APPENDIX A

Enviro+GeoInsight Report

Groundsure LOCATION INTELLIGENCE

Enviro+Geo Insight

32 Queens Road, Barnsley

Order Details

Date: 05/05/2025

Your ref: EMS_1022943_1277044

Our Ref: EMS-1022943_1292605

Site Details

Location: 434898 406474

Area: 0.12 ha

Authority: Barnsley Metropolitan Borough Council ↗

Contact us with any questions at:
info@groundsure.com ↗
01273 257 755

Certified B Corporation

Summary of findings

Page	Section	Past land use >	On site	0-50m	50-250m	250-500m	500-2000m
15 >	1.1 >	Historical industrial land uses >	0	0	85	74	-
21 >	1.2 >	Historical tanks >	0	0	8	11	-
22 >	1.3 >	Historical energy features >	0	1	14	30	-
24	1.4	Historical petrol stations	0	0	0	0	-
25 >	1.5 >	Historical garages >	0	0	0	28	-
26	1.6	Historical military land	0	0	0	0	-
Page	Section	Past land use - un-grouped >	On site	0-50m	50-250m	250-500m	500-2000m
27 >	2.1 >	Historical industrial land uses >	0	0	112	90	-
35 >	2.2 >	Historical tanks >	0	0	13	12	-
36 >	2.3 >	Historical energy features >	0	1	22	52	-
39	2.4	Historical petrol stations	0	0	0	0	-
39 >	2.5 >	Historical garages >	0	0	0	40	-
Page	Section	Waste and landfill >	On site	0-50m	50-250m	250-500m	500-2000m
42	3.1	Active or recent landfill	0	0	0	0	-
42	3.2	Historical landfill (BGS records)	0	0	0	0	-
43	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
43 >	3.4 >	Historical landfill (EA/NRW records) >	0	0	0	1	-
43 >	3.5 >	Historical waste sites >	0	0	3	0	-
44 >	3.6 >	Licensed waste sites >	0	0	1	0	-
44 >	3.7 >	Waste exemptions >	0	0	2	5	-
Page	Section	Current industrial land use >	On site	0-50m	50-250m	250-500m	500-2000m
46 >	4.1 >	Recent industrial land uses >	0	0	15	-	-
48 >	4.2 >	Current or recent petrol stations >	0	0	0	1	-
48	4.3	Electricity cables	0	0	0	0	-
48	4.4	Gas pipelines	0	0	0	0	-
48	4.5	Sites determined as Contaminated Land	0	0	0	0	-

48	4.6	Control of Major Accident Hazards (COMAH)	0	0	0	0	-
49	4.7	Regulated explosive sites	0	0	0	0	-
49	4.8	Hazardous substance storage/usage	0	0	0	0	-
49	4.9	Historical licensed industrial activities (IPC)	0	0	0	0	-
49	4.10	Licensed industrial activities (Part A(1))	0	0	0	0	-
49 >	**4.11 >**	**Licensed pollutant release (Part A(2)/B) >**	0	0	0	5	-
50	4.12	Radioactive Substance Authorisations	0	0	0	0	-
50 >	**4.13 >**	**Licensed Discharges to controlled waters >**	0	0	2	8	-
52	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
52	4.15	Pollutant release to public sewer	0	0	0	0	-
52	4.16	List 1 Dangerous Substances	0	0	0	0	-
53	4.17	List 2 Dangerous Substances	0	0	0	0	-
53 >	**4.18 >**	**Pollution Incidents (EA/NRW) >**	0	0	0	1	-
53	4.19	Pollution inventory substances	0	0	0	0	-
53	4.20	Pollution inventory waste transfers	0	0	0	0	-
54	4.21	Pollution inventory radioactive waste	0	0	0	0	-

Page	Section	Hydrogeology	On site	0-50m	50-250m	250-500m	500-2000m
55	5.1	Superficial aquifer	None (within 500m)				
56 >	**5.2 >**	**Bedrock aquifer >**	Identified (within 500m)				
58 >	**5.3 >**	**Groundwater vulnerability >**	Identified (within 50m)				
59	5.4	Groundwater vulnerability- soluble rock risk	None (within 0m)				
59	5.5	Groundwater vulnerability- local information	None (within 0m)				
60 >	**5.6 >**	**Groundwater abstractions >**	0	0	0	1	4
62 >	**5.7 >**	**Surface water abstractions >**	0	0	0	0	4
63 >	**5.8 >**	**Potable abstractions >**	0	0	0	0	4
64	5.9	Source Protection Zones	0	0	0	0	-
65	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-

Page	Section	**Hydrology >**	On site	0-50m	50-250m	250-500m	500-2000m
66 >	**6.1 >**	**Water Network (OS MasterMap) >**	0	0	1	-	-

67	6.2	Surface water features	0	0	0	-	-
67 >	6.3 >	WFD Surface water body catchments >	1	-	-	-	-
67 >	6.4 >	WFD Surface water bodies >	0	0	0	-	-
68 >	6.5 >	WFD Groundwater bodies >	1	-	-	-	-
Page	Section	River and coastal flooding	On site	0-50m	50-250m	250-500m	500-2000m
69	7.1	Risk of flooding from rivers and the sea	None (within 50m)				
69	7.2	Historical Flood Events	0	0	0	-	-
69	7.3	Flood Defences	0	0	0	-	-
70	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
70	7.5	Flood Storage Areas	0	0	0	-	-
71	7.6	Flood Zone 2	None (within 50m)				
71	7.7	Flood Zone 3	None (within 50m)				
Page	Section	Surface water flooding					
72	8.1	Surface water flooding	Negligible (within 50m)				
Page	Section	Groundwater flooding >					
73 >	9.1 >	Groundwater flooding >	Negligible (within 50m)				
Page	Section	Environmental designations >	On site	0-50m	50-250m	250-500m	500-2000m
74	10.1	Sites of Special Scientific Interest (SSSI)	0	0	0	0	0
75	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
75	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
75	10.4	Special Protection Areas (SPA)	0	0	0	0	0
75	10.5	National Nature Reserves (NNR)	0	0	0	0	0
76 >	10.6 >	Local Nature Reserves (LNR) >	0	0	0	0	1
76	10.7	Designated Ancient Woodland	0	0	0	0	0
76	10.8	Biosphere Reserves	0	0	0	0	0
76	10.9	Forest Parks	0	0	0	0	0
77	10.10	Marine Conservation Zones	0	0	0	0	0
77 >	10.11 >	Green Belt >	0	0	0	0	2
77	10.12	Proposed Ramsar sites	0	0	0	0	0

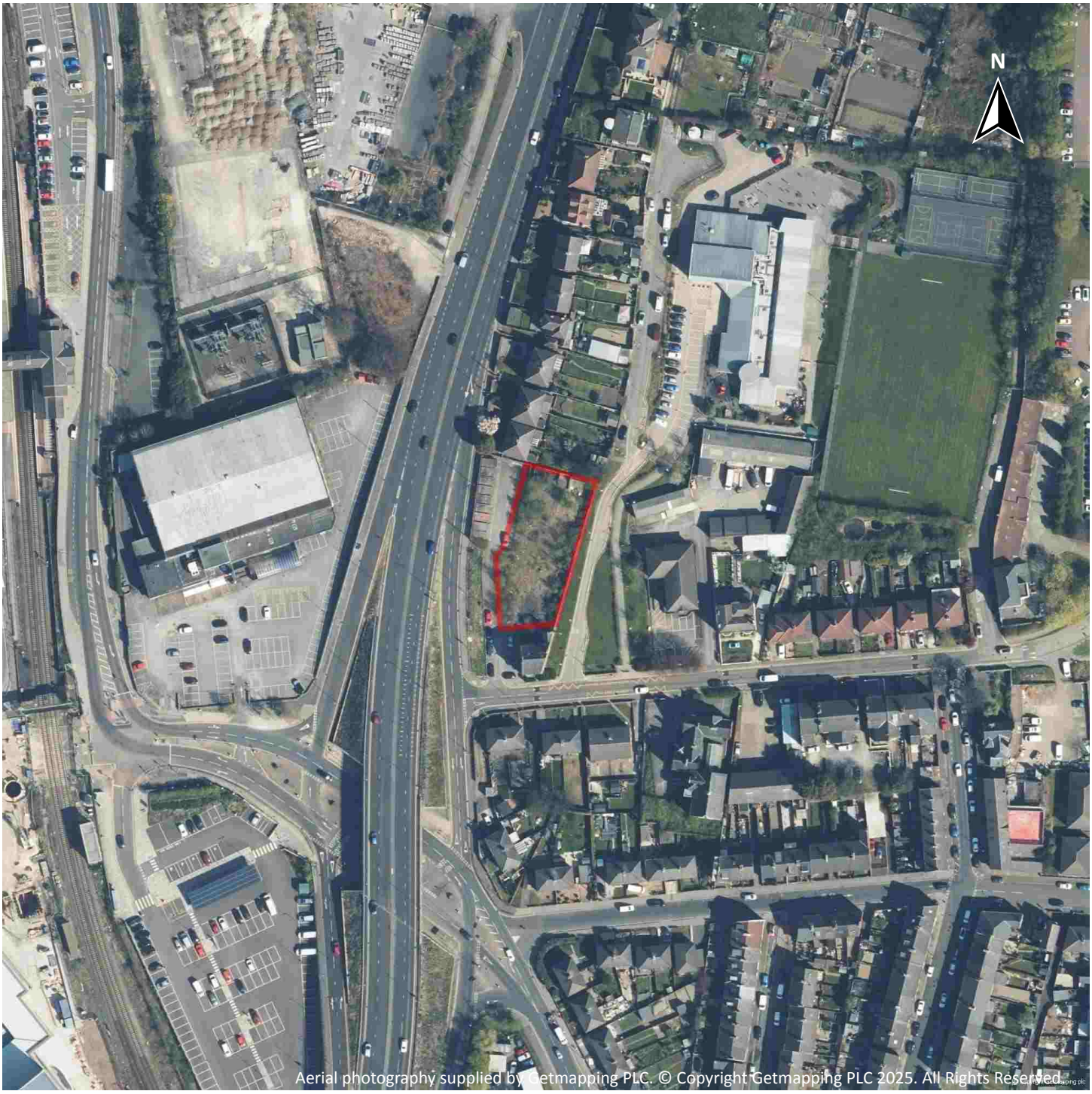
77	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
78	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
78	10.15	Nitrate Sensitive Areas	0	0	0	0	0
78 >	10.16 >	Nitrate Vulnerable Zones >	1	0	0	1	2
79 >	10.17 >	SSSI Impact Risk Zones >	1	-	-	-	-
80	10.18	SSSI Units	0	0	0	0	0
Page	Section	Visual and cultural designations	On site	0-50m	50-250m	250-500m	500-2000m
81	11.1	World Heritage Sites	0	0	0	-	-
81	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
81	11.3	National Parks	0	0	0	-	-
81	11.4	Listed Buildings	0	0	0	-	-
82	11.5	Conservation Areas	0	0	0	-	-
82	11.6	Scheduled Ancient Monuments	0	0	0	-	-
82	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	Agricultural designations >	On site	0-50m	50-250m	250-500m	500-2000m
83 >	12.1 >	Agricultural Land Classification >	Urban (within 250m)				
84	12.2	Open Access Land	0	0	0	-	-
84	12.3	Tree Felling Licences	0	0	0	-	-
84	12.4	Environmental Stewardship Schemes	0	0	0	-	-
84	12.5	Countryside Stewardship Schemes	0	0	0	-	-
Page	Section	Habitat designations >	On site	0-50m	50-250m	250-500m	500-2000m
85	13.1	Priority Habitat Inventory	0	0	0	-	-
85	13.2	Habitat Networks	0	0	0	-	-
86 >	13.3 >	Open Mosaic Habitat >	0	0	1	-	-
86	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
87 >	14.1 >	10k Availability >	Identified (within 500m)				
88 >	14.2 >	Artificial and made ground (10k) >	0	0	3	8	-
90	14.3	Superficial geology (10k)	0	0	0	0	-

90	14.4	Landslip (10k)	0	0	0	0	-
91 >	14.5 >	Bedrock geology (10k) >	2	1	6	11	-
93 >	14.6 >	Bedrock faults and other linear features (10k) >	0	3	6	13	-
Page	Section	**Geology 1:50,000 scale** >	On site	0-50m	50-250m	250-500m	500-2000m
94 >	15.1 >	50k Availability >	Identified (within 500m)				
95 >	15.2 >	Artificial and made ground (50k) >	0	0	1	3	-
96	15.3	Artificial ground permeability (50k)	0	0	-	-	-
97	15.4	Superficial geology (50k)	0	0	0	0	-
97	15.5	Superficial permeability (50k)	None (within 50m)				
97	15.6	Landslip (50k)	0	0	0	0	-
97	15.7	Landslip permeability (50k)	None (within 50m)				
98 >	15.8 >	Bedrock geology (50k) >	2	0	1	1	-
99 >	15.9 >	Bedrock permeability (50k) >	Identified (within 50m)				
99 >	15.10 >	Bedrock faults and other linear features (50k) >	0	2	2	4	-
Page	Section	**Boreholes** >	On site	0-50m	50-250m	250-500m	500-2000m
100 >	16.1 >	BGS Boreholes >	12	2	123	-	-
Page	Section	**Natural ground subsidence** >					
107 >	17.1 >	Shrink swell clays >	Very low (within 50m)				
108 >	17.2 >	Running sands >	Negligible (within 50m)				
109 >	17.3 >	Compressible deposits >	Negligible (within 50m)				
110 >	17.4 >	Collapsible deposits >	Very low (within 50m)				
111 >	17.5 >	Landslides >	Low (within 50m)				
113 >	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
115 >	18.1 >	BritPits >	0	0	0	5	-
117 >	18.2 >	Surface ground workings >	0	0	30	-	-
118 >	18.3 >	Underground workings >	0	0	5	0	9
119	18.4	Underground mining extents	0	0	0	0	-
119	18.5	Historical Mineral Planning Areas	0	0	0	0	-

120 >	18.6 >	Non-coal mining >	1	0	2	0	9
121	18.7	JPB mining areas	None (within 0m)				
121	18.8	The Coal Authority non-coal mining	0	0	0	0	-
122	18.9	Researched mining	0	0	0	0	-
122	18.10	Mining record office plans	0	0	0	0	-
122	18.11	BGS mine plans	0	0	0	0	-
122 >	18.12 >	Coal mining >	Identified (within 0m)				
123	18.13	Brine areas	None (within 0m)				
123	18.14	Gypsum areas	None (within 0m)				
123	18.15	Tin mining	None (within 0m)				
123	18.16	Clay mining	None (within 0m)				
Page	Section	Ground cavities and sinkholes	On site	0-50m	50-250m	250-500m	500-2000m
124	19.1	Natural cavities	0	0	0	0	-
124	19.2	Mining cavities	0	0	0	0	0
124	19.3	Reported recent incidents	0	0	0	0	-
124	19.4	Historical incidents	0	0	0	0	-
Page	Section	Radon >					
126 >	20.1 >	Radon >	Between 1% and 3% (within 0m)				
Page	Section	Soil chemistry >	On site	0-50m	50-250m	250-500m	500-2000m
128 >	21.1 >	BGS Estimated Background Soil Chemistry >	2	0	-	-	-
128	21.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
128	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
129	22.1	Underground railways (London)	0	0	0	-	-
129	22.2	Underground railways (Non-London)	0	0	0	-	-
130	22.3	Railway tunnels	0	0	0	-	-
130 >	22.4 >	Historical railway and tunnel features >	0	0	38	-	-
131	22.5	Royal Mail tunnels	0	0	0	-	-
132	22.6	Historical railways	0	0	0	-	-

132 >	**22.7 >**	**Railways >**	0	0	11	-	-
132	22.8	Crossrail 2	0	0	0	0	-
133	22.9	HS2	0	0	0	0	-

