land

Records within 500m

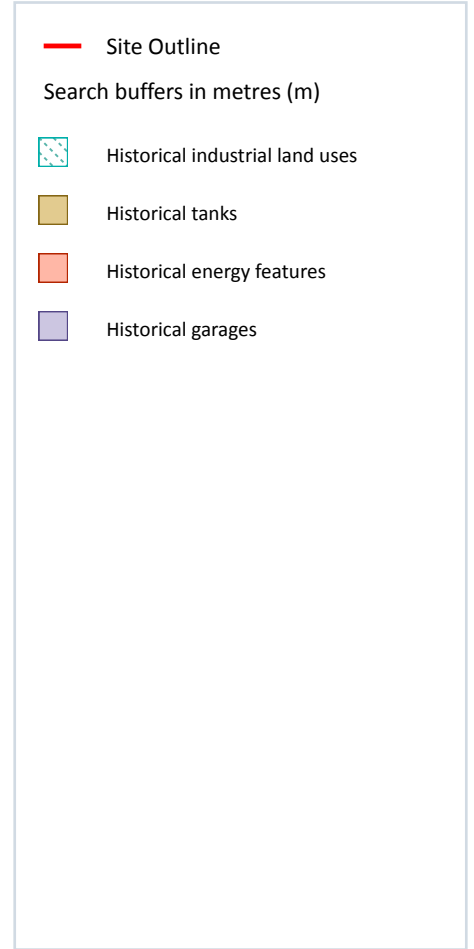
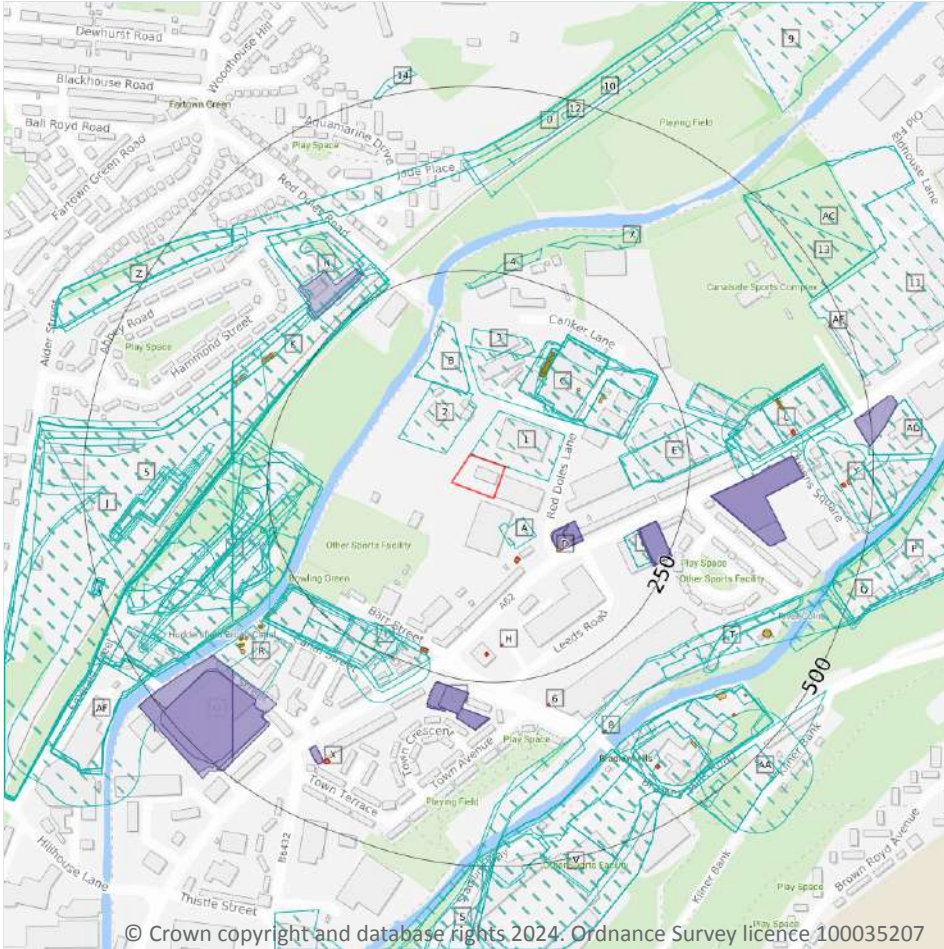
0

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



2.1 Historical industrial land uses

Records within 500m

183

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
1	On site	Unspecified Depot	1988	1445306
2	29m NW	Unspecified Works	1988	1531277
A	38m SE	Nursery	1965	1453396

ID	Location	Land Use	Date	Group ID
B	82m N	Unspecified Works	1965	1551448
B	82m N	Unspecified Works	1975	1551448
C	84m N	Unspecified Mills	1889	1571890
C	89m NE	Unspecified Mills	1948	1486854
C	89m NE	Unspecified Mills	1905	1563650
C	97m NE	Unspecified Mills	1938	1557427
C	98m NE	Unspecified Mill	1965	1448445
C	98m NE	Unspecified Mills	1956	1514579
C	100m NE	Unspecified Mills	1988	1513030
C	100m NE	Unspecified Mills	1975	1513030
3	130m N	Unspecified Works	1975	1460223
C	133m NE	Unspecified Tanks	1948	1506561
C	133m NE	Unspecified Tanks	1905	1492263
C	135m NE	Unspecified Tank	1938	1472583
C	138m NE	Unspecified Tanks	1956	1506561
C	141m NE	Unspecified Mill	1965	1448411
E	154m E	Unspecified Works	1988	1571646
E	157m E	Unspecified Works	1975	1571646
E	165m E	Unspecified Works	1965	1484163
C	167m NE	Unspecified Tanks	1938	1504165
F	175m W	Brick Works	1948	1515046
F	175m W	Brick Works	1938	1519565
F	175m W	Brick Works	1938	1519565
G	185m SE	Unspecified Works	1965	1460193
G	185m SE	Unspecified Commercial/Industrial	1975	1431687
F	193m W	Unspecified Ground Workings	1948	1502857
F	194m W	Unspecified Ground Workings	1956	1547838
F	198m W	Tramway Sidings	1938	1478881



ID	Location	Land Use	Date	Group ID
F	212m W	Cuttings	1938	1552526
F	212m W	Cuttings	1948	1552526
I	217m SW	Unspecified Works	1965	1460192
I	218m SW	Unspecified Disused Mills	1938	1519442
I	219m SW	Unspecified Mills	1905	1528295
I	222m SW	Unspecified Disused Mills	1948	1519442
F	222m W	Brick Works	1905	1484501
I	222m SW	Unspecified Commercial/Industrial	1975	1431616
4	225m N	Refuse Heap	1965	1434367
I	225m SW	Dye Works	1889	1539143
I	225m SW	Dye Works	1905	1539143
I	225m SW	Unspecified Mills	1889	1528295
I	226m SW	Unspecified Works	1965	1560466
J	243m NW	Railway Sidings	1948	1556407
J	245m NW	Railway Sidings	1938	1556407
F	245m W	Unspecified Ground Workings	1938	1507295
F	245m W	Unspecified Ground Workings	1938	1507295
K	246m NW	Railway Sidings	1965	1535672
K	246m NW	Railway Sidings	1956	1535672
K	246m NW	Railway Sidings	1975	1535672
F	247m W	Unspecified Ground Workings	1948	1528751
J	247m NW	Railway Sidings	1905	1500104
F	247m W	Unspecified Works	1966	1560356
F	247m W	Unspecified Heap	1988	1573328
F	247m W	Unspecified Heap	1965	1565990
F	247m W	Unspecified Heap	1975	1573328
5	248m NW	Cuttings	1889	1483402
J	248m NW	Railway Sidings	1889	1568071



ID	Location	Land Use	Date	Group ID
I	251m SW	Unspecified Warehouse	1965	1471276
F	258m W	Refuse Heap	1938	1495976
F	258m W	Refuse Heap	1938	1495976
L	259m E	Engineering Works	1956	1576292
F	259m W	Refuse Heap	1948	1502925
L	259m E	Engineering Works	1938	1498265
F	260m W	Unspecified Ground Workings	1905	1491348
F	262m W	Unspecified Shaft	1905	1447569
K	266m W	Cuttings	1988	1580299
N	277m NW	Wagon Repairing Shop	1948	1442214
N	283m NW	Railway Building	1938	1475718
N	283m NW	Unspecified Commercial/Industrial	1988	1431686
N	283m NW	Unspecified Works	1965	1550806
N	283m NW	Wagon Repair Shops	1956	1448844
N	283m NW	Unspecified Works	1975	1550806
F	297m W	Brick Works	1956	1566498
L	297m E	Unspecified Works	1975	1484163
J	299m W	Railway Sidings	1975	1535672
J	299m W	Railway Sidings	1956	1535672
J	299m W	Railway Sidings	1985	1501926
J	299m W	Railway Sidings	1966	1535672
L	300m E	Unspecified Works	1988	1560969
K	301m NW	Unspecified Tanks	1905	1443540
L	302m E	Engineering Works	1948	1576292
F	302m W	Unspecified Ground Workings	1975	1511970
F	302m W	Unspecified Ground Workings	1966	1511970
P	302m SE	Unspecified Works	1938	1431494
7	302m N	Unspecified Ground Workings	1965	1439335



ID	Location	Land Use	Date	Group ID
F	304m W	Refuse Heap	1956	1502925
Q	305m SE	Railway Sidings	1948	1511860
N	308m NW	Refuse Heap	1938	1542355
N	308m NW	Refuse Heap	1938	1542355
R	309m SW	Chemical Works	1905	1459814
F	310m W	Unspecified Works	1985	1550644
L	312m E	Unspecified Works	1965	1493118
K	314m NW	Unspecified Tanks	1905	1443566
F	321m SW	Unspecified Ground Workings	1889	1527024
Q	325m SE	Railway Building	1948	1475709
J	327m W	Engine Shed	1956	1546055
J	329m W	Engine Shed	1948	1527469
S	341m S	Railway Sidings	1938	1547649
J	345m W	Engine Shed	1938	1568885
9	351m N	Railway Sidings	1938	1556553
K	356m W	Railway Building	1956	1475716
L	356m E	Unspecified Works	1975	1515988
J	357m W	Engine Shed	1889	1549122
L	358m E	Unspecified Works	1988	1515988
J	359m W	Engine Shed	1966	1546055
T	361m SE	Unspecified Ground Workings	1965	1559863
T	361m SE	Unspecified Ground Workings	1975	1559863
J	364m W	Railway Building	1905	1475717
U	364m N	Railway Sidings	1965	1541275
U	364m N	Railway Sidings	1956	1541275
10	366m N	Railway Sidings	1948	1556553
Q	367m SE	Unspecified Works	1988	1544440
Q	367m SE	Unspecified Mills	1938	1522597



ID	Location	Land Use	Date	Group ID
Q	370m SE	Unspecified Mills	1889	1568132
Q	371m SE	Unspecified Mills	1948	1489281
Q	371m SE	Unspecified Mills	1905	1537257
V	377m SE	Unspecified Works	1988	1573592
V	377m SE	Unspecified Works	1965	1573592
V	377m SE	Unspecified Commercial/Industrial	1956	1431615
V	377m SE	Unspecified Works	1975	1573592
S	381m SE	Unspecified Works	1938	1494939
Q	381m SE	Unspecified Mill	1965	1448412
Q	381m SE	Unspecified Mills	1956	1489281
Q	381m SE	Unspecified Mills	1975	1567492
Q	385m SE	Unspecified Works	1965	1525176
Q	385m SE	Unspecified Works	1975	1525176
F	387m W	Railway Sidings	1889	1505091
Y	406m E	Unspecified Works	1965	1488663
Z	416m NW	Cuttings	1948	1527533
Y	424m E	Unspecified Works	1988	1572257
Z	424m NW	Cuttings	1938	1527533
F	427m SW	Unspecified Works	1975	1570486
F	427m SW	Unspecified Commercial/Industrial	1985	1431665
Z	430m NW	Cuttings	1975	1555955
Z	430m NW	Cuttings	1956	1555955
Z	430m NW	Cuttings	1985	1555955
Z	430m NW	Cuttings	1966	1555955
V	430m S	Dye Works	1889	1520979
AA	435m SE	Unspecified Mills	1988	1531830
F	439m SW	Railway Sidings	1956	1523991
P	448m SE	Unspecified Works	1988	1504863



ID	Location	Land Use	Date	Group ID
S	452m S	Dye Works	1905	1526434
F	452m SW	Railway Sidings	1948	1540328
V	455m S	Dye Works	1905	1533610
S	458m S	Dye Works	1889	1526434
AB	462m E	Unspecified Commercial/Industrial	1965	1499980
AB	465m E	Railway Sidings	1938	1517956
Y	467m E	Unspecified Works	1975	1488663
11	468m NE	Unspecified Works	1988	1573835
AB	468m E	Unspecified Works	1948	1575264
AA	470m SE	Unspecified Disused Mills	1956	1432861
AB	471m E	Railway Sidings	1965	1509054
AB	471m E	Railway Sidings	1956	1484137
AB	471m E	Unspecified Commercial/Industrial	1956	1499980
AB	471m E	Unspecified Works	1975	1520372
12	473m N	Railway Building	1965	1475745
AC	473m NE	Unspecified Heap	1965	1581266
AC	473m NE	Unspecified Heap	1975	1581266
13	474m NE	Unspecified Heap	1988	1574847
AA	478m SE	Unspecified Mill	1965	1580096
AA	478m SE	Unspecified Mill	1975	1580096
AF	479m SW	Sanitary Depot	1956	1498963
AF	479m SW	Unspecified Depot	1966	1498586
AF	482m SW	Sanitary Depot	1938	1491988
AF	483m SW	Sanitary Depot	1948	1498963
AF	483m SW	Sanitary Depot	1905	1503603
AG	483m S	Unspecified Ground Workings	1965	1580151
AA	488m SE	Filter Beds	1905	1463183
Y	489m E	Unspecified Works	1975	1537723



ID	Location	Land Use	Date	Group ID
J	489m W	Railway Building	1956	1555849
J	489m W	Railway Building	1966	1555849
Y	492m E	Unspecified Works	1988	1537723
J	492m W	Railway Building	1948	1491766
J	492m W	Railway Building	1905	1490454
J	494m W	Railway Building	1889	1490454
J	494m W	Railway Building	1938	1491766
AD	494m E	Unspecified Mill	1988	1542172
AD	494m E	Unspecified Mill	1965	1542172
AD	494m E	Unspecified Mill	1975	1542172
14	497m N	Unspecified Ground Workings	1988	1439334
AG	498m S	Unspecified Ground Workings	1975	1580151

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m

53

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
D	110m SE	Unspecified Tank	1918	260111
D	110m SE	Unspecified Tank	1932	260111
C	132m NE	Unspecified Tank	1907	259694
C	132m NE	Unspecified Tank	1918	259694
C	133m NE	Unspecified Tank	1893	251074
C	137m NE	Unspecified Tank	1959	246812
C	137m NE	Unspecified Tank	1960	246812
C	137m NE	Tanks	1918	244790



ID	Location	Land Use	Date	Group ID
C	137m NE	Tanks	1932	245119
C	138m NE	Tanks	1907	244790
C	143m NE	Unspecified Tank	1907	237852
C	155m NE	Unspecified Tank	1918	237849
C	155m NE	Tanks	1918	245542
C	165m NE	Unspecified Tank	1995	251478
C	165m NE	Unspecified Tank	1995	251478
C	165m NE	Unspecified Tank	1993	251478
K	294m NW	Tanks	1918	261623
K	298m NW	Tanks	1907	261623
K	300m NW	Unspecified Tank	1907	237843
R	307m SW	Unspecified Tank	1959	237917
K	316m NW	Tanks	1907	233857
R	323m SW	Unspecified Tank	1984	254109
R	323m SW	Unspecified Tank	1995	258482
R	323m SW	Unspecified Tank	1998	258482
R	323m SW	Unspecified Tank	1984	254109
R	323m SW	Unspecified Tank	1984	254109
K	331m W	Unspecified Tank	1960	252485
K	331m W	Unspecified Tank	1959	257857
R	348m SW	Tanks	1907	233885
R	354m SW	Tanks	1918	261766
R	354m SW	Tanks	1932	261766
R	356m SW	Tanks	1907	261766
R	357m SW	Tanks	1918	246631
R	357m SW	Tanks	1932	246631
R	358m SW	Tanks	1907	261690
R	362m SW	Unspecified Tank	1960	237915



ID	Location	Land Use	Date	Group ID
L	377m E	Tanks	1983	246538
L	377m E	Tanks	1991	246538
L	377m E	Tanks	1992	246538
L	379m E	Unspecified Tank	1968	237846
Q	404m SE	Tanks	1982	233884
T	409m SE	Unspecified Tank	1995	255669
T	409m SE	Unspecified Tank	1999	255669
Q	426m SE	Unspecified Tank	1918	237916
Q	432m SE	Unspecified Tank	1982	258472
Q	433m SE	Unspecified Tank	1995	250881
Q	433m SE	Unspecified Tank	1999	260439
Q	438m SE	Tanks	1982	246898
Q	439m SE	Tanks	1995	246898
Q	439m SE	Tanks	1999	246898
AE	479m NE	Unspecified Tank	1983	250156
AE	479m NE	Unspecified Tank	1991	250156
AE	480m NE	Unspecified Tank	1968	250156

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m	31
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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	86m SE	Electricity Substation	1995	157887
A	86m SE	Electricity Substation	1995	157887
A	86m SE	Electricity Substation	1993	157887



ID	Location	Land Use	Date	Group ID
H	198m S	Electricity Substation	1998	143949
H	210m S	Electricity Substation	1984	147734
H	210m S	Electricity Substation	1984	147734
H	210m S	Electricity Substation	1984	158748
I	223m S	Electricity Substation	1984	155711
I	224m S	Electricity Substation	1984	152589
I	224m S	Electricity Substation	1984	152589
I	224m S	Electricity Substation	1995	152589
I	224m S	Electricity Substation	1998	152589
6	289m S	Electricity Substation	1998	143950
8	349m SE	Electricity Substation	1999	143952
L	391m E	Electricity Substation	1983	145973
L	391m E	Electricity Substation	1991	145973
L	391m E	Electricity Substation	1992	145973
L	392m E	Electricity Substation	1968	145973
L	392m E	Electricity Substation	1995	145973
X	411m SW	Electricity Substation	1984	151760
X	411m SW	Electricity Substation	1984	151760
X	411m SW	Electricity Substation	1984	151760
X	411m SW	Electricity Substation	1995	151760
X	411m SW	Electricity Substation	1998	151760
Q	424m SE	Electricity Substation	1995	156566
Q	424m SE	Electricity Substation	1999	156566
Q	424m SE	Electricity Substation	1982	156566
Y	456m E	Electricity Substation	1983	149025
Y	458m E	Electricity Substation	1995	154780
Y	459m E	Electricity Substation	1992	154780
Y	464m E	Electricity Substation	1968	143953

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

38

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
D	92m SE	Garage	1986	48511
D	95m SE	Garage	1995	50230
D	95m SE	Garage	1995	50230
D	95m SE	Garage	1993	50230
D	105m SE	Garage	-	45534
D	105m SE	Garage	1960	47538
D	105m SE	Garage	1959	47538
G	198m E	Garage	1995	47960
G	200m E	Garage	1983	52182
G	200m E	Garage	1991	52182
G	200m E	Garage	1992	52182
G	200m E	Garage	1960	52182
G	201m E	Garage	1968	52182
G	201m E	Garage	1959	52182
M	260m S	Garage	1998	51148
M	260m S	Garage	1995	51148

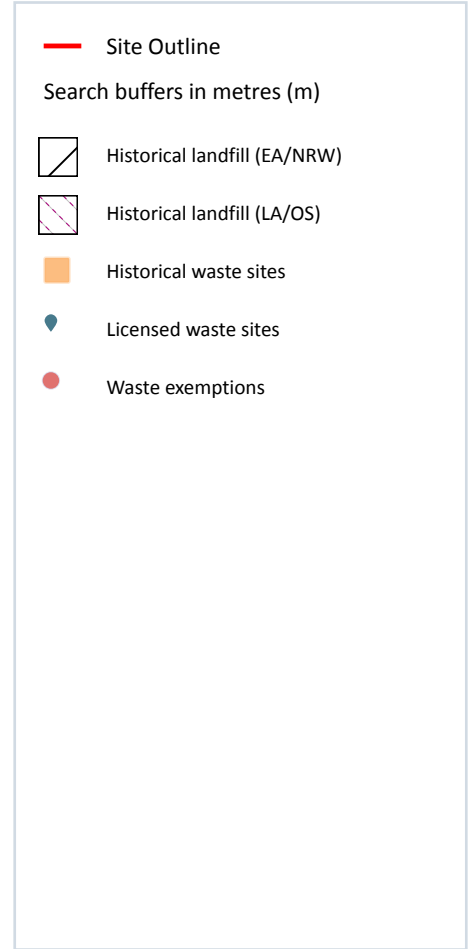
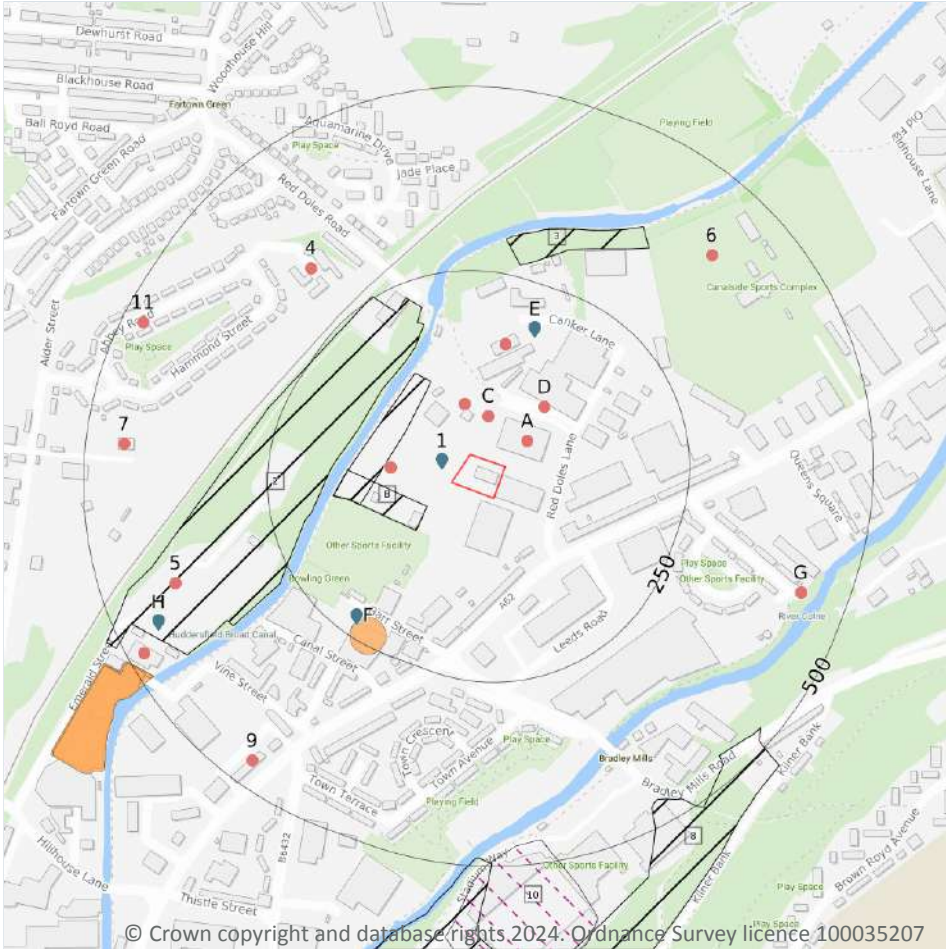


ID	Location	Land Use	Date	Group ID
M	261m S	Garage	1984	51148
M	261m S	Garage	1984	51148
M	262m S	Garage	1984	49316
N	277m NW	Wagon Repair Shops	1932	46145
O	282m E	Garage	1983	48212
O	282m E	Garage	1991	48212
O	282m E	Garage	1992	48212
O	283m E	Garage	1960	48268
O	283m E	Garage	1968	46794
O	283m E	Garage	1959	47263
O	283m E	Garage	1995	48966
W	383m SW	Garage	1960	51554
W	392m SW	Garage	1959	46823
W	397m SW	Garage	1984	46389
W	397m SW	Garage	1959	46823
W	398m SW	Garage	1995	47840
X	402m SW	Garage	1959	52133
X	402m SW	Garage	1960	52133
W	402m SW	Garage	1982	46389
W	403m SW	Garage	1993	49094
AD	478m E	Garage	1960	49516
AD	478m E	Garage	1959	49516

This data is sourced from Ordnance Survey / Groundsure.



3 Waste and landfill



3.1 Active or recent landfill

Records within 500m **0**

Active or recently closed landfill sites under Environment Agency/Natural Resources Wales regulation.
This data is sourced from the Environment Agency and Natural Resources Wales.

3.2 Historical landfill (BGS records)

Records within 500m **0**

Landfill sites identified on a survey carried out on behalf of the DoE in 1973. These sites may have been closed or operational at this time.
This data is sourced from the British Geological Survey.

