Groundsure
LOCATION INTELLIGENCE

Enviro+Geo Insight

408, WAKEFIELD ROAD, DENBY DALE, HUDDERSFIELD, KIRKLEES, HD8 8RP

Order Details

Date: 08/08/2024

Your ref: ADP Architecture

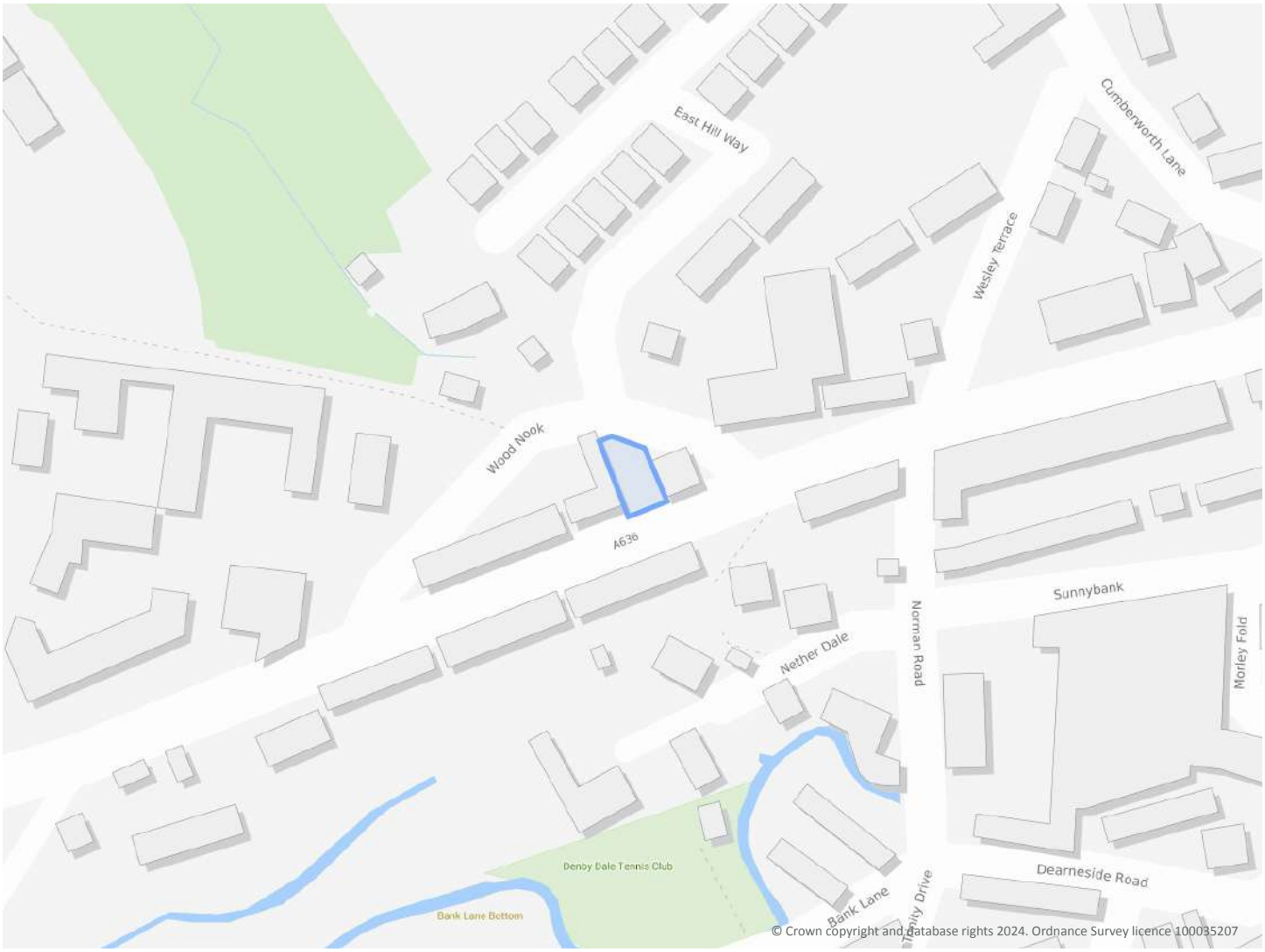
Our Ref: GS-C4U-388-GPI-FHB

Site Details

Location: 422680 408489

Area: 0.02 ha

Authority: Kirklees Council ↗



Summary of findings p. 2 >

Aerial image p. 9 >

OS MasterMap site plan p.14 >

Insight User Guide ↗

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	6	39	62	-
19 >	1.2 >	Historical tanks >	0	0	9	18	-
21 >	1.3 >	Historical energy features >	0	0	5	5	-
21	1.4	Historical petrol stations	0	0	0	0	-
22	1.5	Historical garages	0	0	0	0	-
22	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
23 >	2.1 >	Historical industrial land uses >	0	9	46	84	-
29 >	2.2 >	Historical tanks >	0	0	13	32	-
30 >	2.3 >	Historical energy features >	0	0	9	9	-
31	2.4	Historical petrol stations	0	0	0	0	-
32	2.5	Historical garages	0	0	0	0	-
Page	Section	Waste and landfill >	On site	0-50m	50-250m	250-500m	500-2000m
33	3.1	Active or recent landfill	0	0	0	0	-
33	3.2	Historical landfill (BGS records)	0	0	0	0	-
34	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
34 >	3.4 >	Historical landfill (EA/NRW records) >	0	0	2	0	-
34	3.5	Historical waste sites	0	0	0	0	-
35	3.6	Licensed waste sites	0	0	0	0	-
35 >	3.7 >	Waste exemptions >	0	1	11	14	-
Page	Section	Current industrial land use >	On site	0-50m	50-250m	250-500m	500-2000m
38 >	4.1 >	Recent industrial land uses >	0	1	18	-	-
40	4.2	Current or recent petrol stations	0	0	0	0	-
40	4.3	Electricity cables	0	0	0	0	-
40	4.4	Gas pipelines	0	0	0	0	-
40	4.5	Sites determined as Contaminated Land	0	0	0	0	-