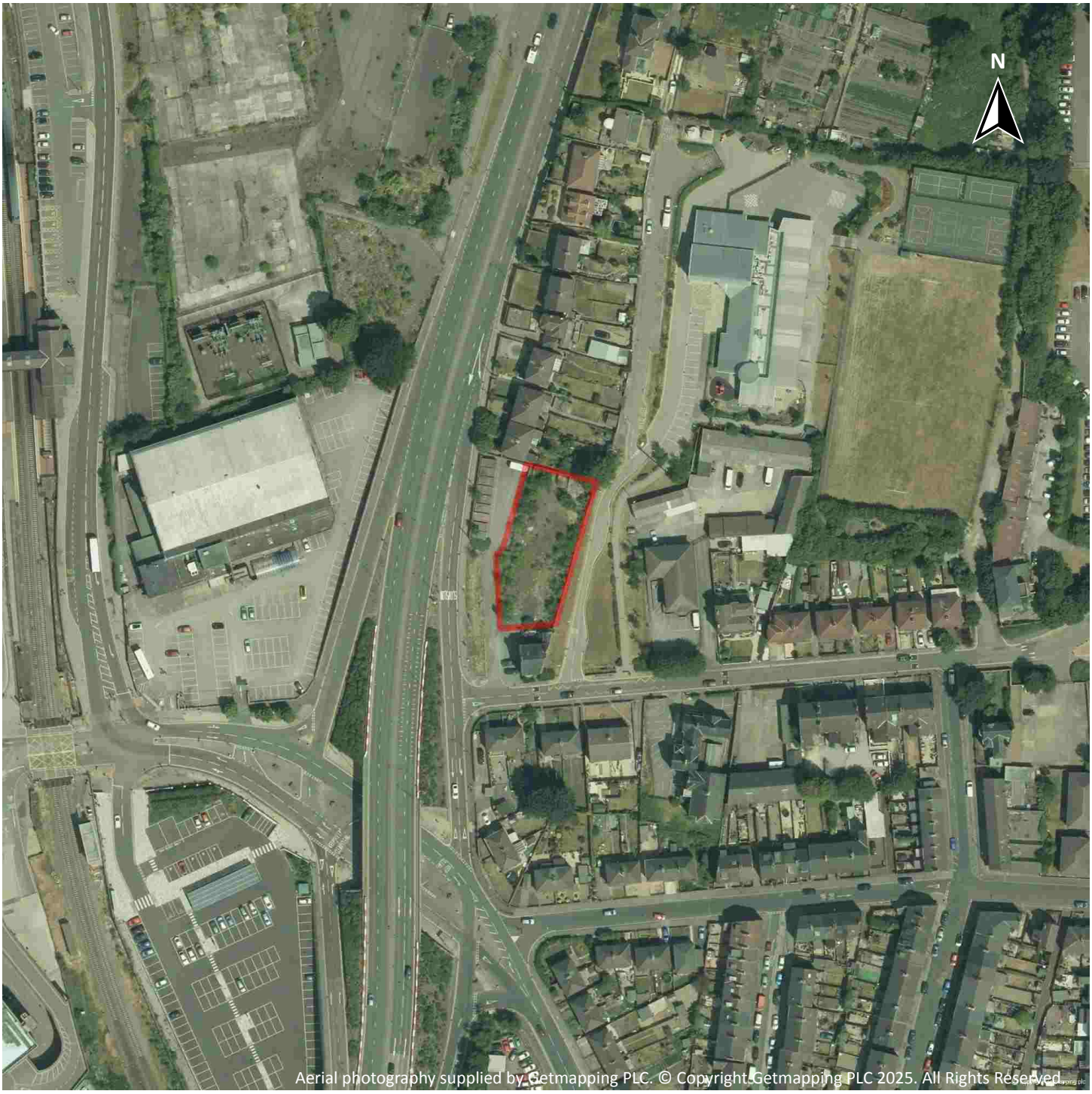
Recent aerial photograph



Capture Date: 19/04/2021

Site Area: 0.12ha

Recent site history - 2018 aerial photograph



Capture Date: 01/07/2018

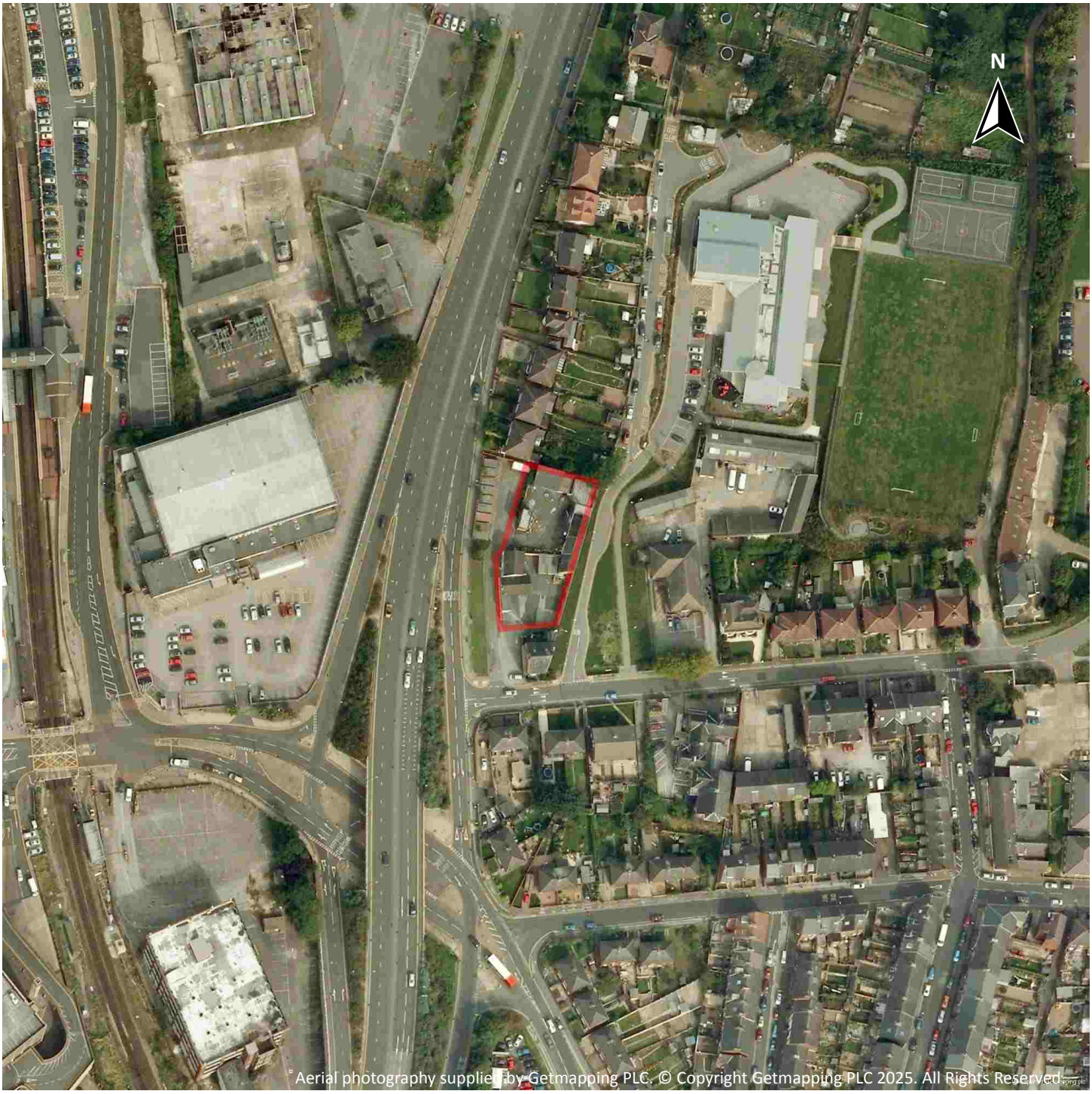
Site Area: 0.12ha

Recent site history - 2012 aerial photograph

Capture Date: 26/03/2012

Site Area: 0.12ha

Recent site history - 2009 aerial photograph



Capture Date: 11/09/2009

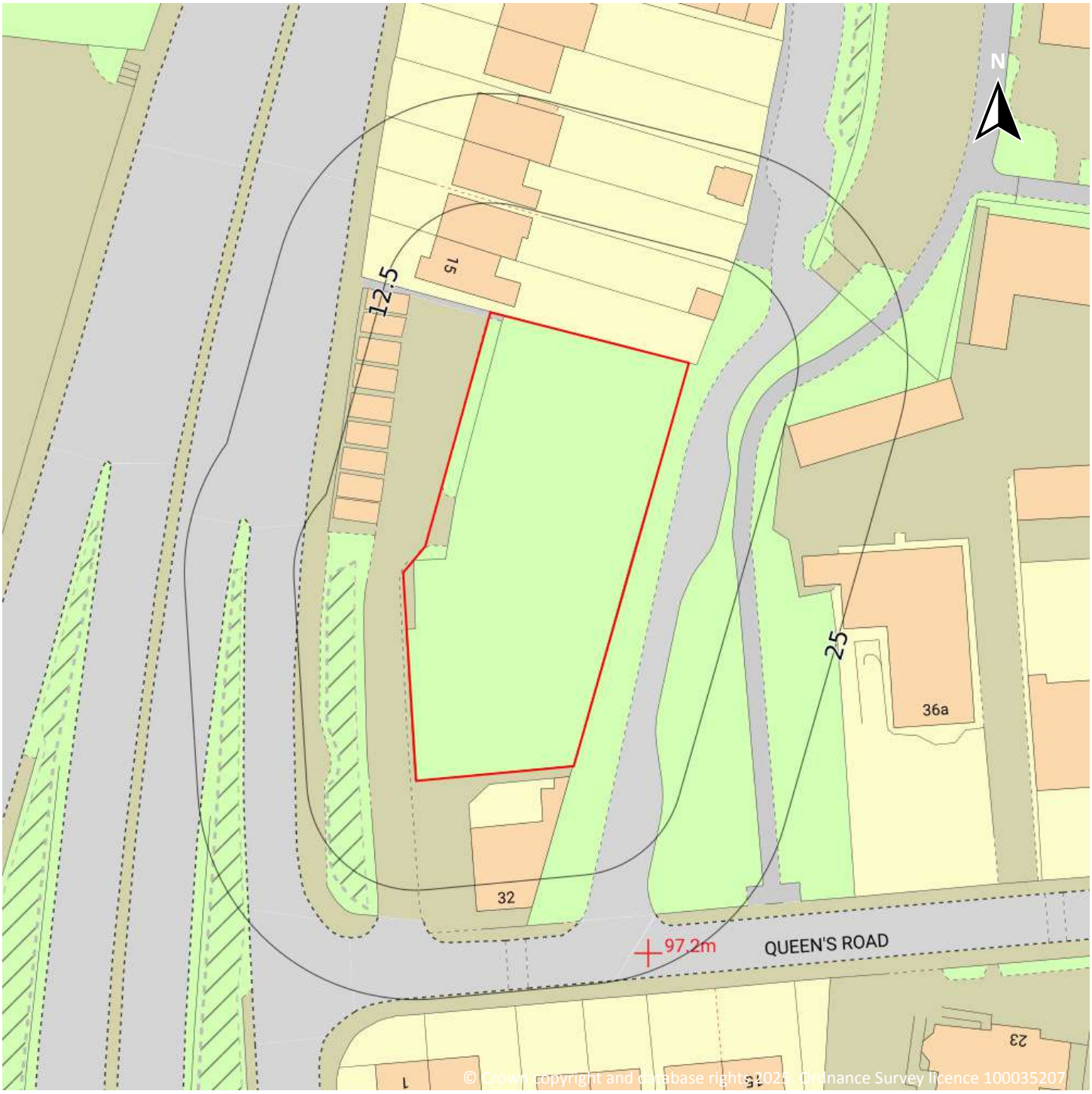
Site Area: 0.12ha

Recent site history - 1999 aerial photograph

Capture Date: 10/07/1999

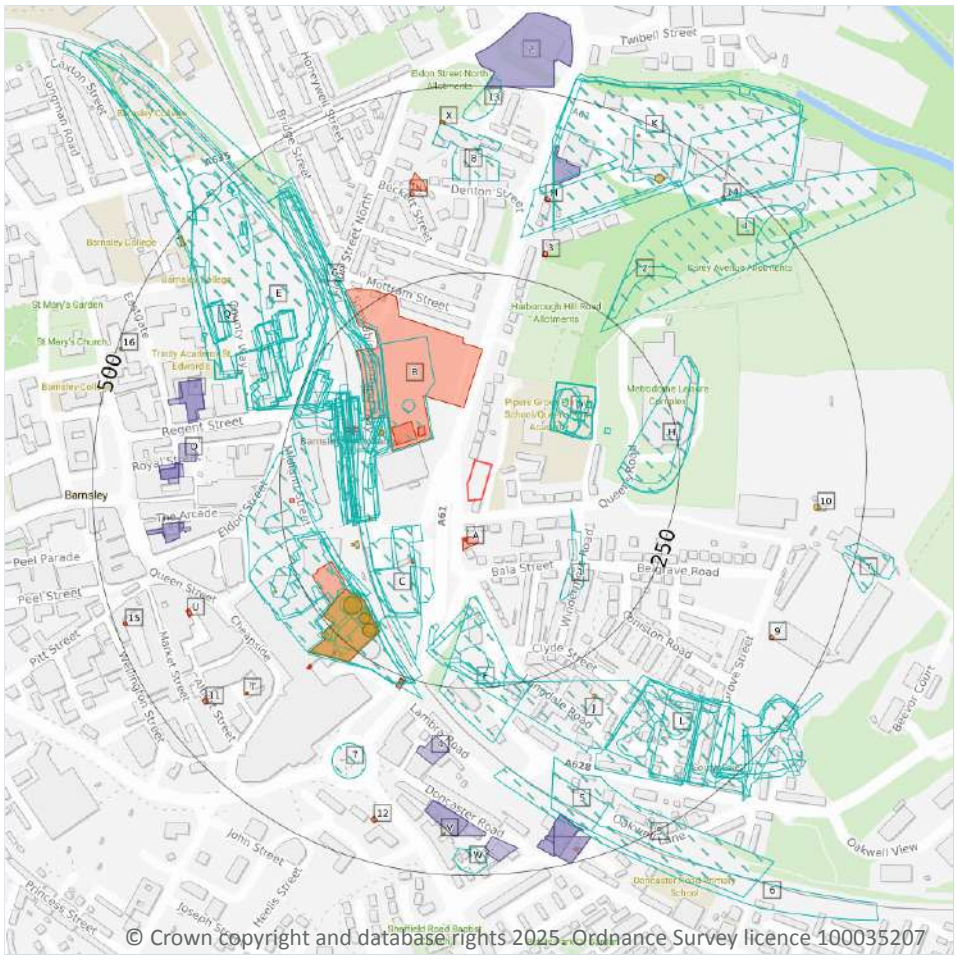
Site Area: 0.12ha

OS MasterMap site plan



Site Area: 0.12ha

1 Past land use



1.1 Historical industrial land uses

Records within 500m	159

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

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

ID	Location	Land use	Dates present	Group ID
B	62m NW	Unspecified Depot	1973 - 1993	1557302

ID	Location	Land use	Dates present	Group ID
C	72m SW	Lamp Works	1938 - 1948	1568834
C	83m SW	Lamp Works	1956	1517417
D	90m NE	Colliery	1948	1504179
D	91m NE	Colliery	1938	1571314
D	95m NE	Colliery	1955	1505679
C	96m SW	Unspecified Works	1982 - 1993	1524070
D	99m NE	Unspecified Heap	1966 - 1992	1482706
C	104m SW	Unspecified Heap	1904	1468584
D	105m NE	Refuse Heap	1948 - 1955	1582688
B	106m NW	Unspecified Tank	1890	1473864
D	110m NE	Refuse Heaps	1938	1571064
B	113m W	Railway Sidings	1948	1542581
E	113m W	Railway Sidings	1966	1490158
E	114m W	Railway Sidings	1956	1509454
1	119m E	Unspecified Quarry	1890	1465172
D	121m NE	Railway Sidings	1948 - 1955	1578579
D	121m NE	Railway Sidings	1938	1561016
B	123m W	Railway Building	1966 - 1973	1503898
D	124m NE	Unspecified Tank	1938 - 1948	1510426
E	126m W	Railway Sidings	1938	1572321
B	127m NW	Unspecified Tank	1904	1473862
F	127m S	Unspecified Works	1982	1532147
B	128m W	Railway Sidings	1973 - 1982	1548560
B	130m W	Railway Building	1966 - 1973	1535882
B	132m W	Railway Building	1956	1531723
B	134m W	Railway Buildings	1938	1436217
B	135m W	Railway Building	1948	1490460
G	135m NW	Railway Sidings	1850 - 1993	1563051

ID	Location	Land use	Dates present	Group ID
B	139m W	Railway Sidings	1890	1522165
F	140m S	Unspecified Ground Workings	1904	1488529
D	142m NE	Disused Air Shaft	1966	1434007
B	145m W	Railway Building	1904	1476732
B	145m W	Railway Sidings	1904	1501366
D	147m NE	Unspecified Drift	1948	1442426
D	148m NE	Drift	1938	1552605
B	149m W	Railway Sidings	1850	1540402
F	149m S	Refuse Heap	1890	1435439
B	151m W	Railway Building	1956	1489811
B	154m W	Railway Station	1956	1543603
B	155m W	Railway Building	1890 - 1904	1481957
B	155m W	Railway Station	1850	1568911
D	156m E	Unspecified Drift	1955	1442424
B	156m W	Railway Building	1948	1557278
B	158m W	Railway Station	1938	1492439
B	158m W	Railway Station	1973 - 1993	1561732
B	159m W	Railway Station	1966	1486080
B	160m W	Bus Station	1982	1479282
B	162m W	Railway Station	1948	1563419
B	162m W	Railway Station	1904	1573070
B	163m NW	Railway Building	1904	1476730
H	168m E	Unspecified Heap	1938	1567449
H	168m E	Unspecified Ground Workings	1948	1440881
F	170m S	Unspecified Ground Workings	1973	1482461
B	174m W	Railway Station	1890	1580768
B	179m SW	Railway Sidings	1948 - 1956	1532490
B	185m SW	Cuttings	1850	1433724

ID	Location	Land use	Dates present	Group ID
B	185m SW	Unspecified Commercial/Industrial	1956	1550647
B	186m SW	Unspecified Commercial/Industrial	1890	1570420
B	188m SW	Unspecified Commercial/Industrial	1938	1506058
B	189m SW	Unspecified Tank	1956	1504499
B	191m SW	Unspecified Commercial/Industrial	1948	1489786
B	194m SW	Unspecified Commercial/Industrial	1904	1569205
B	194m SW	Unspecified Tank	1938 - 1948	1490370
F	195m S	Unspecified Pit	1890	1452800
B	195m W	Railway Buildings	1966	1436216
B	196m SW	Unspecified Tanks	1890	1443935
B	199m SW	Unspecified Works	1973	1460697
B	201m SW	Unspecified Tank	1890 - 1904	1537336
B	203m NW	Railway Buildings	1956	1540160
B	203m NW	Railway Buildings	1966	1545140
B	204m NW	Railway Buildings	1938	1483966
B	204m NW	Railway Building	1948	1476728
B	209m SW	Unspecified Tank	1904	1473869
F	215m S	Unspecified Ground Workings	1966	1497144
B	220m NW	Railway Building	1904	1493648
B	220m NW	Railway Building	1948	1539770
F	221m S	Unspecified Works	1993	1497678
B	224m NW	Railway Building	1890	1551250
I	229m NE	Unspecified Heap	1938	1491936
B	232m W	Unspecified Tanks	1948	1443929
B	237m NW	Railway Building	1966 - 1982	1562510
B	239m W	Railway Building	1948	1476727
J	243m S	Metal Works	1904	1479578
2	249m NE	Unspecified Ground Workings	1904	1440882

ID	Location	Land use	Dates present	Group ID
B	254m SW	Unspecified Tanks	1948	1443930
E	259m NW	Railway Station	1956	1481676
E	259m NW	Railway Station	1966	1509340
E	260m NW	Railway Station	1890	1495639
E	261m NW	Railway Sidings	1850	1550116
E	262m NW	Railway Station	1938 - 1948	1522383
E	264m NW	Railway Station	1904	1523639
E	268m NW	Railway Sidings	1890 - 1904	1536348
E	268m NW	Railway Sidings	1948	1554045
E	287m NW	Railway Buildings	1890	1436218
E	288m NW	Railway Building	1956	1506407
E	288m NW	Railway Building	1966	1582234
E	288m NW	Railway Building	1938 - 1948	1502593
E	290m NW	Railway Building	1904	1578563
E	295m NW	Railway Building	1850	1532653
K	304m N	Glass Works	1904	1555134
E	310m NW	Railway Building	1904	1518983
G	317m NW	Railway Building	1948	1476729
L	318m SE	Unspecified Depot	1974	1542675
K	323m N	Unspecified Works	1966	1459959
L	328m SE	Sanitary Depot	1948 - 1955	1501867
L	330m SE	Unspecified Quarry	1890	1465156
L	330m SE	Sanitary Depot	1938	1528170
K	334m N	Glass Works	1955	1570468
L	338m SE	Unspecified Heap	1904	1468586
E	338m NW	Railway Building	1966	1476726
L	355m SE	Unspecified Depot	1982	1492173
5	357m S	Railway Sidings	1966	1479618

ID	Location	Land use	Dates present	Group ID
6	359m S	Cuttings	1850	1486375
7	359m SW	Unspecified Pit	1982 - 1993	1521042
L	364m SE	Sandstone Quarry	1850	1444886
Q	364m NW	Railway Building	1956	1507046
Q	364m NW	Railway Building	1966	1532530
K	365m N	Glass Works	1938 - 1948	1525208
Q	366m NW	Railway Building	1938	1520005
Q	368m NW	Railway Building	1890 - 1904	1505975
Q	368m NW	Railway Building	1948	1511980
E	369m NW	Railway Building	1938	1476734
8	373m N	Unspecified Depot	1993	1445538
S	378m S	Cuttings	1966	1545112
Q	393m NW	Railway Building	1890	1476736
L	394m SE	Unspecified Quarry	1890	1548382
L	396m SE	Unspecified Depot	1992	1549343
L	398m SE	Unspecified Depot	1966	1564574
E	410m NW	Cuttings	1890	1433717
E	416m NW	Railway Buildings	1938 - 1948	1539694
E	428m NW	Railway Building	1938	1476733
E	431m NW	Railway Building	1904	1476731
L	431m SE	Unspecified Ground Workings	1904	1561927
K	433m NE	Colliery	1850	1469149
I	449m NE	Unspecified Quarry	1890 - 1904	1570630
13	452m N	Unspecified Pit	1956	1452780
E	452m NW	Railway Building	1890	1476735
L	464m SE	Unspecified Quarry	1904	1525434
W	464m S	Unspecified Quarry	1850	1465177
L	465m SE	Unspecified Ground Workings	1955	1546871

ID	Location	Land use	Dates present	Group ID
L	467m SE	Unspecified Quarry	1955	1511087
L	469m SE	Unspecified Ground Workings	1938	1516100
I	471m NE	Sandstone Quarry	1850	1444885
L	472m SE	Unspecified Heap	1948	1576873
L	473m SE	Unspecified Quarry	1938 - 1948	1582341
E	475m NW	Railway Building	1966	1579151
E	479m NW	Railway Building	1966	1476725
E	481m NW	Railway Building	1948	1554289
E	481m NW	Railway Building	1890 - 1904	1577626
E	482m NW	Unspecified Tanks	1904	1443931
Y	483m E	Unspecified Heap	1904	1552466
Y	484m E	Unspecified Heap	1966 - 1992	1510303
E	491m NW	Unspecified Heap	1993	1468583
E	491m NW	Unspecified Tank	1938	1473861
E	497m NW	Railway Building	1938	1546431
E	499m NW	Railway Building	1948	1516164
E	499m NW	Railway Building	1890 - 1904	1552038
L	499m SE	Unspecified Ground Workings	1992	1507429

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m	**19**

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

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

ID	Location	Land use	Dates present	Group ID
B	126m NW	Unspecified Tank	1893 - 1906	253616
B	133m W	Unspecified Tank	1977	242697
B	157m SW	Unspecified Tank	1961 - 1962	258697
B	164m SW	Unspecified Tank	1906	242698
B	192m SW	Gas Works	1893 - 1906	247951
B	197m SW	Gasometer	1893 - 1906	258098
B	202m SW	Gasometer	1893	237311
B	209m SW	Gasometer	1893 - 1906	259553
B	283m SW	Unspecified Tank	1906	242995
J	299m SE	Unspecified Tank	1892	242702
10	433m E	Unspecified Tank	1999	242985
K	437m NE	Unspecified Tank	1892	242700
V	443m S	Unspecified Tank	1987 - 1991	253717
X	451m N	Unspecified Tank	1987	247584
X	451m N	Unspecified Tank	1972	259229
X	451m N	Unspecified Tank	1986	257683
K	479m NE	Unspecified Tank	1892	242699
E	481m NW	Tanks	1906	235992
16	494m W	Unspecified Tank	1893	242993

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m	**45**

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

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

ID	Location	Land use	Dates present	Group ID
A	49m S	Electricity Substation	1977	153577
A	51m S	Electricity Substation	1996	149672
A	51m S	Electricity Substation	1991	145646
A	51m S	Electricity Substation	1987	149164
B	65m NW	Electricity Board Depot	1972	144882
B	74m NW	Electricity Substation	1986	143035
B	82m NW	Electricity Substation	1987	143029
C	106m SW	Gas Governor	1996	161166
C	107m SW	Gas Governor	1977 - 1991	159205
B	192m SW	Gas Works	1893 - 1906	151945
B	197m SW	Gasometer	1893 - 1906	153905
B	197m SW	Electricity Works	1906	144680
B	202m SW	Gasometer	1893	141912
B	209m SW	Gasometer	1893 - 1906	156435
B	232m W	Electricity Substation	1977 - 1996	146132
B	253m S	Gas Governor	1996	162049
B	254m S	Electricity Substation	1977	143031
B	254m S	Gas Governor	1987 - 1991	152994
B	269m SW	Electricity Substation	1996	143023
3	287m N	Electricity Substation	1972 - 1987	156838
B	304m SW	Electricity Substation	1996	149823
B	305m SW	Electricity Substation	1987 - 1991	145264
B	308m SW	Electricity Substation	1977	152045
E	332m NW	Electricity Substation	1972 - 1987	151804
M	359m N	Electricity Substation	1987	143030
N	362m N	Electricity Substation	1986	143994
N	365m N	Electricity Substation	1987	143028
T	389m SW	Electricity Substation	1996	156681

ID	Location	Land use	Dates present	Group ID
T	391m SW	Electricity Substation	1991	154918
T	391m SW	Electricity Substation	1987	157050
T	391m SW	Electricity Substation	1977	150664
U	398m SW	Electricity Substation	1987 - 1996	149422
U	399m SW	Electricity Substation	1977	148800
R	406m W	Electricity Substation	1993	160722
R	406m W	Electricity Substation	1968 - 1991	150986
9	425m SE	Electricity Substation	1996 - 1999	145978
11	438m SW	Electricity Substation	1977 - 1996	158593
12	439m S	Electricity Substation	1977 - 1996	146223
14	469m NE	Electricity Substation	1989 - 1990	161315
S	481m S	Electricity Substation	1988	147930
S	481m S	Electricity Substation	1988	149998
S	481m S	Electricity Substation	1988	154449
S	482m S	Electricity Substation	1993	145752
S	482m S	Electricity Substation	1997	162015
15	484m W	Electricity Substation	1991 - 1993	145873

This data is sourced from Ordnance Survey / Groundsure.

1.4 Historical petrol stations

Records within 500m	0

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

This data is sourced from Ordnance Survey / Groundsure.

1.5 Historical garages

Records within 500m	28

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

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

ID	Location	Land use	Dates present	Group ID
4	317m S	Garage	1961 - 1962	46784
O	363m W	Garage	1972	45598
P	364m W	Garage	1961	48129
P	364m W	Garage	1972	51557
P	364m W	Garage	1962	51051
R	373m W	Garage	1962	50634
O	378m W	Garage	1962	50402
R	381m W	Garage	1961	51822
M	382m N	Garage	1983	48017
M	382m N	Garage	1989	51778
O	384m W	Garage	1993	46623
O	384m W	Garage	1961	46711
O	384m W	Garage	1968 - 1984	49873
O	385m W	Garage	1981 - 1982	48576
O	385m W	Garage	1991	46888
R	387m W	Garage	1962	47086
V	402m S	Garage	1962	51825
V	403m S	Garage	1961	46338
S	433m S	Garage	1988 - 1993	47473
S	433m S	Garage	1985 - 1986	47884
S	434m S	Garage	1996 - 1999	50094

ID	Location	Land use	Dates present	Group ID
S	445m S	Garage	1996	46739
S	446m S	Garage	1987	47231
W	449m S	Garage	1986 - 1996	48480
S	457m S	Garage	1996	49352
S	460m S	Garage	1997	50754
Z	499m N	Garage	1970	47936
Z	499m N	Garage	1973	51887

This data is sourced from Ordnance Survey / Groundsure.

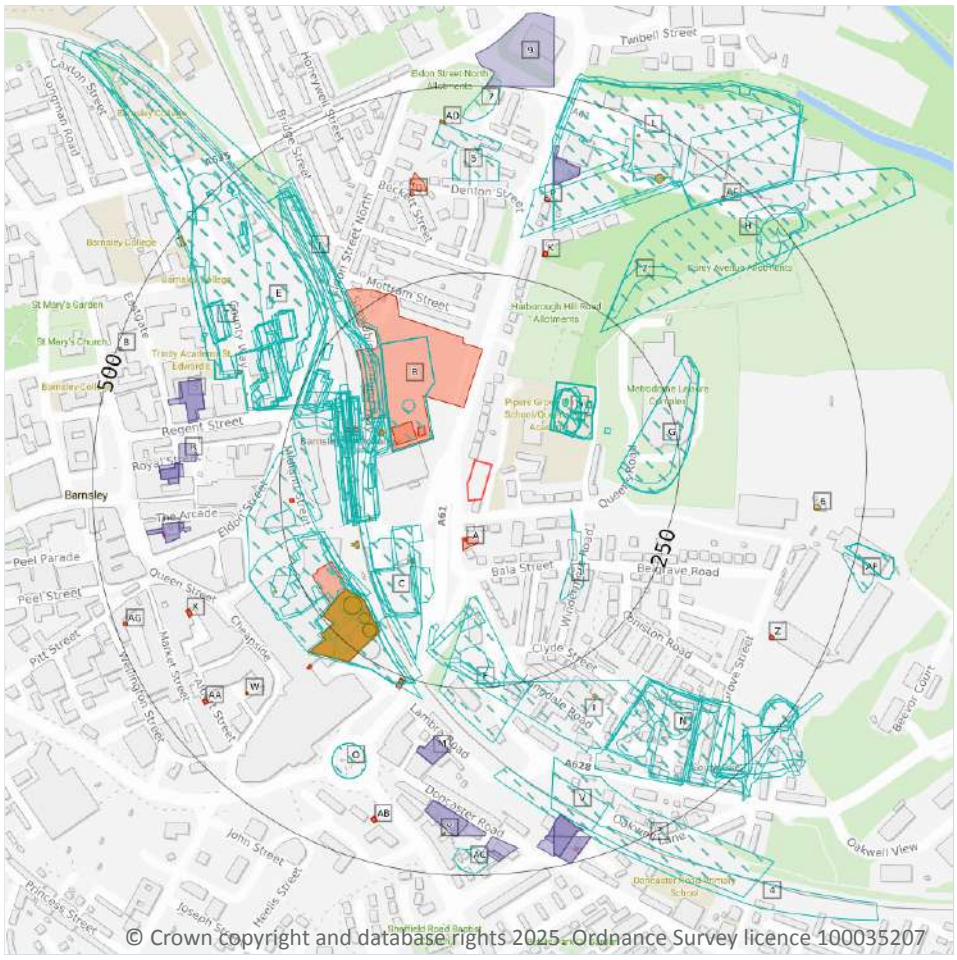
1.6 Historical military land

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	202

Potentially contaminative land use features digitised from historical Ordnance Survey mapping at 1:10,000 and 10,560 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on **page 27 >**

ID	Location	Land Use	Date	Group ID
B	62m NW	Unspecified Depot	1993	1557302
B	62m NW	Unspecified Depot	1973	1557302
B	62m NW	Unspecified Depot	1982	1557302

ID	Location	Land Use	Date	Group ID
C	72m SW	Lamp Works	1948	1568834
C	83m SW	Lamp Works	1956	1517417
D	90m NE	Colliery	1948	1504179
D	91m NE	Colliery	1938	1571314
D	91m NE	Colliery	1938	1571314
D	95m NE	Colliery	1955	1505679
C	96m SW	Unspecified Works	1993	1524070
C	96m SW	Unspecified Works	1982	1524070
D	99m NE	Unspecified Heap	1992	1482706
D	99m NE	Unspecified Heap	1982	1482706
D	99m NE	Unspecified Heap	1974	1482706
D	99m NE	Unspecified Heap	1966	1482706
C	104m SW	Unspecified Heap	1904	1468584
D	105m NE	Refuse Heap	1955	1582688
D	106m NE	Refuse Heap	1948	1582688
B	106m NW	Unspecified Tank	1890	1473864
C	107m SW	Lamp Works	1938	1568834
D	110m NE	Refuse Heaps	1938	1571064
D	110m NE	Refuse Heaps	1938	1571064
B	113m W	Railway Sidings	1948	1542581
E	113m W	Railway Sidings	1966	1490158
E	114m W	Railway Sidings	1956	1509454
1	119m E	Unspecified Quarry	1890	1465172
D	121m NE	Railway Sidings	1955	1578579
D	121m NE	Railway Sidings	1938	1561016
B	123m W	Railway Building	1973	1503898
B	123m W	Railway Building	1966	1503898
D	124m NE	Unspecified Tank	1948	1510426