3.3 Historical landfill (LA/mapping records)

Records within 500m

1

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

Features are displayed on the Waste and landfill map on [page 37 >](#)

ID	Location	Site address	Source	Data type
10	468m S	McAlpine Stadium	Kirklees Metropolitan Council	Polygon

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

3.4 Historical landfill (EA/NRW records)

Records within 500m

5

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 37 >](#)

ID	Location	Details		
B	47m SW	Site Address: Upstream Red Doles Lock, Mirfield Licence Holder Address: Lock Lane, Castleford	Waste Licence: Yes Site Reference: 4700/0682 Waste Type: Liquid sludge Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 22/11/1988 Licence Surrender: -	Operator: - Licence Holder: British Waterways Board First Recorded - Last Recorded: -
B	90m W	Site Address: Upstream Red Doles Lock, Mirfield Licence Holder Address: Lock Lane, Castleford	Waste Licence: Yes Site Reference: 4700/0662 Waste Type: Industrial, Liquid sludge Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 21/11/1988 Licence Surrender: 30/04/1994	Operator: - Licence Holder: British Waterways Board First Recorded 30/11/1988 Last Recorded: 31/12/1992



ID	Location	Details		
2	146m W	Site Address: Emerald Street Brick and Tile Landfill Site, Huddersfield Licence Holder Address: -	Waste Licence: - Site Reference: 4700/WY053, 1382 Waste Type: Industrial, Commercial, Household Environmental Permitting Regulations (Waste) Reference: - Licence Issue: - Licence Surrender: -	Operator: West Yorkshire Metropolitan County Council Licence Holder: West Yorkshire Waste Management Limited First Recorded: - Last Recorded: -
3	266m N	Site Address: Ground Near Lock No.8, Canker Lane, Mirfield Licence Holder Address: Lack Lane, Castleford	Waste Licence: - Site Reference: 4700/0663 Waste Type: Liquid sludge Environmental Permitting Regulations (Waste) Reference: - Licence Issue: - Licence Surrender: -	Operator: - Licence Holder: British Waterways Board First Recorded: - Last Recorded: -
8	465m SE	Site Address: Golf Driving Range, Lower Kilner Bank, off Bradley Mills Road, Huddersfield Licence Holder Address: Civic Centre, Huddersfield	Waste Licence: Yes Site Reference: 4700/0435 Waste Type: Inert, Industrial, Commercial, Household, Special Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 24/05/1984 Licence Surrender: 31/12/1990	Operator: - Licence Holder: Kirklees Metropolitan Borough Council First Recorded: - Last Recorded: -

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

3.5 Historical waste sites

Records within 500m

4

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 37](#) >

ID	Location	Address	Further Details	Date
F	212m SW	Site Address: Myers Group Ltd, Barr Street, Huddersfield, West Yorkshire, HD1 6PB	Type of Site: Material Recycling Facility Planning application reference: 2019/62/90181/W Description: Scheme comprises construction of material recovery/recycling facility includes SUDS. This project also includes associated infrastructure works and access roads. Data source: Historic Planning Application Data Type: Point	21/01/2019



ID	Location	Address	Further Details	Date
I	482m SW	Site Address: N/A	Type of Site: Incinerator Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1982
I	483m SW	Site Address: N/A	Type of Site: Incinerator Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1992
I	490m SW	Site Address: N/A	Type of Site: Incinerator Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1993

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

3.6 Licensed waste sites

Records within 500m

13

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

Features are displayed on the Waste and landfill map on [page 37](#) >

ID	Location	Details		
1	27m W	Site Name: Myers Skip Hire L T D Site Address: Myers Skip Hire L T D, Red Doles Lane, Huddersfield, West Yorkshire, HD2 1YF Correspondence Address: -	Type of Site: 75kte HCI Waste TS + treatment + asbestos Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 631116 EPR reference: EA/EPR/JB3001SX Operator: Myers Skip Hire L T D Waste Management licence No: 406649 Annual Tonnage: 74999	Issue Date: 25/02/2020 Effective Date: 25/02/2020 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued



ID	Location	Details		
E	189m N	Site Name: Champmans Casks And Drums Site Address: Red Doles Industrial Estate, Red Doles Road, Huddersfield Correspondence Address: 2, Dorchester Road, Fixby, Huddersfield, HD2 2JX	Type of Site: Material Recycling Treatment Facility Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: CHA003 EPR reference: - Operator: Chapmans (casks & Drums) Limited Waste Management licence No: 61042 Annual Tonnage: 0	Issue Date: 04/03/1994 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
E	189m N	Site Name: Champmans Casks And Drums Site Address: Red Doles Industrial Estate, Red Doles Road, Huddersfield Correspondence Address: 2, Dorchester Road, Fixby, Huddersfield, HD2 2JX	Type of Site: Material Recycling Treatment Facility Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: CHA003 EPR reference: - Operator: Chapmans Casks & Drums Limited Waste Management licence No: 61042 Annual Tonnage: 0	Issue Date: 04/03/1994 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
E	189m N	Site Name: Champmans Casks And Drums Site Address: Red Doles Industrial Estate, Red Doles Road, Red Doles Industrial Esta, Huddersfield, West Yorkshire, HD2 1YF Correspondence Address: -	Type of Site: Material Recycling Treatment Facility Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 645131 EPR reference: EA/EPR/HP3095ZK Operator: Chapmans (Casks & Drums) Limited Waste Management licence No: 61042 Annual Tonnage: 0	Issue Date: 04/03/1994 Effective Date: 04/03/1994 Modified: - Surrendered Date: 04/03/1994 Expiry Date: - Cancelled Date: - Status: Surrendered

ID	Location	Details		
F	224m SW	Site Name: Readymix Huddersfield Limited Site Address: Land/premises At, Bar Street, Leeds Road, Huddersfield, West Yorkshire, HD1 6PB Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: REA001 EPR reference: EA/EPR/KP3395ZW/V002 Operator: Readymix- Huddersfield Ltd Waste Management licence No: 61018 Annual Tonnage: 74999	Issue Date: 25/02/1992 Effective Date: - Modified: 22/01/2008 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
F	224m SW	Site Name: Readymix Huddersfield Limited Site Address: Bar Street, Leeds Road, Huddersfield, HD1 6PB Correspondence Address: Red Doles Lane, Leeds Road, Huddersfield, HD2 1YD	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: REA001 EPR reference: - Operator: Readymix-huddersfield Ltd Waste Management licence No: 61018 Annual Tonnage: 0	Issue Date: 25/02/1992 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
F	224m SW	Site Name: Readymix Huddersfield Limited Site Address: Bar Street, Leeds Road, Huddersfield, HD1 6PB Correspondence Address: Red Doles Lane, Leeds Road, Huddersfield, HD2 1YD	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: REA001 EPR reference: - Operator: Readymix (Huddersfield) Ltd Waste Management licence No: 61018 Annual Tonnage: 0	Issue Date: 25/02/1992 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued



ID	Location	Details		
F	224m SW	Site Name: Readymix Huddersfield Limited Site Address: Land/premises At, Bar Street, Leeds Road, Huddersfield, West Yorkshire, HD1 6PB Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: REA001 EPR reference: EA/EPR/KP3395ZW/V002 Operator: Readymix- Huddersfield Ltd Waste Management licence No: 61018 Annual Tonnage: 74999	Issue Date: 25/02/1992 Effective Date: - Modified: 22/01/2008 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
F	224m SW	Site Name: Readymix Huddersfield Limited Site Address: Land/premises At, Bar Street, Huddersfield, West Yorkshire, HD1 6PB Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 655826 EPR reference: EA/EPR/KP3395ZW Operator: Readymix- Huddersfield Limited Waste Management licence No: 61018 Annual Tonnage: 0	Issue Date: 25/02/1992 Effective Date: 25/02/1992 Modified: - Surrendered Date: 25/02/1992 Expiry Date: - Cancelled Date: - Status: Surrendered
H	442m SW	Site Name: Emerald Street Household Waste Site & Composting Facility Site Address: Emerald Street, Huddersfield, West Yorkshire Correspondence Address: Diamond Street, Huddersfield, West Yorkshire, HD1 6BZ	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: KIR002 EPR reference: - Operator: Sita (Kirklees) Limited Waste Management licence No: 65026 Annual Tonnage: 0	Issue Date: 19/08/1999 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued

ID	Location	Details		
H	442m SW	Site Name: Emerald Street Household Waste Site & Composting Facility Site Address: Land/premises At, Emerald Street, Huddersfield, West Yorkshire, HD1 6BY Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: KIR002 EPR reference: EA/EPR/HP3894ZJ/V002 Operator: Sita (kirklees) Limited Waste Management licence No: 65026 Annual Tonnage: 24999	Issue Date: 19/08/1999 Effective Date: - Modified: 23/08/2007 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
H	442m SW	Site Name: Emerald Street Household Waste Site & Composting Facility Site Address: Land/premises At, Emerald Street, Huddersfield, West Yorkshire, HD1 6BY Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: KIR002 EPR reference: EA/EPR/HP3894ZJ/V002 Operator: Sita (Kirklees) Ltd Waste Management licence No: 65026 Annual Tonnage: 24999	Issue Date: 19/08/1999 Effective Date: - Modified: 23/08/2007 Surrendered Date: 0 Expiry Date: - Cancelled Date: - Status: Modified
H	442m SW	Site Name: Emerald Street Household Waste Site & Composting Facility Site Address: Land/premises At, Emerald Street, Huddersfield, West Yorkshire, HD1 6BY Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 631177 EPR reference: EA/EPR/HP3894ZJ Operator: Suez Recycling And Recovery Kirklees Ltd Waste Management licence No: 65026 Annual Tonnage: 24999	Issue Date: 19/08/1999 Effective Date: 19/08/1999 Modified: 19/08/1999 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

29

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 37 >](#)

ID	Location	Site	Reference	Category	Sub-Category	Description
A	45m NE	Red Doles Lane, Huddersfield, Hd2 1yf	WEX384005	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
A	45m NE	Red Doles Lane, Huddersfield, Hd2 1yf	WEX384005	Storing waste exemption	Not on a farm	Storage of waste in a secure place
C	57m N	Aggregate Industries Red Doles Lane Huddersfield Hd2 1yf	EPR/BF0603LC /A001	Storing waste exemption	Non-agricultural waste only	Storage of waste in a secure place
C	68m N	Red Doles Lane, Huddersfield, Hd2 1yf	WEX387375	Storing waste exemption	Not on a farm	Storage of waste in a secure place
C	68m N	Red Doles Lane, Huddersfield, Hd2 1yf	WEX256313	Storing waste exemption	Not on a farm	Storage of waste in a secure place
C	68m N	Red Doles Lane, Huddersfield, Hd2 1yf	WEX115396	Storing waste exemption	Not on a farm	Storage of waste in a secure place
B	86m W	-	WEX402795	Storing waste exemption	Not on a farm	Storage of waste in a secure place
B	86m W	-	WEX275313	Storing waste exemption	Not on a farm	Storage of waste in a secure place
D	96m NE	Red Doles Industrial Park Red Doles Lane Huddersfield West Yorkshire Hd2 1yf	EPR/NE5348T R/A001	Storing waste exemption	Non-agricultural waste only	Storage of waste in a secure place
D	96m NE	Red Doles Industrial Park Red Doles Lane Huddersfield West Yorkshire Hd2 1yf	EPR/NE5348T R/A001	Treating waste exemption	Non-agricultural waste only	Preparatory treatments (baling, sorting, shredding etc)
E	156m N	Red Doles Lane, Huddersfield, Hd2 1yf	WEX115150	Storing waste exemption	Not on a farm	Storage of waste in a secure place
E	156m N	Red Doles Lane, Huddersfield, Hd2 1yf	WEX115150	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)



ID	Location	Site	Reference	Category	Sub-Category	Description
E	156m N	Red Doles Lane, Huddersfield, Hd2 1yf	WEX256465	Storing waste exemption	Not on a farm	Storage of waste in a secure place
E	156m N	Red Doles Lane, Huddersfield, Hd2 1yf	WEX256465	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
4	333m NW	90 Abbey Road Huddersfield Kirklees Hd2 1bb	EPR/DE5444V U/A001	Treating waste exemption	Non-agricultural waste only	Sorting and de-naturing of controlled drugs for disposal
5	400m W	Emerald Street Hwrc And Composting Site Emerald Street Huddersfield Hd1 6by	EPR/XE5247ZG /A001	Storing waste exemption	Non-agricultural waste only	Storage of waste in a secure place
6	400m NE	Canalside Sports Complex Leeds Road Huddersfield West Yorkshire Hd2 1yj	EPR/GE5150FL /A001	Using waste exemption	Non-agricultural waste only	Use of waste in construction
G	435m E	Jackson Frameworks Ltd Spring Bank Road Deighton Huddersfield Hd2 1xx	EPR/FF0700BS /A001	Treating waste exemption	Non-agricultural waste only	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
G	435m E	Jackson Frameworks Ltd Spring Bank Road Deighton Huddersfield Hd2 1xx	EPR/FF0700BS /A001	Using waste exemption	Non-agricultural waste only	Use of waste in construction
G	435m E	Jackson Frameworks Ltd Spring Bank Road Deighton Huddersfield Hd2 1xx	EPR/FF0700BS /A001	Using waste exemption	Non-agricultural waste only	Spreading of plant matter to confer benefit
G	435m E	Jackson Frameworks Ltd Spring Bank Road Deighton Huddersfield Hd2 1xx	EPR/FF0700BS /A001	Using waste exemption	Non-agricultural waste only	Use of waste for a specified purpose
G	435m E	Jackson Frameworks Ltd Spring Bank Road Deighton Huddersfield Hd2 1xx	EPR/FF0700BS /A001	Treating waste exemption	Non-agricultural waste only	Treatment of waste aerosol cans
G	435m E	Jackson Frameworks Ltd Spring Bank Road Deighton Huddersfield Hd2 1xx	EPR/FF0700BS /A001	Using waste exemption	Non-agricultural waste only	Use of mulch

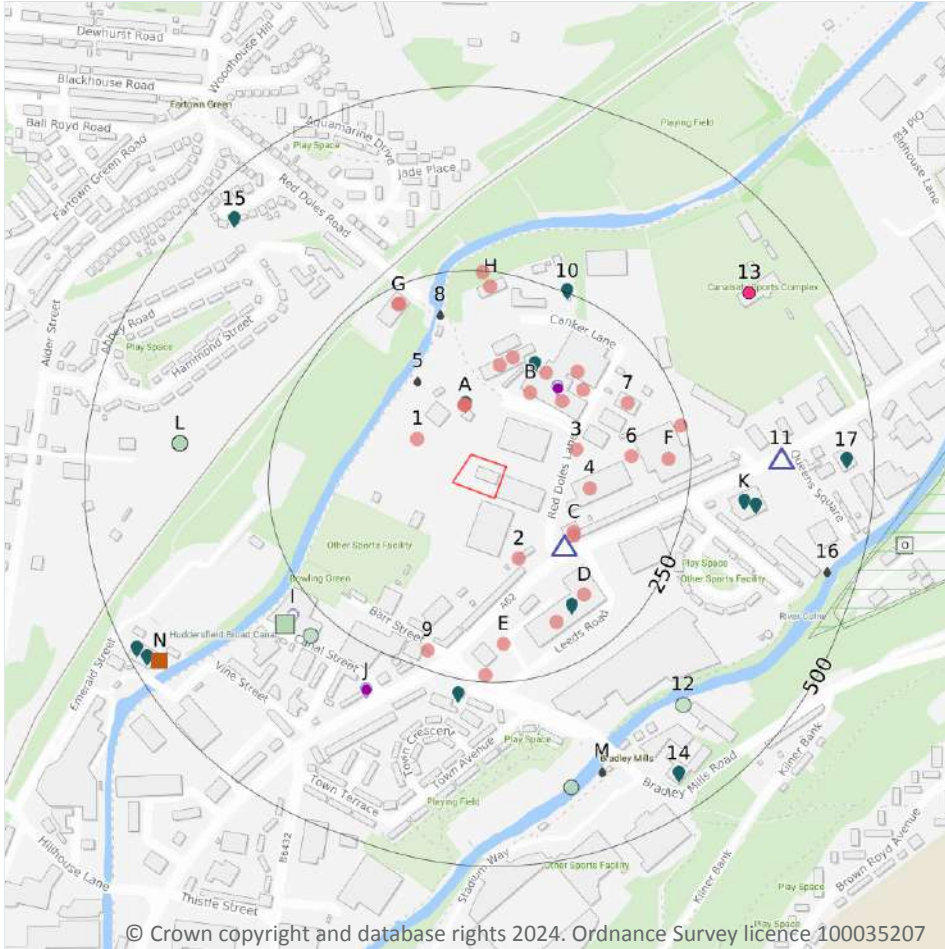


ID	Location	Site	Reference	Category	Sub-Category	Description
7	449m W	Alder Street, Huddersfield, Hd1 6ld	WEX134294	Disposing of waste exemption	Not on a farm	Burning waste in the open
9	466m SW	Galloway House, 241, Leeds Road, Huddersfield, Hd1 6ns	WEX408726	Storing waste exemption	Not on a farm	Storage of waste in a secure place
11	472m NW	-	WEX233303	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
H	479m SW	Suez Recycling And Recovery Kirklees Ltd, Emerald Street Hwrc And Composting Site, Emerald Street, Huddersfield, Hd1 6by	WEX281161	Storing waste exemption	Not on a farm	Storage of waste in a secure place
H	479m SW	Electrical Waste Recycling Group Limited, Emerald Street, Huddersfield, Hd1 6by	WEX294563	Storing waste exemption	Not on a farm	Storage of waste in a secure place
H	479m SW	Emerald Street Depot, Emerald Steet, Huddersfield, Hd1 6by	WEX295975	Storing waste exemption	Not on a farm	Storage of waste in a secure place

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



4 Current industrial land use



4.1 Recent industrial land uses

Records within 250m

29

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on [page 48](#) >

ID	Location	Company	Address	Activity	Category
A	68m N	Mini Mix Huddersfield Ltd	Red Doles Lane, Huddersfield, West Yorkshire, HD1 2UJ	Concrete Products	Industrial Products



ID	Location	Company	Address	Activity	Category
A	68m N	Ready Mixed Concrete Huddersfield Ltd	Red Doles Lane, Huddersfield, West Yorkshire, HD2 1YD	Concrete Products	Industrial Products
A	68m N	Express Asphalt	Express Asphalt, Red Doles Lane, Huddersfield, West Yorkshire, HD2 1YF	Road Maintenance Equipment	Industrial Products
1	73m NW	Hoppers	West Yorkshire, HD2	Hoppers and Silos	Farming
2	88m SE	Electricity Sub Station	West Yorkshire, HD2	Electrical Features	Infrastructure and Facilities
3	98m E	Electricity Sub Station	West Yorkshire, HD2	Electrical Features	Infrastructure and Facilities
B	106m NE	Red Doles Industrial Estate	West Yorkshire, HD2	Business Parks and Industrial Estates	Industrial Features
4	116m E	D & M Heritage Ltd	Red Doles Lane, Huddersfield, West Yorkshire, HD2	Published Goods	Industrial Products
C	117m SE	John Shaw & Sons	Canker Lane Garage, Leeds Road, Huddersfield, West Yorkshire, HD2 1XT	Vehicle Repair, Testing and Servicing	Repair and Servicing
B	117m NE	Kiwi Flooring Supplies	Unit 2 Field Mills, Red Doles Lane, Huddersfield, West Yorkshire, HD2 1YF	Construction Completion Services	Construction Services
C	119m SE	John Shaw Ltd	Canker Lane Garage, Leeds Road, Huddersfield, West Yorkshire, HD2 1XT	Petrol and Fuel Stations	Road and Rail
B	127m N	D & K Pallets Ltd	Bolam and Shaw, Red Doles Lane, Huddersfield, West Yorkshire, HD2 1YF	Packaging	Industrial Products
B	140m NE	Chimney	West Yorkshire, HD2	Chimneys	Industrial Features
B	143m N	Donald Heath Cartons	Bolam and Shaw, Red Doles Lane, Huddersfield, West Yorkshire, HD2 1YF	Recycling, Reclamation and Disposal	Recycling Services
B	147m NE	Electricity Sub Station	West Yorkshire, HD2	Electrical Features	Infrastructure and Facilities
B	161m NE	United Anodisers	Field Mills, Red Doles Lane, Huddersfield, West Yorkshire, HD2 1YG	Industrial Coatings and Finishings	Industrial Products
6	170m E	Tavelling Crane	West Yorkshire, HD2	Travelling Cranes and Gantries	Industrial Features
D	179m SE	Bensons for Beds	E1, Leeds Road Retail Park, Leeds Road, Town Centre, Huddersfield, West Yorkshire, HD1 6PF	Beds and Bedding	Consumer Products



ID	Location	Company	Address	Activity	Category
7	186m NE	Sail Brand	Unit 11 to 15 Wholesale Market, Red Doles Lane, Huddersfield, West Yorkshire, HD2 1YF	Fish, Meat and Poultry Products	Foodstuffs
D	188m SE	Dreams Plc	E2, Leeds Road Retail Park, Leeds Road, Huddersfield, West Yorkshire, HD1 6PF	Beds and Bedding	Consumer Products
E	198m S	Electricity Sub Station	West Yorkshire, HD1	Electrical Features	Infrastructure and Facilities
F	221m E	Works	West Yorkshire, HD2	Unspecified Works Or Factories	Industrial Features
9	225m S	Electricity Sub Station	West Yorkshire, HD1	Electrical Features	Infrastructure and Facilities
G	226m NW	Works	West Yorkshire, HD2	Unspecified Works Or Factories	Industrial Features
G	227m NW	Montgomery Engravers Ltd	Red Doles Road, Fartown, Huddersfield, West Yorkshire, HD2 1AT	Signs	Industrial Products
H	229m N	S E Broscombe Ltd	Red Doles Lane, Huddersfield, West Yorkshire, HD2 1YF	Distribution and Haulage	Transport, Storage and Delivery
E	240m S	Electricity Sub Station	West Yorkshire, HD1	Electrical Features	Infrastructure and Facilities
F	243m E	Travelling Crane	West Yorkshire, HD2	Travelling Cranes and Gantries	Industrial Features
H	249m N	Mast (Telecommunication)	West Yorkshire, HD2	Telecommunications Features	Infrastructure and Facilities

This data is sourced from Ordnance Survey.

4.2 Current or recent petrol stations

Records within 500m

2

Open, closed, under development and obsolete petrol stations.

Features are displayed on the Current industrial land use map on [page 48 >](#)

ID	Location	Company	Address	LPG	Status
C	113m SE	UK	Leeds Road, Huddersfield, West Yorkshire, HD2 1XT	No	Open



ID	Location	Company	Address	LPG	Status
11	373m E	OBSOLETE	400, Leeds Road, Huddersfield, West Yorkshire, HD2 1YW	Not Applicable	Obsolete

This data is sourced from Experian.

4.3 Electricity cables

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

This data is sourced from National Grid.

4.4 Gas pipelines

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

This data is sourced from National Grid.

4.5 Sites determined as Contaminated Land

Records within 500m	0
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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	2
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Control of Major Accident Hazards (COMAH) sites. This data includes upper and lower tier sites, and includes a historical archive of COMAH sites and Notification of Installations Handling Hazardous Substances (NIHHS) records.

Features are displayed on the Current industrial land use map on [page 48](#) >

ID	Location	Company	Address	Operational status	Tier
O	467m SE	Arch Timber Protection Limited	Arch Timber Protection Limited, Huddersfield, Huddersfield Works, Leeds Road, Huddersfield, West Yorkshire, HD2 1YU	Current COMAH Site	COMAH Upper Tier Operator

ID	Location	Company	Address	Operational status	Tier
O	485m E	Syngenta Limited	Syngenta Limited, Huddersfield, PO Box A38, Leeds Road, Huddersfield, West Yorkshire, HD2 1FF	Current COMAH Site	COMAH Upper Tier Operator

This data is sourced from the Health and Safety Executive.

4.7 Regulated explosive sites

Records within 500m

0

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

This data is sourced from the Health and Safety Executive.

4.8 Hazardous substance storage/usage

Records within 500m

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

3

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.

Features are displayed on the Current industrial land use map on [page 48 >](#)

ID	Location	Details	
N	466m SW	Operator: West Yorkshire Waste Ltd Address: Huddersfield Incinerator, Vine Street, Huddersfield, West Yorkshire, HD1 6NT Process: Incineration Permit Number: AG8446	Original Permit Number: IPCAIRAPP Date Approved: 28-5-1993 Effective Date: 28-5-1993 Status: Superseded By Variation
N	466m SW	Operator: West Yorkshire Waste Ltd Address: Huddersfield Incinerator, Vine Street, Huddersfield, West Yorkshire, HD1 6NT Process: Incineration Permit Number: AL5585	Original Permit Number: IPCMINVAR Date Approved: 29-4-1994 Effective Date: 6-5-1994 Status: Superseded By Variation



ID	Location	Details	
N	466m SW	Operator: West Yorkshire Waste Ltd Address: Huddersfield Incinerator, Vine Street, Huddersfield, West Yorkshire, HD1 6NT Process: Incineration Permit Number: AT8541	Original Permit Number: IPCMINVAR Date Approved: 3-11-1995 Effective Date: 1-12-1995 Status: Revoked

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

4.10 Licensed industrial activities (Part A(1))

Records within 500m	10
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Records of Part A(1) installations regulated under the Environmental Permitting (England and Wales) Regulations 2016 for the release of substances to the environment.

Features are displayed on the Current industrial land use map on [page 48 >](#)

ID	Location	Details	
B	127m NE	Operator: UNITED ANODISERS LIMITED Installation Name: Huddersfield Surface Treatment - EPR/BO2650IM Process: ASSOCIATED PROCESS Permit Number: BO2650IM Original Permit Number: BO2650IM	EPR Reference: EPR/BO2650IM Issue Date: 27/07/2010 Effective Date: 27/07/2010 Last date noted as effective: 06/08/2024 Status: Effective
B	127m NE	Operator: UNITED ANODISERS LIMITED Installation Name: Huddersfield Surface Treatment - EPR/BO2650IM Process: SURFACE TREATING METALS AND PLASTICS; ELECTROLYTIC/CHEMICAL >30 CU M Permit Number: BO2650IM Original Permit Number: BO2650IM	EPR Reference: EPR/BO2650IM Issue Date: 27/07/2010 Effective Date: 27/07/2010 Last date noted as effective: 06/08/2024 Status: Effective
B	127m NE	Operator: Heywood Metal Finishers Ltd Installation Name: Huddersfield Surface Treatment Process: ASSOCIATED PROCESS Permit Number: RP3332LJ Original Permit Number: BO2650IM	EPR Reference: - Issue Date: 19/01/2007 Effective Date: 19/01/2007 Last date noted as effective: 21/03/2023 Status: Superseded
B	127m NE	Operator: Heywood Metal Finishers Ltd Installation Name: Huddersfield Surface Treatment Process: SURFACE TREATING METALS AND PLASTICS; ELECTROLYTIC/CHEMICAL >30 CU M Permit Number: RP3332LJ Original Permit Number: BO2650IM	EPR Reference: - Issue Date: 19/01/2007 Effective Date: 19/01/2007 Last date noted as effective: 21/03/2023 Status: Superseded



ID	Location	Details	
B	127m NE	Operator: United Anodisers Limited Installation Name: Huddersfield Surface Treatment - EPR/BO2650IM Process: ASSOCIATED PROCESS Permit Number: CP3533HT Original Permit Number: BO2650IM	EPR Reference: - Issue Date: 28/07/2010 Effective Date: 27/07/2010 Last date noted as effective: 21/03/2023 Status: Effective
B	127m NE	Operator: United Anodisers Limited Installation Name: Huddersfield Surface Treatment - EPR/BO2650IM Process: SURFACE TREATING METALS AND PLASTICS; ELECTROLYTIC/CHEMICAL >30 CU M Permit Number: CP3533HT Original Permit Number: BO2650IM	EPR Reference: - Issue Date: 28/07/2010 Effective Date: 27/07/2010 Last date noted as effective: 21/03/2023 Status: Effective
I	284m SW	Operator: Huddersfield Dyeing Company Ltd Installation Name: CANAL BANK DYEWORKS Process: COATING, PRINTING AND TEXTILES; PRE-TREATING BY WASHING ETC >10T/DAY Permit Number: BU9319IG Original Permit Number: BR5019IE	EPR Reference: - Issue Date: 01/07/2003 Effective Date: 01/07/2003 Last date noted as effective: 21/03/2023 Status: Revoked
J	306m SW	Operator: HUDDERSFIELD DYEING COMPANY LIMITED Installation Name: Canal Bank Dyeworks EPR/NP3032WQ Process: PRE-TREATING OR DYEING FIBRES OR TEXTILES >10 TPD Permit Number: NP3032WQ Original Permit Number: NP3032WQ	EPR Reference: EPR/NP3032WQ Issue Date: 02/03/2015 Effective Date: 02/03/2015 Last date noted as effective: 06/08/2024 Status: Effective
J	306m SW	Operator: HUDDERSFIELD DYEING COMPANY LIMITED Installation Name: Canal Bank Dyeworks EPR/NP3032WQ Process: DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING PHYSICO-CHEMICAL TREATMENT Permit Number: NP3032WQ Original Permit Number: NP3032WQ	EPR Reference: EPR/NP3032WQ Issue Date: 02/03/2015 Effective Date: 02/03/2015 Last date noted as effective: 06/08/2024 Status: Effective
J	306m SW	Operator: HUDDERSFIELD DYEING COMPANY LIMITED Installation Name: Canal Bank Dyeworks EPR/NP3032WQ Process: COATING, PRINTING AND TEXTILES; PRE-TREATING BY WASHING ETC >10T/DAY Permit Number: NP3032WQ Original Permit Number: NP3032WQ	EPR Reference: EPR/NP3032WQ Issue Date: 02/03/2015 Effective Date: 02/03/2015 Last date noted as effective: 06/08/2024 Status: Effective

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



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

Records within 500m

12

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 48](#) >

ID	Location	Address	Details	
A	68m N	Ready Mix Huddersfield Ltd, Red Doles Lane, Huddersfield, HD2 1YF	Process: Use of Bulk Cement Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
B	144m NE	Bolam & Shaw Ltd, Red Doles Lane, Huddersfield, HD2 1YF	Process: Timber Manufacture Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
D	180m SE	Brook Daihatsu Ltd, Town Works, Leeds Rd, Huddersfield, HD2 1XZ	Process: Respraying of Road Vehicles Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
10	252m NE	Express Asphalt, Red Doles Lane, Huddersfield, HD2 1YF	Process: Roadstone Coating Processes Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
E	271m S	John Shaw & Son (Hauliers) Ltd, Commercial Garage, 270 Leeds Road, Huddersfield, HD1 6PD	Process: Waste Oil Burner 0.4 MW Status: New Legislation Applies Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
K	326m E	Bristol Street Motors Ltd, Leeds Rd, Huddersfield, HD2 1XS	Process: Respraying of Road Vehicles Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
K	343m E	Midlothian Garage (Yorks) Ltd, Leeds Road, Huddersfield, HD2 1XS	Process: Respraying of Road Vehicles Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified



ID	Location	Address	Details	
14	450m SE	Alfatech, Unit 8, Bradley Mills Industrial Estate, Huddersfield, HD1 6PO	Process: Waste Oil Burner 0.4 MW Status: New Legislation Applies Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
15	454m NW	Chapmans Casks, Red Doles Lane, Off Leeds Rd, Huddersfield, HD2 1YF	Process: Coating Processes Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
17	462m E	H Downs & Sons Ltd, Peacock Works, Leeds Road, Huddersfield, HD2 1XL	Process: Non-ferrous Metal Foundry Processes Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
N	479m SW	Roadend Foundry, Mark Brooks Yard, Huddersfield, HD1 6NU	Process: Non-ferrous Metal Foundry Processes Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
N	485m SW	Kilner Hutchinson Ltd, Emerald Street, Hillhouse, Huddersfield, HD1 6BY	Process: Other Metal Processes Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified

This data is sourced from Local Authority records.

4.12 Radioactive Substance Authorisations

Records within 500m

1

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

Features are displayed on the Current industrial land use map on [page 48](#) >

ID	Location	Address	Details	
13	406m NE	Ici Chemicals And Polymers Ltd, Huddersfield Site, Huddersfield, HD2 1FF	Operator: Ici Chemicals And Polymers Ltd Type: Disposal Of Radioactive Waste (was Rsa60 Section 6). Permission number: AC1059 Date of approval: 31/03/1991	Effective from: 31/03/1991 Last date of update: 01/01/2015 Status: Revoked/cancelled

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



4.13 Licensed Discharges to controlled waters

Records within 500m

4

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

Features are displayed on the Current industrial land use map on [page 48 >](#)

ID	Location	Address	Details	
5	123m NW	RMC HUDDERSFIELD LTD RED DOLES LANE, LEEDS ROAD HUDDERSFIELD HD2 1YD	Effluent Type: TRADE DISCHARGES - PROCESS EFFLUENT - NOT WATER COMPANY Permit Number: 970 Permit Version: 1 Receiving Water: CANKER DIKE	Status: TRANSFERRED FROM R(PP)A 1951-1961 Issue date: 25/03/1959 Effective Date: 25/03/1959 Revocation Date: -
8	195m N	BAPTIST LANE SSO, BAPTIST LANE, OSSETT, WAKEFIELD, WF5 0HD	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: S/CB/51 Permit Version: 1 Receiving Water: VARIES WITH OUTLET	Status: TRANSFERRED FROM R(PP)A 1951-1961 Issue date: 27/05/1963 Effective Date: 27/05/1963 Revocation Date: 01/07/1993
M	399m S	BRADLEY MILLS ROAD SPS, BRADLEY MILLS, HUDDERSFIELD, WEST YORKSHIRE	Effluent Type: SEWAGE DISCHARGES - PUMPING STATION - WATER COMPANY Permit Number: WRA7164 Permit Version: 1 Receiving Water: RIVER COLNE	Status: NEW CONSENT, BY APPLICATION (WRA 91, SECTION 88) Issue date: 11/07/1995 Effective Date: 11/07/1995 Revocation Date: -
16	459m E	RED DOLES ROAD CSO, RED DOLES ROAD/BLACKHOUSE DIKE, HUDDERSFIELD, WEST YORKSHIRE, HD2 1DP	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 2623 Permit Version: 2 Receiving Water: RIVER COLNE	Status: VARIED UNDER EPR 2010 Issue date: 28/06/2019 Effective Date: 28/06/2019 Revocation Date: -

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

4.14 Pollutant release to surface waters (Red List)

Records within 500m

0

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

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



4.15 Pollutant release to public sewer

Records within 500m

1

Discharges of Special Category Effluents to the public sewer.