40	4.6	Control of Major Accident Hazards (COMAH)	0	0	0	0	-
41	4.7	Regulated explosive sites	0	0	0	0	-
41	4.8	Hazardous substance storage/usage	0	0	0	0	-
41	4.9	Historical licensed industrial activities (IPC)	0	0	0	0	-
41	4.10	Licensed industrial activities (Part A(1))	0	0	0	0	-
41 >	**4.11 >**	**Licensed pollutant release (Part A(2)/B) >**	0	0	1	1	-
42	4.12	Radioactive Substance Authorisations	0	0	0	0	-
42 >	**4.13 >**	**Licensed Discharges to controlled waters >**	0	0	1	2	-
43	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
43	4.15	Pollutant release to public sewer	0	0	0	0	-
43	4.16	List 1 Dangerous Substances	0	0	0	0	-
43	4.17	List 2 Dangerous Substances	0	0	0	0	-
43 >	**4.18 >**	**Pollution Incidents (EA/NRW) >**	0	1	0	0	-
44	4.19	Pollution inventory substances	0	0	0	0	-
44	4.20	Pollution inventory waste transfers	0	0	0	0	-
44	4.21	Pollution inventory radioactive waste	0	0	0	0	-
Page	Section	Hydrogeology	On site	0-50m	50-250m	250-500m	500-2000m
45	5.1	Superficial aquifer	None (within 500m)				
46 >	**5.2 >**	**Bedrock aquifer >**	Identified (within 500m)				
47 >	**5.3 >**	**Groundwater vulnerability >**	Identified (within 50m)				
48	5.4	Groundwater vulnerability- soluble rock risk	None (within 0m)				
48	5.5	Groundwater vulnerability- local information	None (within 0m)				
49 >	**5.6 >**	**Groundwater abstractions >**	0	0	0	1	13
53 >	**5.7 >**	**Surface water abstractions >**	0	0	0	4	4
55	5.8	Potable abstractions	0	0	0	0	0
55	5.9	Source Protection Zones	0	0	0	0	-
55	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-
Page	Section	**Hydrology >**	On site	0-50m	50-250m	250-500m	500-2000m
56 >	**6.1 >**	**Water Network (OS MasterMap) >**	1	4	15	-	-

58 >	6.2 >	Surface water features >	0	1	4	-	-
58 >	6.3 >	WFD Surface water body catchments >	1	-	-	-	-
59 >	6.4 >	WFD Surface water bodies >	0	1	0	-	-
59 >	6.5 >	WFD Groundwater bodies >	1	-	-	-	-
Page	Section	River and coastal flooding	On site	0-50m	50-250m	250-500m	500-2000m
60	7.1	Risk of flooding from rivers and the sea	None (within 50m)				
60	7.2	Historical Flood Events	0	0	0	-	-
60	7.3	Flood Defences	0	0	0	-	-
61	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
61	7.5	Flood Storage Areas	0	0	0	-	-
62	7.6	Flood Zone 2	None (within 50m)				
62	7.7	Flood Zone 3	None (within 50m)				
Page	Section	Surface water flooding >					
63 >	8.1 >	Surface water flooding >	1 in 30 year, 0.3m - 1.0m (within 50m)				
Page	Section	Groundwater flooding >					
65 >	9.1 >	Groundwater flooding >	Negligible (within 50m)				
Page	Section	Environmental designations >	On site	0-50m	50-250m	250-500m	500-2000m
66	10.1	Sites of Special Scientific Interest (SSSI)	0	0	0	0	0
67	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
67	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
67	10.4	Special Protection Areas (SPA)	0	0	0	0	0
67	10.5	National Nature Reserves (NNR)	0	0	0	0	0
68	10.6	Local Nature Reserves (LNR)	0	0	0	0	0
68 >	10.7 >	Designated Ancient Woodland >	0	0	0	3	8
69	10.8	Biosphere Reserves	0	0	0	0	0
69	10.9	Forest Parks	0	0	0	0	0
69	10.10	Marine Conservation Zones	0	0	0	0	0
69 >	10.11 >	Green Belt >	0	0	1	0	2
70	10.12	Proposed Ramsar sites	0	0	0	0	0