ID	Location	Land Use	Date	Group ID
D	124m NE	Railway Sidings	1948	1578579
E	126m W	Railway Sidings	1938	1572321
D	126m NE	Unspecified Tank	1938	1510426
B	127m NW	Unspecified Tank	1904	1473862
F	127m S	Unspecified Works	1982	1532147
B	128m W	Railway Sidings	1973	1548560
B	128m W	Railway Sidings	1982	1548560
B	130m W	Railway Building	1973	1535882
B	130m W	Railway Building	1966	1535882
B	132m W	Railway Building	1956	1531723
B	134m W	Railway Buildings	1938	1436217
B	135m W	Railway Building	1948	1490460
B	135m NW	Railway Sidings	1850	1563051
B	139m W	Railway Sidings	1890	1522165
F	140m S	Unspecified Ground Workings	1904	1488529
D	142m NE	Disused Air Shaft	1966	1434007
B	145m W	Railway Sidings	1904	1501366
B	145m W	Railway Building	1904	1476732
D	147m NE	Unspecified Drift	1948	1442426
D	148m NE	Drift	1938	1552605
D	148m NE	Drift	1938	1552605
B	149m W	Railway Sidings	1850	1540402
F	149m S	Refuse Heap	1890	1435439
B	151m W	Railway Building	1956	1489811
B	154m W	Railway Station	1956	1543603
B	155m W	Railway Building	1890	1481957
B	155m W	Railway Station	1850	1568911
D	156m E	Unspecified Drift	1955	1442424

ID	Location	Land Use	Date	Group ID
B	156m W	Railway Building	1948	1557278
B	156m W	Railway Building	1904	1481957
B	158m W	Railway Station	1938	1492439
B	158m W	Railway Station	1993	1561732
B	158m W	Railway Station	1973	1561732
B	158m W	Railway Station	1982	1561732
B	159m W	Railway Station	1966	1486080
B	160m W	Bus Station	1982	1479282
B	162m W	Railway Station	1948	1563419
B	162m W	Railway Station	1904	1573070
B	163m NW	Railway Building	1904	1476730
G	168m E	Unspecified Heap	1938	1567449
G	168m E	Unspecified Heap	1938	1567449
G	168m E	Unspecified Ground Workings	1948	1440881
F	170m S	Unspecified Ground Workings	1973	1482461
B	174m W	Railway Station	1890	1580768
B	179m SW	Railway Sidings	1956	1532490
B	185m SW	Cuttings	1850	1433724
B	185m SW	Unspecified Commercial/Industrial	1956	1550647
B	186m SW	Unspecified Commercial/Industrial	1890	1570420
B	188m SW	Unspecified Commercial/Industrial	1938	1506058
B	189m SW	Unspecified Tank	1956	1504499
B	191m SW	Unspecified Commercial/Industrial	1948	1489786
B	191m SW	Railway Sidings	1948	1532490
B	194m SW	Unspecified Commercial/Industrial	1904	1569205
B	194m SW	Unspecified Tank	1938	1490370
F	195m S	Unspecified Pit	1890	1452800
B	195m W	Railway Buildings	1966	1436216

ID	Location	Land Use	Date	Group ID
B	196m SW	Unspecified Tanks	1890	1443935
B	199m SW	Unspecified Works	1973	1460697
B	201m SW	Unspecified Tank	1948	1490370
B	201m SW	Unspecified Tank	1904	1537336
B	201m SW	Unspecified Tank	1890	1537336
B	203m NW	Railway Buildings	1966	1545140
B	203m NW	Railway Buildings	1956	1540160
B	204m NW	Railway Buildings	1938	1483966
B	204m NW	Railway Building	1948	1476728
B	209m SW	Unspecified Tank	1904	1473869
F	215m S	Unspecified Ground Workings	1966	1497144
B	220m NW	Railway Building	1948	1539770
B	220m NW	Railway Building	1904	1493648
F	221m S	Unspecified Works	1993	1497678
B	224m NW	Railway Building	1890	1551250
H	229m NE	Unspecified Heap	1938	1491936
H	229m NE	Unspecified Heap	1938	1491936
B	232m W	Unspecified Tanks	1948	1443929
B	237m NW	Railway Building	1973	1562510
B	237m NW	Railway Building	1966	1562510
B	237m NW	Railway Building	1982	1562510
B	239m W	Railway Building	1948	1476727
I	243m S	Metal Works	1904	1479578
J	243m NW	Railway Sidings	1993	1563051
2	249m NE	Unspecified Ground Workings	1904	1440882
B	254m SW	Unspecified Tanks	1948	1443930
E	259m NW	Railway Station	1966	1509340
E	259m NW	Railway Station	1956	1481676

ID	Location	Land Use	Date	Group ID
E	260m NW	Railway Station	1890	1495639
E	261m NW	Railway Sidings	1850	1550116
E	262m NW	Railway Station	1938	1522383
E	263m NW	Railway Station	1948	1522383
E	264m NW	Railway Station	1904	1523639
E	268m NW	Railway Sidings	1948	1554045
E	268m NW	Railway Sidings	1904	1536348
E	268m NW	Railway Sidings	1890	1536348
E	287m NW	Railway Buildings	1890	1436218
E	288m NW	Railway Building	1966	1582234
E	288m NW	Railway Building	1956	1506407
E	288m NW	Railway Building	1938	1502593
E	290m NW	Railway Building	1948	1502593
E	290m NW	Railway Building	1904	1578563
E	295m NW	Railway Building	1850	1532653
L	304m N	Glass Works	1904	1555134
E	310m NW	Railway Building	1904	1518983
J	317m NW	Railway Building	1948	1476729
N	318m SE	Unspecified Depot	1974	1542675
L	323m N	Unspecified Works	1966	1459959
N	328m SE	Sanitary Depot	1955	1501867
N	330m SE	Unspecified Quarry	1890	1465156
N	330m SE	Sanitary Depot	1938	1528170
N	333m SE	Sanitary Depot	1948	1501867
L	334m N	Glass Works	1955	1570468
N	338m SE	Unspecified Heap	1904	1468586
E	338m NW	Railway Building	1966	1476726
N	355m SE	Unspecified Depot	1982	1492173

ID	Location	Land Use	Date	Group ID
3	357m S	Railway Sidings	1966	1479618
4	359m S	Cuttings	1850	1486375
O	359m SW	Unspecified Pit	1993	1521042
O	359m SW	Unspecified Pit	1982	1521042
N	364m SE	Sandstone Quarry	1850	1444886
T	364m NW	Railway Building	1966	1532530
T	364m NW	Railway Building	1956	1507046
L	365m N	Glass Works	1938	1525208
T	366m NW	Railway Building	1938	1520005
T	368m NW	Railway Building	1948	1511980
T	368m NW	Railway Building	1904	1505975
T	368m NW	Railway Building	1890	1505975
E	369m NW	Railway Building	1938	1476734
5	373m N	Unspecified Depot	1993	1445538
V	378m S	Cuttings	1966	1545112
T	393m NW	Railway Building	1890	1476736
N	394m SE	Unspecified Quarry	1890	1548382
N	396m SE	Unspecified Depot	1992	1549343
N	398m SE	Unspecified Depot	1966	1564574
E	410m NW	Cuttings	1890	1433717
E	416m NW	Railway Buildings	1948	1539694
E	417m NW	Railway Buildings	1938	1539694
L	423m NE	Glass Works	1948	1525208
E	428m NW	Railway Building	1938	1476733
E	431m NW	Railway Building	1904	1476731
N	431m SE	Unspecified Ground Workings	1904	1561927
L	433m NE	Colliery	1850	1469149
H	449m NE	Unspecified Quarry	1904	1570630

ID	Location	Land Use	Date	Group ID
7	452m N	Unspecified Pit	1956	1452780
E	452m NW	Railway Building	1890	1476735
H	455m NE	Unspecified Quarry	1890	1570630
N	464m SE	Unspecified Quarry	1904	1525434
AC	464m S	Unspecified Quarry	1850	1465177
N	465m SE	Unspecified Ground Workings	1955	1546871
N	467m SE	Unspecified Quarry	1955	1511087
N	469m SE	Unspecified Ground Workings	1938	1516100
H	471m NE	Sandstone Quarry	1850	1444885
N	472m SE	Unspecified Heap	1948	1576873
N	472m SE	Unspecified Heap	1948	1576873
N	473m SE	Unspecified Quarry	1948	1582341
N	473m SE	Unspecified Quarry	1938	1582341
E	475m NW	Railway Building	1966	1579151
E	479m NW	Railway Building	1966	1476725
E	481m NW	Railway Building	1948	1554289
E	481m NW	Railway Building	1904	1577626
E	481m NW	Railway Building	1890	1577626
E	482m NW	Unspecified Tanks	1904	1443931
AF	483m E	Unspecified Heap	1904	1552466
AF	484m E	Unspecified Heap	1992	1510303
AF	484m E	Unspecified Heap	1982	1510303
AF	484m E	Unspecified Heap	1974	1510303
AF	484m E	Unspecified Heap	1966	1510303
E	491m NW	Unspecified Heap	1993	1468583
E	491m NW	Unspecified Tank	1938	1473861
E	497m NW	Railway Building	1938	1546431
E	499m NW	Railway Building	1948	1516164

ID	Location	Land Use	Date	Group ID
E	499m NW	Railway Building	1904	1552038
E	499m NW	Railway Building	1890	1552038
N	499m SE	Unspecified Ground Workings	1992	1507429

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m	**25**

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

Features are displayed on the Past land use - un-grouped map on **page 27 >**

ID	Location	Land Use	Date	Group ID
B	126m NW	Unspecified Tank	1893	253616
B	126m NW	Unspecified Tank	1906	253616
B	133m W	Unspecified Tank	1977	242697
B	157m SW	Unspecified Tank	1962	258697
B	157m SW	Unspecified Tank	1961	258697
B	164m SW	Unspecified Tank	1906	242698
B	192m SW	Gas Works	1893	247951
B	192m SW	Gas Works	1906	247951
B	197m SW	Gasometer	1893	258098
B	197m SW	Gasometer	1906	258098
B	202m SW	Gasometer	1893	237311
B	209m SW	Gasometer	1893	259553
B	209m SW	Gasometer	1906	259553
B	283m SW	Unspecified Tank	1906	242995
I	299m SE	Unspecified Tank	1892	242702
6	433m E	Unspecified Tank	1999	242985
L	437m NE	Unspecified Tank	1892	242700

ID	Location	Land Use	Date	Group ID
Y	443m S	Unspecified Tank	1987	253717
Y	443m S	Unspecified Tank	1991	253717
AD	451m N	Unspecified Tank	1972	259229
AD	451m N	Unspecified Tank	1987	247584
AD	451m N	Unspecified Tank	1986	257683
L	479m NE	Unspecified Tank	1892	242699
E	481m NW	Tanks	1906	235992
8	494m W	Unspecified Tank	1893	242993

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m	**75**

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

Features are displayed on the Past land use - un-grouped map on **page 27 >**

ID	Location	Land Use	Date	Group ID
A	49m S	Electricity Substation	1977	153577
A	51m S	Electricity Substation	1996	149672
A	51m S	Electricity Substation	1987	149164
A	51m S	Electricity Substation	1991	145646
B	65m NW	Electricity Board Depot	1972	144882
B	74m NW	Electricity Substation	1986	143035
B	82m NW	Electricity Substation	1987	143029
C	106m SW	Gas Governor	1996	161166
C	107m SW	Gas Governor	1977	159205
C	107m SW	Gas Governor	1987	159205
C	107m SW	Gas Governor	1991	159205
B	192m SW	Gas Works	1893	151945

ID	Location	Land Use	Date	Group ID
B	192m SW	Gas Works	1906	151945
B	197m SW	Gasometer	1893	153905
B	197m SW	Gasometer	1906	153905
B	197m SW	Electricity Works	1906	144680
B	202m SW	Gasometer	1893	141912
B	209m SW	Gasometer	1893	156435
B	209m SW	Gasometer	1906	156435
B	232m W	Electricity Substation	1996	146132
B	232m W	Electricity Substation	1977	146132
B	233m W	Electricity Substation	1987	146132
B	233m W	Electricity Substation	1991	146132
B	253m S	Gas Governor	1996	162049
B	254m S	Electricity Substation	1977	143031
B	254m S	Gas Governor	1987	152994
B	254m S	Gas Governor	1991	152994
B	269m SW	Electricity Substation	1996	143023
K	287m N	Electricity Substation	1986	156838
K	287m N	Electricity Substation	1972	156838
K	287m N	Electricity Substation	1987	156838
B	304m SW	Electricity Substation	1996	149823
B	305m SW	Electricity Substation	1987	145264
B	305m SW	Electricity Substation	1991	145264
B	308m SW	Electricity Substation	1977	152045
E	332m NW	Electricity Substation	1972	151804
E	332m NW	Electricity Substation	1987	151804
E	332m NW	Electricity Substation	1986	151804
P	359m N	Electricity Substation	1987	143030
Q	362m N	Electricity Substation	1986	143994

ID	Location	Land Use	Date	Group ID
Q	365m N	Electricity Substation	1987	143028
W	389m SW	Electricity Substation	1996	156681
W	391m SW	Electricity Substation	1987	157050
W	391m SW	Electricity Substation	1991	154918
W	391m SW	Electricity Substation	1977	150664
X	398m SW	Electricity Substation	1987	149422
X	398m SW	Electricity Substation	1991	149422
X	398m SW	Electricity Substation	1996	149422
X	399m SW	Electricity Substation	1977	148800
U	406m W	Electricity Substation	1993	160722
U	406m W	Electricity Substation	1981	150986
U	406m W	Electricity Substation	1982	150986
U	406m W	Electricity Substation	1991	150986
U	406m W	Electricity Substation	1968	150986
U	406m W	Electricity Substation	1984	150986
Z	425m SE	Electricity Substation	1997	145978
Z	425m SE	Electricity Substation	1996	145978
Z	425m SE	Electricity Substation	1999	145978
AA	438m SW	Electricity Substation	1996	158593
AA	439m SW	Electricity Substation	1987	158593
AA	439m SW	Electricity Substation	1991	158593
AA	439m SW	Electricity Substation	1977	158593
AB	439m S	Electricity Substation	1977	146223
AB	440m S	Electricity Substation	1996	146223
AB	440m S	Electricity Substation	1987	146223
AB	440m S	Electricity Substation	1991	146223
AE	469m NE	Electricity Substation	1989	161315
AE	469m NE	Electricity Substation	1990	161315

ID	Location	Land Use	Date	Group ID
V	481m S	Electricity Substation	1988	147930
V	481m S	Electricity Substation	1988	149998
V	481m S	Electricity Substation	1988	154449
V	482m S	Electricity Substation	1997	162015
V	482m S	Electricity Substation	1993	145752
AG	484m W	Electricity Substation	1991	145873
AG	484m W	Electricity Substation	1993	145873

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	40

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 27 >**

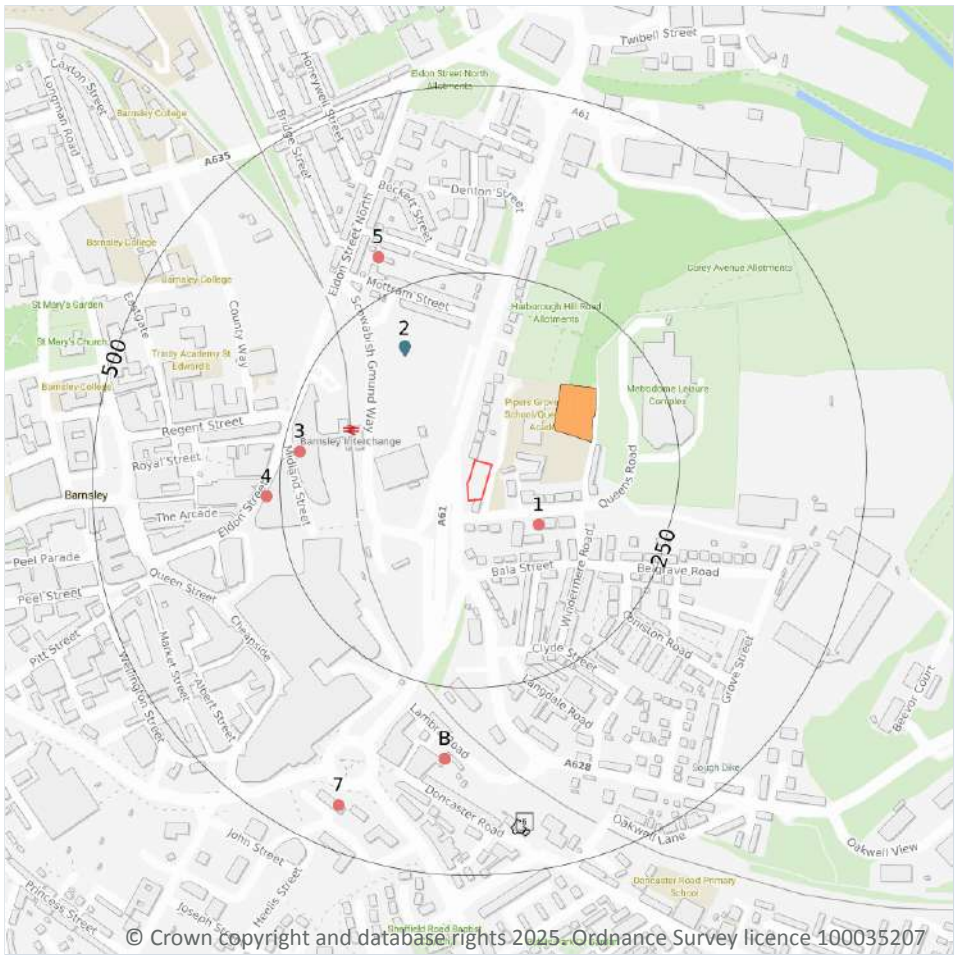
ID	Location	Land Use	Date	Group ID
M	317m S	Garage	1961	46784
M	319m S	Garage	1962	46784
R	363m W	Garage	1972	45598
S	364m W	Garage	1972	51557
S	364m W	Garage	1961	48129
S	364m W	Garage	1962	51051

ID	Location	Land Use	Date	Group ID
U	373m W	Garage	1962	50634
R	378m W	Garage	1962	50402
U	381m W	Garage	1961	51822
P	382m N	Garage	1983	48017
P	382m N	Garage	1989	51778
R	384m W	Garage	1993	46623
R	384m W	Garage	1968	49873
R	384m W	Garage	1961	46711
R	384m W	Garage	1984	49873
R	385m W	Garage	1981	48576
R	385m W	Garage	1982	48576
R	385m W	Garage	1991	46888
U	387m W	Garage	1961	51822
U	387m W	Garage	1962	47086
Y	402m S	Garage	1962	51825
Y	403m S	Garage	1961	46338
V	433m S	Garage	1985	47884
V	434m S	Garage	1999	50094
V	434m S	Garage	1997	50094
V	434m S	Garage	1993	47473
V	434m S	Garage	1996	50094
V	445m S	Garage	1996	46739
V	446m S	Garage	1987	47231
V	446m S	Garage	1991	47473
AC	449m S	Garage	1996	48480
V	457m S	Garage	1996	49352
V	458m S	Garage	1986	47884
V	460m S	Garage	1997	50754

ID	Location	Land Use	Date	Group ID
V	460m S	Garage	1993	47473
V	460m S	Garage	1988	47473
V	460m S	Garage	1988	47473
V	460m S	Garage	1988	47473
AC	467m S	Garage	1986	48480
9	499m N	Garage	1970	47936

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	0

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

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

3.4 Historical landfill (EA/NRW records)

Records within 500m	1

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

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

ID	Location	Details		
6	429m S	Site Address: The Old Vicarage, Doncaster Road, Barnsley Licence Holder Address: Oak House, Doncaster Road, Barnsley	Waste Licence: Yes Site Reference: WD20 B812, 20B812 Waste Type: Commercial Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 17/07/1991 Licence Surrender: 17/01/1994	Operator: - Licence Holder: Mr K Sykes - Aytee Portable Equiptment Limited First Recorded - Last Recorded: -

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

3.5 Historical waste sites

Records within 500m	3

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

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

ID	Location	Address	Further Details	Date
A	97m NE	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1983

ID	Location	Address	Further Details	Date
A	97m NE	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1989
A	97m NE	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1990

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

3.6 Licensed waste sites

Records within 500m	**1**

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

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

ID	Location	Details		
2	176m NW	Site Name: Site SE 34800 06650 Site Address: Harborough Hill Road, Harborough, Barnsley, South Yorkshire, S71 1BD Correspondence Address: -	Type of Site: Transfer Station taking Non-Biodegradable Wastes Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 659647 EPR reference: EA/EPR/JP3390ZX Operator: Yorkshire Electricity Group Plc Waste Management licence No: 60598 Annual Tonnage: 0	Issue Date: 14/09/1992 Effective Date: 14/09/1992 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Surrendered

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

3.7 Waste exemptions

Records within 500m	**7**

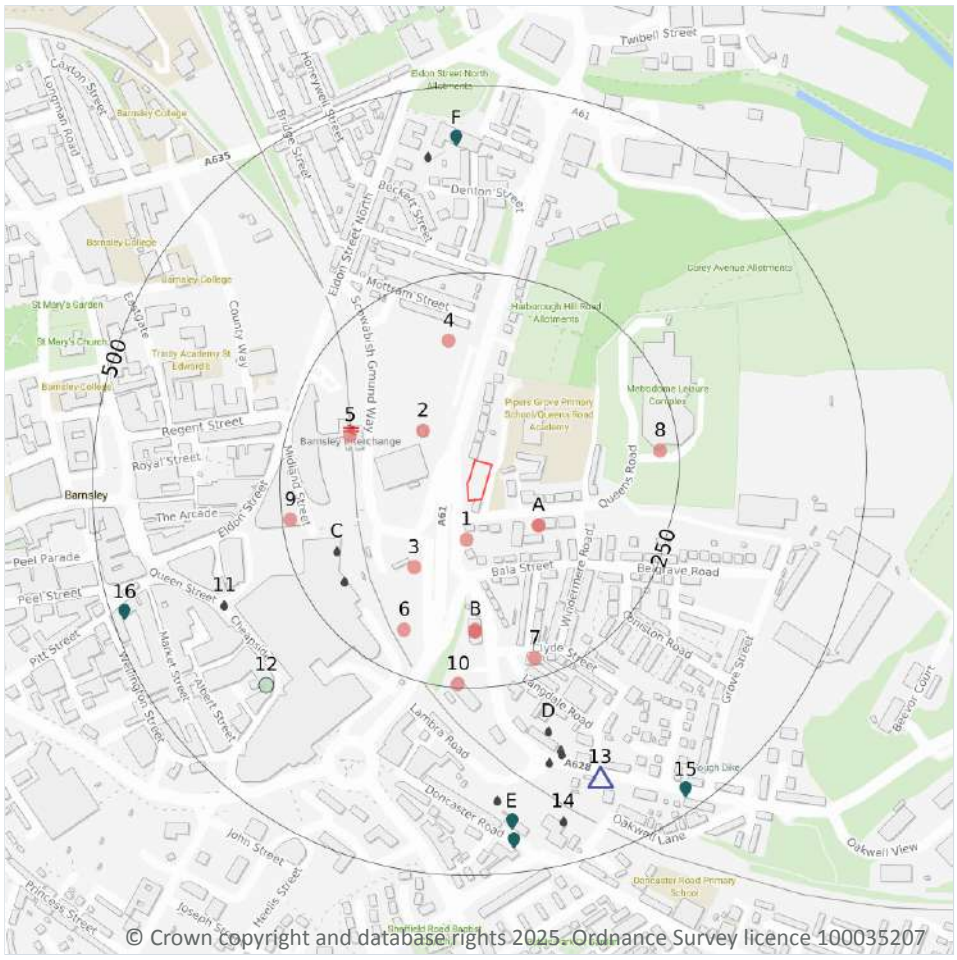
Activities involving the storage, treatment, use or disposal of waste that are exempt from needing a permit. Exemptions have specific limits and conditions that must be adhered to.