Features are displayed on the Current industrial land use map on [page 48](#) >

ID	Location	Address	Details	
N	466m SW	WAKEFIELD CITY COUNCIL, HUDDERSFIELD INCINERATOR, VINE STREET, HUDDERSFIELD, WEST YORKSHIRE, HD1 6NT	Permission reference: A16258 Local Authority: WAKEFIELD CITY COUNCIL First received date: 01/06/2001	Last received date: 01/01/2018 Status: RECEIVED

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

4.16 List 1 Dangerous Substances

Records within 500m

0

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

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

4.17 List 2 Dangerous Substances

Records within 500m

1

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.

Features are displayed on the Current industrial land use map on [page 48](#) >

ID	Location	Name	Status	Receiving Water	Authorised Substances
I	298m SW	Huddersfield Dyeing Co	Not Active	Unknown	Permethrin

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

4.18 Pollution Incidents (EA/NRW)

Records within 500m

6

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 48](#) >



ID	Location	Details	
I	283m SW	Incident Date: 11/08/2001 Incident Identification: 23557 Pollutant: Organic Chemicals/Products Pollutant Description: Other Organic Chemical or Product	Water Impact: Category 3 (Minor) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
L	374m W	Incident Date: 22/09/2005 Incident Identification: 348477 Pollutant: General Biodegradable Materials and Wastes Pollutant Description: Other General Biodegradable Material or Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 2 (Significant) Air Impact: Category 3 (Minor)
L	374m W	Incident Date: 22/09/2005 Incident Identification: 348477 Pollutant: Inert Materials and Wastes Pollutant Description: Construction and Demolition Materials and Wastes	Water Impact: Category 4 (No Impact) Land Impact: Category 2 (Significant) Air Impact: Category 3 (Minor)
L	374m W	Incident Date: 22/09/2005 Incident Identification: 348477 Pollutant: Specific Waste Materials Pollutant Description: Asbestos	Water Impact: Category 4 (No Impact) Land Impact: Category 2 (Significant) Air Impact: Category 3 (Minor)
12	379m SE	Incident Date: 26/07/2003 Incident Identification: 176882 Pollutant: Inert Materials and Wastes Pollutant Description: Construction and Demolition Materials and Wastes	Water Impact: Category 3 (Minor) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
M	406m S	Incident Date: 25/08/2001 Incident Identification: 26809 Pollutant: Sewage Materials Pollutant Description: Crude Sewage	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)

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

4.19 Pollution inventory substances

Records within 500m

4

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

Features are displayed on the Current industrial land use map on [page 48 >](#)



ID: B, Location: 127m NE, Permit: BO2650IM
 Operator: United Anodisers Limited
 Activity: SURFACE TREATING METALS AND PLASTICS; ELECTROLYTIC/CHEMICAL >30 CU M
 Address: Field Mills Red Doles Lane Huddersfield West Yorkshire HD2 1YG
 Sector: Metals, Sub-sector: Surface treatment
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Wastewater	Zinc	100kg	Below Reporting Threshold
Air	Carbon dioxide	10000000kg	Below Reporting Threshold
Wastewater	Cadmium	1kg	Below Reporting Threshold
Wastewater	Copper	20kg	Below Reporting Threshold
Wastewater	Lead	20kg	Below Reporting Threshold
Air	Hydrofluorocarbons (HFCs)	100kg	Below Reporting Threshold
Wastewater	Chromium	20kg	Below Reporting Threshold
Wastewater	Mercury	0.1kg	Below Reporting Threshold

ID: B, Location: 127m NE, Permit: BO2650IM
 Operator: United Anodisers Limited
 Activity: SURFACE TREATING METALS AND PLASTICS; ELECTROLYTIC/CHEMICAL >30 CU M
 Address: Field Mills Red Doles Lane Huddersfield West Yorkshire HD2 1YG
 Sector: Metals, Sub-sector: Surface treatment
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Wastewater	Nickel	20kg	30kg

ID: J, Location: 306m SW, Permit: NP3032WQ
 Operator: Huddersfield Dyeing Company Limited
 Activity: COATING, PRINTING AND TEXTILES; PRE-TREATING BY WASHING ETC >10T/DAY
 Address: Canal Bank Dyeworks Canal Street Leeds Road West Yorkshire HD1 6NY
 Sector: Paper and textiles, Sub-sector: Textiles
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Sulphur oxides (SO2 and SO3) as SO2	100000kg	Below Reporting Threshold
Wastewater	Total organic carbon (TOC)	50000kg	Below Reporting Threshold



Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Carbon dioxide	10000000kg	Below Reporting Threshold
Wastewater	Chlorfenvinphos	0.1kg	Below Reporting Threshold
Air	Carbon monoxide	100000kg	Below Reporting Threshold
Air	Nitrogen oxides (NO and NO2) as NO2	100000kg	Below Reporting Threshold
Wastewater	Chromium	20kg	Below Reporting Threshold

ID: J, Location: 306m SW, Permit: NP3032WQ
 Operator: Huddersfield Dyeing Company Limited
 Activity: COATING, PRINTING AND TEXTILES; PRE-TREATING BY WASHING ETC >10T/DAY
 Address: Canal Bank Dyeworks Canal Street Leeds Road West Yorkshire HD1 6NY
 Sector: Paper and textiles, Sub-sector: Textiles
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Wastewater	Cypermethrin	0.005kg	0.0198kg

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

4.20 Pollution inventory waste transfers

Records within 500m

2

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

Features are displayed on the Current industrial land use map on [page 48 >](#)

ID: B, Location: 127m NE, Permit: BO2650IM
 Operator: United Anodisers Limited
 Activity: SURFACE TREATING METALS AND PLASTICS; ELECTROLYTIC/CHEMICAL >30 CU M
 Address: Field Mills Red Doles Lane Huddersfield West Yorkshire HD2 1YG
 Sector: Metals, Sub-sector: Surface treatment
 Releases:



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numbers D1 to D12 (eg evaporation, drying, calcination, etc.)	163	Absolute Value	11 01 09	sludges and filter cakes containing dangerous substances	Yes
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	6	Absolute Value	15 01 03	wooden packaging	No
R11	Use of wastes obtained from any of the operations numbered R1 to R10	68	Absolute Value	20 03 01	mixed municipal waste	No
R4	Recycling/reclamation of metals and metal compounds	40	Absolute Value	17 04 02	aluminium	No

ID: J, Location: 306m SW, Permit: NP3032WQ
Operator: Huddersfield Dyeing Company Limited
Activity: COATING, PRINTING AND TEXTILES; PRE-TREATING BY WASHING ETC >10T/DAY
Address: Canal Bank Dyeworks Canal Street Leeds Road West Yorkshire HD1 6NY
Sector: Paper and textiles, Sub-sector: Textiles
Releases:

Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D1	Deposit into or onto land (eg landfill, etc.)	13	Absolute Value	20 03 01	mixed municipal waste	No
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	Below Reporting Threshold	Below Reporting Threshold	04 02 22	wastes from processed textile fibres	No
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	Below Reporting Threshold	Below Reporting Threshold	15 01 01	paper and cardboard packaging	No
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	Below Reporting Threshold	Below Reporting Threshold	15 01 02	plastic packaging	No



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes)	Below Reporting Threshold	Below Reporting Threshold	15 01 03	wooden packaging	No
R4	Recycling/reclamation of metals and metal compounds	Below Reporting Threshold	Below Reporting Threshold	15 01 04	metallic packaging	No

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

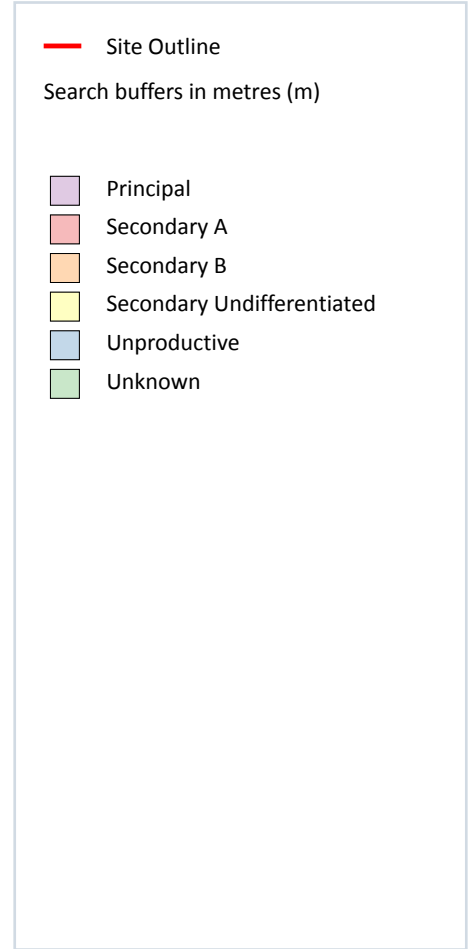
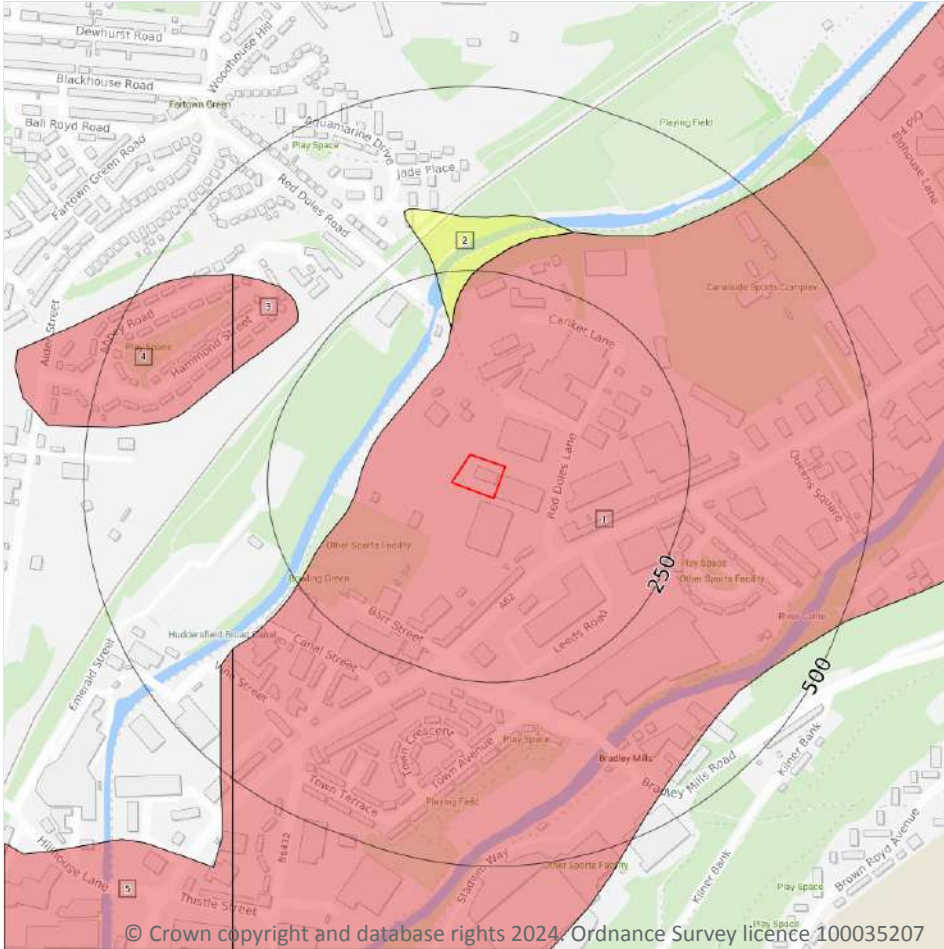
4.21 Pollution inventory radioactive waste

Records within 500m	0
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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



5.1 Superficial aquifer

Records within 500m

5

Aquifer status of groundwater held within superficial geology.

Features are displayed on the Hydrogeology map on [page 64](#) >

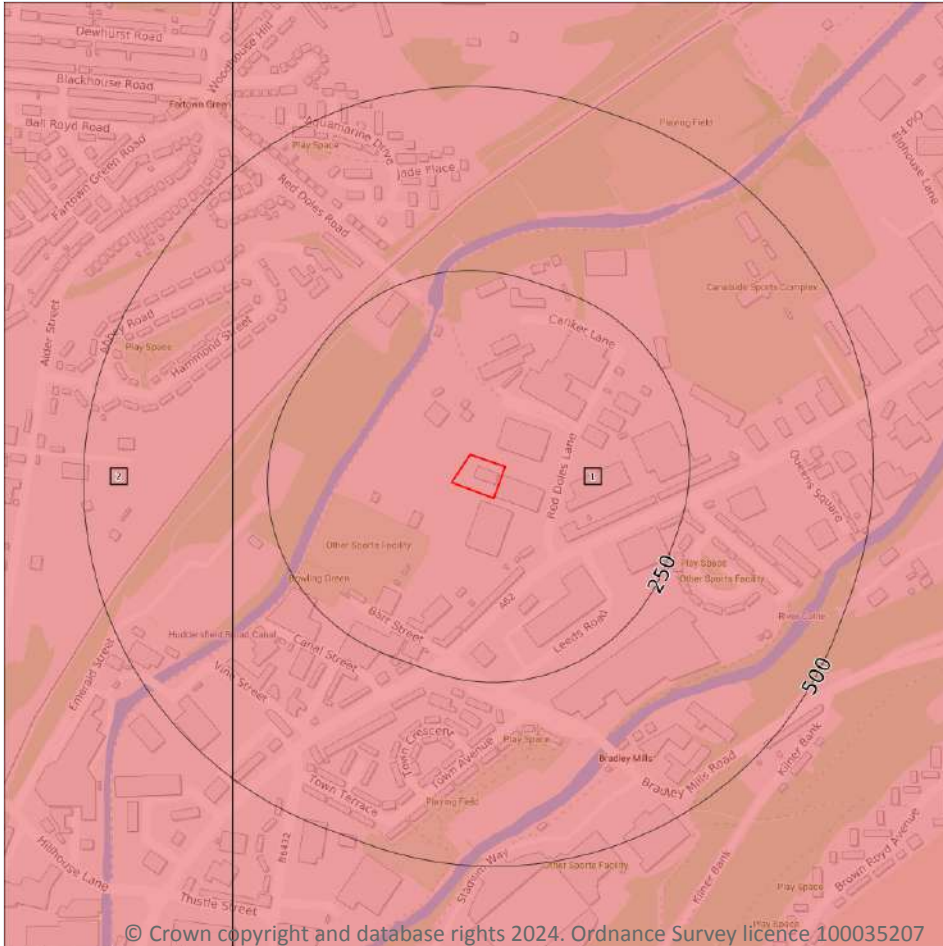
ID	Location	Designation	Description
1	On site	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
2	175m N	Secondary 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

ID	Location	Designation	Description
3	296m NW	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
4	333m NW	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
5	374m SW	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers

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



Bedrock aquifer



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

5.2 Bedrock aquifer

Records within 500m

2

Aquifer status of groundwater held within bedrock geology.

Features are displayed on the Bedrock aquifer map on [page 66](#) >

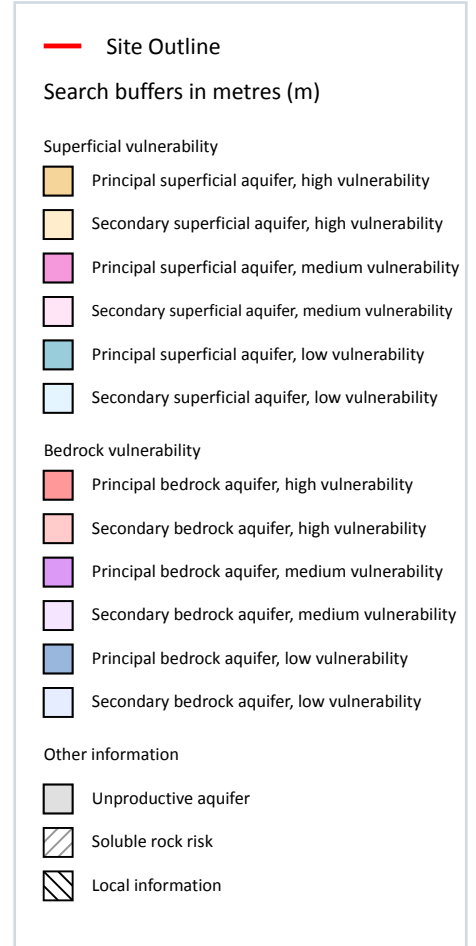
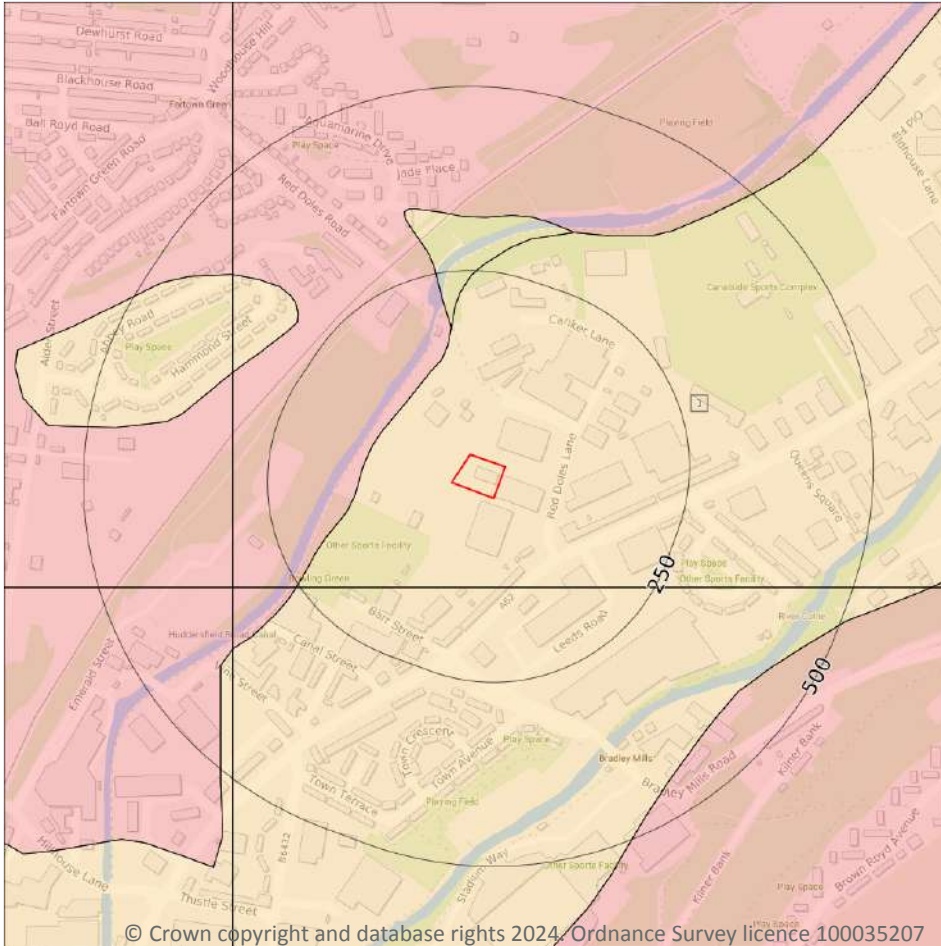
ID	Location	Designation	Description
1	On site	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
2	298m W	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers



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



Groundwater vulnerability



5.3 Groundwater vulnerability

Records within 50m

1

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

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

Features are displayed on the Groundwater vulnerability map on [page 68](#) >

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: 300- 550mm/year	Vulnerability: High Aquifer type: Secondary Thickness: 3-10m Patchiness value: <90% Recharge potential: No Data	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.

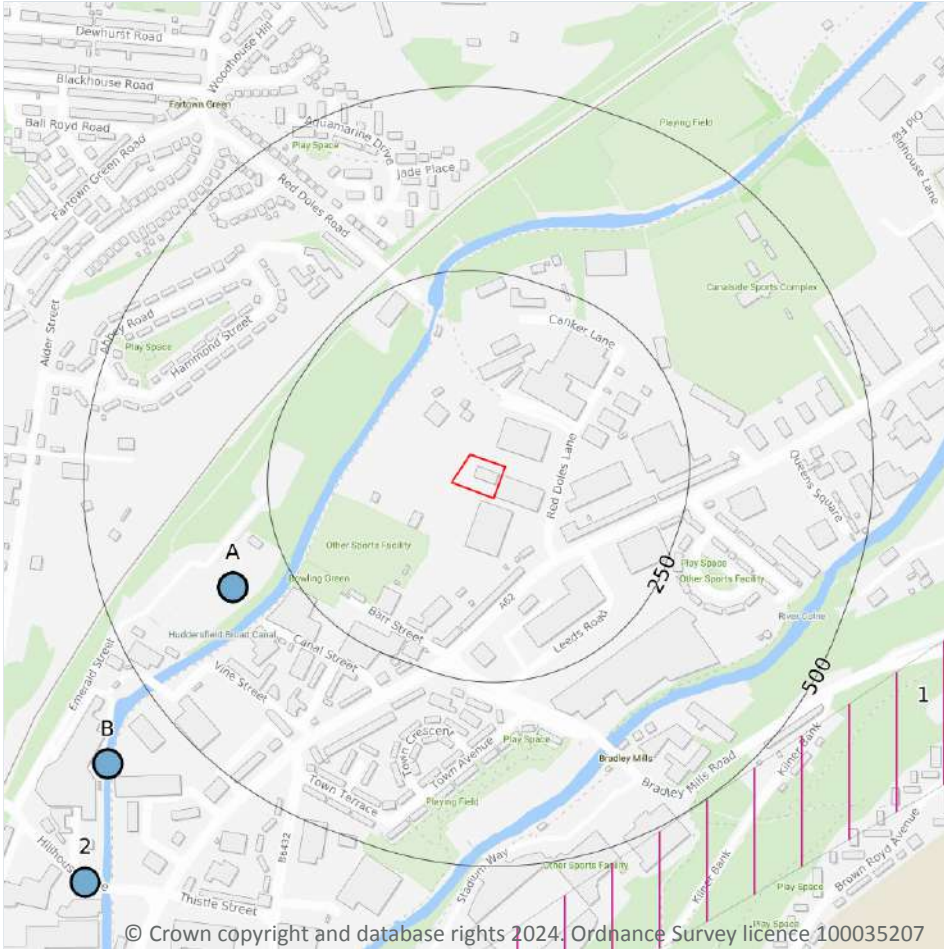
5.5 Groundwater vulnerability- local information

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



5.6 Groundwater abstractions

Records within 2000m

50

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 70 >](#)

ID	Location	Details	
A	330m SW	Status: Active Licence No: 2/27/11/171 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE - MILLSTONE GRIT - HUDDERSFIELD Data Type: Point Name: HUDDERSFIELD DYEING CO LTD Easting: 415000 Northing: 418000	Annual Volume (m ³): 136410 Max Daily Volume (m ³): 637.07 Original Application No: 6256 Original Start Date: 24/05/1990 Expiry Date: - Issue No: 100 Version Start Date: 24/05/1990 Version End Date: -
A	330m SW	Status: Historical Licence No: 2/27/11/171 Details: General use relating to Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE Data Type: Point Name: HUDDERSFIELD DYEING CO LTD Easting: 415000 Northing: 418000	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 24/05/1990 Expiry Date: - Issue No: 100 Version Start Date: 24/05/1990 Version End Date: -
1	501m SE	Status: Historical Licence No: 2/27/11/060 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: GROUNDWATERS Point: BOREHOLE X4 - CARBONIFEROUS MILLSTONE GRIT Data Type: Poly4 Name: ZENECA FINE CHEMICAL MANUFACTURING ORGANISATION Easting: 416690 Northing: 418150	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 27/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 27/01/1966 Version End Date: -
-	742m S	Status: Historical Licence No: 2/27/11/060 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: GROUNDWATERS Point: BOREHOLE 4 - MILLSTONE GRIT - HUDDERSFIELD Data Type: Point Name: SYNGENTA LTD Easting: 415180 Northing: 417400	Annual Volume (m ³): 881941 Max Daily Volume (m ³): 6000.84 Original Application No: - Original Start Date: 27/01/1966 Expiry Date: - Issue No: 102 Version Start Date: 12/10/2006 Version End Date: -



ID	Location	Details	
-	742m S	Status: Historical Licence No: 2/27/11/060 Details: Process Water Direct Source: GROUNDWATERS Point: BOREHOLE 4 - MILLSTONE GRIT - HUDDERSFIELD Data Type: Point Name: SYNGENTA LTD Easting: 415180 Northing: 417400	Annual Volume (m ³): 881941 Max Daily Volume (m ³): 6000.84 Original Application No: - Original Start Date: 27/01/1966 Expiry Date: - Issue No: 102 Version Start Date: 12/10/2006 Version End Date: -
-	834m W	Status: Historical Licence No: 2/27/11/023 Details: Water Bottling Direct Source: GROUNDWATERS Point: BOREHOLE Data Type: Point Name: BENJAMIN SHAW & SONS LTD Easting: 414500 Northing: 417900	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 14/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 26/03/1999 Version End Date: -
-	834m W	Status: Historical Licence No: 2/27/11/023 Details: Water Bottling Direct Source: GROUNDWATERS Point: BOREHOLE - MILLSTONE GRIT Data Type: Point Name: BENJAMIN SHAW & SONS LTD Easting: 414500 Northing: 417900	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 14/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 26/03/1999 Version End Date: -
-	845m S	Status: Historical Licence No: 2/27/11/060 Details: Process Water Direct Source: GROUNDWATERS Point: BOREHOLE 3 - MILLSTONE GRIT Data Type: Point Name: SYNGENTA LTD Easting: 415200 Northing: 417290	Annual Volume (m ³): 881941 Max Daily Volume (m ³): 6000.84 Original Application No: - Original Start Date: 27/01/1966 Expiry Date: - Issue No: 102 Version Start Date: 12/10/2006 Version End Date: -
-	845m S	Status: Historical Licence No: 2/27/11/060 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: GROUNDWATERS Point: BOREHOLE 3 - MILLSTONE GRIT Data Type: Point Name: SYNGENTA LTD Easting: 415200 Northing: 417290	Annual Volume (m ³): 881941 Max Daily Volume (m ³): 6000.84 Original Application No: - Original Start Date: 27/01/1966 Expiry Date: - Issue No: 102 Version Start Date: 12/10/2006 Version End Date: -



ID	Location	Details	
-	1001m E	Status: Historical Licence No: 2/27/11/060 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: GROUNDWATERS Point: BOREHOLE 2 - MILLSTONE GRIT - HUDDERSFIELD Data Type: Point Name: SYNGENTA LTD Easting: 416370 Northing: 418200	Annual Volume (m ³): 881941 Max Daily Volume (m ³): 1091.06 Original Application No: - Original Start Date: 27/01/1966 Expiry Date: - Issue No: 103 Version Start Date: 23/06/2017 Version End Date: -
-	1001m E	Status: Historical Licence No: 2/27/11/060 Details: Process Water Direct Source: GROUNDWATERS Point: BOREHOLE 2 - MILLSTONE GRIT - HUDDERSFIELD Data Type: Point Name: SYNGENTA LTD Easting: 416370 Northing: 418200	Annual Volume (m ³): 881941 Max Daily Volume (m ³): 1091.06 Original Application No: - Original Start Date: 27/01/1966 Expiry Date: - Issue No: 103 Version Start Date: 23/06/2017 Version End Date: -
-	1075m W	Status: Historical Licence No: 2/27/11/023 Details: Water Bottling Direct Source: GROUNDWATERS Point: BOREHOLE-MILLSTONE GRIT-HUDDERSFIELD Data Type: Point Name: BRITVIC SOFT DRINKS PLC Easting: 414250 Northing: 417900	Annual Volume (m ³): 90920 Max Daily Volume (m ³): 636.4 Original Application No: - Original Start Date: 14/12/1965 Expiry Date: - Issue No: 102 Version Start Date: 01/01/2009 Version End Date: -
-	1121m W	Status: Historical Licence No: 2/27/11/023 Details: Water Bottling Direct Source: GROUNDWATERS Point: BOREHOLE Data Type: Point Name: BENJAMIN SHAW & SONS LTD Easting: 414210 Northing: 417870	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 14/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 26/03/1999 Version End Date: -
-	1121m W	Status: Historical Licence No: 2/27/11/023 Details: Water Bottling Direct Source: GROUNDWATERS Point: BOREHOLE - MILLSTONE GRIT Data Type: Point Name: BRITVIC SOFT DRINKS LTD Easting: 414210 Northing: 417870	Annual Volume (m ³): 360000 Max Daily Volume (m ³): 1200 Original Application No: - Original Start Date: 14/12/1965 Expiry Date: - Issue No: 101 Version Start Date: 01/11/2004 Version End Date: -