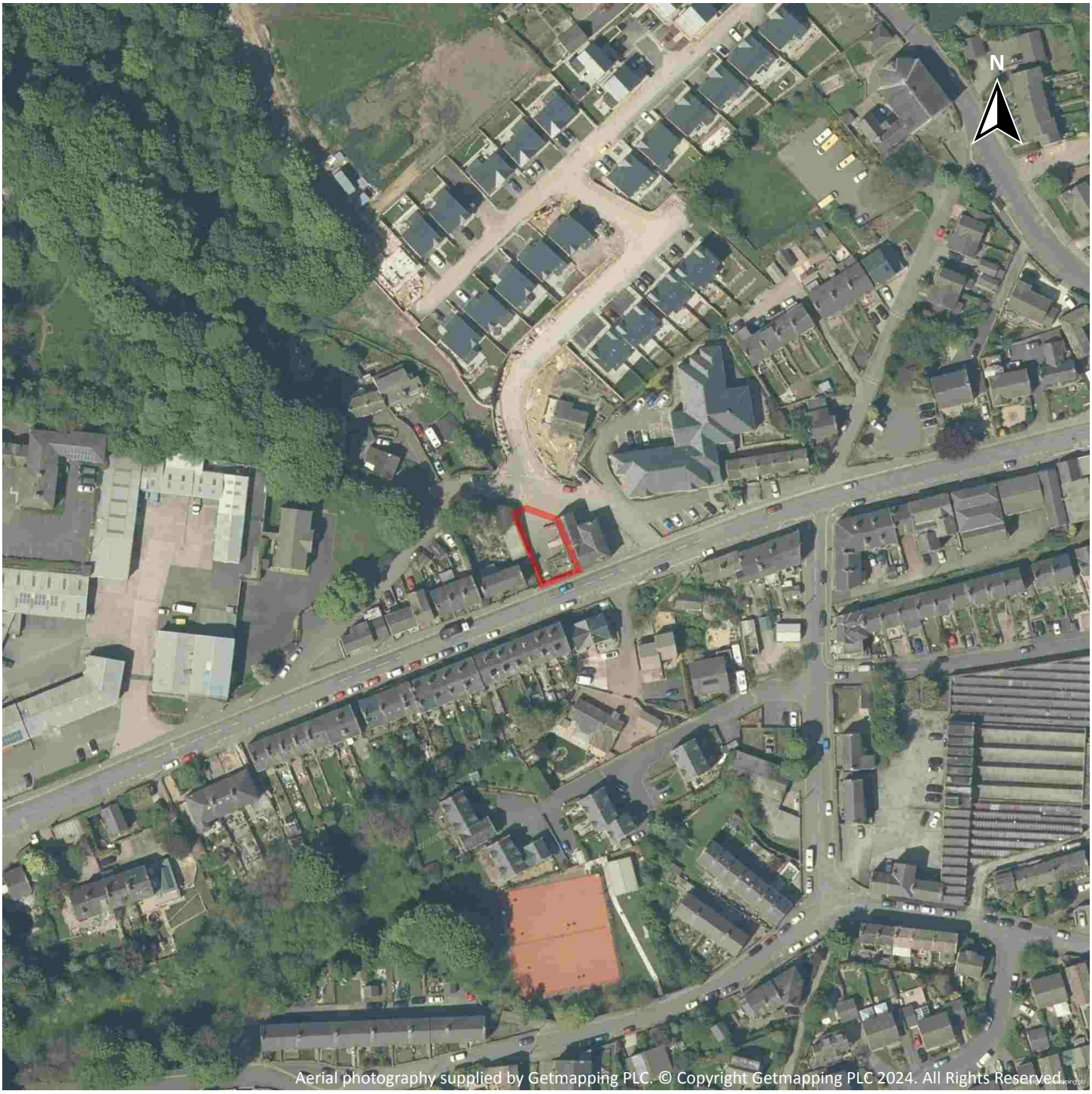
70	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
70	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
70	10.15	Nitrate Sensitive Areas	0	0	0	0	0
71 >	**10.16 >**	**Nitrate Vulnerable Zones >**	1	0	0	0	1
72 >	**10.17 >**	**SSSI Impact Risk Zones >**	1	-	-	-	-
73	10.18	SSSI Units	0	0	0	0	0
Page	Section	**Visual and cultural designations >**	On site	0-50m	50-250m	250-500m	500-2000m
74	11.1	World Heritage Sites	0	0	0	-	-
75	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
75	11.3	National Parks	0	0	0	-	-
75 >	**11.4 >**	**Listed Buildings >**	0	0	2	-	-
76	11.5	Conservation Areas	0	0	0	-	-
76	11.6	Scheduled Ancient Monuments	0	0	0	-	-
76	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	**Agricultural designations >**	On site	0-50m	50-250m	250-500m	500-2000m
77 >	**12.1 >**	**Agricultural Land Classification >**	Grade 4 (within 250m)				
78	12.2	Open Access Land	0	0	0	-	-
78	12.3	Tree Felling Licences	0	0	0	-	-
78	12.4	Environmental Stewardship Schemes	0	0	0	-	-
78 >	**12.5 >**	**Countryside Stewardship Schemes >**	0	0	1	-	-
Page	Section	**Habitat designations >**	On site	0-50m	50-250m	250-500m	500-2000m
79 >	**13.1 >**	**Priority Habitat Inventory >**	0	1	1	-	-
80	13.2	Habitat Networks	0	0	0	-	-
80	13.3	Open Mosaic Habitat	0	0	0	-	-
80	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
81 >	**14.1 >**	**10k Availability >**	Identified (within 500m)				
82 >	**14.2 >**	**Artificial and made ground (10k) >**	0	0	1	6	-
84 >	**14.3 >**	**Superficial geology (10k) >**	0	0	1	1	-

85 >	14.4 >	Landslip (10k) >	0	0	0	3	-
86 >	14.5 >	Bedrock geology (10k) >	1	0	4	12	-
87 >	14.6 >	Bedrock faults and other linear features (10k) >	0	0	6	12	-
Page	Section	Geology 1:50,000 scale >	On site	0-50m	50-250m	250-500m	500-2000m
89 >	15.1 >	50k Availability >	Identified (within 500m)				
90 >	15.2 >	Artificial and made ground (50k) >	0	0	1	1	-
91	15.3	Artificial ground permeability (50k)	0	0	-	-	-
92 >	15.4 >	Superficial geology (50k) >	0	0	1	1	-
93	15.5	Superficial permeability (50k)	None (within 50m)				
93 >	15.6 >	Landslip (50k) >	0	0	0	1	-
93	15.7	Landslip permeability (50k)	None (within 50m)				
94 >	15.8 >	Bedrock geology (50k) >	1	0	3	12	-
95 >	15.9 >	Bedrock permeability (50k) >	Identified (within 50m)				
96 >	15.10 >	Bedrock faults and other linear features (50k) >	0	0	5	12	-
Page	Section	Boreholes	On site	0-50m	50-250m	250-500m	500-2000m
97	16.1	BGS Boreholes	0	0	0	-	-
Page	Section	Natural ground subsidence >					
98 >	17.1 >	Shrink swell clays >	Negligible (within 50m)				
99 >	17.2 >	Running sands >	Negligible (within 50m)				
100 >	17.3 >	Compressible deposits >	Negligible (within 50m)				
101 >	17.4 >	Collapsible deposits >	Very low (within 50m)				
102 >	17.5 >	Landslides >	Very low (within 50m)				
103 >	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
105 >	18.1 >	BritPits >	0	0	0	2	-
106 >	18.2 >	Surface ground workings >	0	4	28	-	-
107 >	18.3 >	Underground workings >	0	0	0	1	8
108	18.4	Underground mining extents	0	0	0	0	-
108 >	18.5 >	Historical Mineral Planning Areas >	0	0	1	2	-