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

ID	Location	Site	Reference	Category	Sub-Category	Description
1	83m SE	25 Queens Road Barnsley South Yorkshire S71 1an	EPR/BE5780NY/A001	Using waste exemption	Non-agricultural waste only	Use of depolluted end-of-life vehicles for vehicle parts
3	228m W	Exchange Station, Midland Street, Barnsley, S70 1se	WEX384030	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
4	269m W	25, Eldon Street, Barnsley, S70 2jj	WEX283128	Treating waste exemption	Not on a farm	Screening and blending of waste
5	300m NW	James Street, Barnsley, S71 1bl	WEX379908	Storing waste exemption	Not on a farm	Storage of waste in secure containers
B	346m S	-	WEX263965	Storing waste exemption	Not on a farm	Storage of waste in a secure place
B	346m S	-	WEX263967	Storing waste exemption	Not on a farm	Storage of waste in a secure place
7	442m SW	5-6, Burleigh Court, Barnsley, S70 1xy	WEX364976	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal

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

4 Current industrial land use



Site Outline

Search buffers in metres (m)

Recent industrial land uses

Current or recent petrol stations

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

Licensed Discharges to controlled waters

Pollution Incidents (EA/NRW)

4.1 Recent industrial land uses

Records within 250m	15

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on **page 46 >**

ID	Location	Company	Address	Activity	Category
1	52m S	Electricity Sub Station	South Yorkshire, S71	Electrical Features	Infrastructure and Facilities
2	80m NW	Electricity Sub Station	South Yorkshire, S71	Electrical Features	Infrastructure and Facilities

ID	Location	Company	Address	Activity	Category
A	83m SE	Queens Road M O T Centre	Robert Shaw and Son Ltd, Queens Road, Barnsley, South Yorkshire, S71 1AN	Vehicle Repair, Testing and Servicing	Repair and Servicing
A	83m SE	A & P MOT Centre	Robert Shaw and Son Ltd, Queens Road, Barnsley, South Yorkshire, S71 1AN	Vehicle Repair, Testing and Servicing	Repair and Servicing
3	115m SW	Electricity Sub Station	South Yorkshire, S71	Electrical Features	Infrastructure and Facilities
4	163m N	Electricity Sub Station	South Yorkshire, S71	Electrical Features	Infrastructure and Facilities
5	169m W	Barnsley Rail Station	South Yorkshire, S71	Railway Stations, Junctions and Halts	Public Transport, Stations and Infrastructure
B	172m S	Cars2 Service Centre	Cars2, Pontefract Road, Barnsley, South Yorkshire, S71 1AJ	Vehicle Repair, Testing and Servicing	Repair and Servicing
B	175m S	Cars 2 Hyundai	1, Pontefract Road, Barnsley, South Yorkshire, S71 1AJ	New Vehicles	Motoring
B	175m S	Cars 2 Ltd	1a, Malthouse Road, Barnsley, South Yorkshire, S71	New Vehicles	Motoring
6	192m SW	Mast (Telecommunication)	South Yorkshire, S70	Telecommunications Features	Infrastructure and Facilities
7	224m S	Dl Bodyshop	The Works Building, Langdale Road, Barnsley, South Yorkshire, S71 1AF	Vehicle Repair, Testing and Servicing	Repair and Servicing
8	225m E	Chimney	South Yorkshire, S71	Chimneys	Industrial Features
9	239m W	Tri Flooring	40, The Glass Works, Barnsley, South Yorkshire, S70 1GW	Beds and Bedding	Consumer Products
10	245m S	Cars2 Service Centre	C, Cars2, Pontefract Road, Barnsley, South Yorkshire, S71 1EZ	Vehicle Repair, Testing and Servicing	Repair and Servicing

This data is sourced from Ordnance Survey.

4.2 Current or recent petrol stations

Records within 500m	1

Open, closed, under development and obsolete petrol stations.

Features are displayed on the Current industrial land use map on **page 46 >**

ID	Location	Company	Address	LPG	Status
13	403m S	TEXACO	Pontefract Road, Barnsley, South Yorkshire, S71 1HA	Not Applicable	Obsolete

This data is sourced from Experian.

4.3 Electricity cables

Records within 500m	0

High voltage underground electricity transmission cables.

This data is sourced from National Grid.

4.4 Gas pipelines

Records within 500m	0

High pressure underground gas transmission pipelines.

This data is sourced from National Grid.

4.5 Sites determined as Contaminated Land

Records within 500m	0

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

This data is sourced from Local Authority records.

4.6 Control of Major Accident Hazards (COMAH)

Records within 500m	0

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

This data is sourced from the Health and Safety Executive.

4.7 Regulated explosive sites

Records within 500m	0

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

This data is sourced from the Health and Safety Executive.

4.8 Hazardous substance storage/usage

Records within 500m	0

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

This data is sourced from Local Authority records.

4.9 Historical licensed industrial activities (IPC)

Records within 500m	0

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

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

4.10 Licensed industrial activities (Part A(1))

Records within 500m	0

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

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

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

Records within 500m	5

Records of Part A(2) and Part B installations regulated under the Environmental Permitting (England and Wales) Regulations 2016 for the release of substances to the environment.

Features are displayed on the Current industrial land use map on **page 46 >**

ID	Location	Address	Details	
F	430m N	Walter Fisher Ltd, Meadow St, Barnsley, S71 1DE	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
E	431m S	Barrett Excavations Limited, 76 Doncaster Road, Barnsley, S70 1TW	Process: Other Mineral Processes Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
E	458m S	Dunlop Slanzenger Ltd, Doncaster Road, Barnsley, S70 3QP	Process: Coating Processes Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
15	473m SE	Gpf Stations Limited, Ponterfract Road, Oakwell, Barnsley, S71 1HA	Process: Petrol Vapour Recovery Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
16	482m W	Johnson Dry Cleaners, 14 Peel Square, Barnsley, S70 1YA	Process: Dry Cleaning Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified

This data is sourced from Local Authority records.

4.12 Radioactive Substance Authorisations

Records within 500m	0

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

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

4.13 Licensed Discharges to controlled waters

Records within 500m	10

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 46 >**

ID	Location	Address	Details	
C	188m SW	YWSUNKNOWNSITE	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: S/CB/8 Permit Version: 1 Receiving Water: VARIES WITH OUTLET	Status: TRANSFERRED FROM R(PP)A 1951-1961 Issue date: 29/05/1963 Effective Date: 29/05/1963 Revocation Date: 31/03/2005
C	198m SW	YWSUNKNOWNSITE	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: S/CB/8 Permit Version: 1 Receiving Water: VARIES WITH OUTLET	Status: TRANSFERRED FROM R(PP)A 1951-1961 Issue date: 29/05/1963 Effective Date: 29/05/1963 Revocation Date: 31/03/2005
D	322m S	YWSUNKNOWNSITE	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: S/CB/8 Permit Version: 1 Receiving Water: VARIES WITH OUTLET	Status: TRANSFERRED FROM R(PP)A 1951-1961 Issue date: 29/05/1963 Effective Date: 29/05/1963 Revocation Date: 31/03/2005
D	351m S	LAMBRAROADCSO,LAMBRAROAD,BARNSLEY,SOUTH YORKSHIRE,S711AB	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: WRA7491 Permit Version: 2 Receiving Water: SOUGH DYKE (CULVERT)	Status: VARIED UNDER EPR 2010 Issue date: 07/03/2022 Effective Date: 07/03/2022 Revocation Date: -
11	354m SW	YWSUNKNOWNSITE	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: S/CB/8 Permit Version: 1 Receiving Water: VARIES WITH OUTLET	Status: TRANSFERRED FROM R(PP)A 1951-1961 Issue date: 29/05/1963 Effective Date: 29/05/1963 Revocation Date: 31/03/2005
D	356m S	LAMBRAROADCSO,LAMBRAROAD,BARNSLEY,SOUTH YORKSHIRE,S711AB	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: WRA7491 Permit Version: 1 Receiving Water: SOUGH DYKE (CULVERT)	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 16/02/1999 Effective Date: 16/02/1999 Revocation Date: 06/03/2022
D	363m S	YWSUNKNOWNSITE	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: S/CB/8 Permit Version: 1 Receiving Water: VARIES WITH OUTLET	Status: TRANSFERRED FROM R(PP)A 1951-1961 Issue date: 29/05/1963 Effective Date: 29/05/1963 Revocation Date: 31/03/2005

ID	Location	Address	Details	
E	402m S	YWSUNKNOWNSITE	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: S/CB/8 Permit Version: 1 Receiving Water: VARIES WITH OUTLET	Status: TRANSFERRED FROM R(PP)A 1951-1961 Issue date: 29/05/1963 Effective Date: 29/05/1963 Revocation Date: 31/03/2005
F	409m N	REGENTSTREET,BARNSLEY ,SOUTHYORKSHIRE	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: YWUCD2/4 Permit Version: 1 Receiving Water: TRIB OF RIVER DEARNE	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 12/11/1997 Effective Date: 12/11/1997 Revocation Date: -
14	443m S	YWSUNKNOWNSITE	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: S/CB/8 Permit Version: 1 Receiving Water: VARIES WITH OUTLET	Status: TRANSFERRED FROM R(PP)A 1951-1961 Issue date: 29/05/1963 Effective Date: 29/05/1963 Revocation Date: 31/03/2005

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

4.14 Pollutant release to surface waters (Red List)

Records within 500m	0

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

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

4.15 Pollutant release to public sewer

Records within 500m	0

Discharges of Special Category Effluents to the public sewer.

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

4.16 List 1 Dangerous Substances

Records within 500m	0

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

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

4.17 List 2 Dangerous Substances

Records within 500m	0

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

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

4.18 Pollution Incidents (EA/NRW)

Records within 500m	1

Records of substantiated pollution incidents. Since 2006 this data has only included category 1 (major) and 2 (significant) pollution incidents.

Features are displayed on the Current industrial land use map on **page 46 >**

ID	Location	Details	
12	365m SW	Incident Date: 01/12/2001 Incident Identification: 45948 Pollutant: Pollutant Not Identified Pollutant Description: Not Identified	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)

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

4.19 Pollution inventory substances

Records within 500m	0

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

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

4.20 Pollution inventory waste transfers

Records within 500m	0

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

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

4.21 Pollution inventory radioactive waste

Records within 500m	0

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

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

5 Hydrogeology - Superficial aquifer

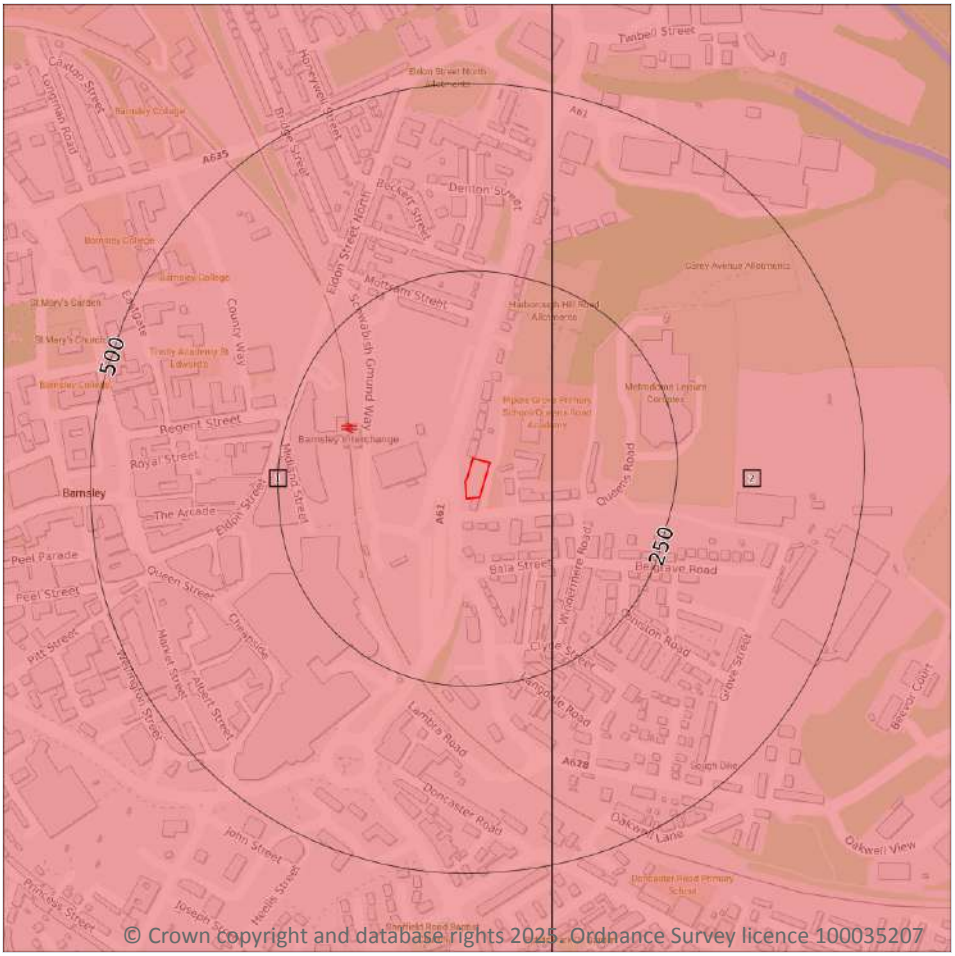
5.1 Superficial aquifer

Records within 500m	0

Aquifer status of groundwater held within superficial geology.

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

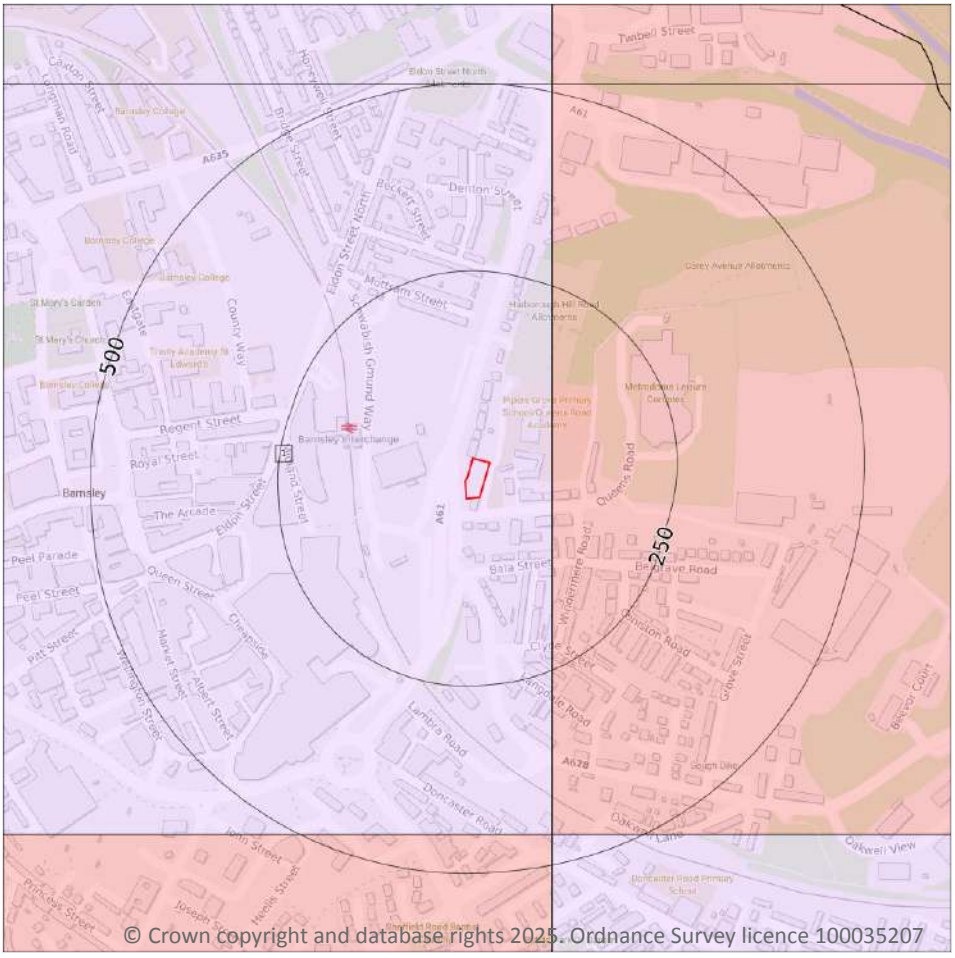
Aquifer status of groundwater held within bedrock geology.

Features are displayed on the Bedrock aquifer map on **page 56 >**

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	83m E	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers

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

Groundwater vulnerability



Site Outline

Search buffers in metres (m)

Superficial vulnerability

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

Bedrock vulnerability

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

Other information

- Unproductive aquifer
- Soluble rock risk
- Local information

5.3 Groundwater vulnerability

Records within 50m	1

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

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

Features are displayed on the Groundwater vulnerability map on **page 58 >**

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

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

5.4 Groundwater vulnerability- soluble rock risk

Records on site	0

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

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

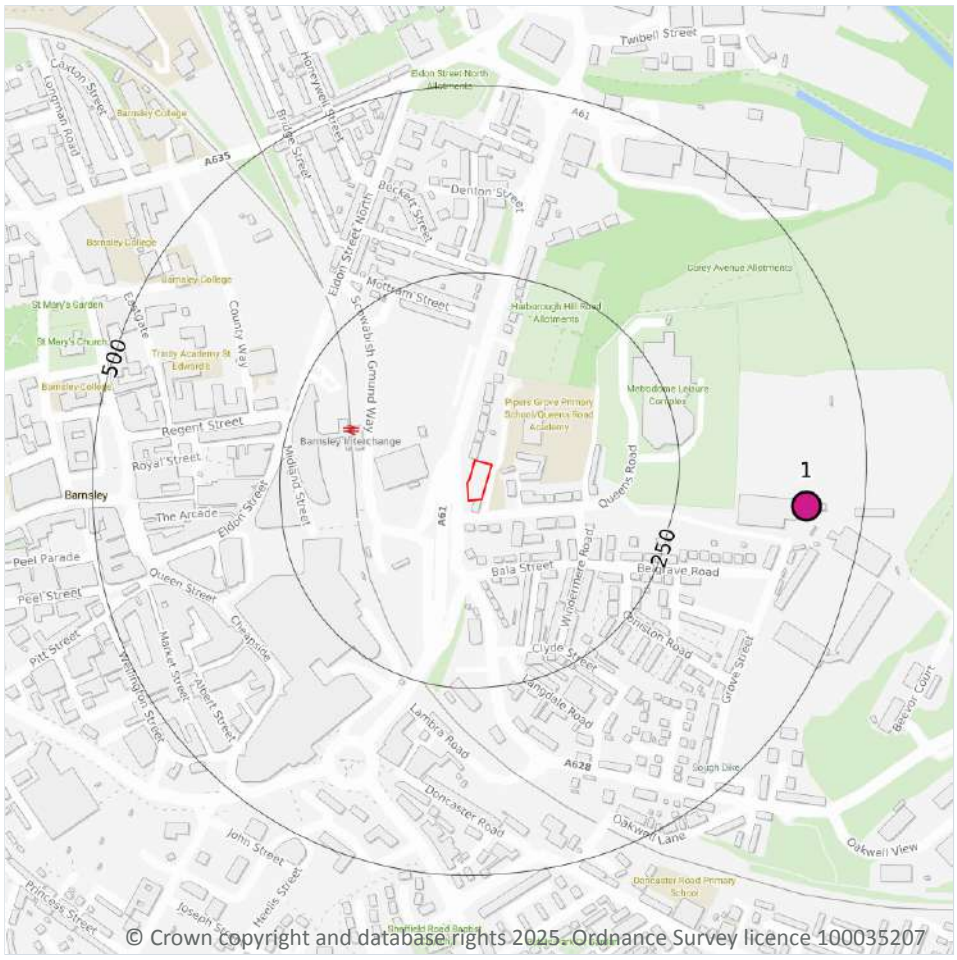
5.5 Groundwater vulnerability- local information

Records on site	0

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

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

Abstractions and Source Protection Zones



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- Site Outline

Search buffers in metres (m)

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

5.6 Groundwater abstractions

Records within 2000m	5

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 60 >**

ID	Location	Details	
1	423m E	Status: Active Licence No: NE/027/0008/014 Details: Spray Irrigation - Direct Direct Source: GROUNDWATERS Point: BOREHOLE - COAL MEASURES - OAKWELL ROAD - BARNSLEY Data Type: Point Name: Barnsley Football Club 2002 Ltd Easting: 435336 Northing: 406441	Annual Volume (m^3): 21400 Max Daily Volume (m^3): 100 Original Application No: NPS/WR/016056 Original Start Date: 29/06/2015 Expiry Date: 31/03/2029 Issue No: 1 Version Start Date: 29/06/2015 Version End Date: -
-	1248m W	Status: Historical Licence No: 2/27/08/133 Details: Water Bottling Direct Source: GROUNDWATERS Point: SPRING-SANDSTONE/MIDDLE COAL MEASURES-SHAW LANE Data Type: Point Name: SHELDALE DEVELOPMENTS LTD Easting: 433700 Northing: 406060	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 01/01/2004 Expiry Date: 31/03/2017 Issue No: 1 Version Start Date: 01/01/2004 Version End Date: -
-	1248m W	Status: Historical Licence No: 2/27/08/133 Details: Water Bottling Direct Source: GROUNDWATERS Point: SPRING - SANDSTONE&MIDDLE COAL MEASURES - BARNSLEY Data Type: Point Name: SHELDALE DEVELOPMENTS LTD Easting: 433700 Northing: 406060	Annual Volume (m^3): 350000 Max Daily Volume (m^3): 1400 Original Application No: - Original Start Date: 01/01/2004 Expiry Date: 31/03/2017 Issue No: 1 Version Start Date: 01/01/2004 Version End Date: -
-	1267m W	Status: Historical Licence No: 2/27/08/110 Details: Water Bottling Direct Source: GROUNDWATERS Point: WELL/SPRING - SANDSTONE/MIDDLE COAL MEASURES - SHAW LANE Data Type: Point Name: SHELDALE WATER LIMITED Easting: 433700 Northing: 406000	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 23/03/1994 Expiry Date: 31-Dec-03 Issue No: 100 Version Start Date: 01/12/1999 Version End Date: -

ID	Location	Details	
-	1267m W	Status: Historical Licence No: 2/27/08/110 Details: Water Bottling Direct Source: GROUNDWATERS Point: SPRING-SANDSTONE/MIDDLE COAL MEASURES-SHAW LANE Data Type: Point Name: SHELDALE DEVELOPMENTS LTD Easting: 433700 Northing: 406000	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 23/03/1994 Expiry Date: 31/12/2003 Issue No: 101 Version Start Date: 08/04/2003 Version End Date: -

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

5.7 Surface water abstractions

Records within 2000m **4**

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 60 >**

ID	Location	Details	
-	862m NE	Status: Active Licence No: 2/27/08/141/R01 Details: Make-Up Or Top Up Water Direct Source: SURFACE WATER Point: RIVER DEARNE AT DEARNE VALLEY COUNTRY PARK Data Type: Point Name: BARNSLEY METROPOLITAN BOROUGH COUNCIL Easting: 435704 Northing: 406846	Annual Volume (m^3): 5850 Max Daily Volume (m^3): 86.6 Original Application No: NPS/WR/021590 Original Start Date: 12/04/2017 Expiry Date: 31/03/2029 Issue No: 1 Version Start Date: 01/04/2019 Version End Date: -
-	869m NE	Status: Historical Licence No: 2/27/08/122 Details: Make-Up or Top Up Water Direct Source: SURFACE WATER Point: RIVER DEARNE Data Type: Point Name: BARNSLEY METROPOLITAN BOROUGH COUNCIL Easting: 435710 Northing: 406850	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 07/10/1998 Expiry Date: 31/10/2006 Issue No: 101 Version Start Date: 01/08/2002 Version End Date: -

ID	Location	Details	
-	869m NE	Status: Historical Licence No: 2/27/08/122 Details: Make-Up or Top Up Water Direct Source: SURFACE WATER Point: RIVER DEARNE Data Type: Point Name: BARNSLEY METROPOLITAN BOROUGH COUNCIL Easting: 435710 Northing: 406850	Annual Volume (m^3): 7800 Max Daily Volume (m^3): 86.6 Original Application No: - Original Start Date: 07/10/1998 Expiry Date: 31/10/2006 Issue No: 101 Version Start Date: 01/08/2002 Version End Date: -
-	869m NE	Status: Historical Licence No: 2/27/08/141 Details: Make-Up Or Top Up Water Direct Source: SURFACE WATER Point: RIVER DEARNE Data Type: Point Name: BARNSLEY METROPOLITAN BOROUGH COUNCIL Easting: 435710 Northing: 406850	Annual Volume (m^3): 7800 Max Daily Volume (m^3): 86.6 Original Application No: - Original Start Date: 13/03/2007 Expiry Date: 31/03/2017 Issue No: 1 Version Start Date: 01/04/2008 Version End Date: -

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

5.8 Potable abstractions

Records within 2000m **4**

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 60 >**

ID	Location	Details	
-	1248m W	Status: Historical Licence No: 2/27/08/133 Details: Water Bottling Direct Source: GROUNDWATERS Point: SPRING-SANDSTONE/MIDDLE COAL MEASURES-SHAW LANE Data Type: Point Name: SHELDALE DEVELOPMENTS LTD Easting: 433700 Northing: 406060	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 01/01/2004 Expiry Date: 31/03/2017 Issue No: 1 Version Start Date: 01/01/2004 Version End Date: -

ID	Location	Details	
-	1248m W	Status: Historical Licence No: 2/27/08/133 Details: Water Bottling Direct Source: GROUNDWATERS Point: SPRING - SANDSTONE&MIDDLE COAL MEASURES - BARNSLEY Data Type: Point Name: SHELDALE DEVELOPMENTS LTD Easting: 433700 Northing: 406060	Annual Volume (m^3): 350000 Max Daily Volume (m^3): 1400 Original Application No: - Original Start Date: 01/01/2004 Expiry Date: 31/03/2017 Issue No: 1 Version Start Date: 01/01/2004 Version End Date: -
-	1267m W	Status: Historical Licence No: 2/27/08/110 Details: Water Bottling Direct Source: GROUNDWATERS Point: WELL/SPRING - SANDSTONE/MIDDLE COAL MEASURES - SHAW LANE Data Type: Point Name: SHELDALE WATER LIMITED Easting: 433700 Northing: 406000	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 23/03/1994 Expiry Date: 31-Dec-03 Issue No: 100 Version Start Date: 01/12/1999 Version End Date: -
-	1267m W	Status: Historical Licence No: 2/27/08/110 Details: Water Bottling Direct Source: GROUNDWATERS Point: SPRING-SANDSTONE/MIDDLE COAL MEASURES-SHAW LANE Data Type: Point Name: SHELDALE DEVELOPMENTS LTD Easting: 433700 Northing: 406000	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 23/03/1994 Expiry Date: 31/12/2003 Issue No: 101 Version Start Date: 08/04/2003 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.