ID	Location	Details	
-	1121m W	Status: Historical Licence No: 2/27/11/023 Details: Water Bottling Direct Source: GROUNDWATERS Point: BOREHOLE-MILLSTONE GRIT- HUDDERSFIELD Data Type: Point Name: BRITVIC SOFT DRINKS PLC Easting: 414210 Northing: 417870	Annual Volume (m ³): 90920 Max Daily Volume (m ³): 636.4 Original Application No: - Original Start Date: 14/12/1965 Expiry Date: - Issue No: 102 Version Start Date: 01/01/2009 Version End Date: -
-	1216m W	Status: Historical Licence No: 2/27/11/023 Details: Water Bottling Direct Source: GROUNDWATERS Point: BOREHOLE-MILLSTONE GRIT-HUDDERSFIELD Data Type: Point Name: BRITVIC SOFT DRINKS PLC Easting: 414140 Northing: 417770	Annual Volume (m ³): 90920 Max Daily Volume (m ³): 636.4 Original Application No: - Original Start Date: 14/12/1965 Expiry Date: - Issue No: 102 Version Start Date: 01/01/2009 Version End Date: -
-	1315m SW	Status: Historical Licence No: 2/27/11/193 Details: Non-Evaporative Cooling Direct Source: GROUNDWATERS Point: BOREHOLE - COAL MEASURES - HUDDERSFIELD Data Type: Point Name: KIRKLEES METROPOLITAN COUNCIL Easting: 414580 Northing: 417040	Annual Volume (m ³): 2400 Max Daily Volume (m ³): 85 Original Application No: - Original Start Date: 18/05/2007 Expiry Date: 31/03/2015 Issue No: 2 Version Start Date: 01/04/2008 Version End Date: -
-	1316m SW	Status: Active Licence No: 2/27/11/193/R01 Details: Heat Pump Direct Source: GROUNDWATERS Point: BOREHOLE - COAL MEASURES - HUDDERSFIELD Data Type: Point Name: Kirklees Council Easting: 414584 Northing: 417037	Annual Volume (m ³): 32000 Max Daily Volume (m ³): 357 Original Application No: NPS/WR/025885 Original Start Date: 17/04/2015 Expiry Date: 31/03/2027 Issue No: 2 Version Start Date: 02/10/2017 Version End Date: -
-	1320m E	Status: Historical Licence No: 2/27/11/060 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: GROUNDWATERS Point: BOREHOLE 1 - MILLSTONE GRIT - HUDDERSFIELD Data Type: Point Name: SYNGENTA LTD Easting: 416690 Northing: 418150	Annual Volume (m ³): 881941 Max Daily Volume (m ³): 1091.06 Original Application No: - Original Start Date: 27/01/1966 Expiry Date: - Issue No: 103 Version Start Date: 23/06/2017 Version End Date: -



ID	Location	Details	
-	1320m E	Status: Historical Licence No: 2/27/11/060 Details: Process Water Direct Source: GROUNDWATERS Point: BOREHOLE 1 - MILLSTONE GRIT - HUDDERSFIELD Data Type: Point Name: SYNGENTA LTD Easting: 416690 Northing: 418150	Annual Volume (m ³): 881941 Max Daily Volume (m ³): 1091.06 Original Application No: - Original Start Date: 27/01/1966 Expiry Date: - Issue No: 103 Version Start Date: 23/06/2017 Version End Date: -
-	1490m E	Status: Active Licence No: NE/027/0011/036 Details: Pollution Remediation Direct Source: GROUNDWATERS Point: BOREHOLE R5-BH-201 Data Type: Point Name: SYNGENTA LTD Easting: 416789 Northing: 418620	Annual Volume (m ³): 63875 Max Daily Volume (m ³): 193 Original Application No: NPS/WR/038980 Original Start Date: 23/10/2023 Expiry Date: 31/03/2039 Issue No: 1 Version Start Date: 23/10/2023 Version End Date: -
-	1517m E	Status: Active Licence No: NE/027/0011/036 Details: Pollution Remediation Direct Source: GROUNDWATERS Point: BOREHOLE R5-BH-202 Data Type: Point Name: SYNGENTA LTD Easting: 416815 Northing: 418627	Annual Volume (m ³): 63875 Max Daily Volume (m ³): 193 Original Application No: NPS/WR/038980 Original Start Date: 23/10/2023 Expiry Date: 31/03/2039 Issue No: 1 Version Start Date: 23/10/2023 Version End Date: -
-	1539m E	Status: Active Licence No: NE/027/0011/036 Details: Pollution Remediation Direct Source: GROUNDWATERS Point: BOREHOLE R5-BH-203 Data Type: Point Name: SYNGENTA LTD Easting: 416833 Northing: 418643	Annual Volume (m ³): 63875 Max Daily Volume (m ³): 193 Original Application No: NPS/WR/038980 Original Start Date: 23/10/2023 Expiry Date: 31/03/2039 Issue No: 1 Version Start Date: 23/10/2023 Version End Date: -
-	1551m E	Status: Active Licence No: NE/027/0011/036 Details: Pollution Remediation Direct Source: GROUNDWATERS Point: BOREHOLE R5-BH-103 Data Type: Point Name: SYNGENTA LTD Easting: 416845 Northing: 418645	Annual Volume (m ³): 63875 Max Daily Volume (m ³): 193 Original Application No: NPS/WR/038980 Original Start Date: 23/10/2023 Expiry Date: 31/03/2039 Issue No: 1 Version Start Date: 23/10/2023 Version End Date: -



ID	Location	Details	
-	1566m E	Status: Active Licence No: NE/027/0011/036 Details: Pollution Remediation Direct Source: GROUNDWATERS Point: BOREHOLE R5-BH-204 Data Type: Point Name: SYNGENTA LTD Easting: 416859 Northing: 418649	Annual Volume (m ³): 63875 Max Daily Volume (m ³): 193 Original Application No: NPS/WR/038980 Original Start Date: 23/10/2023 Expiry Date: 31/03/2039 Issue No: 1 Version Start Date: 23/10/2023 Version End Date: -
-	1573m E	Status: Active Licence No: NE/027/0011/020 Details: Pollution Remediation Direct Source: GROUNDWATERS Point: BOREHOLE - ALLUVIUM - CW01 AT SYNGENTA Data Type: Point Name: AstraZeneca UK Ltd Easting: 416888 Northing: 418578	Annual Volume (m ³): 30660 Max Daily Volume (m ³): 84 Original Application No: NPS/WR/028379 Original Start Date: 17/12/2019 Expiry Date: 31/03/2027 Issue No: 1 Version Start Date: 17/12/2019 Version End Date: -
-	1578m E	Status: Active Licence No: NE/027/0011/020 Details: Pollution Remediation Direct Source: GROUNDWATERS Point: BOREHOLE - ALLUVIUM - CW02 AT SYNGENTA Data Type: Point Name: AstraZeneca UK Ltd Easting: 416893 Northing: 418579	Annual Volume (m ³): 30660 Max Daily Volume (m ³): 84 Original Application No: NPS/WR/028379 Original Start Date: 17/12/2019 Expiry Date: 31/03/2027 Issue No: 1 Version Start Date: 17/12/2019 Version End Date: -
-	1580m E	Status: Active Licence No: NE/027/0011/036 Details: Pollution Remediation Direct Source: GROUNDWATERS Point: BOREHOLE R5-BH-205 Data Type: Point Name: SYNGENTA LTD Easting: 416868 Northing: 418667	Annual Volume (m ³): 63875 Max Daily Volume (m ³): 193 Original Application No: NPS/WR/038980 Original Start Date: 23/10/2023 Expiry Date: 31/03/2039 Issue No: 1 Version Start Date: 23/10/2023 Version End Date: -
-	1584m E	Status: Active Licence No: NE/027/0011/020 Details: Pollution Remediation Direct Source: GROUNDWATERS Point: BOREHOLE - ALLUVIUM - CW03 AT SYNGENTA Data Type: Point Name: AstraZeneca UK Ltd Easting: 416898 Northing: 418580	Annual Volume (m ³): 30660 Max Daily Volume (m ³): 84 Original Application No: NPS/WR/028379 Original Start Date: 17/12/2019 Expiry Date: 31/03/2027 Issue No: 1 Version Start Date: 17/12/2019 Version End Date: -



ID	Location	Details	
-	1589m E	Status: Active Licence No: NE/027/0011/020 Details: Pollution Remediation Direct Source: GROUNDWATERS Point: BOREHOLE - ALLUVIUM - CW04 AT SYNGENTA Data Type: Point Name: AstraZeneca UK Ltd Easting: 416903 Northing: 418581	Annual Volume (m ³): 30660 Max Daily Volume (m ³): 84 Original Application No: NPS/WR/028379 Original Start Date: 17/12/2019 Expiry Date: 31/03/2027 Issue No: 1 Version Start Date: 17/12/2019 Version End Date: -
-	1591m E	Status: Active Licence No: NE/027/0011/020 Details: Pollution Remediation Direct Source: GROUNDWATERS Point: BOREHOLE - ALLUVIUM - PW-1 AT SYNGENTA Data Type: Point Name: AstraZeneca UK Ltd Easting: 416896 Northing: 418613	Annual Volume (m ³): 30660 Max Daily Volume (m ³): 84 Original Application No: NPS/WR/028379 Original Start Date: 17/12/2019 Expiry Date: 31/03/2027 Issue No: 1 Version Start Date: 17/12/2019 Version End Date: -
-	1594m E	Status: Active Licence No: NE/027/0011/020 Details: Pollution Remediation Direct Source: GROUNDWATERS Point: BOREHOLE - ALLUVIUM - CW05 AT SYNGENTA Data Type: Point Name: AstraZeneca UK Ltd Easting: 416908 Northing: 418582	Annual Volume (m ³): 30660 Max Daily Volume (m ³): 84 Original Application No: NPS/WR/028379 Original Start Date: 17/12/2019 Expiry Date: 31/03/2027 Issue No: 1 Version Start Date: 17/12/2019 Version End Date: -
-	1599m E	Status: Active Licence No: NE/027/0011/036 Details: Pollution Remediation Direct Source: GROUNDWATERS Point: BOREHOLE R6-BH-401 Data Type: Point Name: SYNGENTA LTD Easting: 416881 Northing: 418686	Annual Volume (m ³): 63875 Max Daily Volume (m ³): 193 Original Application No: NPS/WR/038980 Original Start Date: 23/10/2023 Expiry Date: 31/03/2039 Issue No: 1 Version Start Date: 23/10/2023 Version End Date: -
-	1599m E	Status: Active Licence No: NE/027/0011/020 Details: Pollution Remediation Direct Source: GROUNDWATERS Point: BOREHOLE - ALLUVIUM - CW06 AT SYNGENTA Data Type: Point Name: AstraZeneca UK Ltd Easting: 416913 Northing: 418583	Annual Volume (m ³): 30660 Max Daily Volume (m ³): 84 Original Application No: NPS/WR/028379 Original Start Date: 17/12/2019 Expiry Date: 31/03/2027 Issue No: 1 Version Start Date: 17/12/2019 Version End Date: -



ID	Location	Details	
-	1604m E	Status: Active Licence No: NE/027/0011/020 Details: Pollution Remediation Direct Source: GROUNDWATERS Point: BOREHOLE - ALLUVIUM - CW07 AT SYNGENTA Data Type: Point Name: AstraZeneca UK Ltd Easting: 416918 Northing: 418584	Annual Volume (m ³): 30660 Max Daily Volume (m ³): 84 Original Application No: NPS/WR/028379 Original Start Date: 17/12/2019 Expiry Date: 31/03/2027 Issue No: 1 Version Start Date: 17/12/2019 Version End Date: -
-	1609m E	Status: Active Licence No: NE/027/0011/020 Details: Pollution Remediation Direct Source: GROUNDWATERS Point: BOREHOLE - ALLUVIUM - CW08 AT SYNGENTA Data Type: Point Name: AstraZeneca UK Ltd Easting: 416923 Northing: 418585	Annual Volume (m ³): 30660 Max Daily Volume (m ³): 84 Original Application No: NPS/WR/028379 Original Start Date: 17/12/2019 Expiry Date: 31/03/2027 Issue No: 1 Version Start Date: 17/12/2019 Version End Date: -
-	1614m E	Status: Active Licence No: NE/027/0011/020 Details: Pollution Remediation Direct Source: GROUNDWATERS Point: BOREHOLE - ALLUVIUM - CW09 AT SYNGENTA Data Type: Point Name: AstraZeneca UK Ltd Easting: 416928 Northing: 418586	Annual Volume (m ³): 30660 Max Daily Volume (m ³): 84 Original Application No: NPS/WR/028379 Original Start Date: 17/12/2019 Expiry Date: 31/03/2027 Issue No: 1 Version Start Date: 17/12/2019 Version End Date: -
-	1616m E	Status: Active Licence No: NE/027/0011/036 Details: Pollution Remediation Direct Source: GROUNDWATERS Point: BOREHOLE R6-BH-402 Data Type: Point Name: SYNGENTA LTD Easting: 416896 Northing: 418695	Annual Volume (m ³): 63875 Max Daily Volume (m ³): 193 Original Application No: NPS/WR/038980 Original Start Date: 23/10/2023 Expiry Date: 31/03/2039 Issue No: 1 Version Start Date: 23/10/2023 Version End Date: -
-	1619m E	Status: Active Licence No: NE/027/0011/020 Details: Pollution Remediation Direct Source: GROUNDWATERS Point: BOREHOLE - ALLUVIUM - CW10 AT SYNGENTA Data Type: Point Name: AstraZeneca UK Ltd Easting: 416933 Northing: 418587	Annual Volume (m ³): 30660 Max Daily Volume (m ³): 84 Original Application No: NPS/WR/028379 Original Start Date: 17/12/2019 Expiry Date: 31/03/2027 Issue No: 1 Version Start Date: 17/12/2019 Version End Date: -



ID	Location	Details	
-	1643m E	Status: Active Licence No: NE/027/0011/036 Details: Pollution Remediation Direct Source: GROUNDWATERS Point: BOREHOLE MW5 Data Type: Point Name: SYNGENTA LTD Easting: 416915 Northing: 418724	Annual Volume (m ³): 63875 Max Daily Volume (m ³): 193 Original Application No: NPS/WR/038980 Original Start Date: 23/10/2023 Expiry Date: 31/03/2039 Issue No: 1 Version Start Date: 23/10/2023 Version End Date: -
-	1649m E	Status: Active Licence No: NE/027/0011/036 Details: Pollution Remediation Direct Source: GROUNDWATERS Point: BOREHOLE R6-BH-304 Data Type: Point Name: SYNGENTA LTD Easting: 416902 Northing: 418775	Annual Volume (m ³): 63875 Max Daily Volume (m ³): 193 Original Application No: NPS/WR/038980 Original Start Date: 23/10/2023 Expiry Date: 31/03/2039 Issue No: 1 Version Start Date: 23/10/2023 Version End Date: -
-	1650m NE	Status: Active Licence No: NE/027/0011/036 Details: Pollution Remediation Direct Source: GROUNDWATERS Point: BOREHOLE R6-BH-404 Data Type: Point Name: SYNGENTA LTD Easting: 416889 Northing: 418808	Annual Volume (m ³): 63875 Max Daily Volume (m ³): 193 Original Application No: NPS/WR/038980 Original Start Date: 23/10/2023 Expiry Date: 31/03/2039 Issue No: 1 Version Start Date: 23/10/2023 Version End Date: -
-	1655m E	Status: Active Licence No: NE/027/0011/036 Details: Pollution Remediation Direct Source: GROUNDWATERS Point: BOREHOLE R6-BH-301 Data Type: Point Name: SYNGENTA LTD Easting: 416917 Northing: 418753	Annual Volume (m ³): 63875 Max Daily Volume (m ³): 193 Original Application No: NPS/WR/038980 Original Start Date: 23/10/2023 Expiry Date: 31/03/2039 Issue No: 1 Version Start Date: 23/10/2023 Version End Date: -
-	1659m NE	Status: Active Licence No: NE/027/0011/036 Details: Pollution Remediation Direct Source: GROUNDWATERS Point: BOREHOLE R6-BH-403 Data Type: Point Name: SYNGENTA LTD Easting: 416902 Northing: 418800	Annual Volume (m ³): 63875 Max Daily Volume (m ³): 193 Original Application No: NPS/WR/038980 Original Start Date: 23/10/2023 Expiry Date: 31/03/2039 Issue No: 1 Version Start Date: 23/10/2023 Version End Date: -



ID	Location	Details	
-	1952m S	Status: Active Licence No: 2/27/11/018 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE - COAL MEASURES - MOLDGREEN Data Type: Point Name: W T JOHNSON & SONS (HUDDERSFIELD) LTD Easting: 415700 Northing: 416200	Annual Volume (m ³): 105854 Max Daily Volume (m ³): 390.96 Original Application No: 1567(1) Original Start Date: 14/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 14/12/1965 Version End Date: -
-	1952m S	Status: Active Licence No: 2/27/11/031 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE - COAL MEASURES - MOLDGREEN Data Type: Point Name: W T JOHNSON & SONS (HUDDERSFIELD) LTD Easting: 415700 Northing: 416200	Annual Volume (m ³): 36754 Max Daily Volume (m ³): 136.38 Original Application No: 1567(2) Original Start Date: 14/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 14/12/1965 Version End Date: -
-	1952m S	Status: Historical Licence No: 2/27/11/031 Details: General use relating to Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE Data Type: Point Name: W T JOHNSON & SONS (HUDDERSFIELD) LTD Easting: 415700 Northing: 416200	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 14/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 14/12/1965 Version End Date: -
-	1952m S	Status: Historical Licence No: 2/27/11/018 Details: General use relating to Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE Data Type: Point Name: W T JOHNSON & SONS (HUDDERSFIELD) LTD Easting: 415700 Northing: 416200	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 14/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 14/12/1965 Version End Date: -

ID	Location	Details	
-	1952m S	Status: Historical Licence No: 2/27/11/031 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE - MILLSTONE GRIT - MOLDGREEN Data Type: Point Name: W T JOHNSON & SONS (HUDDERSFIELD) LTD Easting: 415700 Northing: 416200	Annual Volume (m ³): 36754 Max Daily Volume (m ³): 136.38 Original Application No: - Original Start Date: 14/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 14/12/1965 Version End Date: -
-	1952m S	Status: Historical Licence No: 2/27/11/018 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE - MILLSTONE GRIT - MOLDGREEN Data Type: Point Name: W T JOHNSON & SONS (HUDDERSFIELD) LTD Easting: 415700 Northing: 416200	Annual Volume (m ³): 105854 Max Daily Volume (m ³): 390.956 Original Application No: - Original Start Date: 14/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 14/12/1965 Version End Date: -

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

5.7 Surface water abstractions

Records within 2000m

23

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 70 >](#)

ID	Location	Details	
A	330m SW	Status: Active Licence No: 2/27/11/131 Details: Process Water Direct Source: SURFACE WATER Point: HUDDERSFIELD CANAL Data Type: Point Name: Canal and River Trust Easting: 415000 Northing: 418000	Annual Volume (m ³): 400000 Max Daily Volume (m ³): 1800 Original Application No: 2266 Original Start Date: 26/05/1966 Expiry Date: - Issue No: 101 Version Start Date: 21/01/2008 Version End Date: -



ID	Location	Details	
A	330m SW	Status: Active Licence No: 2/27/11/131 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: SURFACE WATER Point: HUDDERSFIELD CANAL Data Type: Point Name: Canal and River Trust Easting: 415000 Northing: 418000	Annual Volume (m ³): 400000 Max Daily Volume (m ³): 1800 Original Application No: 2266 Original Start Date: 26/05/1966 Expiry Date: - Issue No: 101 Version Start Date: 21/01/2008 Version End Date: -
A	330m SW	Status: Historical Licence No: 2/27/11/131 Details: General use relating to Secondary Category (Medium Loss) Direct Source: SURFACE WATER Point: HUDDERSFIELD CANAL Data Type: Point Name: BRITISH WATERWAYS Easting: 415000 Northing: 418000	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 26/05/1966 Expiry Date: - Issue No: 100 Version Start Date: 17/02/1993 Version End Date: -
A	330m SW	Status: Historical Licence No: 2/27/11/131 Details: General use relating to Secondary Category (Very Low Loss) Direct Source: SURFACE WATER Point: HUDDERSFIELD CANAL Data Type: Point Name: BRITISH WATERWAYS Easting: 415000 Northing: 418000	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 26/05/1966 Expiry Date: - Issue No: 100 Version Start Date: 17/02/1993 Version End Date: -
B	604m SW	Status: Active Licence No: 2/27/11/158 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: SURFACE WATER Point: HUDDERSFIELD BROAD CANAL - HUDERSFIELD INCINERATOR Data Type: Point Name: Canal and River Trust Easting: 414830 Northing: 417760	Annual Volume (m ³): 273000 Max Daily Volume (m ³): 1090 Original Application No: 5182 Original Start Date: 27/10/1972 Expiry Date: - Issue No: 103 Version Start Date: 21/01/2008 Version End Date: -



ID	Location	Details	
B	604m SW	Status: Historical Licence No: 2/27/11/158 Details: General use relating to Secondary Category (Medium Loss) Direct Source: SURFACE WATER Point: HUDDERSFIELD BROAD CANAL Data Type: Point Name: BRITISH WATERWAYS BOARD Easting: 414830 Northing: 417760	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 27/10/1972 Expiry Date: - Issue No: 102 Version Start Date: 26/10/1999 Version End Date: -
2	736m SW	Status: Historical Licence No: 2/27/11/182 Details: General use relating to Secondary Category (Medium Loss) Direct Source: SURFACE WATER Point: HUDDERSFIELD BROAD CANAL Data Type: Point Name: BRITISH WATERWAYS Easting: 414800 Northing: 417600	Annual Volume (m ³): 170000 Max Daily Volume (m ³): 750 Original Application No: - Original Start Date: 10/07/1998 Expiry Date: 31/12/2006 Issue No: 100 Version Start Date: 10/07/1998 Version End Date: -
-	972m E	Status: Active Licence No: 2/27/11/059 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: SURFACE WATER Point: RIVER COLNE AND TRIBUTARIES - POINT 5 - DALTON WORKS Data Type: Point Name: SYNGENTA LTD Easting: 416330 Northing: 418320	Annual Volume (m ³): 24600000 Max Daily Volume (m ³): 67200 Original Application No: 665 Original Start Date: 27/01/1966 Expiry Date: - Issue No: 102 Version Start Date: 25/07/2002 Version End Date: -
-	972m E	Status: Active Licence No: 2/27/11/059 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: SURFACE WATER Point: RIVER COLNE AND TRIBUTARIES - POINT 5 - DALTON WORKS Data Type: Point Name: SYNGENTA LTD Easting: 416330 Northing: 418320	Annual Volume (m ³): 24600000 Max Daily Volume (m ³): 67200 Original Application No: 665 Original Start Date: 27/01/1966 Expiry Date: - Issue No: 102 Version Start Date: 25/07/2002 Version End Date: -

ID	Location	Details	
-	972m E	Status: Historical Licence No: 2/27/11/059 Details: General use relating to Secondary Category (Medium Loss) Direct Source: SURFACE WATER Point: RIVER COLNE Data Type: Poly3 Name: ZENECA FINE CHEMICAL MANUFACTURING ORGANISATION Easting: 416660 Northing: 418270	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 27/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 12/04/1985 Version End Date: -
-	1294m E	Status: Active Licence No: 2/27/11/059 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: SURFACE WATER Point: RIVER COLNE AND TRIBUTARIES POINT 3 - DALTON WORKS Data Type: Point Name: SYNGENTA LTD Easting: 416660 Northing: 418270	Annual Volume (m ³): 24600000 Max Daily Volume (m ³): 67200 Original Application No: 665 Original Start Date: 27/01/1966 Expiry Date: - Issue No: 102 Version Start Date: 25/07/2002 Version End Date: -
-	1294m E	Status: Active Licence No: 2/27/11/059 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: SURFACE WATER Point: RIVER COLNE AND TRIBUTARIES POINT 3 - DALTON WORKS Data Type: Point Name: SYNGENTA LTD Easting: 416660 Northing: 418270	Annual Volume (m ³): 24600000 Max Daily Volume (m ³): 67200 Original Application No: 665 Original Start Date: 27/01/1966 Expiry Date: - Issue No: 102 Version Start Date: 25/07/2002 Version End Date: -
-	1294m E	Status: Historical Licence No: 2/27/11/059 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: SURFACE WATER Point: RIVER COLNE - DALTON WORKS HUDDERSFIELD Data Type: Line Name: ZENECA FINE CHEMICAL MANUFACTURING ORGANISATION Easting: 416660 Northing: 418270	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 27/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 12/04/1985 Version End Date: -



ID	Location	Details	
-	1320m E	Status: Active Licence No: 2/27/11/059 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: SURFACE WATER Point: RIVER COLNE & TRIBUTARIES - POINT 1 - DALTON WORKS Data Type: Point Name: SYNGENTA LTD Easting: 416690 Northing: 418180	Annual Volume (m ³): 24600000 Max Daily Volume (m ³): 67200 Original Application No: 665 Original Start Date: 27/01/1966 Expiry Date: - Issue No: 102 Version Start Date: 25/07/2002 Version End Date: -
-	1320m E	Status: Active Licence No: 2/27/11/059 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: SURFACE WATER Point: RIVER COLNE & TRIBUTARIES - POINT 1 - DALTON WORKS Data Type: Point Name: SYNGENTA LTD Easting: 416690 Northing: 418180	Annual Volume (m ³): 24600000 Max Daily Volume (m ³): 67200 Original Application No: 665 Original Start Date: 27/01/1966 Expiry Date: - Issue No: 102 Version Start Date: 25/07/2002 Version End Date: -
-	1336m E	Status: Active Licence No: 2/27/11/059 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: SURFACE WATER Point: RIVER COLNE & TRIBUTARIES - POINT 2 - DALTON WORKS Data Type: Point Name: SYNGENTA LTD Easting: 416690 Northing: 418370	Annual Volume (m ³): 24600000 Max Daily Volume (m ³): 67200 Original Application No: 665 Original Start Date: 27/01/1966 Expiry Date: - Issue No: 102 Version Start Date: 25/07/2002 Version End Date: -
-	1336m E	Status: Active Licence No: 2/27/11/059 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: SURFACE WATER Point: RIVER COLNE & TRIBUTARIES - POINT 2 - DALTON WORKS Data Type: Point Name: SYNGENTA LTD Easting: 416690 Northing: 418370	Annual Volume (m ³): 24600000 Max Daily Volume (m ³): 67200 Original Application No: 665 Original Start Date: 27/01/1966 Expiry Date: - Issue No: 102 Version Start Date: 25/07/2002 Version End Date: -

ID	Location	Details	
-	1631m NE	Status: Active Licence No: 2/27/11/059 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: SURFACE WATER Point: RIVER COLNE & TRIBUTARIES - POINT 4 - DALTON WORKS Data Type: Point Name: SYNGENTA LTD Easting: 416830 Northing: 418890	Annual Volume (m ³): 24600000 Max Daily Volume (m ³): 67200 Original Application No: 665 Original Start Date: 27/01/1966 Expiry Date: - Issue No: 102 Version Start Date: 25/07/2002 Version End Date: -
-	1631m NE	Status: Active Licence No: 2/27/11/059 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: SURFACE WATER Point: RIVER COLNE & TRIBUTARIES - POINT 4 - DALTON WORKS Data Type: Point Name: SYNGENTA LTD Easting: 416830 Northing: 418890	Annual Volume (m ³): 24600000 Max Daily Volume (m ³): 67200 Original Application No: 665 Original Start Date: 27/01/1966 Expiry Date: - Issue No: 102 Version Start Date: 25/07/2002 Version End Date: -
-	1808m S	Status: Historical Licence No: 2/27/11/160 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: SURFACE WATER Point: HUDDERSFIELD CANAL Data Type: Point Name: BRITISH WATERWAYS BOARD Easting: 414800 Northing: 416400	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 01/03/1974 Expiry Date: - Issue No: 100 Version Start Date: 17/11/1993 Version End Date: -
-	1827m S	Status: Historical Licence No: 2/27/11/160 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: SURFACE WATER Point: HUDDERSFIELD CANAL Data Type: Point Name: Canal and River Trust Easting: 414870 Northing: 416360	Annual Volume (m ³): 700000 Max Daily Volume (m ³): 3600 Original Application No: - Original Start Date: 01/03/1974 Expiry Date: - Issue No: 102 Version Start Date: 21/01/2008 Version End Date: -

ID	Location	Details	
-	1919m S	Status: Historical Licence No: 2/27/11/175 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: SURFACE WATER Point: HUDDERSFIELD NARROW CANAL Data Type: Line Name: Canal and River Trust Easting: 414690 Northing: 416080	Annual Volume (m ³): 1250000 Max Daily Volume (m ³): 3960 Original Application No: - Original Start Date: 22/09/1994 Expiry Date: - Issue No: 103 Version Start Date: 21/01/2008 Version End Date: -
-	1935m S	Status: Active Licence No: NE/027/0011/023 Details: Supply To A Canal For Throughflow Direct Source: SURFACE WATER Point: RIVER COLNE AT ASPLEY, HUDDERSFIELD Data Type: Point Name: Canal and River Trust Easting: 414997 Northing: 416219	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: NPS/NA/000948 Original Start Date: 31/03/2021 Expiry Date: 31/03/2027 Issue No: 1 Version Start Date: 31/03/2021 Version End Date: -