109 >	18.6 >	Non-coal mining >	0	0	0	0	1
109	18.7	JPB mining areas	None (within 0m)				
109	18.8	The Coal Authority non-coal mining	0	0	0	0	-
110 >	18.9 >	Researched mining >	0	0	1	6	-
110 >	18.10 >	Mining record office plans >	0	0	1	0	-
110	18.11	BGS mine plans	0	0	0	0	-
111 >	18.12 >	Coal mining >	Identified (within 0m)				
111	18.13	Brine areas	None (within 0m)				
111	18.14	Gypsum areas	None (within 0m)				
111	18.15	Tin mining	None (within 0m)				
111	18.16	Clay mining	None (within 0m)				
Page	Section	Ground cavities and sinkholes >	On site	0-50m	50-250m	250-500m	500-2000m
112	19.1	Natural cavities	0	0	0	0	-
113 >	19.2 >	Mining cavities >	0	0	0	1	2
113	19.3	Reported recent incidents	0	0	0	0	-
113	19.4	Historical incidents	0	0	0	0	-
114	19.5	National karst database	0	0	0	0	-
Page	Section	Radon >					
115 >	20.1 >	Radon >	Less than 1% (within 0m)				
Page	Section	Soil chemistry >	On site	0-50m	50-250m	250-500m	500-2000m
117 >	21.1 >	BGS Estimated Background Soil Chemistry >	2	0	-	-	-
117	21.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
117	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
118	22.1	Underground railways (London)	0	0	0	-	-
118	22.2	Underground railways (Non-London)	0	0	0	-	-
119	22.3	Railway tunnels	0	0	0	-	-
119 >	22.4 >	Historical railway and tunnel features >	0	0	8	-	-
119	22.5	Royal Mail tunnels	0	0	0	-	-

120	22.6	Historical railways	0	0	0	-	-
120 >	**22.7 >**	**Railways >**	0	0	3	-	-
120	22.8	Crossrail 1	0	0	0	0	-
120	22.9	Crossrail 2	0	0	0	0	-
121	22.10	HS2	0	0	0	0	-