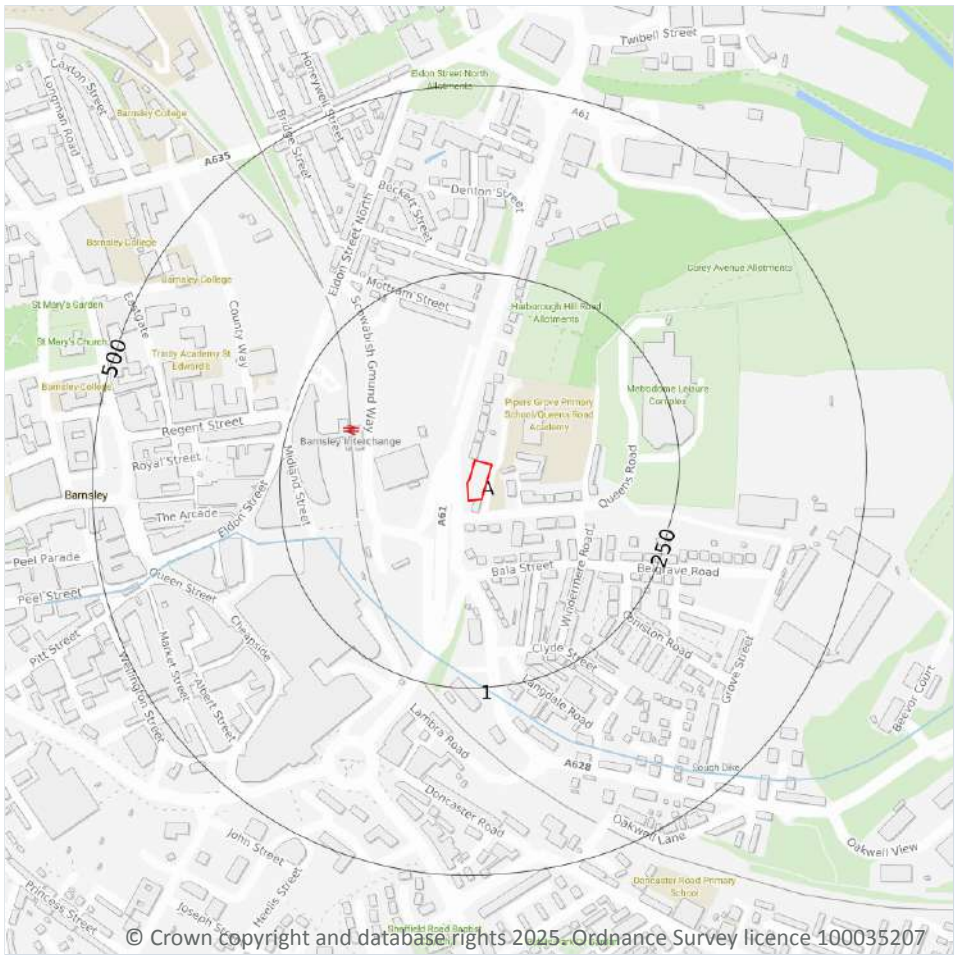
5.10 Source Protection Zones (confined aquifer)

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	1

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

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

ID	Location	Type of water feature	Ground level	Permanence	Name
1	185m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Sough Dike

This data is sourced from the Ordnance Survey.

6.2 Surface water features

Records within 250m	0

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

This data is sourced from the Ordnance Survey.

6.3 WFD Surface water body catchments

Records on site	1

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

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

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
A	**On site**	**River**	**Dearne from Cawthorne Dyke to Lundwood STW**	**GB104027063171**	**Dearne**	**Don and Rother**

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

6.4 WFD Surface water bodies

Records identified	1

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

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

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
-	742m N	River	Dearne from Cawthorne Dyke to Lundwood STW	GB104027063171 ↗	Moderate	Fail	Moderate	2019

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

6.5 WFD Groundwater bodies

Records on site	1

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

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

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
A	**On site**	**Don & Rother Millstone grit & Coal Measures**	**GB40402G992300** ↗	**Poor**	**Poor**	**Good**	**2019**

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

7 River and coastal flooding

7.1 Risk of flooding from rivers and the sea

Records within 50m	0

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

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

7.2 Historical Flood Events

Records within 250m	0

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

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

7.3 Flood Defences

Records within 250m	0

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

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

7.4 Areas Benefiting from Flood Defences

Records within 250m	0

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

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

7.5 Flood Storage Areas

Records within 250m	0

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

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

River and coastal flooding - Flood Zones

7.6 Flood Zone 2

Records within 50m	0

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

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

7.7 Flood Zone 3

Records within 50m	0

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

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

8 Surface water flooding

8.1 Surface water flooding

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

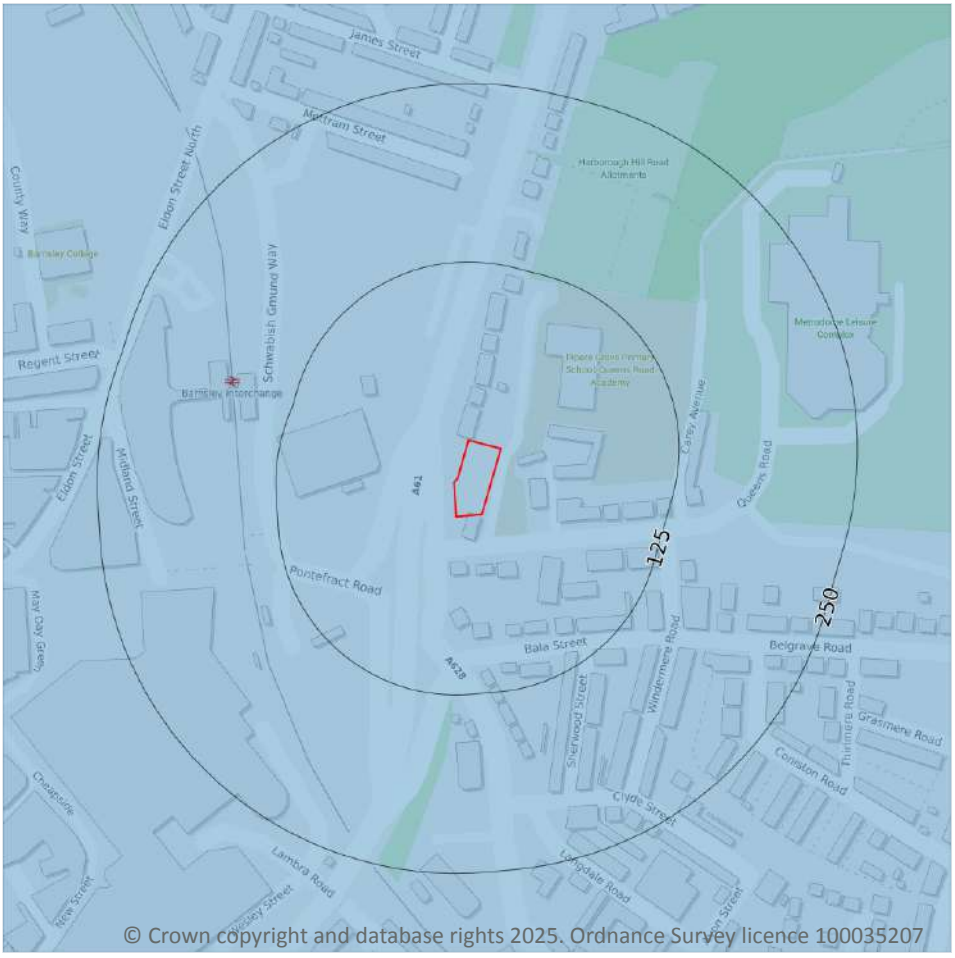
Ambiental Risk Analytics surface water (pluvial) FloodMap identifies areas likely to flood as a result of extreme rainfall events, i.e. land naturally vulnerable to surface water ponding or flooding. This data set was produced by simulating 1 in 30 year, 1 in 100 year, 1 in 250 year and 1 in 1,000 year 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.

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

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

This data is sourced from Ambiental Risk Analytics.

9 Groundwater flooding



Site Outline

Search buffers in metres (m)

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

9.1 Groundwater flooding

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

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

Features are displayed on the Groundwater flooding map on **page 73 >**

This data is sourced from Ambiental Risk Analytics.

10 Environmental designations

Site Outline

Search buffers in metres (m)

Local Nature Reserves (LNR)

Green Belt

10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m	0

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

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

10.2 Conserved wetland sites (Ramsar sites)

Records within 2000m	0

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

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

10.3 Special Areas of Conservation (SAC)

Records within 2000m	0

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

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

10.4 Special Protection Areas (SPA)

Records within 2000m	0

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

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

10.5 National Nature Reserves (NNR)

Records within 2000m	0

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

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

10.6 Local Nature Reserves (LNR)

Records within 2000m	1

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

Features are displayed on the Environmental designations map on **page 74 >**

ID	Location	Name	Data source
2	760m NE	Dearne Valley Park	Natural England

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

10.7 Designated Ancient Woodland

Records within 2000m	0

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

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

10.8 Biosphere Reserves

Records within 2000m	0

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

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

10.9 Forest Parks

Records within 2000m	0

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

This data is sourced from the Forestry Commission.

10.10 Marine Conservation Zones

Records within 2000m	0

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

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

10.11 Green Belt

Records within 2000m	2

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

Features are displayed on the Environmental designations map on **page 74 >**

ID	Location	Name	Local Authority name
1	532m N	South and West Yorkshire Green Belt	Barnsley
-	1621m S	South and West Yorkshire Green Belt	Barnsley

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	4

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.

Location	Name	Type	NVZ ID	Status
On site	**River Dearne NVZ**	**Surface Water**	**278**	**Existing**
466m S	River Dearne NVZ	Surface Water	278	Existing
792m W	River Dearne NVZ	Surface Water	278	Existing
920m SW	River Dearne NVZ	Surface Water	278	Existing

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

SSSI Impact Zones and Units

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Site Outline

Search buffers in metres (m)

SSSI Impact Risk Zones

SSSI Units

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

10.17 SSSI Impact Risk Zones

Records on site	1

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

Features are displayed on the SSSI Impact Zones and Units map on **page 79 >**

ID	Location	Type of developments requiring consultation
1	**On site**	**Infrastructure - Airports, helipads and other aviation proposals.** **Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, Review of Minerals Permissions (ROMP), extensions, variations to conditions etc. Oil & gas exploration/extraction.** **Air pollution - Livestock & poultry units with floorspace > 500m², slurry lagoons & digestate stores > 750m², manure stores > 3500t.** **Discharges - Any discharge of water or liquid waste of more than 5m³/day to ground (ie to seep away) or to surface water, such as a beck or stream.**

This data is sourced from Natural England.

10.18 SSSI Units

Records within 2000m	**0**

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

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

11 Visual and cultural designations

11.1 World Heritage Sites

Records within 250m	0

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

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

11.2 Area of Outstanding Natural Beauty

Records within 250m	0

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

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

11.3 National Parks

Records within 250m	0

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

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

11.4 Listed Buildings

Records within 250m	0

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

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

11.5 Conservation Areas

Records within 250m	0

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

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

11.6 Scheduled Ancient Monuments

Records within 250m	0

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

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

11.7 Registered Parks and Gardens

Records within 250m	0

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

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

12 Agricultural designations

Site Outline

Search buffers in metres (m)

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

12.1 Agricultural Land Classification

Records within 250m	1

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

Features are displayed on the Agricultural designations map on **page 83 >**

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

This data is sourced from Natural England.

12.2 Open Access Land

Records within 250m	0

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

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

12.3 Tree Felling Licences

Records within 250m	0

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

This data is sourced from the Forestry Commission.

12.4 Environmental Stewardship Schemes

Records within 250m	0

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

This data is sourced from Natural England.

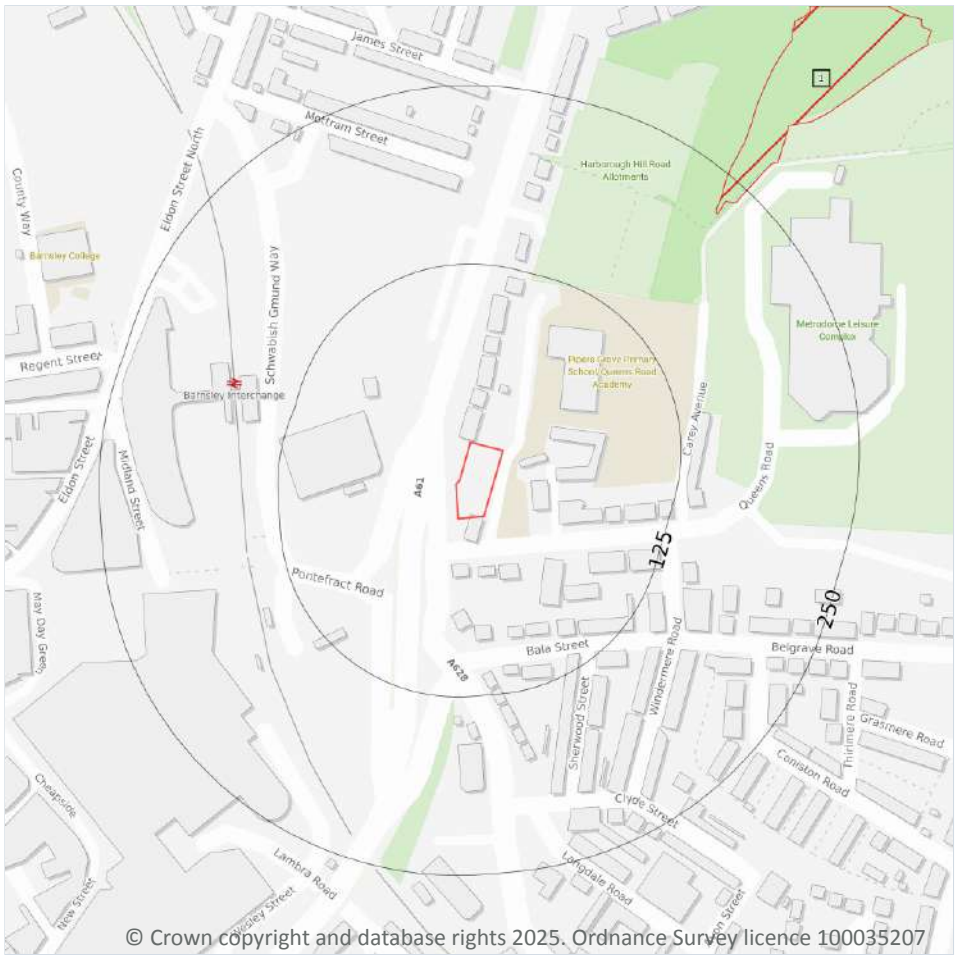
12.5 Countryside Stewardship Schemes

Records within 250m	0

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

This data is sourced from Natural England.

13 Habitat designations



Site Outline

Search buffers in metres (m)

- Priority Habitat Inventory
- Open Mosaic Habitat
- Limestone Pavement Orders

Habitat Networks

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

13.1 Priority Habitat Inventory

Records within 250m	0

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

This data is sourced from Natural England.

13.2 Habitat Networks

Records within 250m	0

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

This data is sourced from Natural England.

13.3 Open Mosaic Habitat

Records within 250m	1

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

Features are displayed on the Habitat designations map on **page 85 >**

ID	Location	Site reference	Identification confidence	Primary source	Secondary source	Tertiary source
1	224m NE	NLUD Ref: 440800323	Low	National Land Use Database - Previously Developed Land	British Geological Survey BRITPITS database	UK Perspectives Aerial Photography

This data is sourced from Natural England.

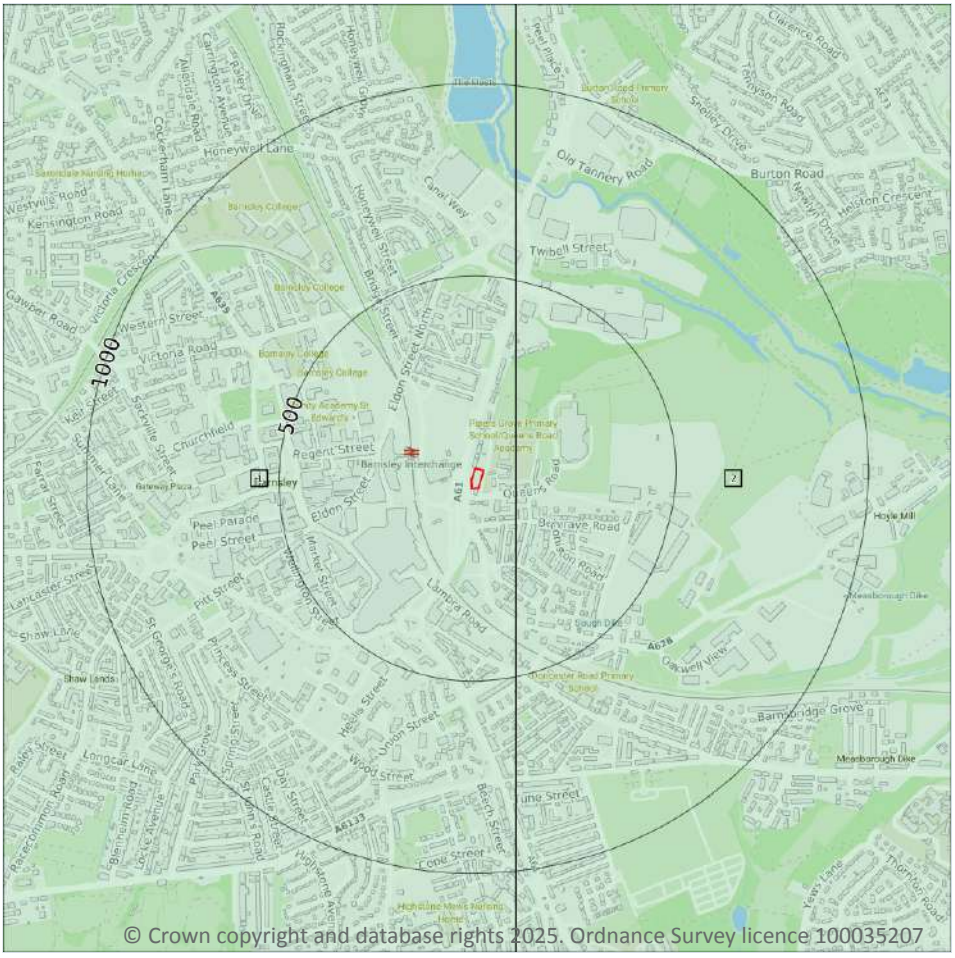
13.4 Limestone Pavement Orders

Records within 250m	0

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

This data is sourced from Natural England.

14 Geology 1:10,000 scale - Availability



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 87 >**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	**On site**	**Full**	**Full**	**Full**	**Full**	**SE30NW**
2	83m E	Full	Full	Full	No coverage	SE30NE

This data is sourced from the British Geological Survey.

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

Site Outline

Search buffers in metres (m)

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

14.2 Artificial and made ground (10k)

Records within 500m	11

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

Features are displayed on the Geology 1:10,000 scale - Artificial and made ground map on **page 88 >**

ID	Location	LEX Code	Description	Rock description
1	143m S	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
2	173m E	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
3	221m NE	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
4	262m NW	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit

ID	Location	LEX Code	Description	Rock description
5	376m E	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
A	383m S	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
6	415m NE	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
7	424m SE	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
A	428m S	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
8	436m SE	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
B	486m E	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit

This data is sourced from the British Geological Survey.

Geology 1:10,000 scale - Superficial

14.3 Superficial geology (10k)

Records within 500m	0

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

This data is sourced from the British Geological Survey.

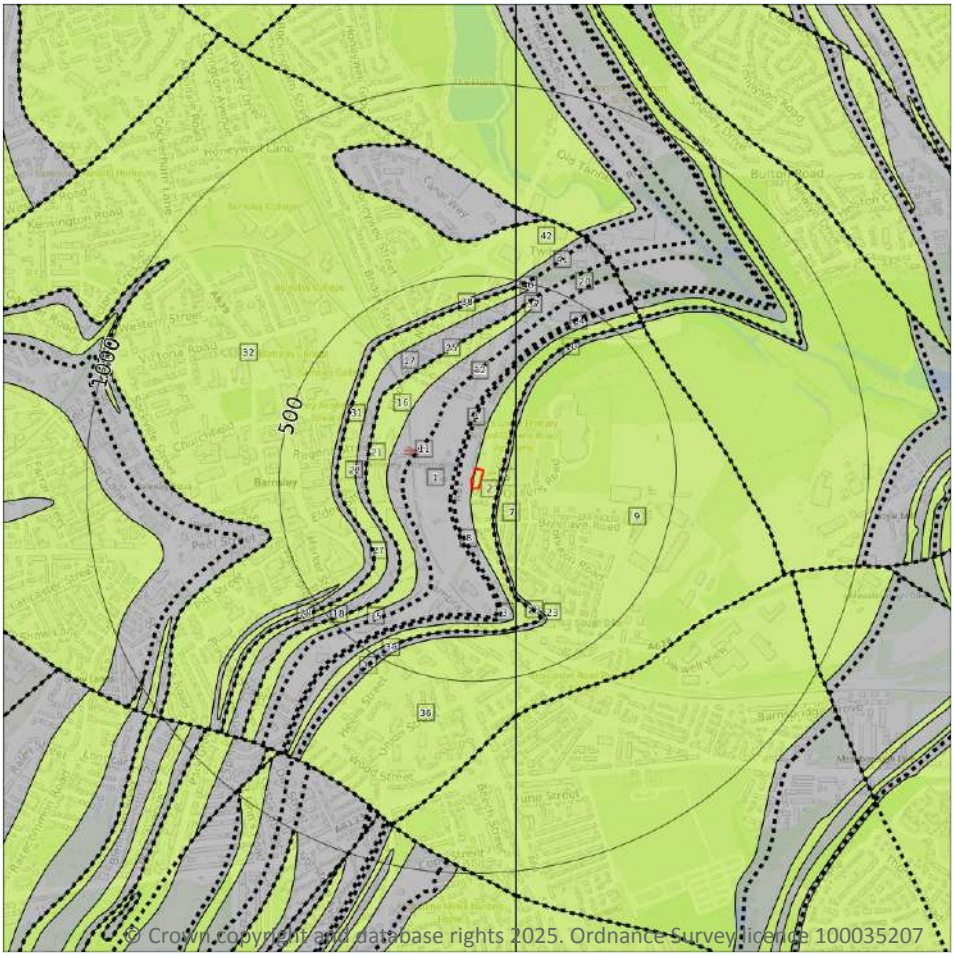
14.4 Landslip (10k)

Records within 500m	0

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

This data is sourced from the British Geological Survey.