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

5.8 Potable abstractions

Records within 2000m

7

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

Features are displayed on the Abstractions and Source Protection Zones map on [page 70 >](#)

ID	Location	Details	
-	834m W	Status: Historical Licence No: 2/27/11/023 Details: Water Bottling Direct Source: GROUNDWATERS Point: BOREHOLE Data Type: Point Name: BENJAMIN SHAW & SONS LTD Easting: 414500 Northing: 417900	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 14/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 26/03/1999 Version End Date: -



ID	Location	Details	
-	834m W	Status: Historical Licence No: 2/27/11/023 Details: Water Bottling Direct Source: GROUNDWATERS Point: BOREHOLE - MILLSTONE GRIT Data Type: Point Name: BENJAMIN SHAW & SONS LTD Easting: 414500 Northing: 417900	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 14/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 26/03/1999 Version End Date: -
-	1075m W	Status: Historical Licence No: 2/27/11/023 Details: Water Bottling Direct Source: GROUNDWATERS Point: BOREHOLE-MILLSTONE GRIT-HUDDERSFIELD Data Type: Point Name: BRITVIC SOFT DRINKS PLC Easting: 414250 Northing: 417900	Annual Volume (m ³): 90920 Max Daily Volume (m ³): 636.4 Original Application No: - Original Start Date: 14/12/1965 Expiry Date: - Issue No: 102 Version Start Date: 01/01/2009 Version End Date: -
-	1121m W	Status: Historical Licence No: 2/27/11/023 Details: Water Bottling Direct Source: GROUNDWATERS Point: BOREHOLE Data Type: Point Name: BENJAMIN SHAW & SONS LTD Easting: 414210 Northing: 417870	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 14/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 26/03/1999 Version End Date: -
-	1121m W	Status: Historical Licence No: 2/27/11/023 Details: Water Bottling Direct Source: GROUNDWATERS Point: BOREHOLE - MILLSTONE GRIT Data Type: Point Name: BRITVIC SOFT DRINKS LTD Easting: 414210 Northing: 417870	Annual Volume (m ³): 360000 Max Daily Volume (m ³): 1200 Original Application No: - Original Start Date: 14/12/1965 Expiry Date: - Issue No: 101 Version Start Date: 01/11/2004 Version End Date: -
-	1121m W	Status: Historical Licence No: 2/27/11/023 Details: Water Bottling Direct Source: GROUNDWATERS Point: BOREHOLE-MILLSTONE GRIT- HUDDERSFIELD Data Type: Point Name: BRITVIC SOFT DRINKS PLC Easting: 414210 Northing: 417870	Annual Volume (m ³): 90920 Max Daily Volume (m ³): 636.4 Original Application No: - Original Start Date: 14/12/1965 Expiry Date: - Issue No: 102 Version Start Date: 01/01/2009 Version End Date: -



ID	Location	Details	
-	1216m W	Status: Historical Licence No: 2/27/11/023 Details: Water Bottling Direct Source: GROUNDWATERS Point: BOREHOLE-MILLSTONE GRIT-HUDDERSFIELD Data Type: Point Name: BRITVIC SOFT DRINKS PLC Easting: 414140 Northing: 417770	Annual Volume (m ³): 90920 Max Daily Volume (m ³): 636.4 Original Application No: - Original Start Date: 14/12/1965 Expiry Date: - Issue No: 102 Version Start Date: 01/01/2009 Version End Date: -

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

5.9 Source Protection Zones

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

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

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

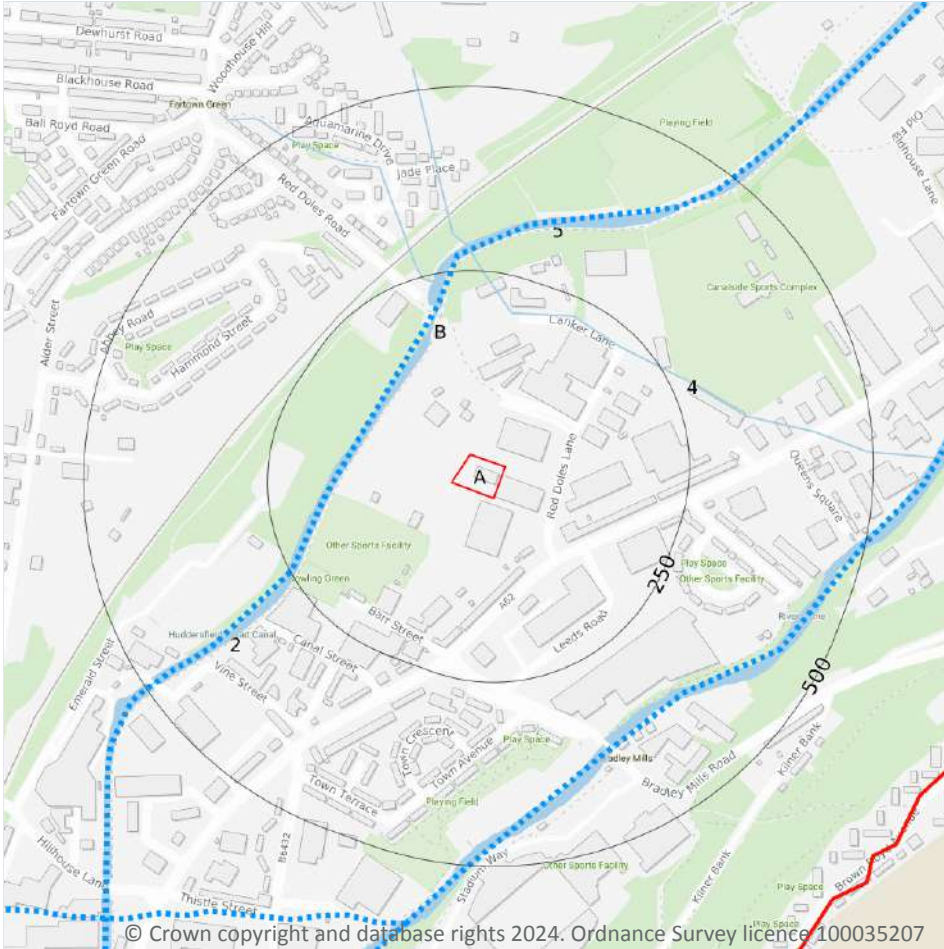
5.10 Source Protection Zones (confined aquifer)

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

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

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

6 Hydrology



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

6.1 Water Network (OS MasterMap)

Records within 250m

8

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

Features are displayed on the Hydrology map on [page 90](#) >

ID	Location	Type of water feature	Ground level	Permanence	Name
2	136m NW	Canal. A manmade watercourse for inland navigation.	On ground surface	Watercourse contains water year round (in normal circumstances)	Huddersfield Broad Canal



ID	Location	Type of water feature	Ground level	Permanence	Name
B	177m N	Lock or flight of locks. An enclosure in a canal or navigable river with gates and sluices at either end.	On ground surface	Watercourse contains water year round (in normal circumstances)	Huddersfield Broad Canal
B	193m N	Canal. A manmade watercourse for inland navigation.	On ground surface	Watercourse contains water year round (in normal circumstances)	Huddersfield Broad Canal
4	200m N	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
5	238m N	Canal. A manmade watercourse for inland navigation.	On ground surface	Watercourse contains water year round (in normal circumstances)	Huddersfield Broad Canal
B	238m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Blackhouse Dike
B	241m N	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	Blackhouse Dike
B	242m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Blackhouse Dike

This data is sourced from the Ordnance Survey.

6.2 Surface water features

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

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

Features are displayed on the Hydrology map on [page 90 >](#)

This data is sourced from the Ordnance Survey.

6.3 WFD Surface water body catchments

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

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



Features are displayed on the Hydrology map on [page 90 >](#)

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
A	On site	River	Colne from River Holme to River Calder	GB104027062550	Colne and Holme	Aire and Calder

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

6.4 WFD Surface water bodies

Records identified	2
---------------------------	----------

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

Features are displayed on the Hydrology map on [page 90 >](#)

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
3	139m W	Canal	Huddersfield Broad Canal	GB70410176 ↗	Moderate	Fail	Good	2019
12	367m SE	River	Colne from River Holme to River Calder	GB104027062550 ↗	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 90 >](#)



ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
A	On site	Aire & Calder Carb Limestone / Millstone Grit / Coal Measures.	GB40402G700400 ↗	Poor	Poor	Good	2019

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



7 River and coastal flooding



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

7.1 Risk of flooding from rivers and the sea

Records within 50m

7

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

Features are displayed on the River and coastal flooding map on [page 94](#) >

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

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

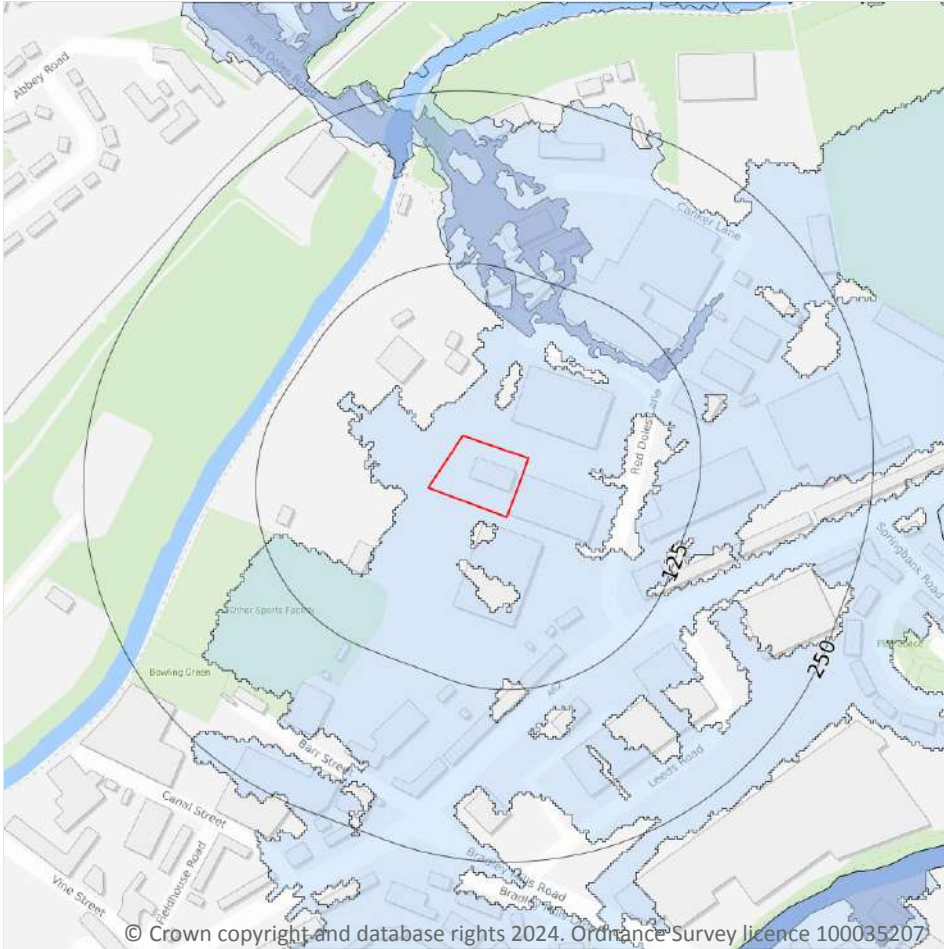
Records within 250m	0
----------------------------	----------

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



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

7.6 Flood Zone 2

Records within 50m

1

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

Features are displayed on the River and coastal flooding map on [page 94 >](#)

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

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

7.7 Flood Zone 3

Records within 50m

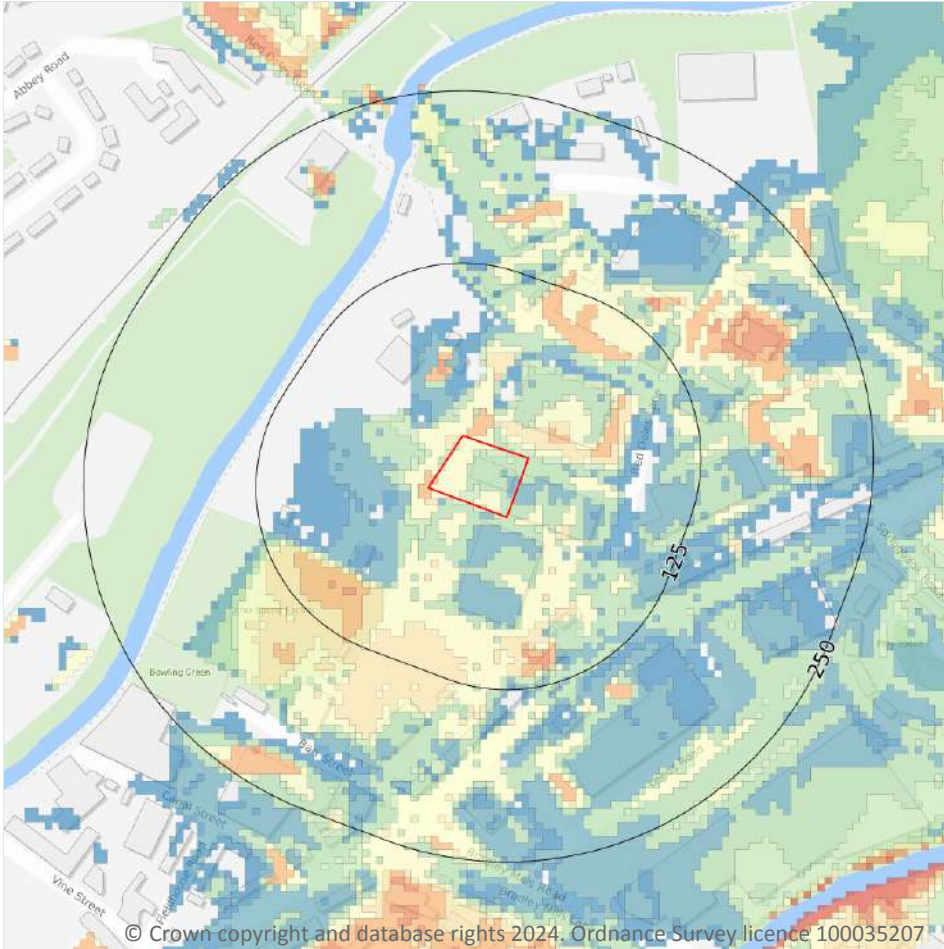
0

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

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



8 Surface water flooding



8.1 Surface water flooding

Highest risk on site

1 in 30 year, 0.1m - 0.3m

Highest risk within 50m

1 in 30 year, 0.3m - 1.0m

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

Features are displayed on the Surface water flooding map on [page 98 >](#)

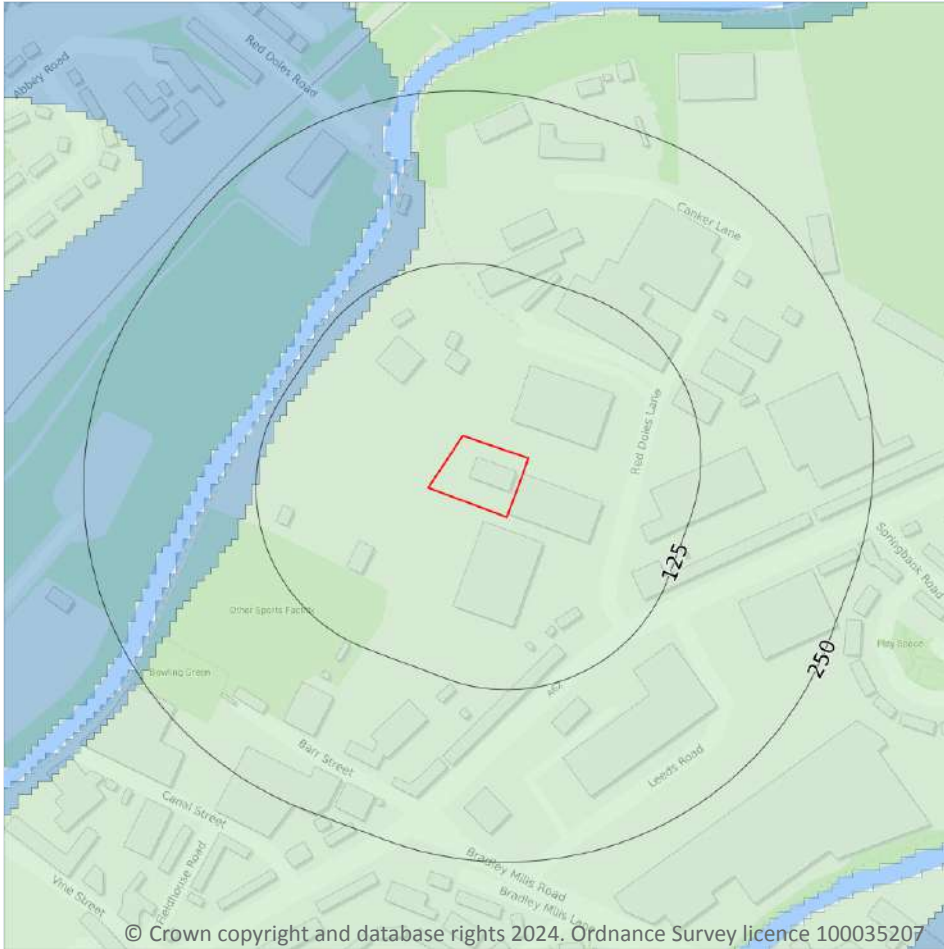
The data shown on the map and in the table above shows the highest likelihood of flood events happening at the site. Lower likelihood events may have greater flood depths and hence a greater potential impact on a site.

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

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

This data is sourced from Ambiental Risk Analytics.

9 Groundwater flooding



9.1 Groundwater flooding

Highest risk on site

Low

Highest risk within 50m

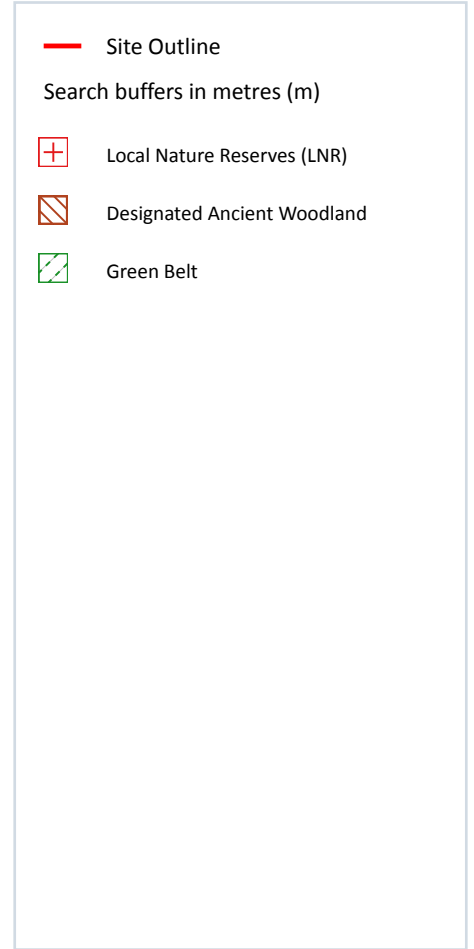
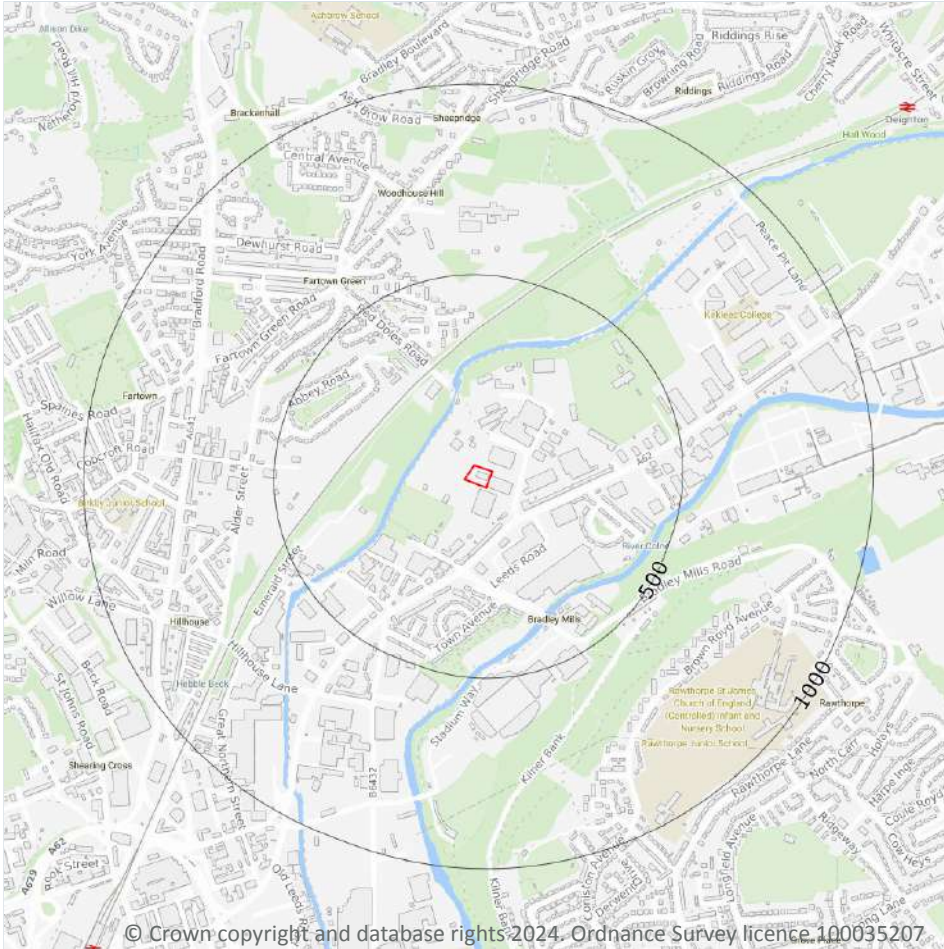
Low

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

Features are displayed on the Groundwater flooding map on [page 100](#) >

This data is sourced from Ambiantal Risk Analytics.

10 Environmental designations



10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m

0

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

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

10.2 Conserved wetland sites (Ramsar sites)

Records within 2000m

0

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

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

10.3 Special Areas of Conservation (SAC)

Records within 2000m

0

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

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

10.4 Special Protection Areas (SPA)

Records within 2000m

0

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

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

10.5 National Nature Reserves (NNR)

Records within 2000m

0

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

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



10.6 Local Nature Reserves (LNR)

Records within 2000m

1

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

Features are displayed on the Environmental designations map on [page 101 >](#)

ID	Location	Name	Data source
-	1712m E	Dalton Bank	Natural England

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

10.7 Designated Ancient Woodland

Records within 2000m

5

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 101 >](#)

ID	Location	Name	Woodland Type
-	1581m N	Lower Fell Greave	Ancient & Semi-Natural Woodland
-	1609m N	Dyson/screamer Woods	Ancient Replanted Woodland
-	1720m N	Upper Fell Greave	Ancient Replanted Woodland
-	1770m N	Upper Fell Greave	Ancient Replanted Woodland
-	1868m NW	Grimescar Wood	Ancient Replanted 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 101 >](#)

ID	Location	Name	Local Authority name
-	1467m W	South and West Yorkshire	Kirklees
-	1661m E	South and West Yorkshire	Kirklees

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

10.12 Proposed Ramsar sites

Records within 2000m

0

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

This data is sourced from Natural England.



10.13 Possible Special Areas of Conservation (pSAC)

Records within 2000m

0

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

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

10.14 Potential Special Protection Areas (pSPA)

Records within 2000m

0

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

This data is sourced from Natural England.

10.15 Nitrate Sensitive Areas

Records within 2000m

0

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

This data is sourced from Natural England.

10.16 Nitrate Vulnerable Zones

Records within 2000m

0

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

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



SSSI Impact Zones and Units

10.17 SSSI Impact Risk Zones

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

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

This data is sourced from Natural England.

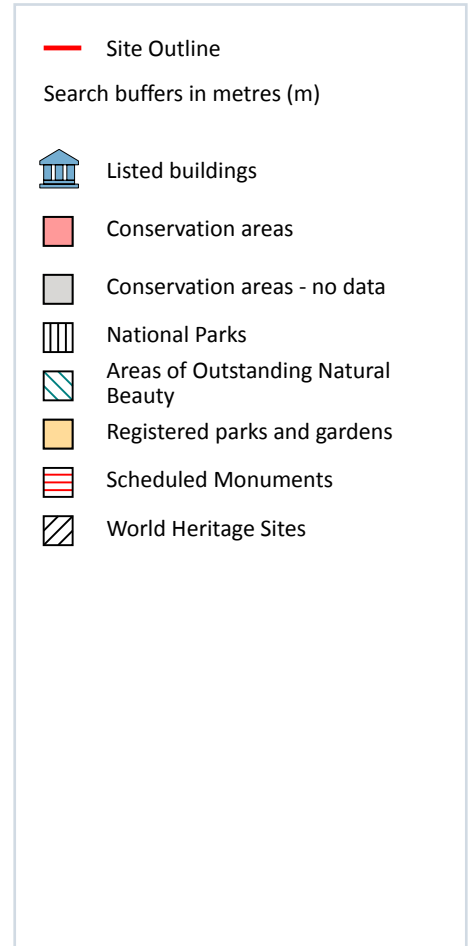
10.18 SSSI Units

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

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

11 Visual and cultural designations



11.1 World Heritage Sites

Records within 250m

0

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

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

11.2 Area of Outstanding Natural Beauty

Records within 250m

0

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

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

11.3 National Parks

Records within 250m

0

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

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

11.4 Listed Buildings

Records within 250m

1

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

Features are displayed on the Visual and cultural designations map on [page 107 >](#)

ID	Location	Name	Grade	Reference Number	Listed date
1	193m N	Calder And Hebble Navigation Red Doles Lock Sir John Ramsdens Canal Red Doles Lock	II	1290603	29/09/1978

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

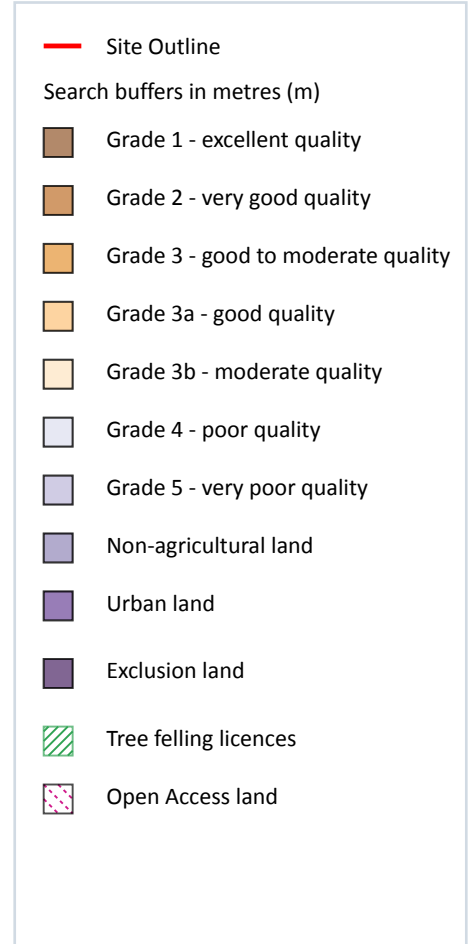
0

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



12.1 Agricultural Land Classification

Records within 250m

2

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

Features are displayed on the Agricultural designations map on [page 110](#) >

ID	Location	Classification	Description
1	On site	Urban	Non-agricultural/no quality assigned
2	215m NE	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

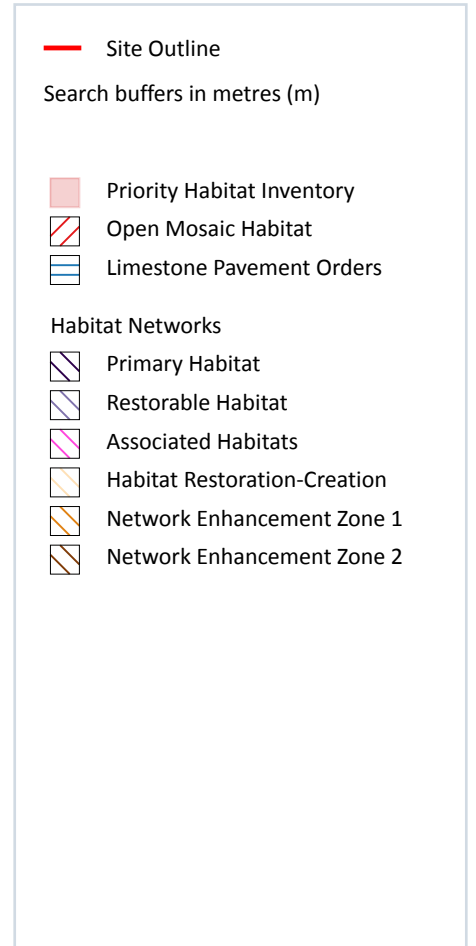
0

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



13.1 Priority Habitat Inventory

Records within 250m

3

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

Features are displayed on the Habitat designations map on [page 112](#) >

ID	Location	Main Habitat	Other habitats
1	88m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
2	233m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
3	239m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)

This data is sourced from Natural England.