Recent aerial photograph



Capture Date: 30/05/2021

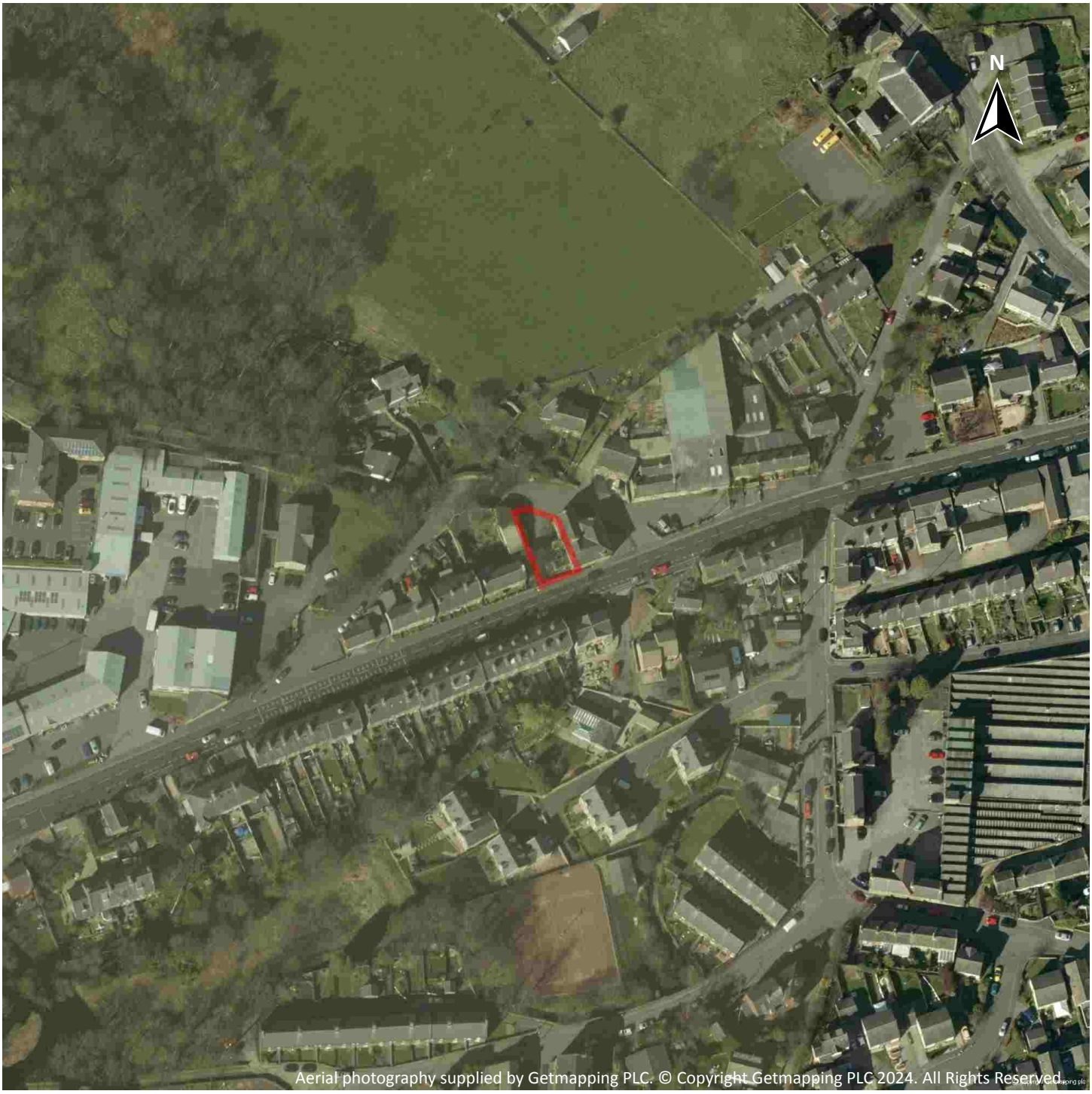
Site Area: 0.02ha

Recent site history - 2018 aerial photograph

Capture Date: 29/06/2018

Site Area: 0.02ha

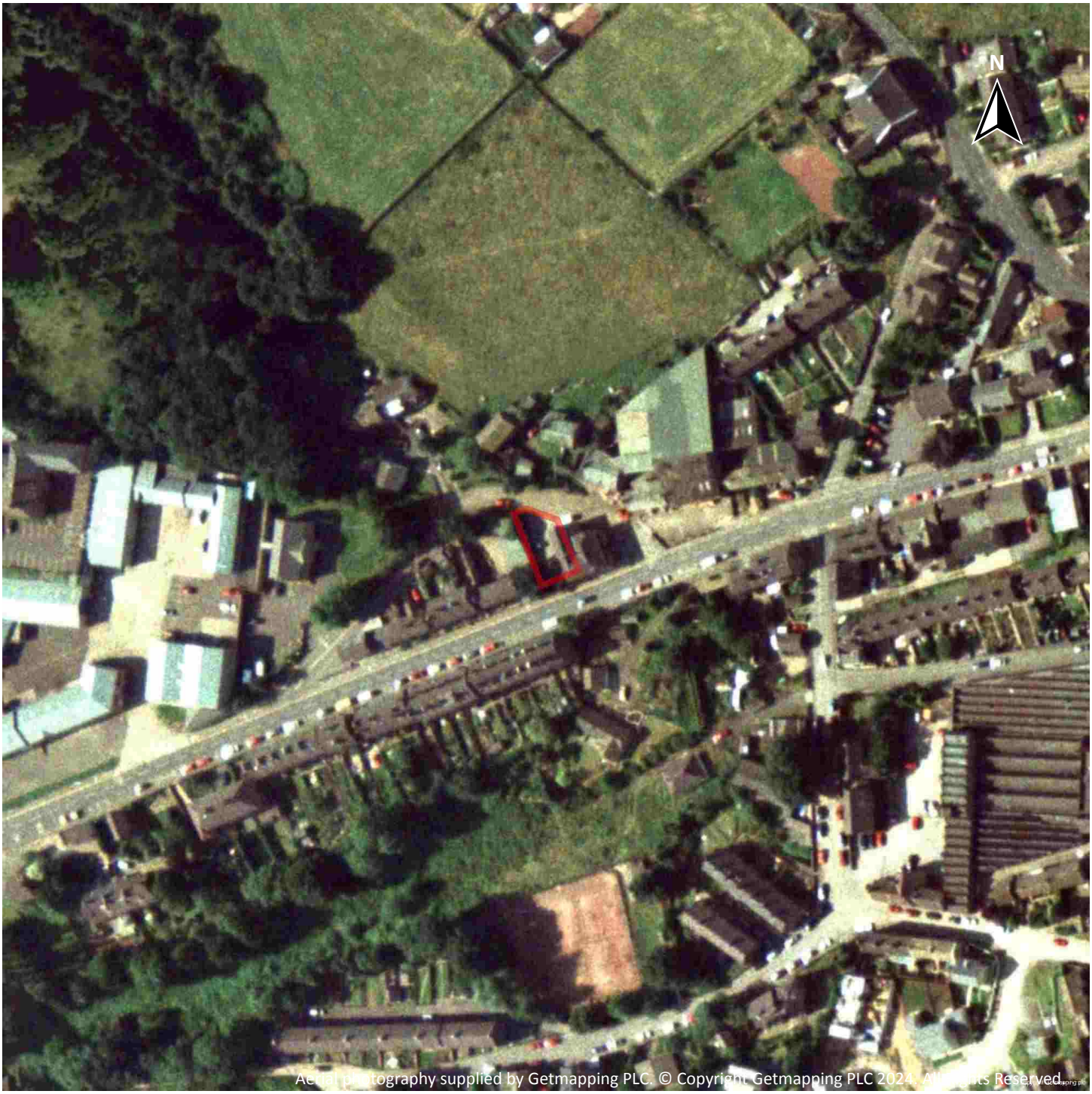
Recent site history - 2012 aerial photograph