Geology 1:10,000 scale - Bedrock



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	20

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 91 >**

ID	Location	LEX Code	Description	Rock age
1	On site	PMCM-MDSS	Pennine Middle Coal Measures Formation - Mudstone, Siltstone And Sandstone	Bolsovian Sub-age - Duckmantian Sub-age
2	On site	PMCM-SDST	Pennine Middle Coal Measures Formation - Sandstone	Bolsovian Sub-age - Duckmantian Sub-age

ID	Location	LEX Code	Description	Rock age
5	48m E	PMCM-MDSS	Pennine Middle Coal Measures Formation - Mudstone, Siltstone And Sandstone	Bolsovian Sub-age - Duckmantian Sub-age
7	58m SE	WE-SDST	Woolley Edge Rock - Sandstone	Duckmantian Sub-age
9	83m E	WE-SDST	Woolley Edge Rock - Sandstone	Duckmantian Sub-age
10	135m NE	PMCM-MDSS	Pennine Middle Coal Measures Formation - Mudstone, Siltstone And Sandstone	Bolsovian Sub-age - Duckmantian Sub-age
13	173m NE	PMCM-SDST	Pennine Middle Coal Measures Formation - Sandstone	Bolsovian Sub-age - Duckmantian Sub-age
16	205m SW	PMCM-SDST	Pennine Middle Coal Measures Formation - Sandstone	Bolsovian Sub-age - Duckmantian Sub-age
17	243m SW	PMCM-MDSS	Pennine Middle Coal Measures Formation - Mudstone, Siltstone And Sandstone	Bolsovian Sub-age - Duckmantian Sub-age
20	257m N	PMCM-MDSS	Pennine Middle Coal Measures Formation - Mudstone, Siltstone And Sandstone	Bolsovian Sub-age - Duckmantian Sub-age
22	261m SW	PMCM-SDST	Pennine Middle Coal Measures Formation - Sandstone	Bolsovian Sub-age - Duckmantian Sub-age
23	285m S	PMCM-MDSS	Pennine Middle Coal Measures Formation - Mudstone, Siltstone And Sandstone	Bolsovian Sub-age - Duckmantian Sub-age
27	300m SW	PMCM-MDSS	Pennine Middle Coal Measures Formation - Mudstone, Siltstone And Sandstone	Bolsovian Sub-age - Duckmantian Sub-age
29	303m S	PMCM-SDST	Pennine Middle Coal Measures Formation - Sandstone	Bolsovian Sub-age - Duckmantian Sub-age
32	319m SW	KNR-SDST	Kent's Rock - Sandstone	Duckmantian Sub-age
34	371m S	PMCM-MDSS	Pennine Middle Coal Measures Formation - Mudstone, Siltstone And Sandstone	Bolsovian Sub-age - Duckmantian Sub-age
36	383m S	WE-SDST	Woolley Edge Rock - Sandstone	Duckmantian Sub-age
37	390m N	PMCM-SDST	Pennine Middle Coal Measures Formation - Sandstone	Bolsovian Sub-age - Duckmantian Sub-age
40	459m N	PMCM-SDST	Pennine Middle Coal Measures Formation - Sandstone	Bolsovian Sub-age - Duckmantian Sub-age
42	498m N	KNR-SDST	Kent's Rock - Sandstone	Duckmantian Sub-age

This data is sourced from the British Geological Survey.

14.6 Bedrock faults and other linear features (10k)

Records within 500m	22

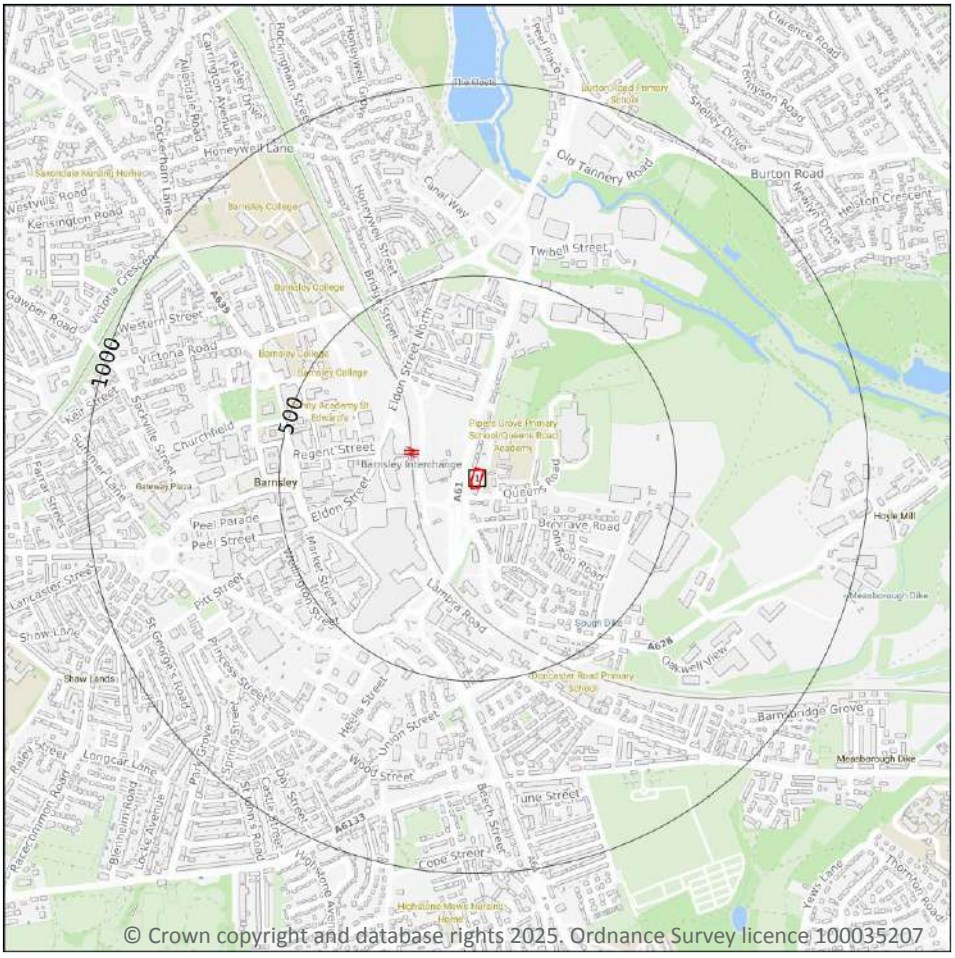
Linear features at the ground or bedrock surface at 1:10,000 scale of six main types; rock, fault, fold axis, mineral vein, alteration area or landform. Features are either observed or inferred, and relate primarily to bedrock.

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

ID	Location	Category	Description
3	35m W	FOSSIL_HORIZON	Fossil horizon, marine band
4	46m W	ROCK	Coal seam, inferred
6	48m E	ROCK	Coal seam, inferred
8	61m SW	ROCK	Coal seam, observed
11	142m NW	ROCK	Coal seam, observed
12	156m NW	ROCK	Coal seam, inferred
14	173m NE	ROCK	Coal seam, inferred coincident with bedrock geology boundary
15	175m SW	ROCK	Coal seam, inferred
18	243m SW	ROCK	Coal seam, inferred
19	255m S	ROCK	Coal seam, inferred
21	261m W	ROCK	Coal seam, observed
24	287m N	FOSSIL_HORIZON	Fossil horizon, marine band
25	295m NW	ROCK	Coal seam, inferred
26	295m N	ROCK	Coal seam, inferred
28	300m SW	ROCK	Coal seam, inferred
30	303m S	ROCK	Coal seam, inferred
31	314m W	ROCK	Coal seam, observed
33	349m N	ROCK	Coal seam, inferred
35	371m S	ROCK	Coal seam, inferred
38	401m NW	ROCK	Coal seam, inferred
39	419m N	ROCK	Coal seam, inferred
41	482m 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

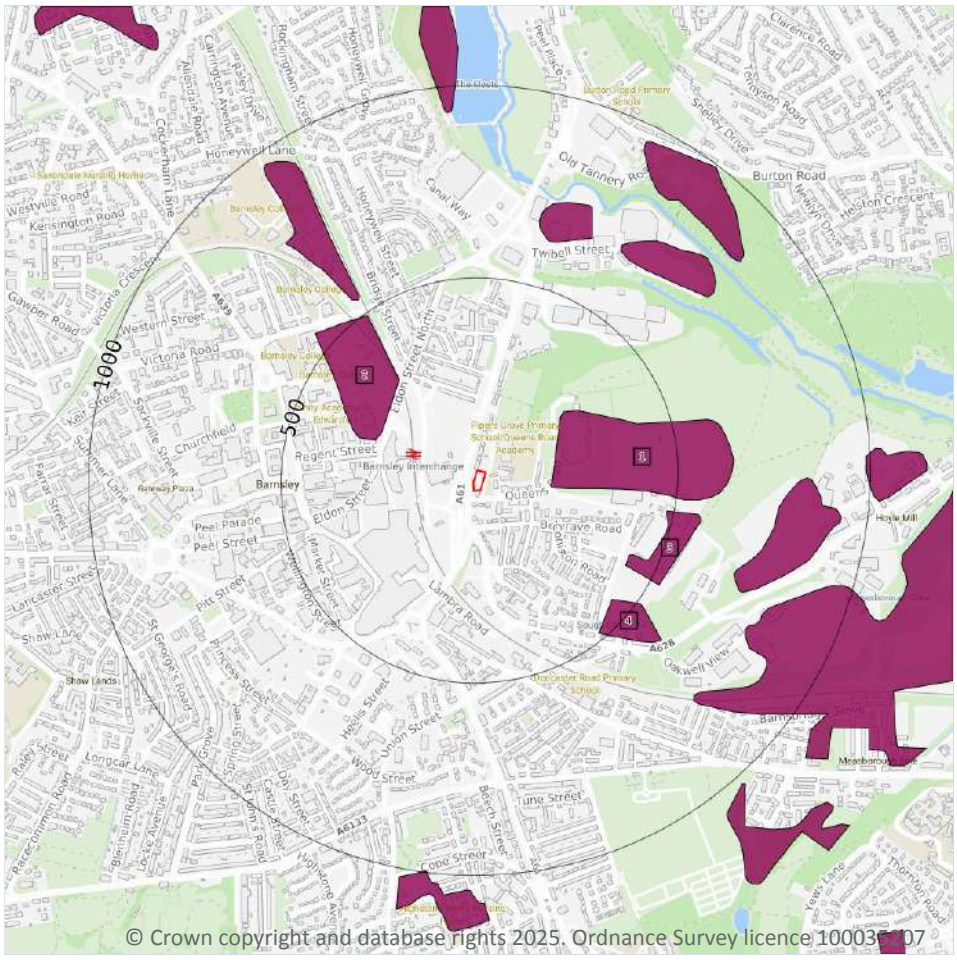
An indication on the coverage of 1:50,000 scale geology data for the site. Either 'Full' or 'No coverage' for each geological theme.

Features are displayed on the Geology 1:50,000 scale - Availability map on **page 94 >**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	**On site**	**No coverage**	**Full**	**Full**	**Full**	**EW087_barnsley_v4**

This data is sourced from the British Geological Survey.

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



Site Outline

Search buffers in metres (m)

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

15.2 Artificial and made ground (50k)

Records within 500m	4

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 95 >**

ID	Location	LEX Code	Description	Rock description
1	175m E	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT
2	266m NW	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT
3	422m SE	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT
4	444m SE	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

15.4 Superficial geology (50k)

Records within 500m	0

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.

This data is sourced from the British Geological Survey.

15.5 Superficial permeability (50k)

Records within 50m	0

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

This data is sourced from the British Geological Survey.

15.6 Landslip (50k)

Records within 500m	0

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

This data is sourced from the British Geological Survey.

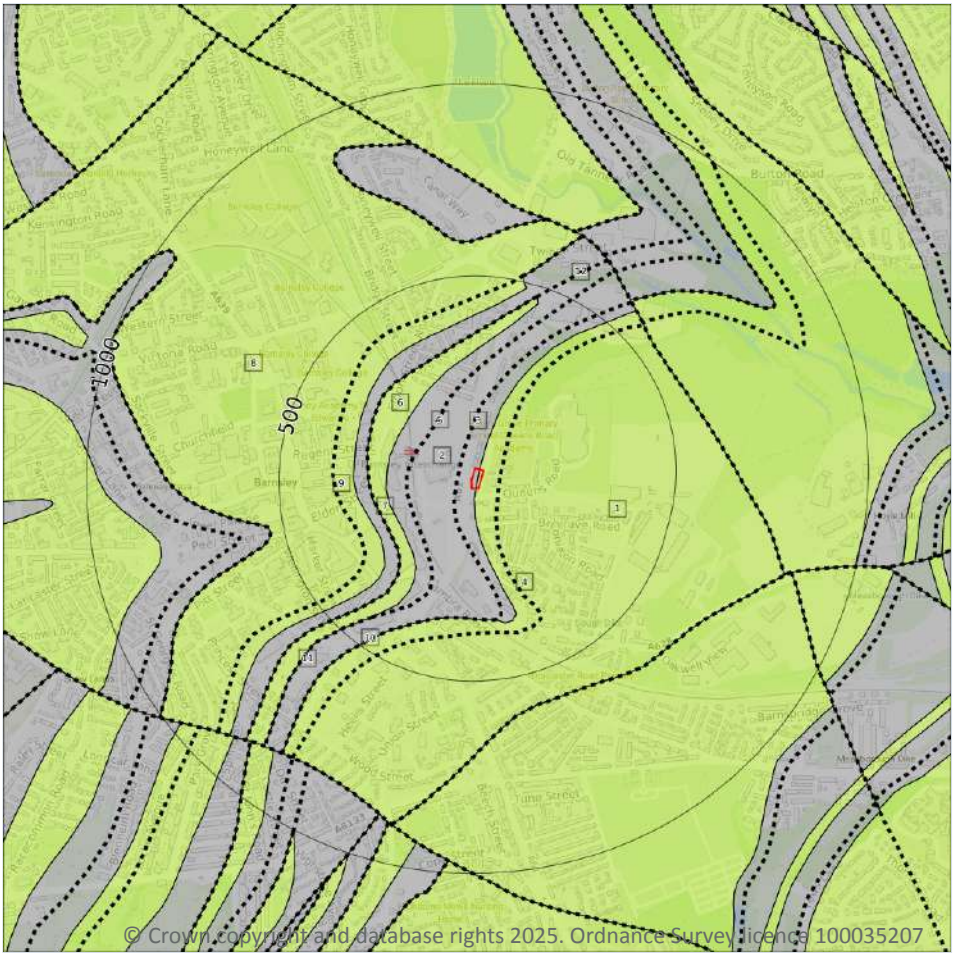
15.7 Landslip permeability (50k)

Records within 50m	0

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

This data is sourced from the British Geological Survey.

Geology 1:50,000 scale - Bedrock



Site Outline

Search buffers in metres (m)

Bedrock faults and other linear features (50k)

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

15.8 Bedrock geology (50k)

Records within 500m **4**

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

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

ID	Location	LEX Code	Description	Rock age
1	**On site**	**WE-SDST**	**WOOLLEY EDGE ROCK - SANDSTONE**	**WESTPHALIAN**
2	**On site**	**PMCM-MDSS**	**PENNINE MIDDLE COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE**	**WESTPHALIAN**
6	208m SW	PMCM-SDST	PENNINE MIDDLE COAL MEASURES FORMATION - SANDSTONE	WESTPHALIAN

ID	Location	LEX Code	Description	Rock age
8	269m SW	KNR-SDST	KENT'S ROCK - SANDSTONE	WESTPHALIAN

This data is sourced from the British Geological Survey.

15.9 Bedrock permeability (50k)

Records within 50m	2

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

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

This data is sourced from the British Geological Survey.

15.10 Bedrock faults and other linear features (50k)

Records within 500m	8

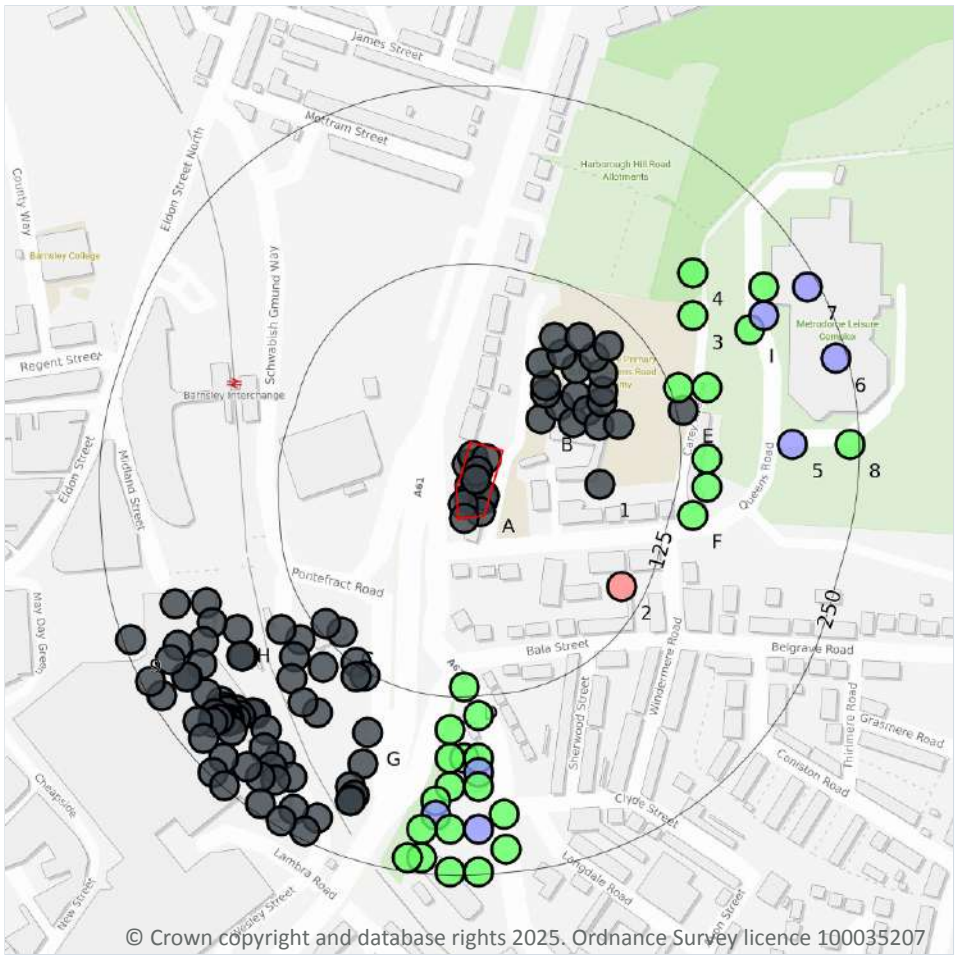
Linear features at the ground or bedrock surface at 1:50,000 scale of six main types; rock, fault, fold axis, mineral vein, alteration area or landform. Features are either observed or inferred, and relate primarily to bedrock.

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

ID	Location	Category	Description
3	35m W	ROCK	Coal seam, inferred
4	45m E	ROCK	Coal seam, inferred
5	148m NW	ROCK	Coal seam, inferred
7	241m SW	ROCK	Coal seam, inferred
9	313m SW	ROCK	Coal seam, inferred
10	336m S	ROCK	Coal seam, inferred
11	423m SW	ROCK	Coal seam, inferred
12	472m N	ROCK	Coal seam, inferred

This data is sourced from the British Geological Survey.

16 Boreholes



Site Outline

Search buffers in metres (m)

Confidential

0 - 10m

10 - 30m

30m+

Unknown

16.1 BGS Boreholes

Records within 250m	137

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 100 >**

ID	Location	Grid reference	Name	Length	Confidential	Web link
A	**On site**	**434903 406461**	**LAND AT REAR OF 32 QUEENS ROAD BARNSLEY 1**	**-**	**Y**	**N/A**
A	**On site**	**434897 406486**	**LAND AT REAR OF 32 QUEENS ROAD BARNSLEY 2**	**-**	**Y**	**N/A**

ID	Location	Grid reference	Name	Length	Confidential	Web link
A	**On site**	**434894 406471**	**LAND AT REAR OF 32 QUEENS ROAD BARNSLEY WS101**	**-**	**Y**	**N/A**
A	**On site**	**434893 406462**	**LAND AT REAR OF 32 QUEENS ROAD BARNSLEY WS102**	**-**	**Y**	**N/A**
A	**On site**	**434904 406464**	**LAND AT REAR OF 32 QUEENS ROAD BARNSLEY WS103**	**-**	**Y**	**N/A**
A	**On site**	**434901 406453**	**LAND AT REAR OF 32 QUEENS ROAD BARNSLEY WS104**	**-**	**Y**	**N/A**
A	**On site**	**434889 406458**	**LAND AT REAR OF 32 QUEENS ROAD BARNSLEY WS106**	**-**	**Y**	**N/A**
A	**On site**	**434892 406486**	**LAND AT REAR OF 32 QUEENS ROAD BARNSLEY WS107**	**-**	**Y**	**N/A**
A	**On site**	**434896 406492**	**LAND AT REAR OF 32 QUEENS ROAD BARNSLEY WS108**	**-**	**Y**	**N/A**
A	**On site**	**434905 406490**	**LAND AT REAR OF 32 QUEENS ROAD BARNSLEY WS109**	**-**	**Y**	**N/A**
A	**On site**	**434899 406481**	**LAND AT REAR OF 32 QUEENS ROAD BARNSLEY WS110**	**-**	**Y**	**N/A**
A	**On site**	**434898 406475**	**LAND AT REAR OF 32 QUEENS ROAD BARNSLEY WS111**	**-**	**Y**	**N/A**
A	**On site**	**434890 406448**	**LAND AT REAR OF 32 QUEENS ROAD BARNSLEY WS105**	**-**	**Y**	**N/A**
B	35m NE	434944 406518	BARNSLEY SCHOOLS PFI - GROVE STREET ROHGS10	-	Y	N/A
B	50m NE	434956 406527	BARNSLEY SCHOOLS PFI - GROVE STREET BHGS3	-	Y	N/A
B	50m NE	434947 406536	BARNSLEY SCHOOLS PFI - GROVE STREET ROHGS7	-	Y	N/A
B	53m NE	434966 406515	BARNSLEY SCHOOLS PFI - GROVE STREET ROHGS11	-	Y	N/A
B	55m NE	434947 406541	BARNSLEY SCHOOLS PFI - GROVE STREET TPGS2	-	Y	N/A
B	64m NE	434968 406534	BARNSLEY SCHOOLS PFI - GROVE STREET ROHGS8	-	Y	N/A
B	66m NE	434976 406524	BARNSLEY SCHOOLS PFI - GROVE STREET BHGS4	-	Y	N/A
B	67m NE	434944 406557	BARNSLEY SCHOOLS PFI - GROVE STREET ROHGS4	-	Y	N/A
B	69m NE	434984 406513	BARNSLEY SCHOOLS PFI - GROVE STREET ROHGS12	-	Y	N/A
1	72m E	434985 406472	BARNSLEY SCHOOLS PFI - GROVE STREET TPGS4	-	Y	N/A

ID	Location	Grid reference	Name	Length	Confidential	Web link
B	77m NE	434968 406553	BARNSLEY SCHOOLS PFI - GROVE STREET ROHGS5	-	Y	N/A
B	77m NE	434986 406530	BARNSLEY SCHOOLS PFI - GROVE STREET ROHGS9	-	Y	N/A
B	79m NE	434958 406563	BARNSLEY SCHOOLS PFI - GROVE STREET BHGS1	-	Y	N/A
B	82m NE	434987 406537	BARNSLEY SCHOOLS PFI - GROVE STREET TPGS1	-	Y	N/A
B	83m E	434998 406514	BARNSLEY SCHOOLS PFI - GROVE STREET TPGS3	-	Y	N/A
B	87m NE	434953 406575	BARNSLEY SCHOOLS PFI - GROVE STREET ROHGS1	-	Y	N/A
B	89m NE	434987 406550	BARNSLEY SCHOOLS PFI - GROVE STREET ROHGS6	-	Y	N/A
B	92m NE	434981 406561	BARNSLEY SCHOOLS PFI - GROVE STREET BHGS2	-	Y	N/A
B	96m NE	434971 406575	BARNSLEY SCHOOLS PFI - GROVE STREET ROHGS2	-	Y	N/A
B	104m NE	434991 406569	BARNSLEY SCHOOLS PFI - GROVE STREET ROHGS3	-	Y	N/A
2	108m SE	435000 406400	ELECTRICITY WORKS BARNSLEY	128.01	N	18527990 ↗
C	114m SW	434804 406368	BARNSLEY MARKET WS124	-	Y	N/A
D	118m S	434890 406330	MALTHOUSE LANE/PONTEFRACT ROAD 7/7R	29.65	N	15938781 ↗
C	119m SW	434793 406374	BARNSLEY MARKETS PHASE 2 BH219	-	Y	N/A
C	124m SW	434814 406347	BARNSLEY MARKET WS123	-	Y	N/A
C	128m SW	434820 406338	BARNSLEY MARKETS PHASE 2 BH216	-	Y	N/A
E	129m E	435043 406524	BARNSLEY SCHOOLS PFI - GROVE STREET TPGS5	-	Y	N/A
E	131m NE	435040 406540	QUEENS GROUND BH26/26A	19.0	N	83769 ↗
C	132m SW	434814 406337	BARNSLEY MARKET WS123A	-	Y	N/A
D	139m S	434900 406310	MALTHOUSE LANE/PONTEFRACT ROAD 6	22.8	N	15938780 ↗
C	139m SW	434775 406363	BARNSLEY MARKET WS125	-	Y	N/A
C	141m SW	434791 406344	BARNSLEY MARKET WS122	-	Y	N/A
F	141m E	435050 406450	QUEENS GROUND BH31	21.0	N	83773 ↗
F	143m E	435060 406490	QUEENS GROUND BH29	20.0	N	83771 ↗
F	145m E	435060 406470	QUEENS GROUND BH30	21.0	N	83772 ↗
C	146m SW	434762 406370	BARNSLEY MARKETS PHASE 2 BH218	-	Y	N/A