13.2 Habitat Networks

Records within 250m

0

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

This data is sourced from Natural England.

13.3 Open Mosaic Habitat

Records within 250m

0

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

This data is sourced from Natural England.

13.4 Limestone Pavement Orders

Records within 250m

0

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

This data is sourced from Natural England.



14 Geology 1:10,000 scale - Availability



— Site Outline
Search buffers in metres (m)

- Full coverage
- Partial coverage
- No coverage

14.1 10k Availability

Records within 500m

2

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.

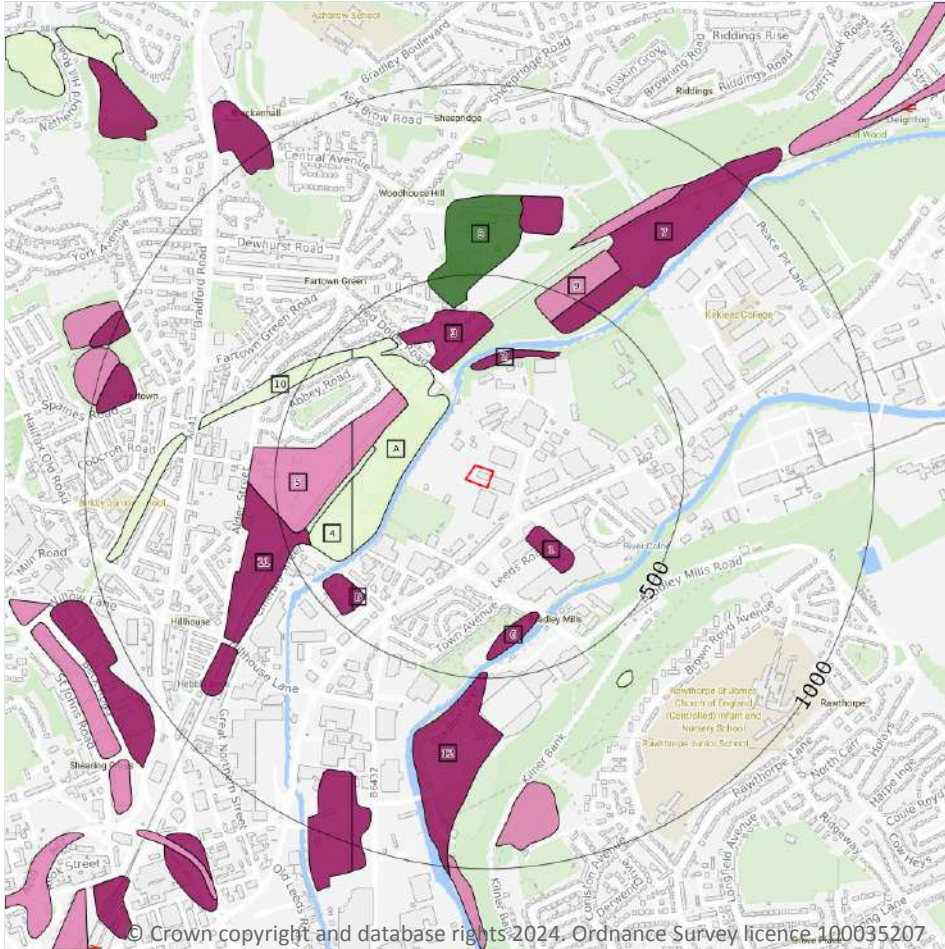
Features are displayed on the Geology 1:10,000 scale - Availability map on [page 114](#) >

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	Full	SE11NE
2	298m W	Full	Full	Full	Full	SE11NW

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

16

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 115 >](#)

ID	Location	LEX Code	Description	Rock description
A	145m NW	WMGR-ARTDP	Infilled Ground	Artificial Deposit
1	161m SE	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
A	237m NW	WGR-VOID	Worked Ground (Undivided)	Void
2	249m N	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit

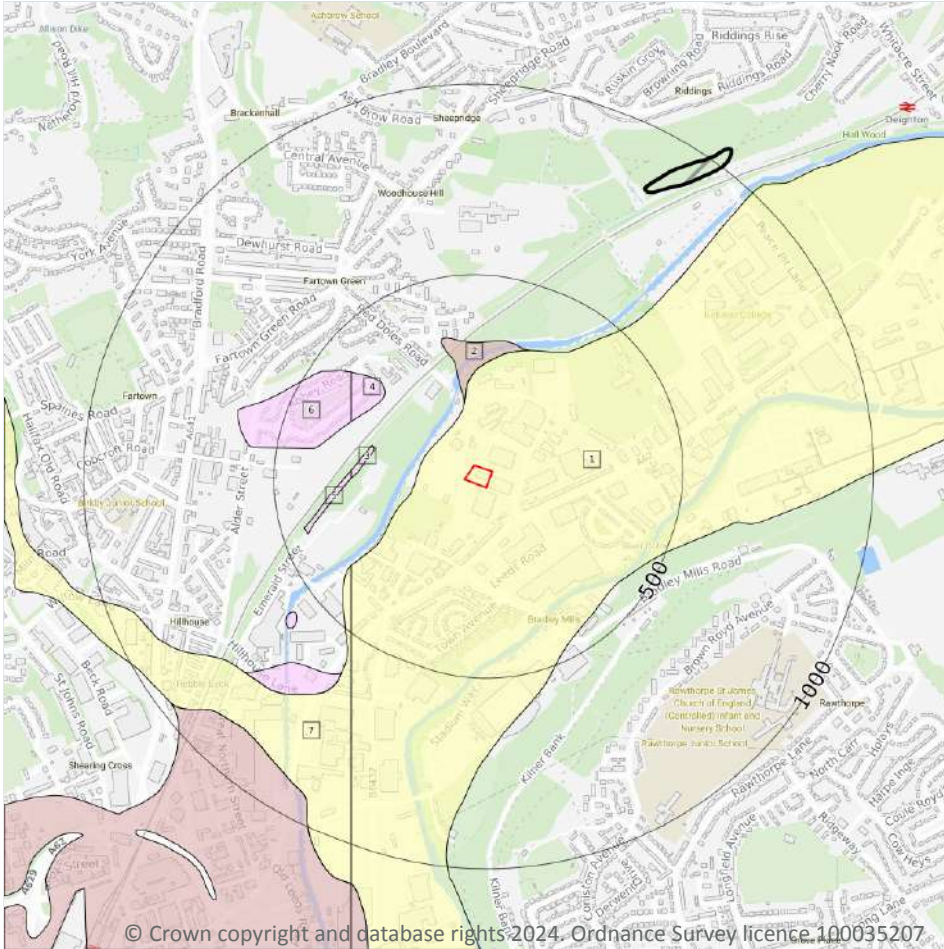



ID	Location	LEX Code	Description	Rock description
3	257m N	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
4	298m W	WMGR-ARTDP	Infilled Ground	Artificial Deposit
5	299m W	WGR-VOID	Worked Ground (Undivided)	Void
6	347m S	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
B	401m SW	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
B	403m SW	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
7	406m NE	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
8	416m N	LSGR-UKNOWN	Landscaped Ground (Undivided)	Unknown/unclassified Entry
9	419m NE	WGR-VOID	Worked Ground (Undivided)	Void
10	427m NW	WMGR-ARTDP	Infilled Ground	Artificial Deposit
11	436m W	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
12	484m S	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

7

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

Features are displayed on the Geology 1:10,000 scale - Superficial map on [page 117 >](#)

ID	Location	LEX Code	Description	Rock description
1	On site	ALV-XCSV	Alluvium - Clay, Sand And Gravel	Clay, Sand And Gravel
2	168m N	HEAD-XCZSV	Head - Clay, Silt, Sand And Gravel	Clay, Silt, Sand And Gravel
3	250m W	GFDMP-XSV	Glaciofluvial Deposits, Mid Pleistocene - Sand And Gravel	Sand And Gravel



ID	Location	LEX Code	Description	Rock description
4	296m NW	GFDMP-XSV	Glaciofluvial Deposits, Mid Pleistocene - Sand And Gravel	Sand And Gravel
5	298m W	GFDMP-XSV	Glaciofluvial Deposits, Mid Pleistocene - Sand And Gravel	Sand And Gravel
6	335m NW	GFDMP-XSV	Glaciofluvial Deposits, Mid Pleistocene - Sand And Gravel	Sand And Gravel
7	373m SW	ALV-XCSV	Alluvium - Clay, Sand And Gravel	Clay, Sand And Gravel

This data is sourced from the British Geological Survey.

14.4 Landslip (10k)

Records within 500m

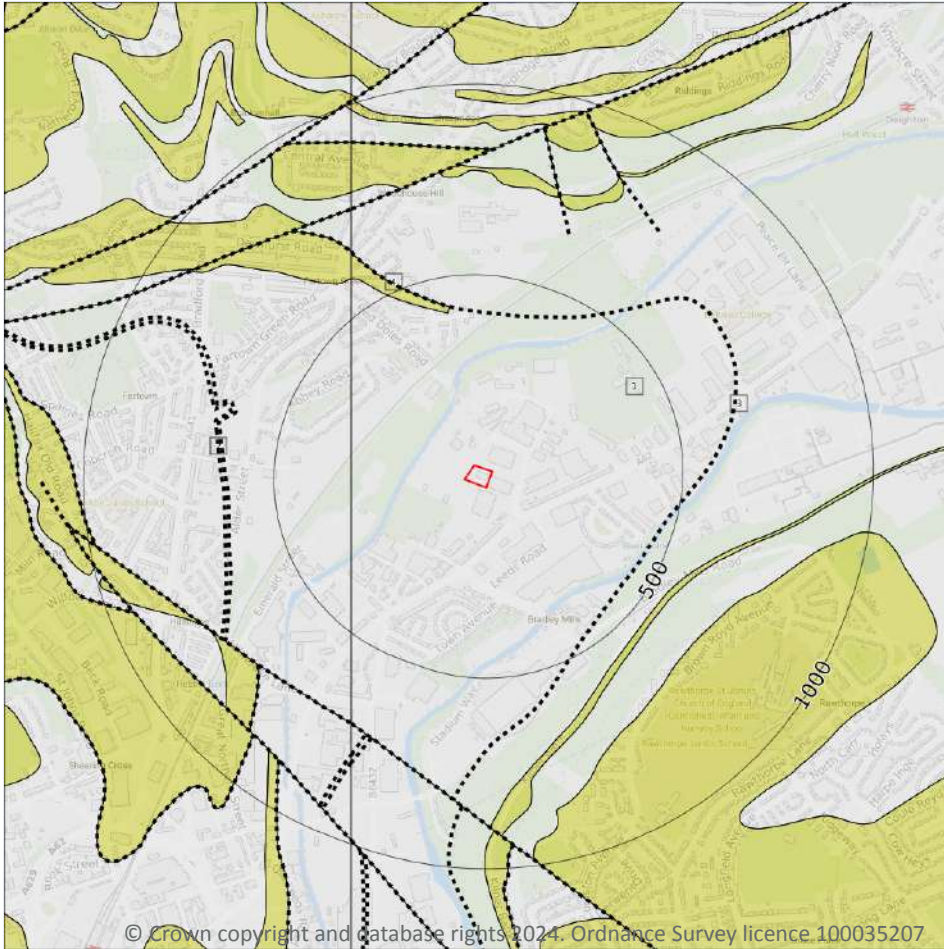
0

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

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Bedrock



- Site Outline
- Search buffers in metres (m)
- Bedrock faults and other linear features (10k)
- Bedrock geology (10k)
Please see table for more details.

14.5 Bedrock geology (10k)

Records within 500m

3

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

Features are displayed on the Geology 1:10,000 scale - Bedrock map on [page 119](#) >

ID	Location	LEX Code	Description	Rock age
1	On site	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age
2	298m W	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age
4	405m N	STNR-SDST	Stanningley Rock - 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

1

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

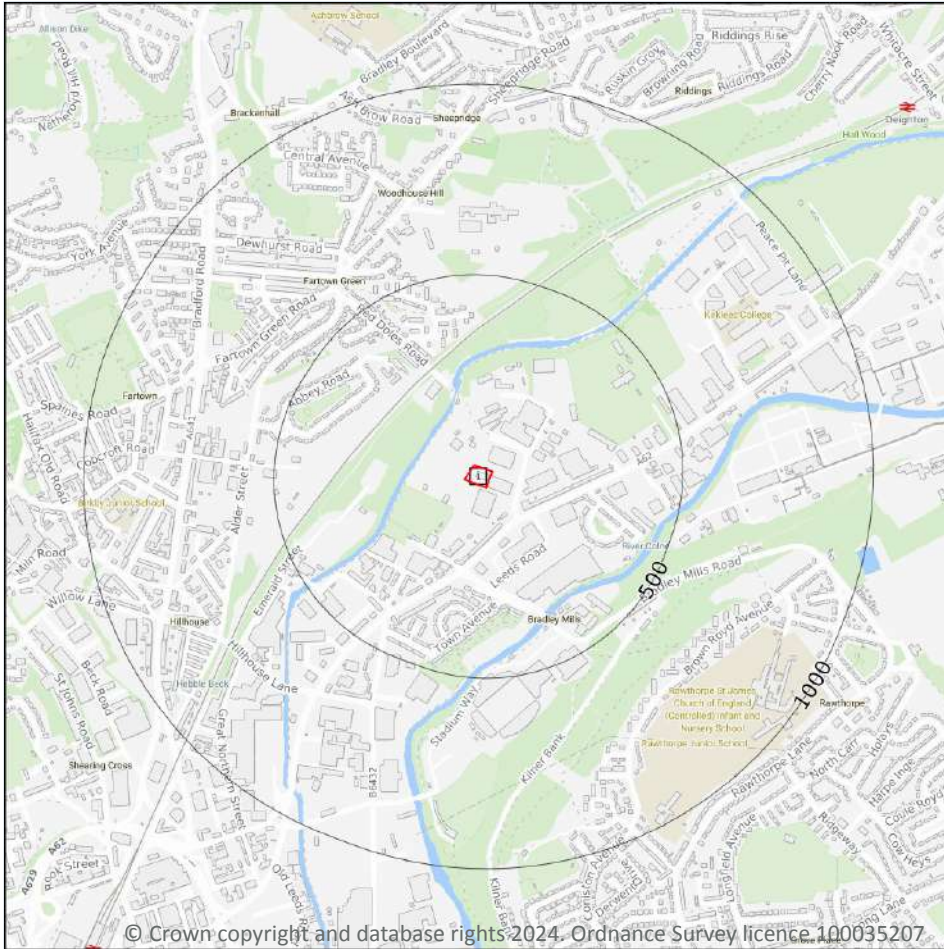
Features are displayed on the Geology 1:10,000 scale - Bedrock map on [page 119](#) >

ID	Location	Category	Description
3	401m N	ROCK	Coal seam, inferred

This data is sourced from the British Geological Survey.



15 Geology 1:50,000 scale - Availability



- Site Outline
- Search buffers in metres (m)
- Geological map tile

15.1 50k Availability

Records within 500m

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.

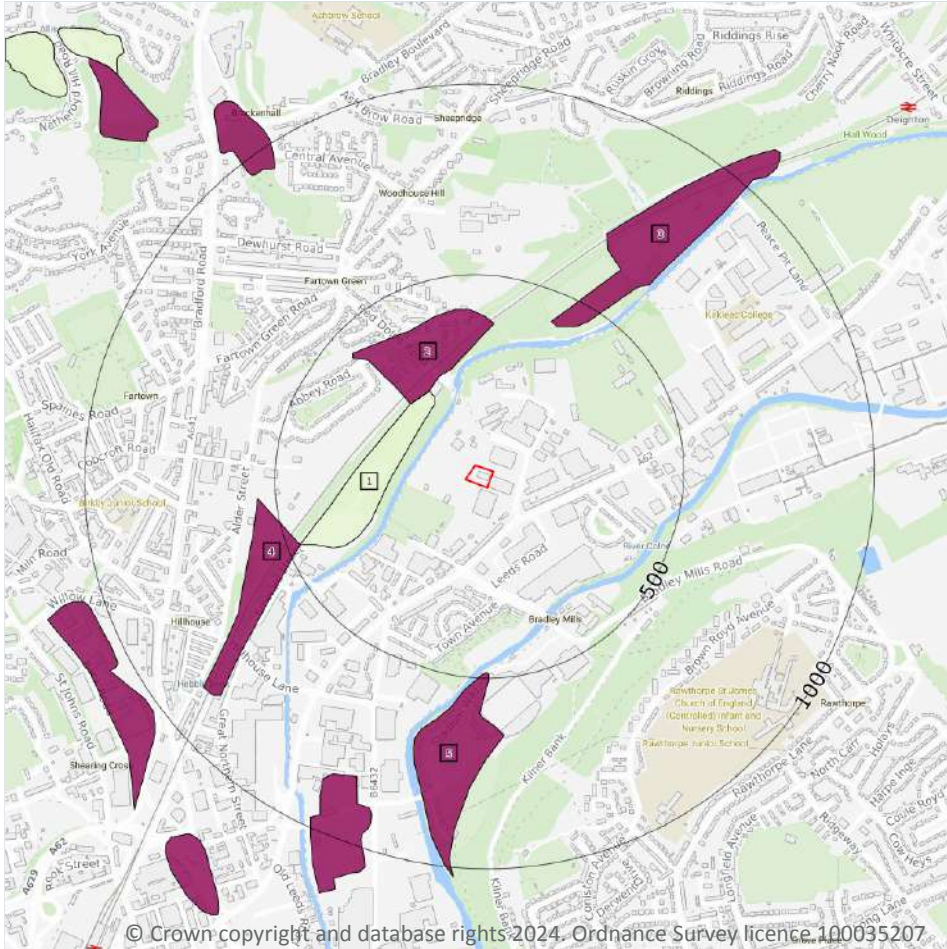
Features are displayed on the Geology 1:50,000 scale - Availability map on [page 121](#) >

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	Full	EW077_huddersfield_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

5

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

Features are displayed on the Geology 1:50,000 scale - Artificial and made ground map on [page 122 >](#)

ID	Location	LEX Code	Description	Rock description
1	172m W	WMGR-ARTDP	INFILLED GROUND	ARTIFICIAL DEPOSIT
2	228m NW	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT
3	416m NE	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT
4	467m W	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT

ID	Location	LEX Code	Description	Rock description
5	485m S	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT

This data is sourced from the British Geological Survey.

15.3 Artificial ground permeability (50k)

Records within 50m

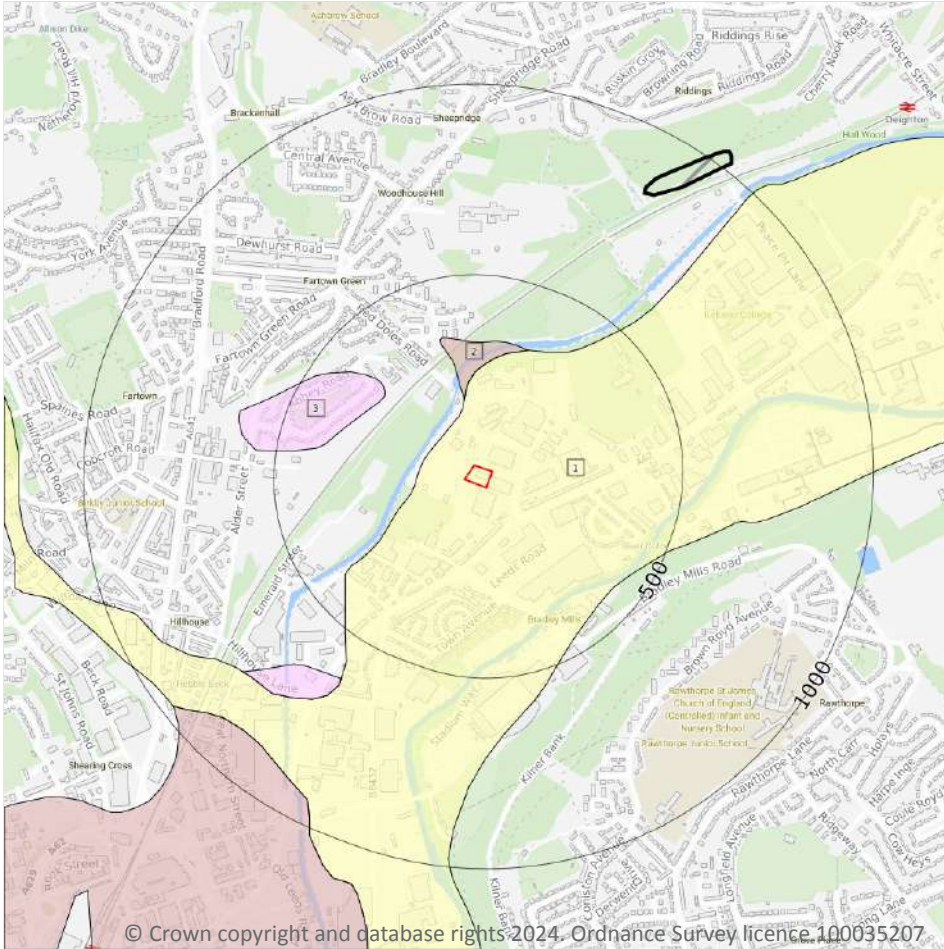
0


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

This data is sourced from the British Geological Survey.



Geology 1:50,000 scale - Superficial



- Site Outline
- Search buffers in metres (m)
-  Landslip (50k)
- Superficial geology (50k)
Please see table for more details.

15.4 Superficial geology (50k)

Records within 500m

3

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 124 >](#)

ID	Location	LEX Code	Description	Rock description
1	On site	ALV-XCZSV	ALLUVIUM	CLAY, SILT, SAND AND GRAVEL
2	175m N	HEAD-XCZSV	HEAD	CLAY, SILT, SAND AND GRAVEL
3	296m NW	GFDMP-XSV	GLACIOFLUVIAL DEPOSITS, MID PLEISTOCENE	SAND AND GRAVEL



This data is sourced from the British Geological Survey.

15.5 Superficial permeability (50k)

Records within 50m

1

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

Location	Flow type	Maximum permeability	Minimum permeability
On site	Intergranular	High	Very Low

This data is sourced from the British Geological Survey.

15.6 Landslip (50k)

Records within 500m

0

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

This data is sourced from the British Geological Survey.

15.7 Landslip permeability (50k)

Records within 50m

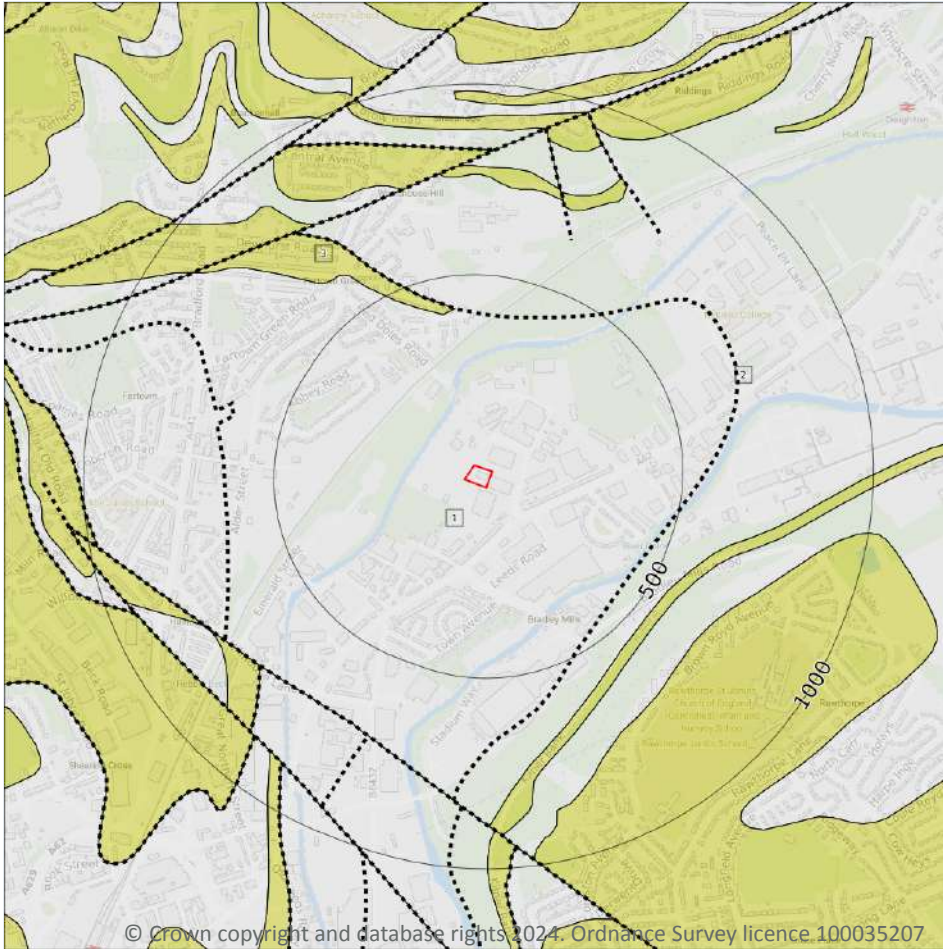
0

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

This data is sourced from the British Geological Survey.



Geology 1:50,000 scale - Bedrock



- Site Outline
- Search buffers in metres (m)
- Bedrock faults and other linear features (50k)
- Bedrock geology (50k)
Please see table for more details.

15.8 Bedrock geology (50k)

Records within 500m

2

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

Features are displayed on the Geology 1:50,000 scale - Bedrock map on [page 126 >](#)

ID	Location	LEX Code	Description	Rock age
1	On site	PLCM-MDSS	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
3	403m N	STNR-SDST	STANNINGLEY ROCK - SANDSTONE	WESTPHALIAN

This data is sourced from the British Geological Survey.

15.9 Bedrock permeability (50k)

Records within 50m

1

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

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

This data is sourced from the British Geological Survey.

15.10 Bedrock faults and other linear features (50k)

Records within 500m

1

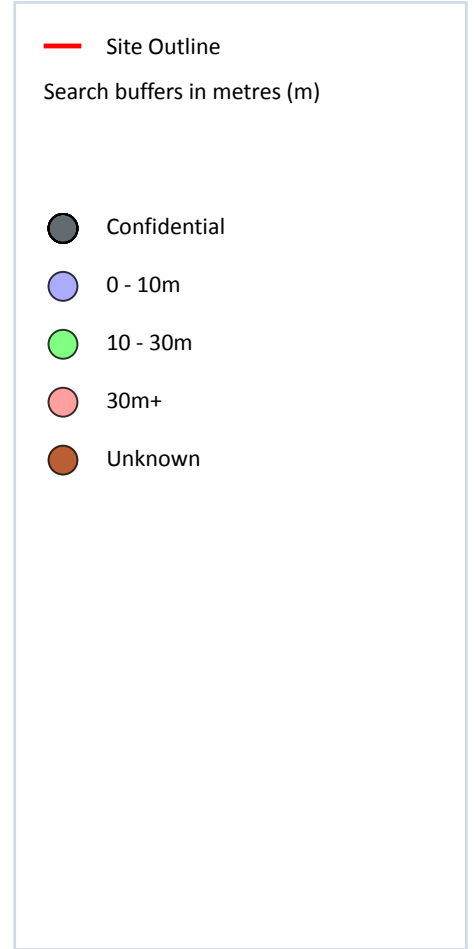
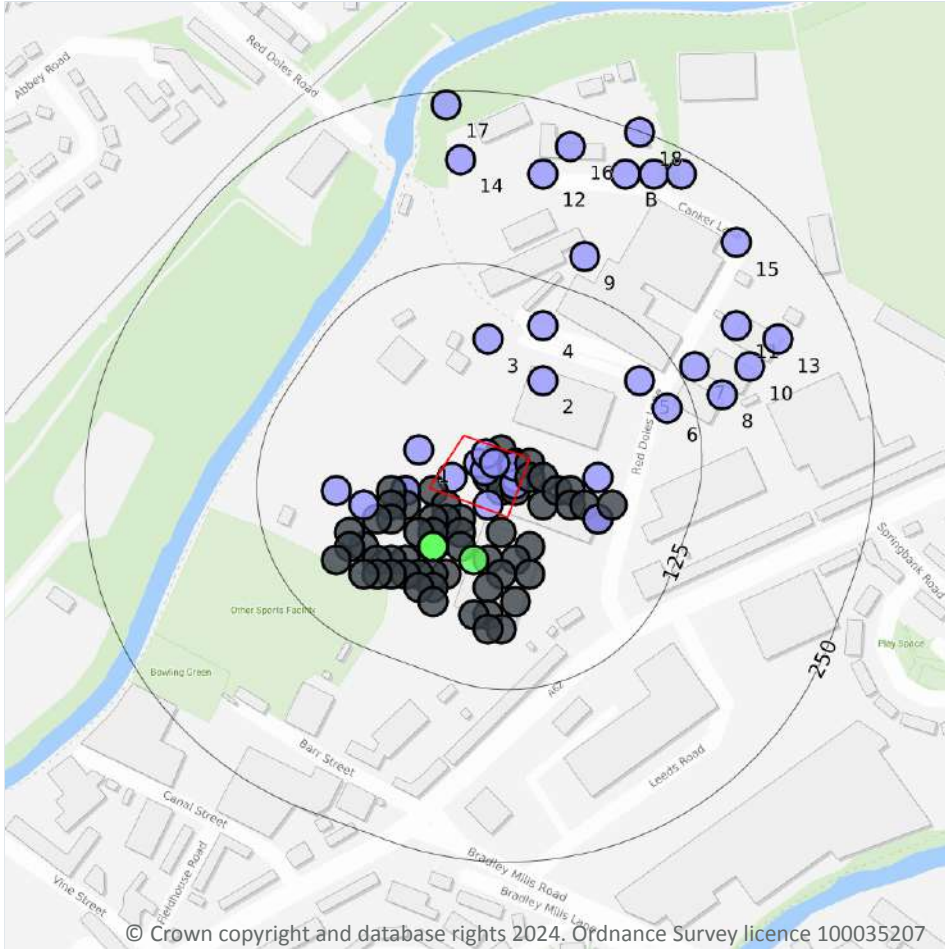
Linear features at the ground or bedrock surface at 1:50,000 scale of six main types; rock, fault, fold axis, mineral vein, alteration area or landform. Features are either observed or inferred, and relate primarily to bedrock.