Capture Date: 26/03/2012

Site Area: 0.02ha

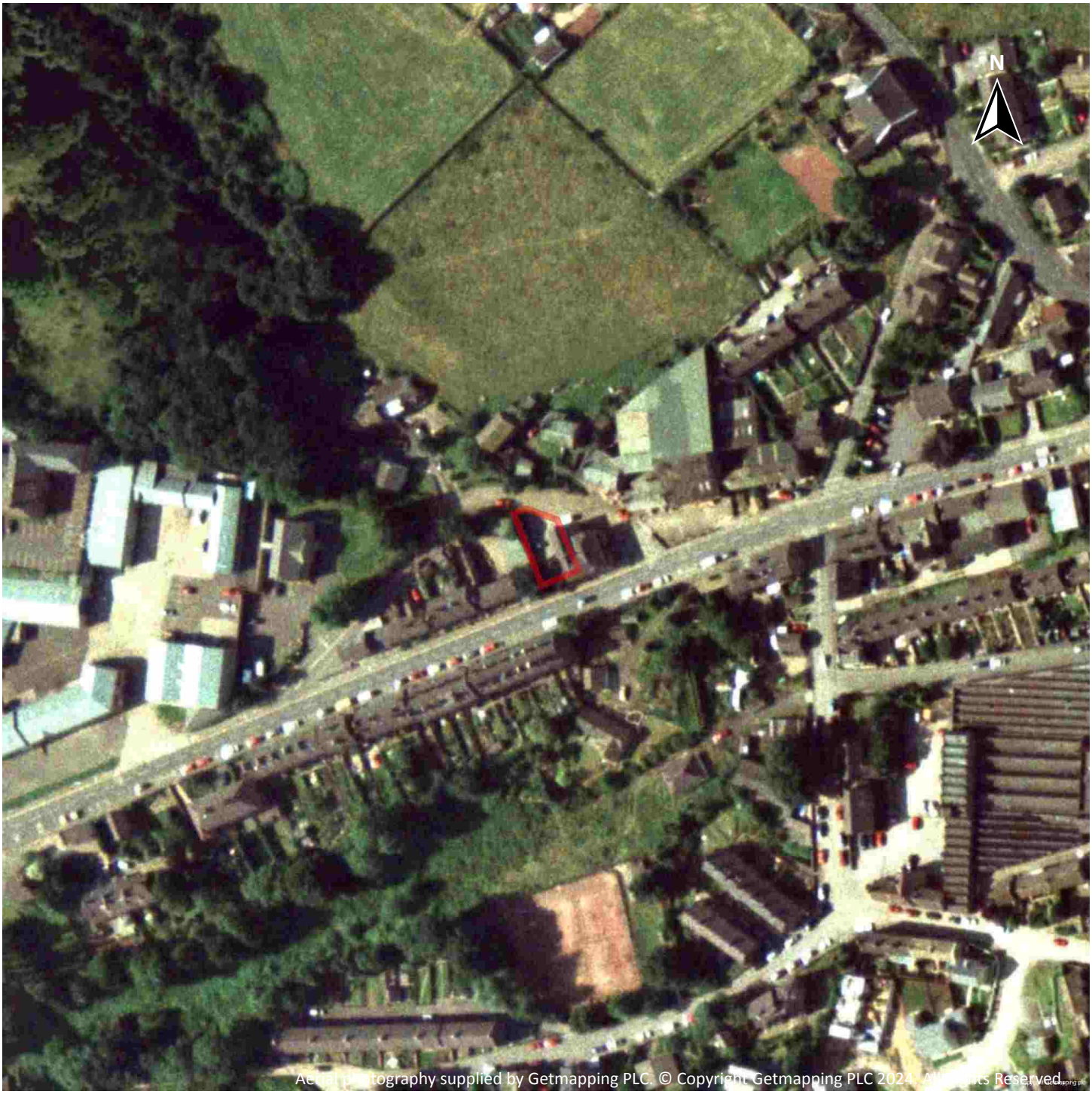
Recent site history - 2000 aerial photograph



Capture Date: 21/09/2000

Site Area: 0.02ha

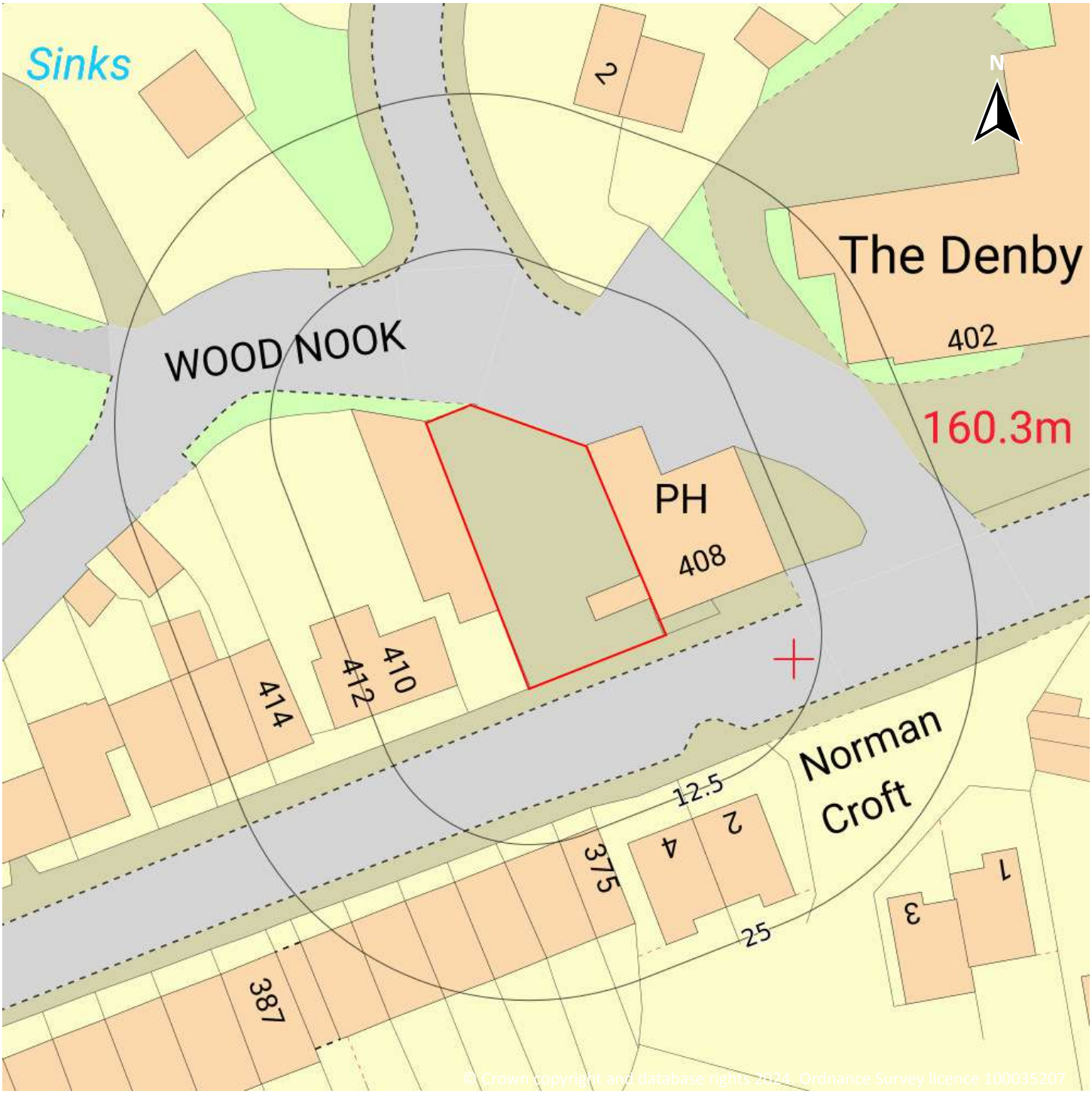
Recent site history - 1999 aerial photograph