ID	Location	Grid reference	Name	Length	Confidential	Web link
D	148m S	434880 406300	MALTHOUSE LANE/PONTEFRACT ROAD 5	21.3	N	15938779 ↗
E	150m E	435060 406540	QUEENS GROUND BH27A/27B	22.0	N	83770 ↗
C	150m SW	434771 406351	BARNSLEY MARKETS PHASE 2 BH217	-	Y	N/A
C	162m SW	434769 406336	BARNSLEY MARKETS PHASE 2 BH215A	-	Y	N/A
G	163m SW	434822 406298	BARNSLEY MARKET WS120	-	Y	N/A
3	163m NE	435050 406590	QUEENS GROUND BH23	17.0	N	83767 ↗
C	168m SW	434787 406312	BARNSLEY MARKET WS121	-	Y	N/A
D	168m S	434890 406280	MALTHOUSE LANE/PONTEFRACT ROAD 13	23.0	N	15938788 ↗
D	168m S	434880 406280	MALTHOUSE LANE/PONTEFRACT ROAD 4	22.0	N	15938778 ↗
D	168m S	434900 406280	MALTHOUSE LANE/PONTEFRACT ROAD 9	24.0	N	15938784 ↗
C	169m SW	434777 406319	BARNSLEY MARKETS PHASE 2 BH215	-	Y	N/A
H	173m SW	434731 406370	BARNSLEY MARKETS PHASE 2 WS263	-	Y	N/A
D	178m S	434900 406270	MALTHOUSE LANE/PONTEFRACT ROAD TP 6	4.3	N	15938800 ↗
H	179m SW	434735 406352	BARNSLEY MARKETS PHASE 2 BH210	-	Y	N/A
H	179m SW	434734 406352	BARNSLEY MARKET WS110	-	Y	N/A
4	182m NE	435050 406620	QUEENS GROUND BH20	15.0	N	83765 ↗
G	184m S	434819 406276	BARNSLEY MARKETS PHASE 2 BH214	-	Y	N/A
H	186m SW	434709 406389	BARNSLEY MARKETS PHASE 2 BH212	-	Y	N/A
H	187m SW	434713 406375	BARNSLEY MARKETS PHASE 2 WS262	-	Y	N/A
D	188m S	434880 406260	MALTHOUSE LANE/PONTEFRACT ROAD 14	23.5	N	15938789 ↗
D	188m S	434900 406260	MALTHOUSE LANE/PONTEFRACT ROAD 10	27.7	N	15938785 ↗
I	193m NE	435090 406580	QUEENS GROUND BH25	19.0	N	83768 ↗
H	197m SW	434744 406311	BARNSLEY MARKET WS105	-	Y	N/A
H	198m SW	434742 406312	BARNSLEY MARKETS PHASE 2 BH208	-	Y	N/A
H	198m SW	434707 406362	BARNSLEY MARKETS PHASE 2 WS261	-	Y	N/A

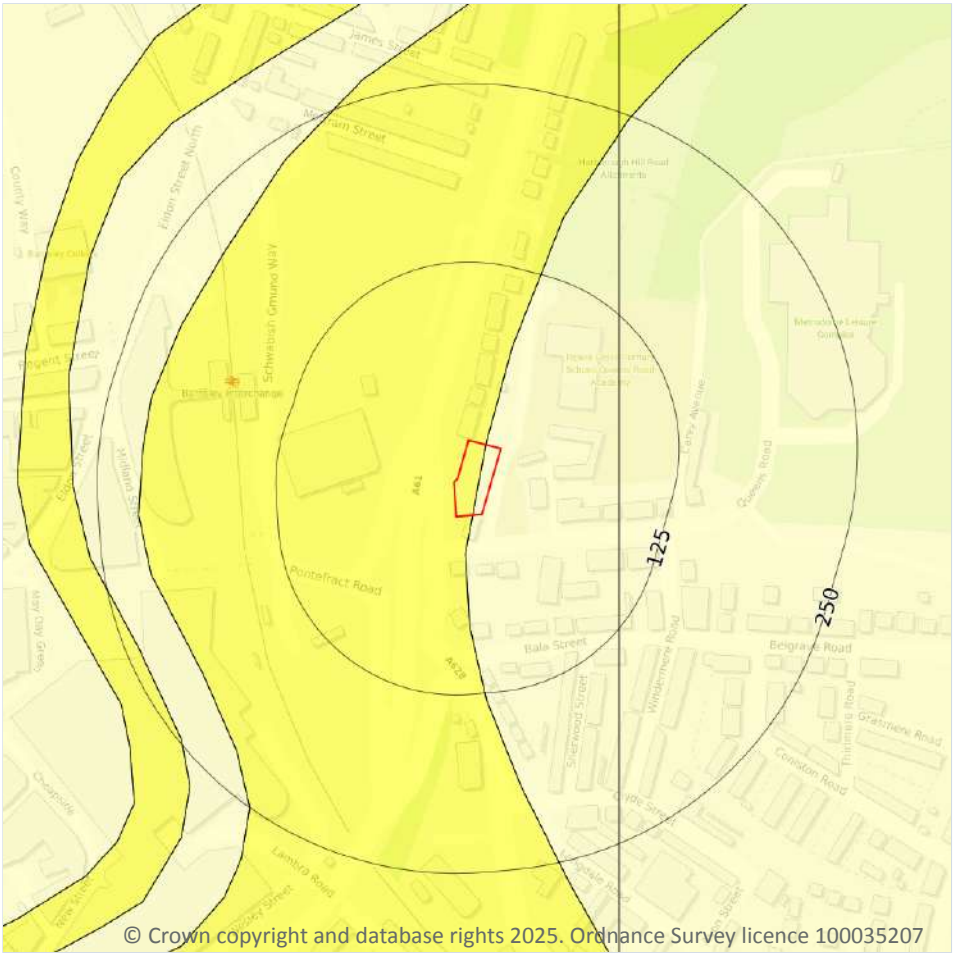
ID	Location	Grid reference	Name	Length	Confidential	Web link
D	198m S	434870 406250	MALTHOUSE LANE/PONTEFRACT ROAD 3	23.0	N	15938777 ↗
H	200m SW	434751 406300	BARNSLEY MARKETS PHASE 2 WS231	-	Y	N/A
G	203m SW	434810 406260	BARNSLEY MARKETS PHASE 2 BH213	-	Y	N/A
5	203m E	435120 406500	QUEENS GROUND BHA	3.0	N	83757 ↗
H	205m SW	434730 406314	BARNSLEY MARKETS PHASE 2 WS242	-	Y	N/A
H	206m SW	434733 406310	BARNSLEY MARKETS PHASE 2 WS264	-	Y	N/A
I	206m NE	435100 406590	QUEENS GROUND BHD	1.0	N	83760 ↗
H	207m SW	434706 406346	BARNSLEY MARKETS PHASE 2 BH209	-	Y	N/A
G	207m S	434813 406254	BARNSLEY MARKETS PHASE 2 BH213B	-	Y	N/A
H	208m W	434687 406388	BARNSLEY MARKETS PHASE 2 WS248	-	Y	N/A
H	208m SW	434761 406281	BARNSLEY MARKETS PHASE 2 WS224	-	Y	N/A
D	208m S	434870 406240	MALTHOUSE LANE/PONTEFRACT ROAD TP 5	4.3	N	15938799 ↗
D	209m S	434918 406241	LANGDALE ROAD BARNSLEY 5	16.0	N	84346 ↗
H	209m SW	434730 406308	BARNSLEY MARKETS PHASE 2 WS244	-	Y	N/A
H	209m SW	434720 406320	BARNSLEY MARKETS PHASE 2 WS240	-	Y	N/A
H	210m SW	434750 406287	BARNSLEY MARKET WS103A	-	Y	N/A
H	211m SW	434724 406313	BARNSLEY MARKETS PHASE 2 WS239	-	Y	N/A
G	211m S	434810 406251	BARNSLEY MARKET WS119	-	Y	N/A
H	211m SW	434721 406316	BARNSLEY MARKETS PHASE 2 WS245	-	Y	N/A
H	211m SW	434723 406313	BARNSLEY MARKETS PHASE 2 WS239A	-	Y	N/A
G	212m S	434810 406250	BARNSLEY MARKETS PHASE 2 BH213A	-	Y	N/A
H	214m SW	434725 406307	BARNSLEY MARKETS PHASE 2 WS243A	-	Y	N/A
H	215m SW	434724 406306	BARNSLEY MARKETS PHASE 2 WS243	-	Y	N/A
H	215m SW	434709 406325	BARNSLEY MARKETS PHASE 2 WS253	-	Y	N/A
H	215m SW	434769 406267	BARNSLEY MARKETS PHASE 2 WS225	-	Y	N/A
H	216m SW	434689 406359	BARNSLEY MARKETS PHASE 2 WS260	-	Y	N/A
I	216m NE	435100 406610	QUEENS GROUND BH22A	21.0	N	83766 ↗

ID	Location	Grid reference	Name	Length	Confidential	Web link
H	217m SW	434720 406308	BARNSLEY MARKETS PHASE 2 BH207	-	Y	N/A
H	218m SW	434755 406274	BARNSLEY MARKET WS103	-	Y	N/A
H	218m SW	434727 406299	BARNSLEY MARKETS PHASE 2 WS252	-	Y	N/A
D	218m S	434880 406230	MALTHOUSE LANE/PONTEFRACT ROAD 15	13.5	N	15938790 ↗
D	218m S	434900 406230	MALTHOUSE LANE/PONTEFRACT ROAD TP 4	4.0	N	15938798 ↗
H	219m SW	434715 406311	BARNSLEY MARKETS PHASE 2 WS241	-	Y	N/A
H	219m SW	434718 406307	BARNSLEY MARKET WS105A	-	Y	N/A
D	219m S	434860 406230	MALTHOUSE LANE/PONTEFRACT ROAD 2	26.25	N	15938776 ↗
H	220m SW	434696 406337	BARNSLEY MARKETS PHASE 2 WS246	-	Y	N/A
H	221m SW	434695 406337	BARNSLEY MARKET WS109	-	Y	N/A
H	223m SW	434758 406265	BARNSLEY MARKETS PHASE 2 WS221	-	Y	N/A
H	223m SW	434714 406305	BARNSLEY MARKETS PHASE 2 WS238	-	Y	N/A
H	225m SW	434684 406349	BARNSLEY MARKETS PHASE 2 WS237	-	Y	N/A
H	228m SW	434747 406267	BARNSLEY MARKETS PHASE 2 WS222	-	Y	N/A
H	228m SW	434738 406274	BARNSLEY MARKETS PHASE 2 WS227	-	Y	N/A
H	231m SW	434703 406306	BARNSLEY MARKETS PHASE 2 WS255	-	Y	N/A
H	232m SW	434787 406238	BARNSLEY MARKETS PHASE 2 WS226	-	Y	N/A
D	234m S	434919 406216	LANGDALE ROAD BARNSLEY 4	21.0	N	84345 ↗
H	234m SW	434770 406244	BARNSLEY MARKETS PHASE 2 WS233	-	Y	N/A
H	235m SW	434721 406280	BARNSLEY MARKETS PHASE 2 WS228	-	Y	N/A
H	236m SW	434707 406294	BARNSLEY MARKETS PHASE 2 WS254	-	Y	N/A
D	239m S	434860 406210	MALTHOUSE LANE/PONTEFRACT ROAD 18	16.5	N	15938793 ↗
D	241m S	434850 406210	MALTHOUSE LANE/PONTEFRACT ROAD 1	12.5	N	15938775 ↗
H	242m SW	434678 406324	BARNSLEY MARKETS PHASE 2 WS250	-	Y	N/A
6	242m E	435150 406560	QUEENS GROUND BHC	6.0	N	83759 ↗
7	242m NE	435130 406610	QUEENS GROUND BHE	1.0	N	83761 ↗

ID	Location	Grid reference	Name	Length	Confidential	Web link
8	243m E	435160 406500	QUEENS GROUND BH16	17.0	N	83764 ↗
H	243m SW	434747 406248	BARNSLEY MARKETS PHASE 2 WS232	-	Y	N/A
H	244m SW	434670 406334	BARNSLEY MARKETS PHASE 2 WS249	-	Y	N/A
H	244m SW	434778 406229	BARNSLEY MARKETS PHASE 2 BH201	-	Y	N/A
9	245m SW	434656 406363	BARNSLEY MARKETS PHASE 2 BH211	-	Y	N/A
H	245m SW	434762 406236	BARNSLEY MARKETS PHASE 2 BH220	-	Y	N/A
H	247m SW	434714 406270	BARNSLEY MARKETS PHASE 2 WS229	-	Y	N/A
D	248m S	434880 406200	MALTHOUSE LANE/PONTEFRACT ROAD 17	15.5	N	15938792 ↗
D	248m S	434900 406200	MALTHOUSE LANE/PONTEFRACT ROAD 11	14.8	N	15938786 ↗
H	248m SW	434722 406261	BARNSLEY MARKETS PHASE 2 WS230	-	Y	N/A

This data is sourced from the British Geological Survey.

17 Natural ground subsidence - Shrink swell clays



Site Outline

Search buffers in metres (m)

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

17.1 Shrink swell clays

Records within 50m	2

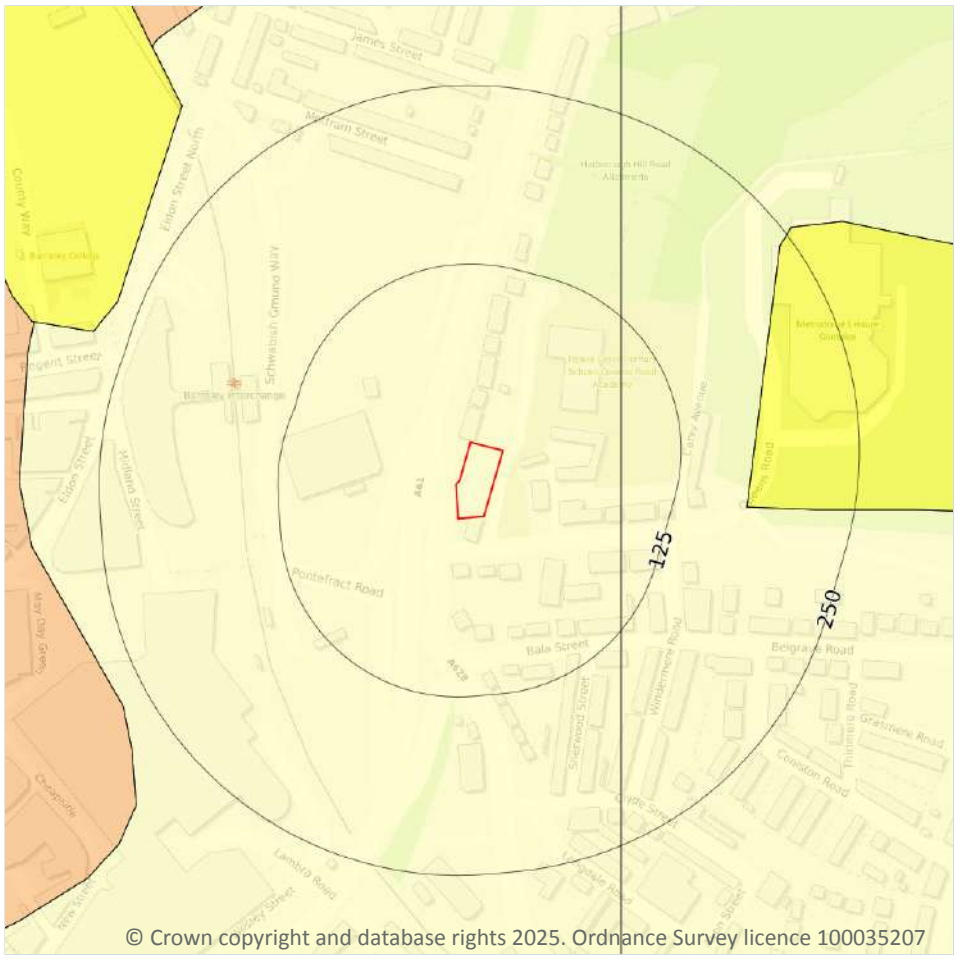
The potential hazard presented by soils that absorb water when wet (making them swell), and lose water as they dry (making them shrink). This shrink-swell behaviour is controlled by the type and amount of clay in the soil, and by seasonal changes in the soil moisture content (related to rainfall and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

Features are displayed on the Natural ground subsidence - Shrink swell clays map on **page 107 >**

Location	Hazard rating	Details
On site	**Negligible**	**Ground conditions predominantly non-plastic.**
On site	**Very low**	**Ground conditions predominantly low plasticity.**

This data is sourced from the British Geological Survey.

Natural ground subsidence - Running sands



Site Outline

Search buffers in metres (m)

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

17.2 Running sands

Records within 50m	1

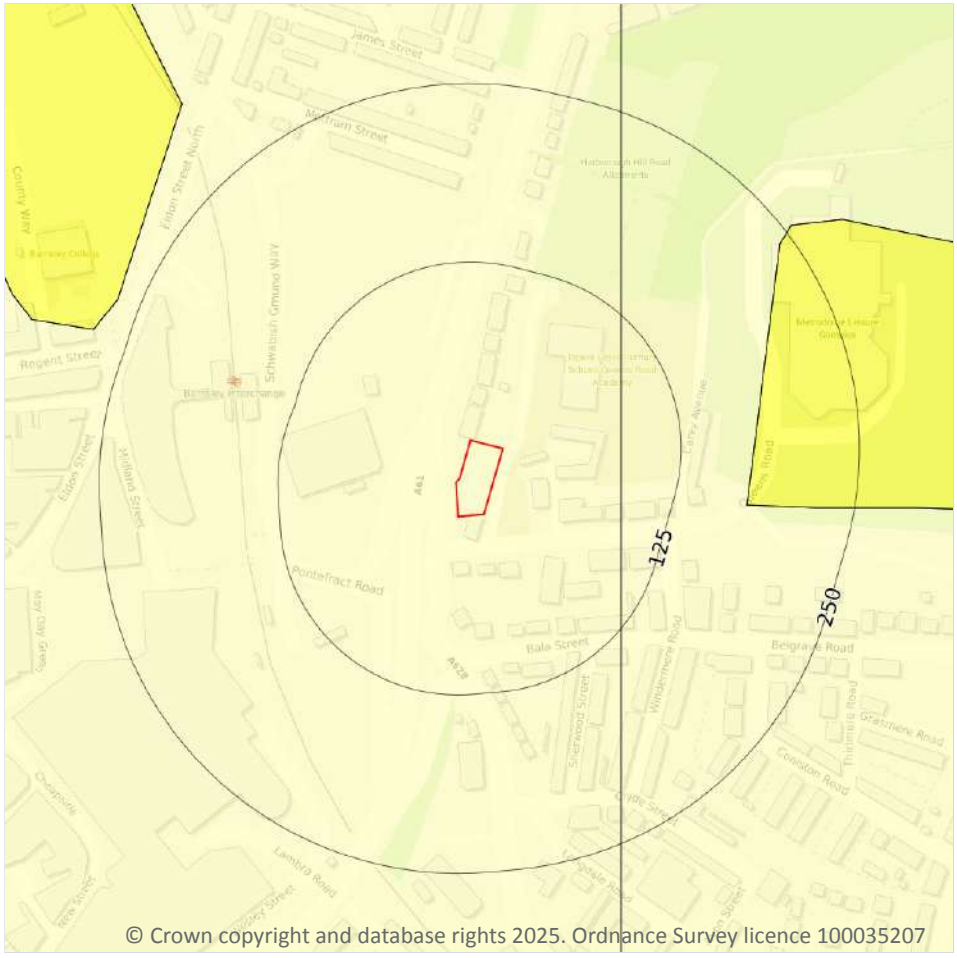
The potential hazard presented by rocks that can contain loosely-packed sandy layers that can become fluidised by water flowing through them. Such sands can 'run', removing support from overlying buildings and causing potential damage.

Features are displayed on the Natural ground subsidence - Running sands map on **page 108 >**

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

This data is sourced from the British Geological Survey.

Natural ground subsidence - Compressible deposits



Site Outline

Search buffers in metres (m)

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

17.3 Compressible deposits

Records within 50m	1

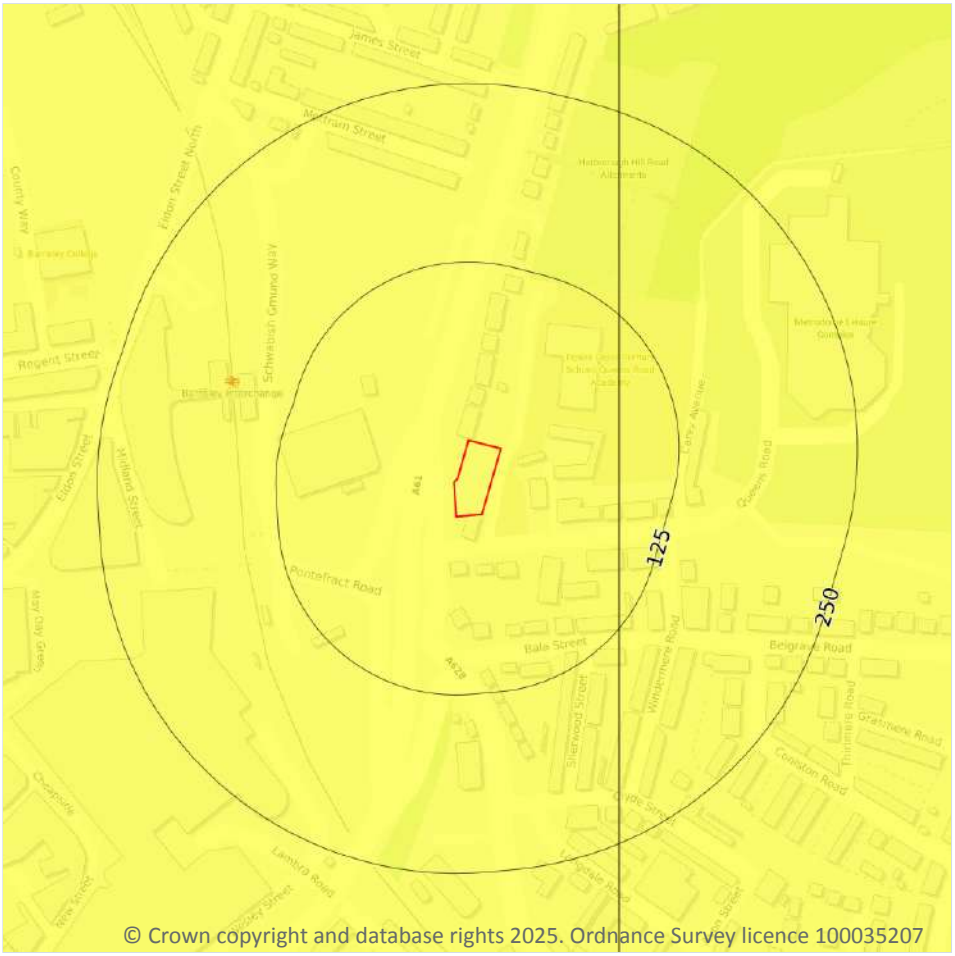
The potential hazard presented by types of ground that may contain layers of very soft materials like clay or peat and may compress if loaded by overlying structures, or if the groundwater level changes, potentially resulting in depression of the ground and disturbance of foundations.

Features are displayed on the Natural ground subsidence - Compressible deposits map on **page 109 >**

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

This data is sourced from the British Geological Survey.