Features are displayed on the Geology 1:50,000 scale - Bedrock map on [page 126 >](#)

ID	Location	Category	Description
2	396m N	ROCK	Coal seam, inferred

This data is sourced from the British Geological Survey.

16 Boreholes



16.1 BGS Boreholes

Records within 250m

109

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 128 >](#)

ID	Location	Grid reference	Name	Length	Confidential	Web link
A	On site	415350 418170	RED DOLES LANE HUDDERSFIELD 1	-	Y	N/A
A	On site	415360 418160	RED DOLES LANE HUDDERSFIELD 1A	-	Y	N/A
A	On site	415350 418150	RED DOLES LANE HUDDERSFIELD 6	-	Y	N/A

ID	Location	Grid reference	Name	Length	Confidential	Web link
A	On site	415340 418150	RED DOLES LANE HUDDERSFIELD 10	-	Y	N/A
A	On site	415350 418140	RED DOLES LANE HUDDERSFIELD 10A	-	Y	N/A
A	On site	415360 418140	RED DOLES LANE HUDDERSFIELD 11	-	Y	N/A
A	On site	415360 418150	RED DOLES LANE HUDDERSFIELD 16	6.0	N	13101531 ↗
A	On site	415333 418160	RED DOLES LANE LEEDS ROAD HUDDERSFIELD 1	8.7	N	20574232 ↗
A	On site	415359 418145	RED DOLES LANE LEEDS ROAD HUDDERSFIELD 2	8.0	N	20574233 ↗
A	On site	415359 418158	RED DOLES LANE LEEDS ROAD HUDDERSFIELD TP1	3.0	N	20574234 ↗
A	On site	415338 418155	RED DOLES LANE LEEDS ROAD HUDDERSFIELD TP2	2.7	N	20574235 ↗
A	On site	415339 418167	RED DOLES LANE LEEDS ROAD HUDDERSFIELD TP4	2.8	N	20574237 ↗
A	On site	415314 418150	RED DOLES LANE LEEDS ROAD HUDDERSFIELD TP5	2.6	N	20574238 ↗
A	On site	415340 418130	RED DOLES LANE 10	2.0	N	40942 ↗
A	On site	415345 418160	RED DOLES LANE LEEDS ROAD HUDDERSFIELD TP3	2.5	N	20574236 ↗
A	1m E	415370 418160	RED DOLES LANE HUDDERSFIELD 2	-	Y	N/A
A	1m W	415300 418140	RED DOLES LANE HUDDERSFIELD 17	-	Y	N/A
A	5m E	415370 418150	RED DOLES LANE HUDDERSFIELD 7	-	Y	N/A
A	7m SW	415310 418130	RED DOLES LANE HUDDERSFIELD 16	-	Y	N/A
A	12m S	415350 418110	RED DOLES LANE HUDDERSFIELD 29	-	Y	N/A
A	13m SW	415320 418120	RED DOLES LANE HUDDERSFIELD 15	-	Y	N/A
A	14m E	415380 418150	RED DOLES LANE HUDDERSFIELD 3	-	Y	N/A
A	17m SW	415310 418120	RED DOLES LANE HUDDERSFIELD 23	-	Y	N/A
A	18m W	415280 418140	RED DOLES LANE HUDDERSFIELD 18	-	Y	N/A
A	18m W	415280 418140	RED DOLES LANE 9	2.0	N	40941 ↗
A	20m SW	415300 418120	RED DOLES LANE HUDDERSFIELD 22	-	Y	N/A
A	21m SE	415380 418130	RED DOLES LANE HUDDERSFIELD 12	-	Y	N/A



ID	Location	Grid reference	Name	Length	Confidential	Web link
A	22m W	415280 418130	RED DOLES LANE HUDDERSFIELD 21	-	Y	N/A
1	22m W	415290 418170	RED DOLES LANE HUDDERSFIELD 15	6.0	N	13101529 ↗
A	23m S	415320 418110	RED DOLES LANE HUDDERSFIELD 23A	-	Y	N/A
A	26m SE	415370 418100	RED DOLES LANE HUDDERSFIELD 30	-	Y	N/A
A	27m E	415390 418140	RED DOLES LANE HUDDERSFIELD 8	-	Y	N/A
A	28m W	415270 418140	RED DOLES LANE HUDDERSFIELD 19	-	Y	N/A
A	30m SW	415300 418110	RED DOLES LANE HUDDERSFIELD 25	-	Y	N/A
A	30m W	415270 418130	RED DOLES LANE HUDDERSFIELD 20	-	Y	N/A
A	32m S	415360 418090	RED DOLES LANE HUDDERSFIELD 31	-	Y	N/A
A	32m S	415320 418100	RED DOLES LANE HUDDERSFIELD 24	-	Y	N/A
A	33m SW	415290 418110	RED DOLES LANE HUDDERSFIELD 26	-	Y	N/A
A	34m S	415340 418090	RED DOLES LANE HUDDERSFIELD 32	-	Y	N/A
A	36m SW	415270 418120	RED DOLES LANE HUDDERSFIELD 27	-	Y	N/A
A	36m E	415400 418140	RED DOLES LANE HUDDERSFIELD 4	-	Y	N/A
A	38m S	415330 418090	RED DOLES LANE HUDDERSFIELD 14	10.3	N	13101528 ↗
A	39m SW	415300 418100	MOTOR TRANSPORT WKSHOP BARR STREET HUDDERSFIELD 3	18.0	N	40854 ↗
A	39m SW	415300 418100	MOTOR TRANSPORT WKSHOP BARR STREET HUDDERSFIELD 8	14.0	N	40859 ↗
A	39m SW	415300 418100	MOTOR TRANSPORT WKSHOP BARR STREET HUDDERSFIELD 7	14.0	N	40858 ↗
A	39m SW	415300 418100	MOTOR TRANSPORT WKSHOP BARR STREET HUDDERSFIELD 13	15.0	N	40864 ↗
A	39m SW	415300 418100	MOTOR TRANSPORT WKSHOP BARR STREET HUDDERSFIELD 9	14.0	N	40860 ↗
A	39m SW	415300 418100	MOTOR TRANSPORT WKSHOP BARR STREET HUDDERSFIELD 6	14.0	N	40857 ↗
A	39m SW	415300 418100	MOTOR TRANSPORT WKSHOP BARR STREET HUDDERSFIELD 5	14.5	N	40856 ↗
A	39m SW	415300 418100	MOTOR TRANSPORT WKSHOP BARR STREET HUDDERSFIELD 11	15.0	N	40862 ↗



ID	Location	Grid reference	Name	Length	Confidential	Web link
A	39m SW	415300 418100	MOTOR TRANSPORT WKSHOP BARR STREET HUDDERSFIELD 1	17.6	N	40852 ↗
A	39m SW	415300 418100	MOTOR TRANSPORT WKSHOP BARR STREET HUDDERSFIELD 2	30.0	N	40853 ↗
A	39m SW	415300 418100	MOTOR TRANSPORT WKSHOP BARR STREET HUDDERSFIELD 4	15.0	N	40855 ↗
A	39m SW	415300 418100	MOTOR TRANSPORT WKSHOP BARR STREET HUDDERSFIELD 10	14.0	N	40861 ↗
A	39m SW	415300 418100	MOTOR TRANSPORT WKSHOP BARR STREET HUDDERSFIELD 12	15.0	N	40863 ↗
A	40m E	415400 418130	RED DOLES LANE HUDDERSFIELD 13	-	Y	N/A
A	41m S	415350 418080	RED DOLES LANE HUDDERSFIELD 34	-	Y	N/A
A	44m W	415260 418120	RED DOLES LANE HUDDERSFIELD 28	-	Y	N/A
A	44m SE	415370 418080	RED DOLES LANE HUDDERSFIELD 33	-	Y	N/A
A	49m E	415410 418130	RED DOLES LANE HUDDERSFIELD 9	-	Y	N/A
A	49m W	415250 418130	RED DOLES LANE 8	4.0	N	40940 ↗
A	52m E	415420 418150	RED DOLES LANE HUDDERSFIELD 18	6.0	N	13101534 ↗
A	53m S	415340 418070	RED DOLES LANE HUDDERSFIELD 35	-	Y	N/A
A	54m S	415310 418080	RED DOLES LANE HUDDERSFIELD 41	-	Y	N/A
A	55m SW	415280 418090	RED DOLES LANE HUDDERSFIELD 43	-	Y	N/A
2	56m NE	415380 418220	RED DOLES LANE HUDDERSFIELD 17	6.0	N	13101533 ↗
A	58m SW	415300 418080	RED DOLES LANE HUDDERSFIELD 42	-	Y	N/A
A	59m SW	415270 418090	RED DOLES LANE HUDDERSFIELD 44	-	Y	N/A
A	61m SW	415290 418080	RED DOLES LANE HUDDERSFIELD 50	-	Y	N/A
A	61m S	415360 418060	RED DOLES LANE HUDDERSFIELD 36	-	Y	N/A
A	62m E	415420 418120	RED DOLES LANE HUDDERSFIELD 14	-	Y	N/A
A	62m E	415420 418120	RED DOLES LANE 17	2.0	N	40949 ↗
A	64m SW	415250 418100	RED DOLES LANE HUDDERSFIELD 45	-	Y	N/A
A	65m SW	415260 418090	RED DOLES LANE HUDDERSFIELD 48	-	Y	N/A
A	65m SW	415280 418080	RED DOLES LANE HUDDERSFIELD 55	-	Y	N/A



ID	Location	Grid reference	Name	Length	Confidential	Web link
A	66m SW	415240 418110	RED DOLES LANE HUDDERSFIELD 46	-	Y	N/A
A	67m SW	415300 418070	RED DOLES LANE HUDDERSFIELD 51	-	Y	N/A
A	68m W	415230 418140	RED DOLES LANE 7	5.0	N	40939 ↗
A	68m E	415430 418130	RED DOLES LANE HUDDERSFIELD 5	-	Y	N/A
A	68m SW	415270 418080	RED DOLES LANE HUDDERSFIELD 49	-	Y	N/A
A	70m SW	415290 418070	RED DOLES LANE HUDDERSFIELD 56	-	Y	N/A
A	72m SW	415240 418100	RED DOLES LANE HUDDERSFIELD 47	-	Y	N/A
3	72m N	415340 418250	RED DOLES LANE 11	2.0	N	40943 ↗
A	73m S	415340 418050	RED DOLES LANE HUDDERSFIELD 37	-	Y	N/A
A	73m SW	415260 418080	RED DOLES LANE HUDDERSFIELD 54	-	Y	N/A
A	75m S	415330 418050	RED DOLES LANE HUDDERSFIELD 38	-	Y	N/A
A	76m S	415300 418060	RED DOLES LANE HUDDERSFIELD 57	-	Y	N/A
A	79m SW	415250 418080	RED DOLES LANE HUDDERSFIELD 53	-	Y	N/A
A	81m S	415350 418040	RED DOLES LANE HUDDERSFIELD 39	-	Y	N/A
A	82m S	415340 418040	RED DOLES LANE HUDDERSFIELD 40	-	Y	N/A
A	86m SW	415230 418090	RED DOLES LANE HUDDERSFIELD 52	-	Y	N/A
4	94m N	415380 418260	RED DOLES LANE 12	2.0	N	40944 ↗
5	98m NE	415450 418220	RED DOLES LANE 16	2.0	N	40948 ↗
6	106m E	415470 418200	RED DOLES LANE 1	5.25	N	40933 ↗
7	137m NE	415490 418230	RED DOLES LANE 5	5.35	N	40937 ↗
8	147m E	415510 418210	RED DOLES LANE 4	5.0	N	40936 ↗
9	151m NE	415410 418310	RED DOLES LANE 13	2.0	N	40945 ↗
10	173m E	415530 418230	RED DOLES LANE 2	8.4	N	40934 ↗
11	178m NE	415520 418260	RED DOLES LANE 3	8.5	N	40935 ↗
12	198m N	415380 418370	RED DOLES LANE HUDDERSFIELD 12	7.5	N	13101526 ↗
13	199m NE	415550 418250	RED DOLES LANE 6	5.0	N	40938 ↗
14	200m N	415320 418380	RED DOLES LANE HUDDERSFIELD 5	8.2	N	13101515 ↗

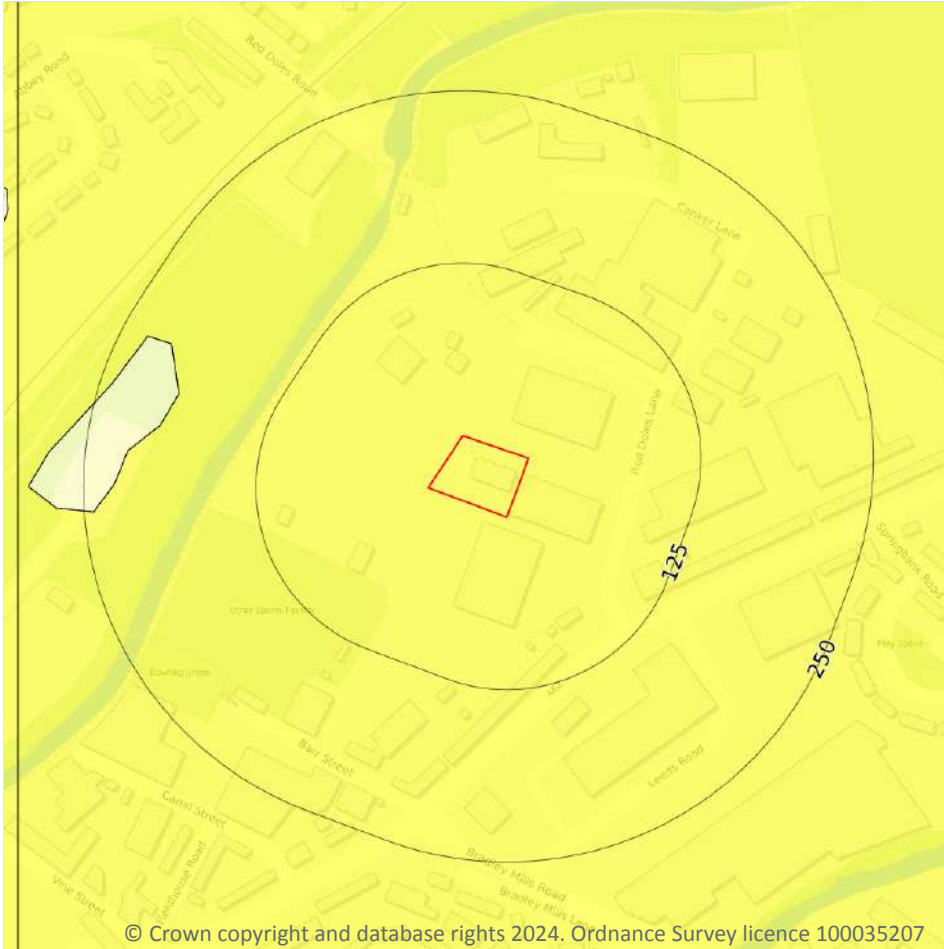


ID	Location	Grid reference	Name	Length	Confidential	Web link
15	217m NE	415520 418320	RED DOLES LANE 15	2.0	N	40947 ↗
B	218m NE	415440 418370	RED DOLES LANE 14	2.0	N	40946 ↗
16	224m N	415400 418390	RED DOLES LANE HUDDERSFIELD 7	7.3	N	13101519 ↗
B	225m NE	415460 418370	RED DOLES LANE HUDDERSFIELD 13	7.0	N	13101527 ↗
B	234m NE	415480 418370	RED DOLES LANE HUDDERSFIELD 8	7.3	N	13101521 ↗
17	240m N	415310 418420	RED DOLES LANE HUDDERSFIELD BH1	8.0	N	13101508 ↗
18	249m NE	415450 418400	RED DOLES LANE HUDDERSFIELD 19	8.0	N	13101535 ↗

This data is sourced from the British Geological Survey.



17 Natural ground subsidence - Shrink swell clays



17.1 Shrink swell clays

Records within 50m

1

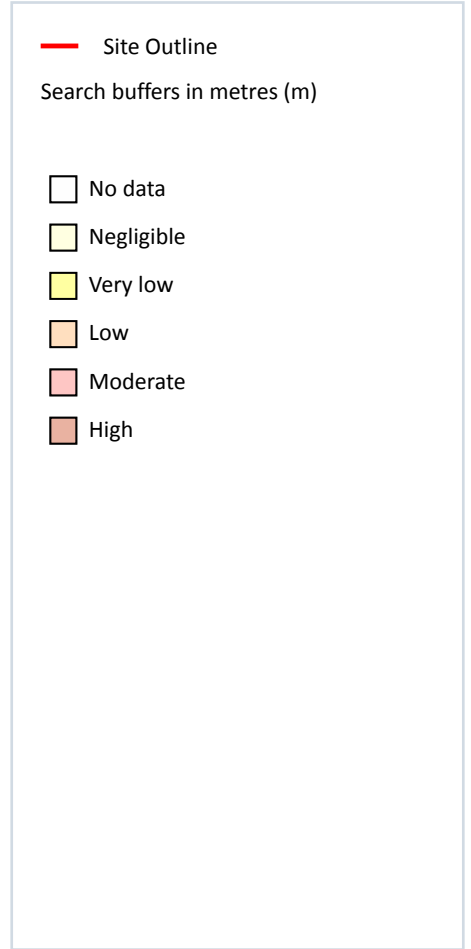
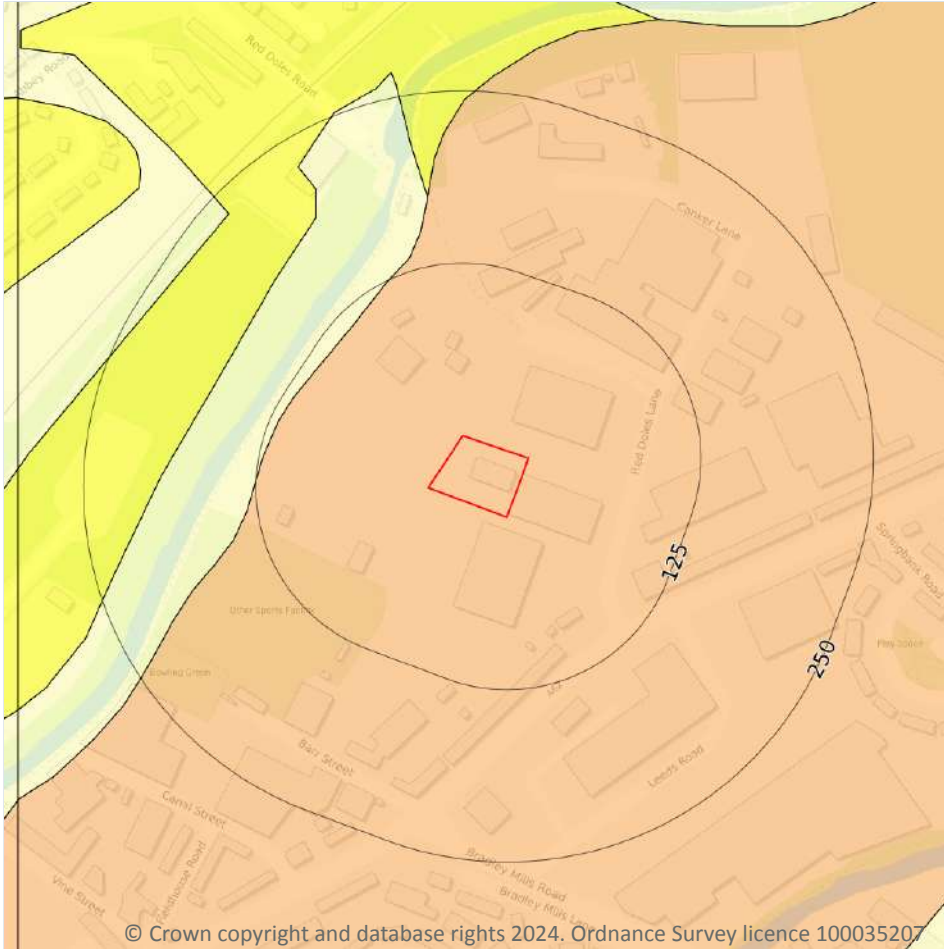
The potential hazard presented by soils that absorb water when wet (making them swell), and lose water as they dry (making them shrink). This shrink-swell behaviour is controlled by the type and amount of clay in the soil, and by seasonal changes in the soil moisture content (related to rainfall and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

Features are displayed on the Natural ground subsidence - Shrink swell clays map on [page 134](#) >

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

This data is sourced from the British Geological Survey.

Natural ground subsidence - Running sands



17.2 Running sands

Records within 50m

1

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

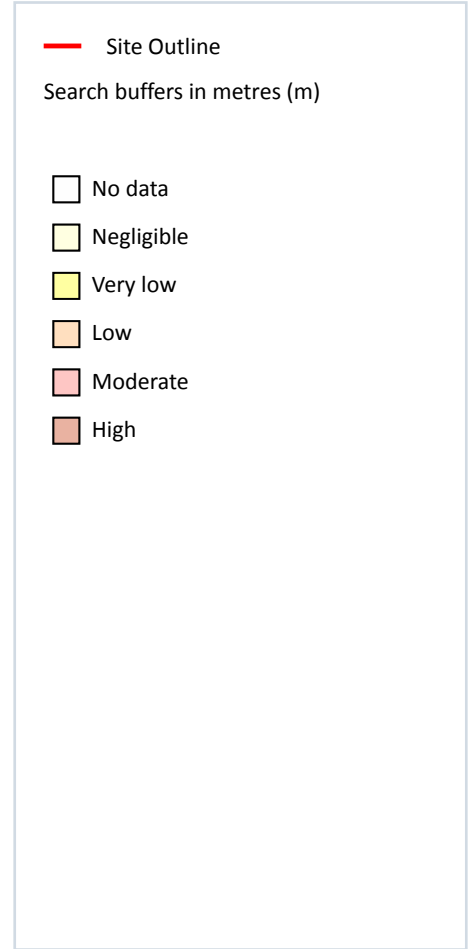
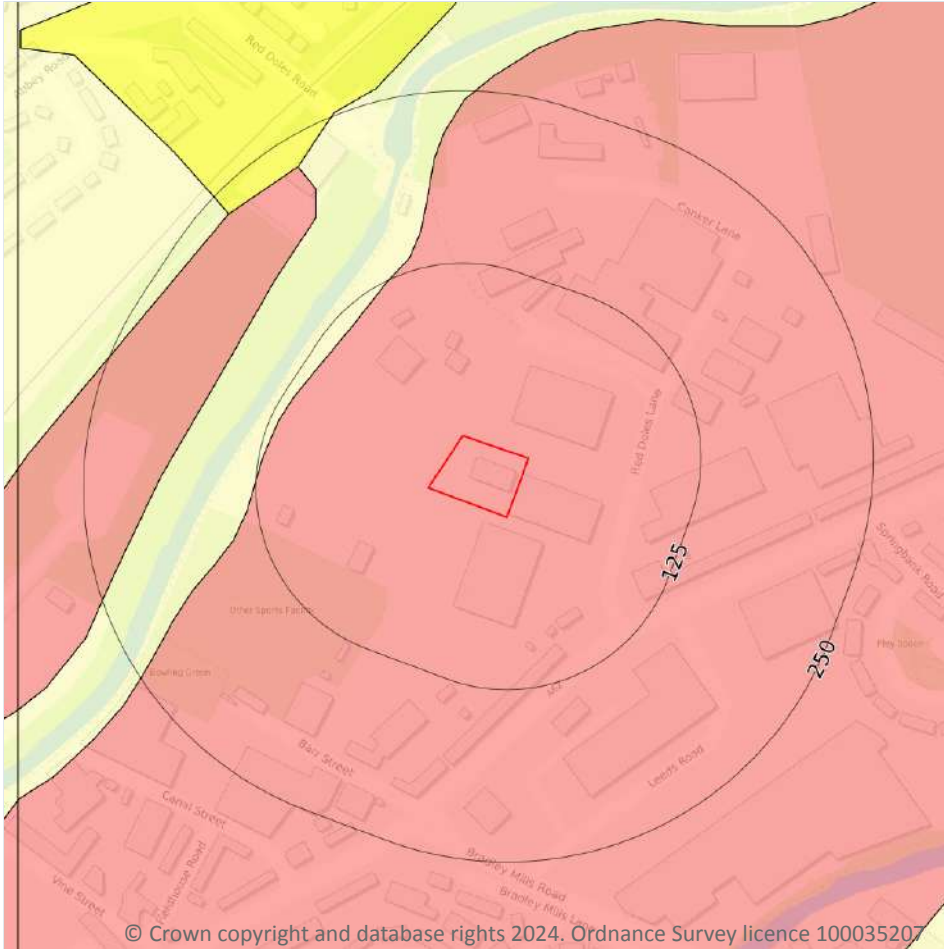
Features are displayed on the Natural ground subsidence - Running sands map on [page 135](#) >

Location	Hazard rating	Details
On site	Low	Running sand conditions may be present. Constraints may apply to land uses involving excavation or the addition or removal of water.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Compressible deposits



17.3 Compressible deposits

Records within 50m

1

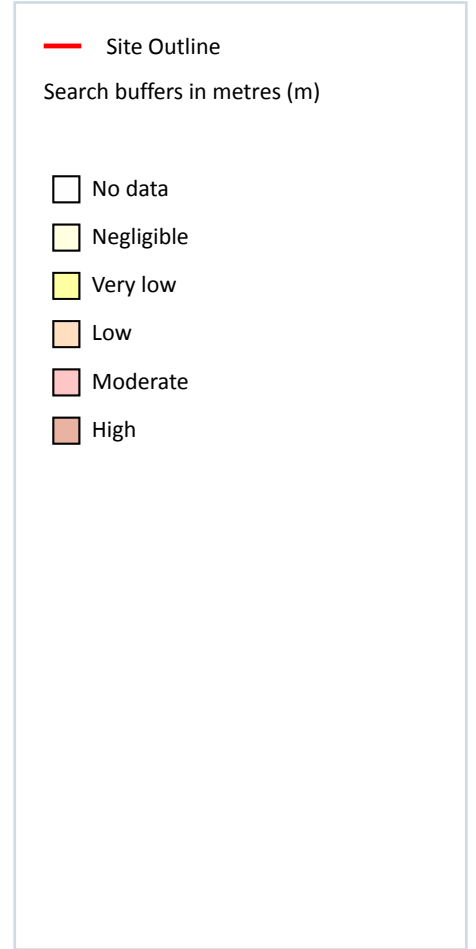
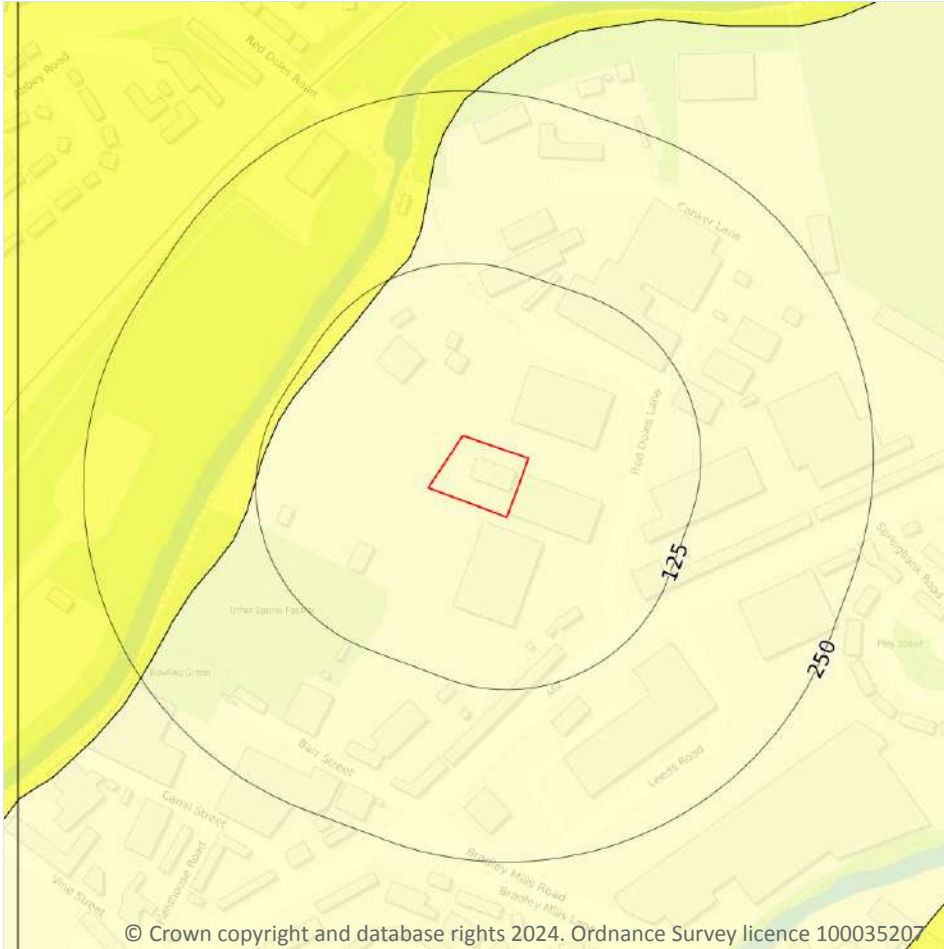
The potential hazard presented by types of ground that may contain layers of very soft materials like clay or peat and may compress if loaded by overlying structures, or if the groundwater level changes, potentially resulting in depression of the ground and disturbance of foundations.