Capture Date: 10/07/1999

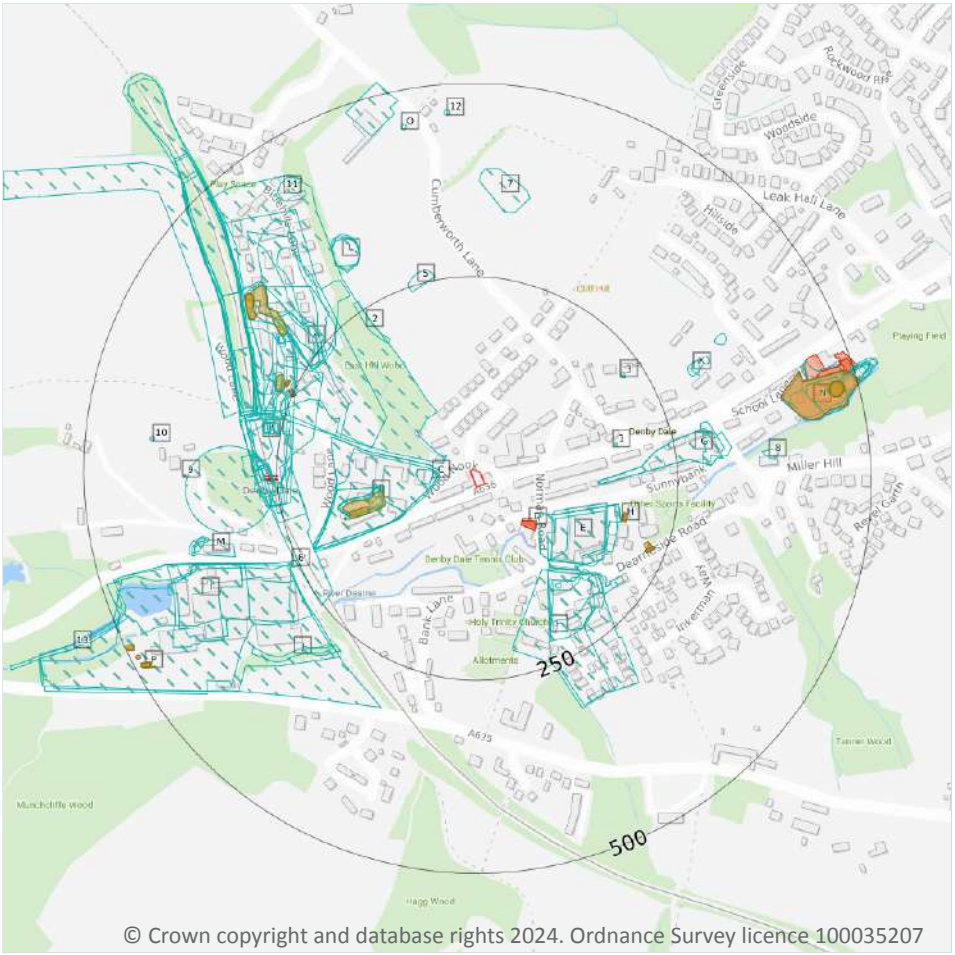
Site Area: 0.02ha

OS MasterMap site plan



Site Area: 0.02ha

1 Past land use



Site Outline

Search buffers in metres (m)

Historical industrial land uses

Historical tanks

Historical energy features

1.1 Historical industrial land uses

Records within 500m	107

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

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

ID	Location	Land use	Dates present	Group ID
A	36m NW	Unspecified Works	1967 - 1983	1498319