Natural ground subsidence - Collapsible deposits



Site Outline

Search buffers in metres (m)

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

17.4 Collapsible deposits

Records within 50m	1

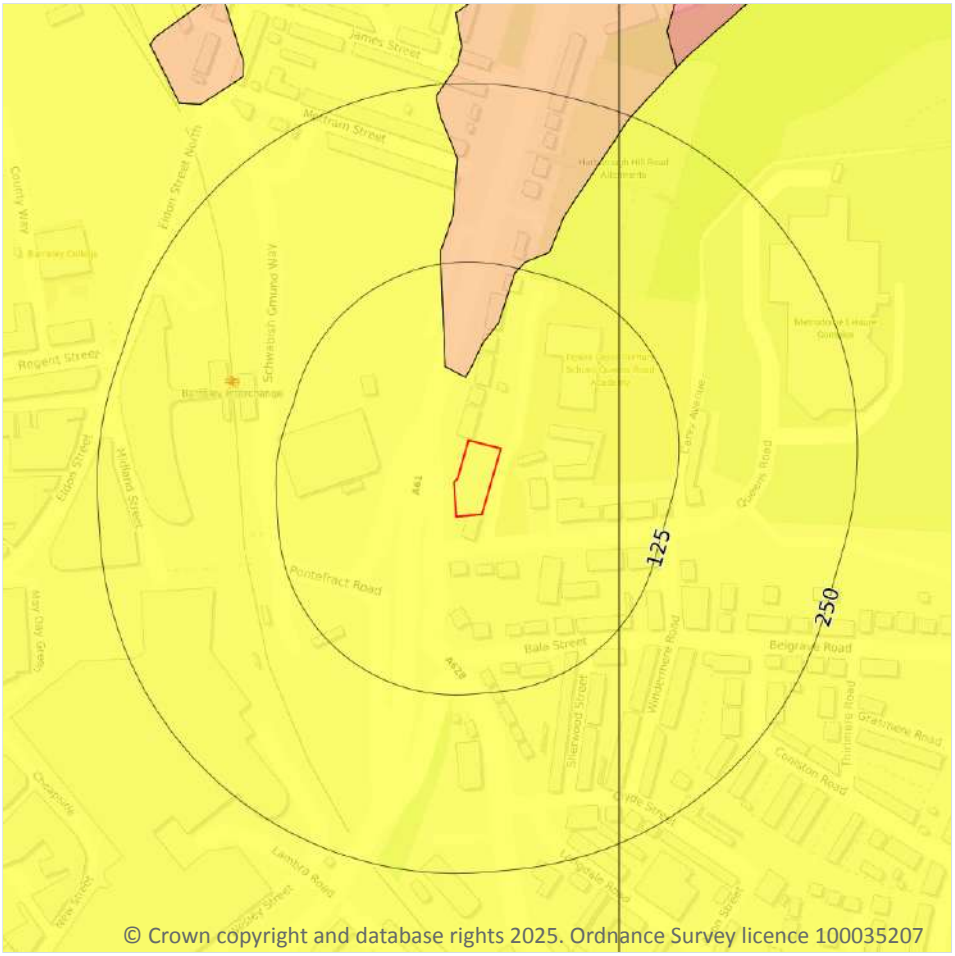
The potential hazard presented by natural deposits that could collapse when a load (such as a building) is placed on them or they become saturated with water.

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

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

This data is sourced from the British Geological Survey.

Natural ground subsidence - Landslides



Site Outline

Search buffers in metres (m)

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

17.5 Landslides

Records within 50m	2

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.

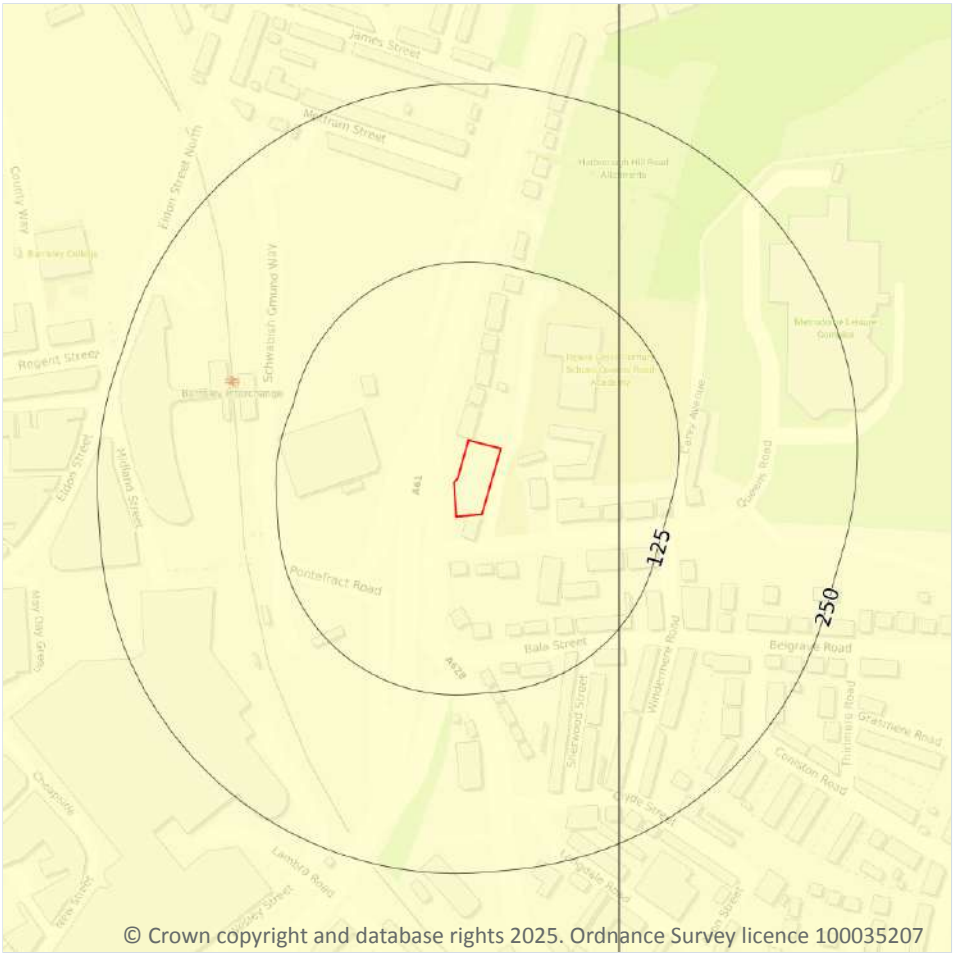
Features are displayed on the Natural ground subsidence - Landslides map on **page 111 >**

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

Location	Hazard rating	Details
44m N	Low	Slope instability problems may be present or anticipated. Site investigation should consider specifically the slope stability of the site.

This data is sourced from the British Geological Survey.

Natural ground subsidence - Ground dissolution of soluble rocks



Site Outline

Search buffers in metres (m)

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

17.6 Ground dissolution of soluble rocks

Records within 50m	1

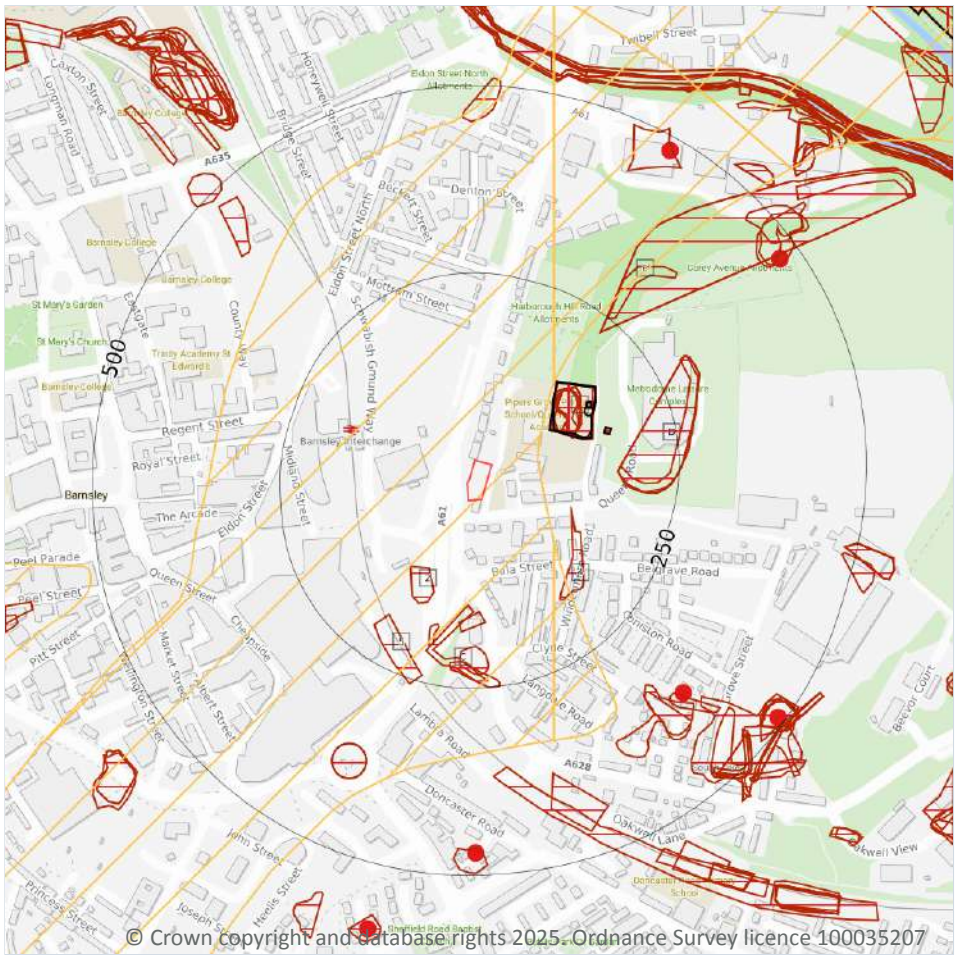
The potential hazard presented by ground dissolution, which occurs when water passing through soluble rocks produces underground cavities and cave systems. These cavities reduce support to the ground above and can cause localised collapse of the overlying rocks and deposits.

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

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

This data is sourced from the British Geological Survey.

18 Mining 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	5

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 115 >**

ID	Location	Details	Description
F	373m SE	Name: Oakwell Address: Oakwell, BARNSLEY, South Yorkshire Commodity: Sandstone Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Delf, Delph, Gravel Pit, Sand Pit, Sand and Gravel Pit, Clay Pit, Pit, Opencast Coal Site or Surface Mine. It may be mapped as Worked Ground or Worked and Made Ground on BGS mapping. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.
J	470m S	Name: Taylor Row Address: Taylor Row, BARNSLEY, South Yorkshire Commodity: Sandstone Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Delf, Delph, Gravel Pit, Sand Pit, Sand and Gravel Pit, Clay Pit, Pit, Opencast Coal Site or Surface Mine. It may be mapped as Worked Ground or Worked and Made Ground on BGS mapping. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.
E	472m NE	Name: Eaming Wood Address: Old Mill, BARNSLEY, South Yorkshire Commodity: Sandstone Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Delf, Delph, Gravel Pit, Sand Pit, Sand and Gravel Pit, Clay Pit, Pit, Opencast Coal Site or Surface Mine. It may be mapped as Worked Ground or Worked and Made Ground on BGS mapping. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.
B	481m NE	Name: Mount Osborne Colliery Address: Old Mill, BARNSLEY, South Yorkshire Commodity: Coal, Deep Status: Ceased	Type: Working is wholly underground, access by shaft, adit, drift or incline. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun' Ee' - Scots). May also be locally termed `Quarry' or `Underground Quarry' when referring to sites extracting building stone (e.g. in Dorset and Wiltshire). The location given is that of the mine entrance and may be approximate for older sites shown on contemporaneous mapping by the Geological Survey used as the source document. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.

ID	Location	Details	Description
I	490m SE	Name: Beevor Hall Quarry Address: Oakwell, BARNSLEY, South Yorkshire Commodity: Sandstone Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Delf, Delph, Gravel Pit, Sand Pit, Sand and Gravel Pit, Clay Pit, Pit, Opencast Coal Site or Surface Mine. It may be mapped as Worked Ground or Worked and Made Ground on BGS mapping. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.

This data is sourced from the British Geological Survey.

18.2 Surface ground workings

Records within 250m	**30**

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 115 >**

ID	Location	Land Use	Year of mapping	Mapping scale
A	90m NE	Colliery	1948	1:10560
A	91m NE	Colliery	1938	1:10560
A	91m NE	Colliery	1938	1:10560
A	95m NE	Colliery	1955	1:10560
A	99m NE	Unspecified Heap	1992	1:10000
A	99m NE	Unspecified Heap	1982	1:10000
A	99m NE	Unspecified Heap	1974	1:10000
A	99m NE	Unspecified Heap	1966	1:10560
2	104m SW	Unspecified Heap	1904	1:10560
A	105m NE	Refuse Heap	1955	1:10560
A	106m NE	Refuse Heap	1948	1:10560
A	110m NE	Refuse Heaps	1938	1:10560
A	110m NE	Refuse Heaps	1938	1:10560
4	119m E	Unspecified Quarry	1890	1:10560

ID	Location	Land Use	Year of mapping	Mapping scale
C	140m S	Unspecified Ground Workings	1904	1:10560
A	147m NE	Unspecified Drift	1948	1:10560
A	148m NE	Drift	1938	1:10560
A	148m NE	Drift	1938	1:10560
C	149m S	Refuse Heap	1890	1:10560
A	156m E	Unspecified Drift	1955	1:10560
D	168m E	Unspecified Heap	1938	1:10560
D	168m E	Unspecified Heap	1938	1:10560
D	168m E	Unspecified Ground Workings	1948	1:10560
C	170m S	Unspecified Ground Workings	1973	1:10000
5	185m SW	Cuttings	1850	1:10560
C	195m S	Unspecified Pit	1890	1:10560
C	215m S	Unspecified Ground Workings	1966	1:10560
E	229m NE	Unspecified Heap	1938	1:10560
E	229m NE	Unspecified Heap	1938	1:10560
6	249m NE	Unspecified Ground Workings	1904	1:10560

This is data is sourced from Ordnance Survey/Groundsure.

18.3 Underground workings

Records within 1000m **14**

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 115 >**

ID	Location	Land Use	Year of mapping	Mapping scale
A	90m NE	Colliery	1948	1:10560
A	95m NE	Colliery	1955	1:10560
A	142m NE	Disused Air Shaft	1966	1:10560
A	147m NE	Unspecified Drift	1948	1:10560

ID	Location	Land Use	Year of mapping	Mapping scale
A	156m E	Unspecified Drift	1955	1:10560
-	776m SW	Colliery	1890	1:10560
18	827m NE	Colliery	1948	1:10560
-	896m NE	Unspecified Drift	1948	1:10560
-	924m NE	Unspecified Old Shaft	1948	1:10560
-	924m NE	Unspecified Old Shaft	1904	1:10560
-	929m NE	Unspecified Old Shaft	1955	1:10560
-	933m NE	Unspecified Disused Shaft	1992	1:10000
-	933m NE	Unspecified Disused Shaft	1982	1:10000
-	933m NE	Unspecified Disused Shaft	1974	1:10000

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 115 >**

ID	Location	Name	Commodity	Class	Likelihood
1	**On site**	**Not available**	**Iron Ore (Bedded)**	**B**	**Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.**
3	111m SE	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
B	137m NE	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
11	514m W	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
14	560m NE	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
-	631m N	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
-	835m SW	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.

ID	Location	Name	Commodity	Class	Likelihood
-	836m SW	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
-	859m W	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
-	860m SW	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
-	889m SW	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
-	992m SW	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not 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	0

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

This data is sourced from Groundsure.

18.12 Coal mining

Records on site	1

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

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

This data is sourced from the Coal Authority.

18.13 Brine areas

Records on site	0

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

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

18.14 Gypsum areas

Records on site	0

Generalised areas that may be affected by gypsum extraction.

This data is sourced from British Gypsum.

18.15 Tin mining

Records on site	0

Generalised areas that may be affected by historical tin mining.

This data is sourced from Groundsure.

18.16 Clay mining

Records on site	0

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

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

19 Ground cavities and sinkholes

19.1 Natural cavities

Records within 500m	0

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

This data is sourced from Stantec UK Ltd.

19.2 Mining cavities

Records within 1000m	0

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

This data is sourced from Stantec UK Ltd.

19.3 Reported recent incidents

Records within 500m	0

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

This data is sourced from Groundsure.

19.4 Historical incidents

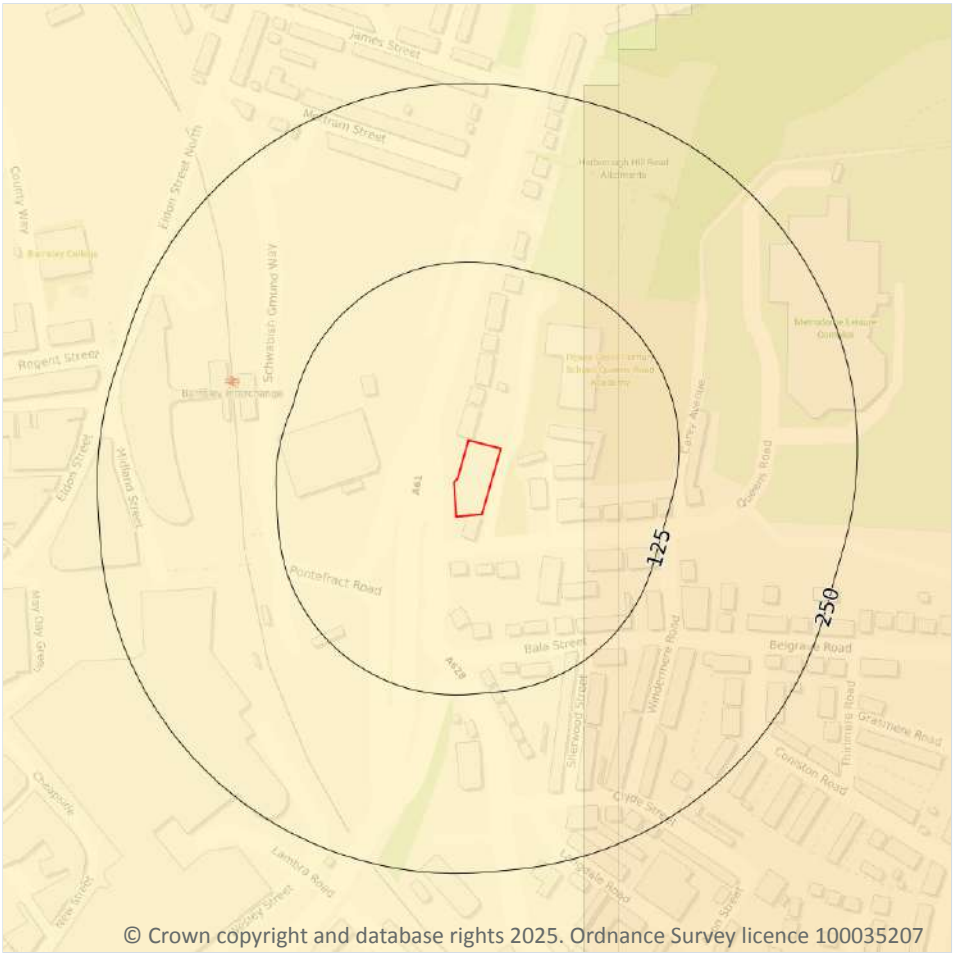
Records within 500m	0

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

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

This data is sourced from Groundsure.

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 126 >**

Location	Estimated properties affected	Radon Protection Measures required
On site	**Between 1% and 3%**	**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	2

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

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	**15 - 25 mg/kg**	**No data**	**100 - 200 mg/kg**	**60 - 120 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**30 - 45 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 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 km^2).

This data is sourced from the British Geological Survey.

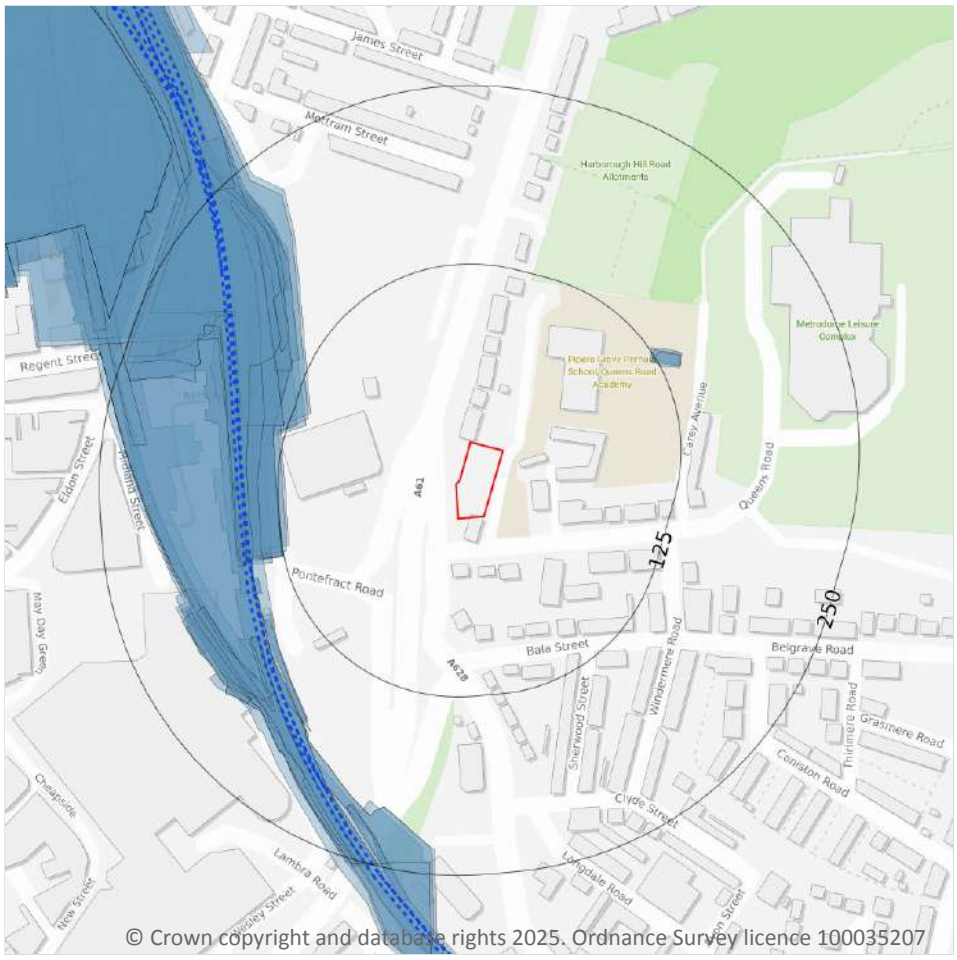
21.3 BGS Measured Urban Soil Chemistry

Records within 50m	0

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

This data is sourced from the British Geological Survey.

22 Railway infrastructure and projects



Site Outline

Search buffers in metres (m)

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

22.1 Underground railways (London)

Records within 250m	0

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

This data is sourced from publicly available information by Groundsure.

22.2 Underground railways (Non-London)

Records within 250m	0

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

This data is sourced from publicly available information by Groundsure.

22.3 Railway tunnels

Records within 250m	0

Railway tunnels taken from contemporary Ordnance Survey mapping.

This data is sourced from the Ordnance Survey.

22.4 Historical railway and tunnel features

Records within 250m	38

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 129 >**

Location	Land Use	Year of mapping	Mapping scale
113m W	Railway Sidings	1948	10560
113m W	Railway Sidings	1966	10560
114m W	Railway Sidings	1956	10560
119m W	Railway	1929	-
121m NE	Railway Sidings	1955	10560
121m NE	Railway Sidings	1938	10560
124m NE	Railway Sidings	1948	10560
125m W	Railway Sidings	1962	2500
125m W	Railway Sidings	1961	1250
126m W	Railway Sidings	1938	10560
128m W	Railway Sidings	1973	10000
128m W	Railway Sidings	1982	10000
132m W	Railway Sidings	1961	1250
132m W	Railway Sidings	1929	10560
135m NW	Railway Sidings	1850	10560
139m W	Railway Sidings	1890	10560
140m NW	Railway	1893	-

Location	Land Use	Year of mapping	Mapping scale
140m NW	Railway	1906	-
144m W	Railway	1932	-
144m W	Railway Sidings	1906	2500
144m W	Railway Sidings	1893	2500
145m W	Railway Sidings	1904	10560
148m SW	Railway Sidings	1961	1250
149m W	Railway Sidings	1850	10560
150m SW	Railway Sidings	1962	2500
150m W	Railway Sidings	1987	1250
150m W	Railway Sidings	1972	1250
162m SW	Railway Sidings	1961	1250
164m SW	Railway Sidings	1962	2500
179m SW	Railway Sidings	1956	10560
191m SW	Railway Sidings	1948	10560
192m NW	Railway Sidings	1962	2500
192m SW	Railway Sidings	1929	10560
213m S	Railway Sidings	1962	2500
216m NW	Railway Sidings	1961	1250
219m W	Railway Sidings	1961	1250
242m S	Railway	1835	-
243m NW	Railway Sidings	1993	10000

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	11

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

Features are displayed on the Railway infrastructure and projects map on **page 129 >**

Location	Name	Type
148m W	Hallam Line	rail
150m W	Not given	Multi Track
150m W	Not given	Multi Track
152m W	Hallam Line	rail
152m SW	Hallam Line	rail
169m W	Not given	Multi Track
170m NW	Hallam Line	rail
174m W	Hallam Line	rail
182m SW	Hallam Line	rail
197m NW	Hallam Line	rail
210m NW	Hallam Line	rail

This data is sourced from Ordnance Survey and OpenStreetMap.

22.8 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.

22.9 HS2

Records within 500m	0

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

This data is sourced from HS2 ltd.

Data providers

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

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