Features are displayed on the Natural ground subsidence - Compressible deposits map on [page 136](#) >

Location	Hazard rating	Details
On site	Moderate	Compressibility and uneven settlement hazards are probably present. Land use should consider specifically the compressibility and variability of the site.

This data is sourced from the British Geological Survey.

Natural ground subsidence - Collapsible deposits



17.4 Collapsible deposits

Records within 50m

1

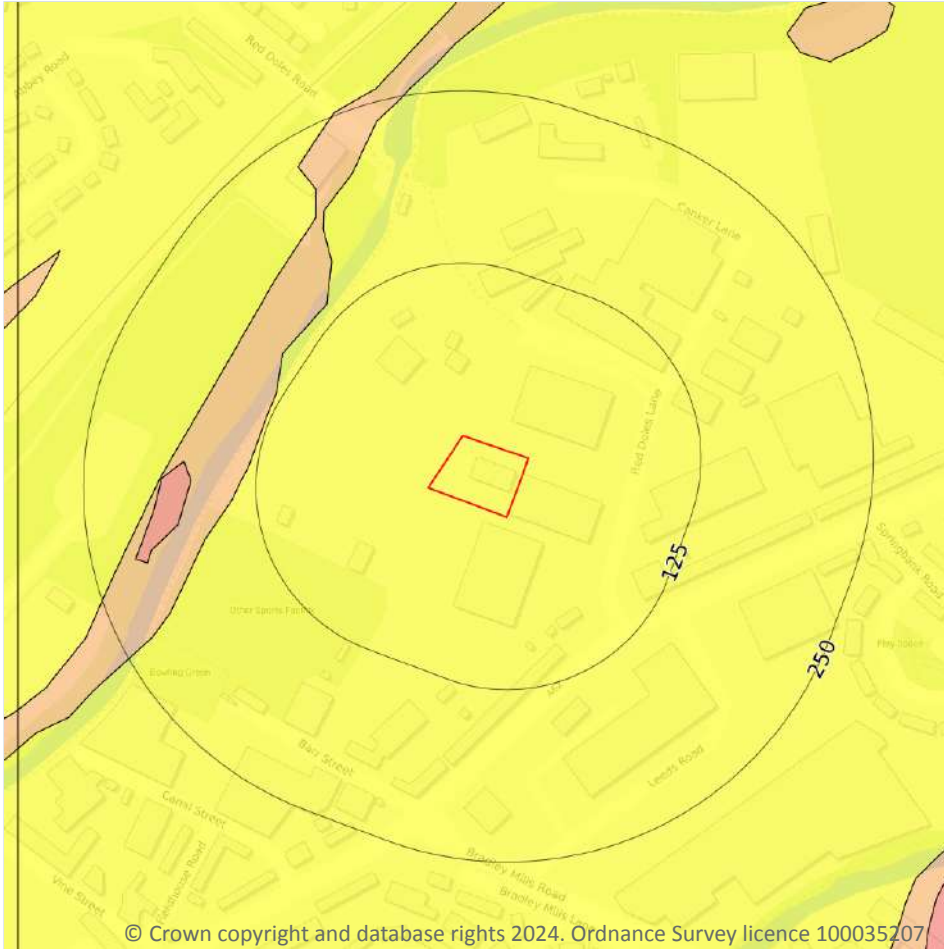
The potential hazard presented by natural deposits that could collapse when a load (such as a building) is placed on them or they become saturated with water.

Features are displayed on the Natural ground subsidence - Collapsible deposits map on [page 137 >](#)

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

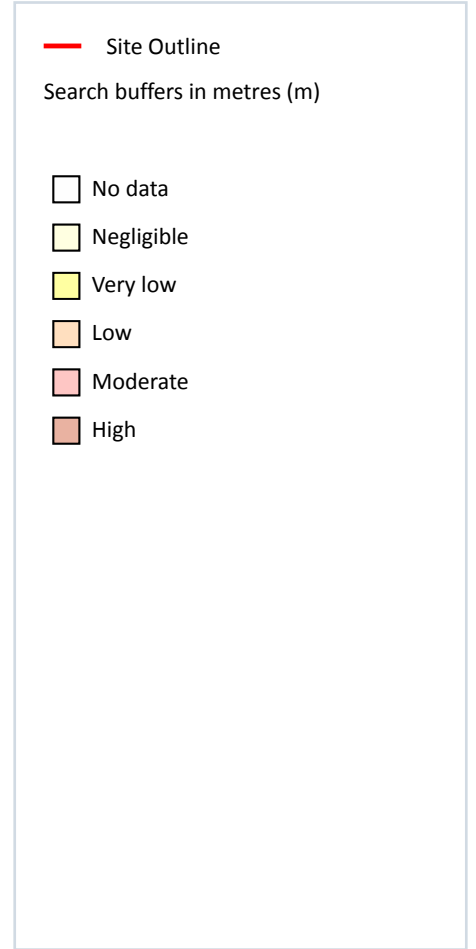
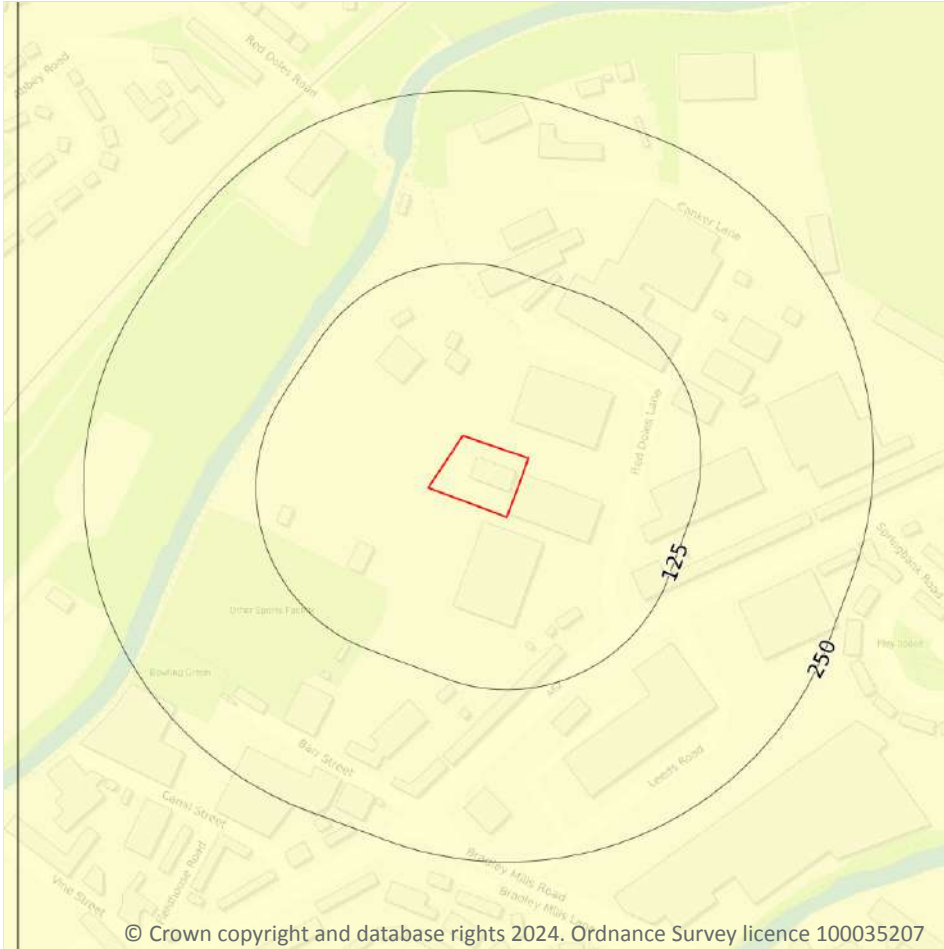
Features are displayed on the Natural ground subsidence - Landslides map on [page 138](#) >

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

This data is sourced from the British Geological Survey.



Natural ground subsidence - Ground dissolution of soluble rocks



17.6 Ground dissolution of soluble rocks

Records within 50m

1

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

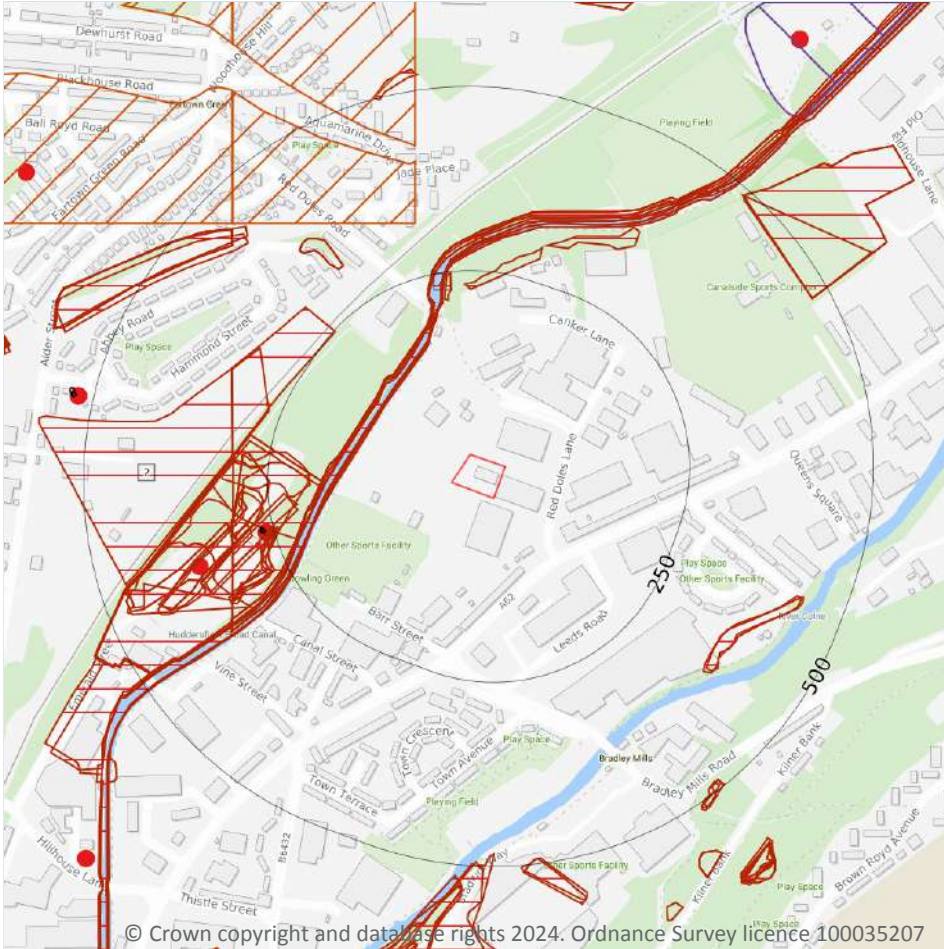
Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on [page 139 >](#)

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

This data is sourced from the British Geological Survey.



18 Mining 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

2

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

Features are displayed on the Mining and ground workings map on [page 141](#) >

ID	Location	Details	Description
C	261m W	Name: Fartown Colliery Address: Fartown, HUDDERSFIELD, West Yorkshire Commodity: Coal, Deep Status: Ceased	Type: Working is wholly underground, access by shaft, adit or drift. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun Ee - Scots) Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
C	361m W	Name: Hillhouse Road Brickworks Address: HUDDERSFIELD, West Yorkshire Commodity: Clay & Shale Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority

This data is sourced from the British Geological Survey.

18.2 Surface ground workings

Records within 250m	25
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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 141](#) >

ID	Location	Land Use	Year of mapping	Mapping scale
A	132m W	Canal	1948	1:10560
A	132m W	Canal	1905	1:10560
A	135m NW	Canal	1889	1:10560
A	135m NW	Canal	1938	1:10560
B	136m NW	Canal	1956	1:10560
B	136m NW	Canal	1975	1:10000
B	136m NW	Canal	1988	1:10000
B	136m NW	Canal	1965	1:10560
C	175m W	Brick Works	1948	1:10560
C	175m W	Brick Works	1938	1:10560
C	175m W	Brick Works	1938	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
C	193m W	Unspecified Ground Workings	1948	1:10560
C	194m W	Unspecified Ground Workings	1956	1:10560
1	212m N	Ponds	1889	1:10560
C	212m W	Cuttings	1938	1:10560
C	212m W	Cuttings	1948	1:10560
C	222m W	Brick Works	1905	1:10560
B	225m N	Refuse Heap	1965	1:10560
C	245m W	Unspecified Ground Workings	1938	1:10560
C	245m W	Unspecified Ground Workings	1938	1:10560
C	247m W	Unspecified Ground Workings	1948	1:10560
C	247m W	Unspecified Heap	1975	1:10000
C	247m W	Unspecified Heap	1988	1:10000
C	247m W	Unspecified Heap	1965	1:10560
2	248m NW	Cuttings	1889	1:10560

This is data is sourced from Ordnance Survey/Groundsure.

18.3 Underground workings

Records within 1000m

5

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

Features are displayed on the Mining and ground workings map on [page 141 >](#)

ID	Location	Land Use	Year of mapping	Mapping scale
C	262m W	Unspecified Shaft	1905	1:10560
K	524m W	Unspecified Old Shaft	1905	1:10560
K	527m W	Unspecified Old Shaft	1889	1:10560
-	793m NE	Unspecified Old Shaft	1948	1:10560
-	793m NE	Unspecified Old Shaft	1905	1:10560

This is data is sourced from Ordnance Survey/Groundsure.



18.4 Underground mining extents

Records within 500m

0

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

This data is sourced from Groundsure.

18.5 Historical Mineral Planning Areas

Records within 500m

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

12

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

Features are displayed on the Mining and ground workings map on [page 141 >](#)

ID	Location	Name	Commodity	Class	Likelihood
4	273m N	Not available	Building stone (zone of influence)	NA	Zone of influence only
6	323m N	Not available	Sandstone - Elland Flags	D	Underground mining is considered likely to have occurred within or close to the area. The location, extent and nature of mining should be considered in any site investigation. Potential for difficult ground conditions should be considered.
7	417m NW	Not available	Building stone (zone of influence)	NA	Zone of influence only
8	426m N	Not available	Sandstone - Elland Flags	D	Underground mining is considered likely to have occurred within or close to the area. The location, extent and nature of mining should be considered in any site investigation. Potential for difficult ground conditions should be considered.



ID	Location	Name	Commodity	Class	Likelihood
9	450m NW	Not available	Sandstone - Elland Flags	D	Underground mining is considered likely to have occurred within or close to the area. The location, extent and nature of mining should be considered in any site investigation. Potential for difficult ground conditions should be considered.
12	590m NW	Not available	Building stone (zone of influence)	NA	Zone of influence only
-	747m N	Not available	Sandstone - Elland Flags	D	Underground mining is considered likely to have occurred within or close to the area. The location, extent and nature of mining should be considered in any site investigation. Potential for difficult ground conditions should be considered.
-	781m NW	Not available	Sandstone - Elland Flags	D	Underground mining is considered likely to have occurred within or close to the area. The location, extent and nature of mining should be considered in any site investigation. Potential for difficult ground conditions should be considered.
-	836m N	Not available	Sandstone - Elland Flags	D	Underground mining is considered likely to have occurred within or close to the area. The location, extent and nature of mining should be considered in any site investigation. Potential for difficult ground conditions should be considered.
-	916m N	Not available	Sandstone - Elland Flags	D	Underground mining is considered likely to have occurred within or close to the area. The location, extent and nature of mining should be considered in any site investigation. Potential for difficult ground conditions should be considered.
-	981m N	Not available	Building stone (zone of influence)	NA	Zone of influence only
-	987m NW	Not available	Sandstone - Elland Flags	D	Underground mining is considered likely to have occurred within or close to the area. The location, extent and nature of mining should be considered in any site investigation. Potential for difficult ground conditions should be considered.

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

1

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.

Location	Mineral
On site	Fireclay

This data is sourced from Groundsure.



18.12 Coal mining

Records on site 1

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

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

This data is sourced from the Coal Authority.

18.13 Brine areas

Records on site 0

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

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

18.14 Gypsum areas

Records on site 0

Generalised areas that may be affected by gypsum extraction.

This data is sourced from British Gypsum.

18.15 Tin mining

Records on site 0

Generalised areas that may be affected by historical tin mining.

This data is sourced from Groundsure.

18.16 Clay mining

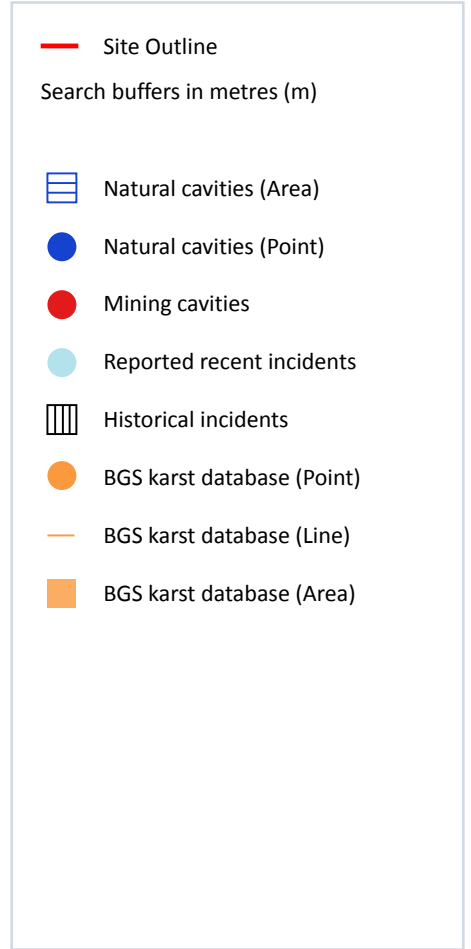
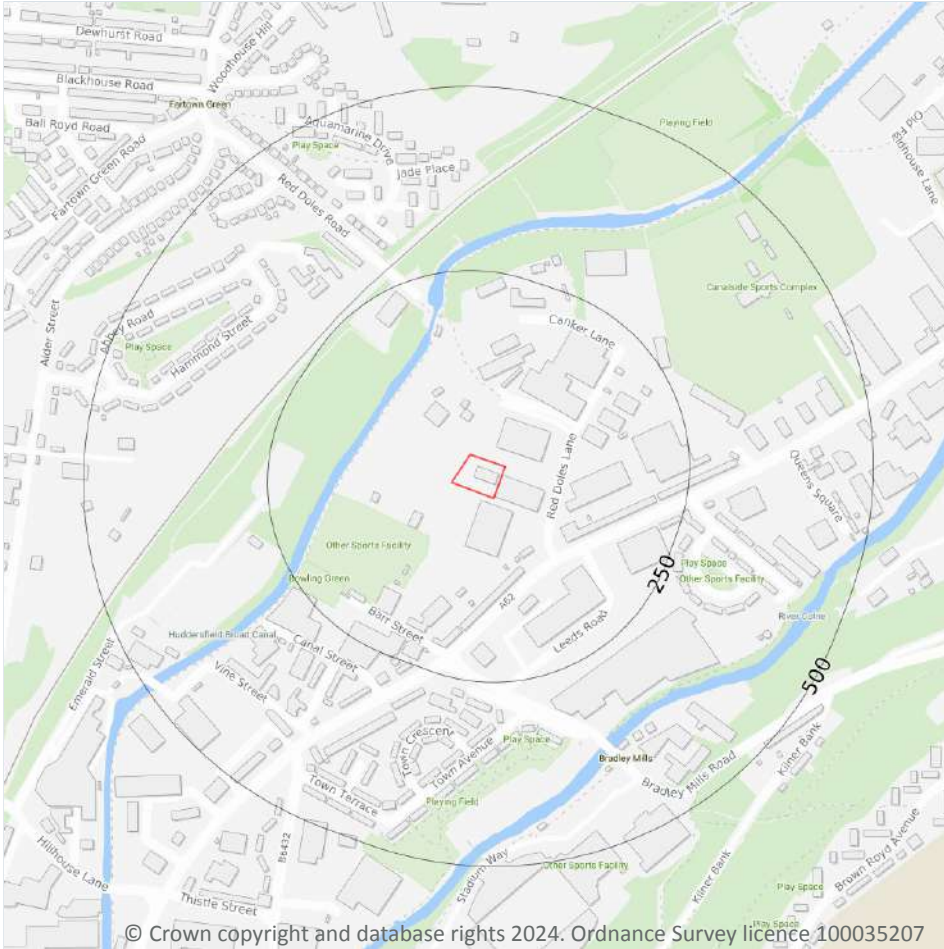
Records on site 0

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

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



19 Ground cavities and sinkholes



19.1 Natural cavities

Records within 500m

0

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

This data is sourced from Stantec UK Ltd.

19.2 Mining cavities

Records within 1000m

2

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.

Features are displayed on the Ground cavities and sinkholes map on [page 148 >](#)

ID	Location	Mine Address	Mineral	Data source	Publisher
-	984m S	Brown Royd, West Yorkshire	Clay	LISTING OF NEW MINERAL RECORDS OFFICE CATALOGUE.	UNPUBLISHED/DR AFT
-	984m S	Brown Royd, West Yorkshire	Clay	LISTING OF NEW MINERAL RECORDS OFFICE CATALOGUE.	UNPUBLISHED/DR AFT

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.

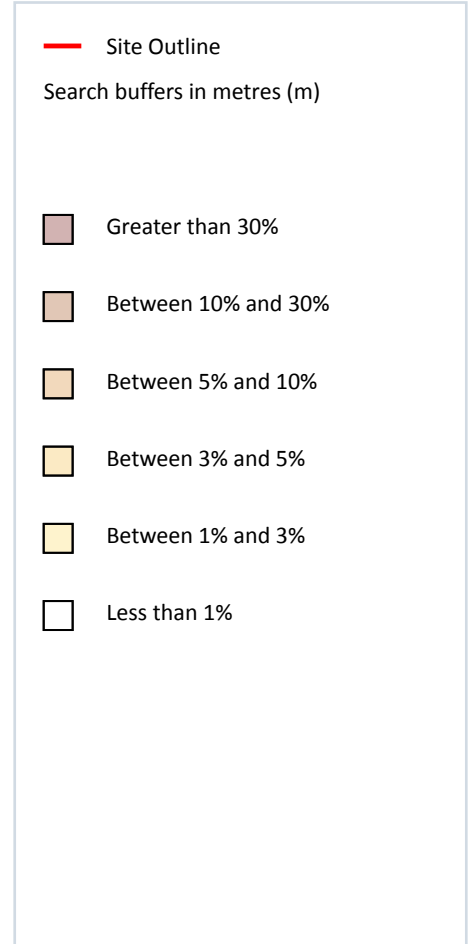
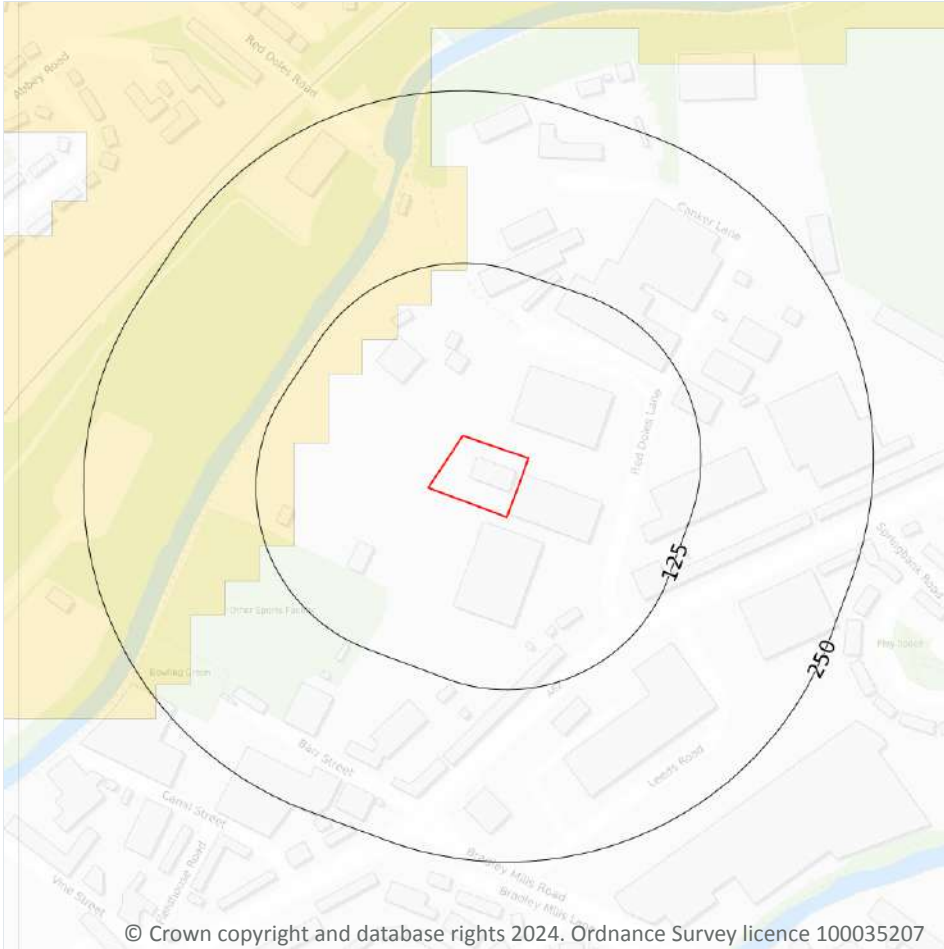
Since the database was set up in 2002 data covering most of the evaporite karst areas of the UK have now been added, along with data covering about 60% of the Chalk, and 35% of the Carboniferous Limestone outcrops. Many of the classic upland karst areas have yet to be included. Recorded so far are: Over 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 151 >](#)

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



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



21 Soil chemistry

21.1 BGS Estimated Background Soil Chemistry

Records within 50m

1

The estimated values provide the likely background concentration of the potentially harmful elements Arsenic, Cadmium, Chromium, Lead and Nickel in topsoil. The values are estimated primarily from rural topsoil data collected at a sample density of approximately 1 per 2 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	25 - 35 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	120 - 180 mg/kg	30 - 45 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

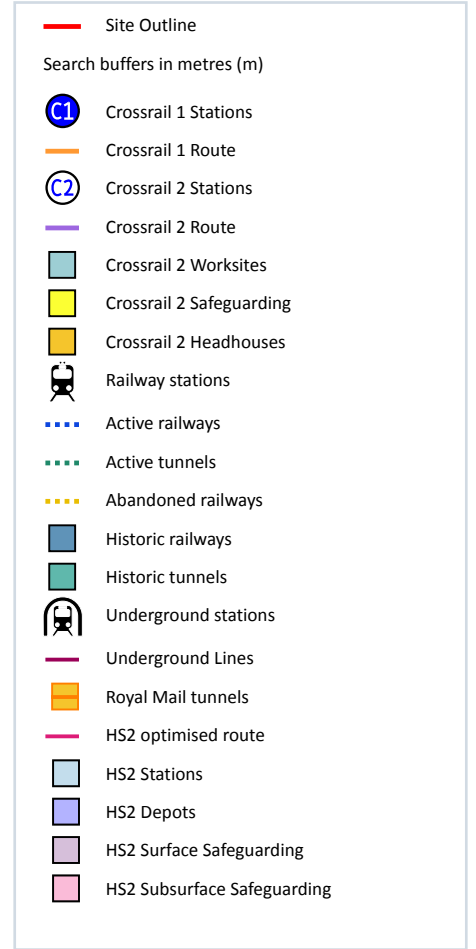
0

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



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

14

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 154 >](#)

Location	Land Use	Year of mapping	Mapping scale
198m W	Tramway Sidings	1938	10560
203m W	Tramway Sidings	1932	2500
236m NW	Railway	1918	-
236m NW	Railway	1932	-
236m NW	Railway	1893	-
236m NW	Railway	1907	-
243m NW	Railway Sidings	1948	10560
245m NW	Railway Sidings	1938	10560
246m NW	Railway Sidings	1965	10560
246m NW	Railway Sidings	1956	10560
246m NW	Railway Sidings	1975	10000
247m NW	Railway Sidings	1905	10560
248m NW	Railway Sidings	1889	10560
249m NW	Railway Sidings	1960	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/ ↗.