ID	Location	Land use	Dates present	Group ID
B	40m W	Brick Works	1933	1542711
B	40m W	Unspecified Works	1967 - 1983	1485708
B	40m W	Brick Works	1951	1559165
C	43m W	Smithy	1850	1454755
C	47m W	Unspecified Pit	1891	1450240
E	80m SE	Unspecified Commercial/Industrial	1983	1431805
E	80m SE	Unspecified Mill	1951 - 1967	1566461
E	96m SE	Unspecified Mill	1891	1505806
B	98m SW	Brick Works	1903	1487607
B	98m SW	Brick Works	1948	1529195
E	101m SE	Unspecified Mill	1904 - 1932	1497953
E	116m SE	Unspecified Mill	1948	1535745
B	119m W	Unspecified Tanks	1967	1569173
B	119m W	Unspecified Tanks	1951	1577347
B	120m W	Unspecified Tanks	1948	1549327
B	120m W	Unspecified Tanks	1933	1566305
A	127m NW	Unspecified Works	1948 - 1951	1541823
F	133m SE	Unspecified Mill	1951 - 1983	1488793
F	137m SE	Unspecified Mill	1932	1491520
B	139m W	Unspecified Tanks	1891 - 1903	1559870
G	147m E	Unspecified Commercial/Industrial	1948	1431804
G	147m E	Unspecified Mills	1891 - 1904	1543350
F	149m SE	Unspecified Mill	1948	1561445
F	152m SE	Unspecified Mill	1891	1494393
F	159m SE	Unspecified Tank	1948	1473083
F	161m SE	Unspecified Mill	1904	1537183
A	173m W	Unspecified Works	1903	1487069
1	175m E	Unspecified Pump	1850	1470185

ID	Location	Land use	Dates present	Group ID
2	195m NW	Unspecified Ground Workings	1951	1439258
A	207m W	Railway Sidings	1967	1520927
A	218m W	Railway Sidings	1891	1483772
3	221m NE	Saw Pit	1850	1444301
A	228m NW	Unspecified Works	1933	1556191
4	231m W	Railway Sidings	1951	1489026
A	234m W	Railway Sidings	1903	1542040
A	236m NW	Refuse Heap	1967	1491507
A	238m NW	Refuse Heap	1933	1514622
A	238m W	Railway Sidings	1933	1566201
A	239m W	Railway Sidings	1948	1486962
A	239m NW	Sand Pit	1948	1449196
A	241m NW	Refuse Heap	1951	1535805
A	241m NW	Unspecified Disused Tip	1983	1480021
5	243m N	Coal Pit	1850	1454271
6	249m SW	Railway Building	1951	1475722
A	251m NW	Refuse Heap	1903	1539493
A	251m W	Railway Station	1933 - 1948	1581622
A	253m W	Railway Station	1951 - 1967	1564299
A	253m W	Railway Building	1891 - 1903	1493108
A	253m W	Railway Building	1948 - 1951	1512154
A	256m W	Railway Station	1891	1556752
A	257m W	Railway Station	1903	1520697
A	257m W	Cuttings	1850	1540976
A	258m W	Railway Building	1933	1485345
I	259m SW	Unspecified Mill	1850	1448425
I	262m SW	Unspecified Mills	1933 - 1948	1576425
A	263m W	Railway Station	1850	1443181

ID	Location	Land use	Dates present	Group ID
A	263m NW	Unspecified Tanks	1967 - 1983	1556908
I	264m SW	Unspecified Mills	1951 - 1967	1554776
A	264m NW	Unspecified Tanks	1933	1559471
I	265m SW	Unspecified Mills	1983	1548404
A	265m NW	Unspecified Tanks	1948 - 1951	1567607
J	274m SW	Unspecified Ground Workings	1967	1485767
A	276m W	Railway Station	1983	1498027
A	276m NW	Unspecified Tanks	1903	1443545
J	278m SW	Unspecified Ground Workings	1951	1482102
A	281m W	Cuttings	1967 - 1983	1576910
G	284m E	Corn Mill	1850	1436593
A	285m W	Cuttings	1933	1532229
A	286m W	Cuttings	1891 - 1903	1544116
A	287m W	Cuttings	1951	1556637
A	289m NW	Unspecified Tanks	1903	1443544
A	291m W	Cuttings	1948	1496098
A	291m NW	Unspecified Tank	1933 - 1948	1502094
A	292m NW	Unspecified Tank	1951	1499969
A	296m NW	Unspecified Tanks	1967 - 1983	1485121
K	299m NE	Unspecified Pit	1932	1580538
L	302m NW	Unspecified Pit	1933	1507679
K	304m NE	Unspecified Pit	1951	1529437
L	304m NW	Unspecified Pit	1891 - 1903	1490861
L	304m NW	Unspecified Pit	1948	1500212
L	304m NW	Unspecified Heap	1951	1466746
I	315m W	Unspecified Mills	1891	1528834
M	321m W	Unspecified Quarry	1933	1464122
I	321m W	Unspecified Mills	1903	1503891

ID	Location	Land use	Dates present	Group ID
7	336m N	Unspecified Ground Workings	1967	1439259
K	348m NE	Refuse Heap	1932	1552314
M	349m W	Unspecified Ground Workings	1951	1482205
M	355m W	Unspecified Ground Workings	1967 - 1983	1569425
8	362m E	Unspecified Ground Workings	1951	1440047
A	378m NW	Cuttings	1891 - 1903	1509129
N	399m E	Unspecified Depot	1967	1445386
N	405m E	Dye Works	1891	1475077
10	411m W	Unspecified Shaft	1850	1447571
11	415m NW	Refuse Heap	1967	1434380
N	432m E	Unspecified Commercial/Industrial	1948	1500322
N	432m E	Gas Works	1891 - 1904	1525358
O	449m N	Unspecified Old Shaft	1903	1446444
O	451m N	Unspecified Works	1967 - 1983	1562274
12	460m N	Unspecified Pump	1850	1470150
N	460m E	Unspecified Tank	1967 - 1983	1504464
N	473m E	Unspecified Commercial/Industrial	1932	1497230
N	479m E	Unspecified Commercial/Industrial	1951	1490202
13	483m W	Sandstone Quarry	1850	1444495
N	495m E	Unspecified Tanks	1932	1514391
N	496m E	Gasometer	1891 - 1904	1530447
N	496m E	Unspecified Tanks	1948	1515983

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m	27

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	116m W	Tanks	1960	234063
B	141m W	Unspecified Tanks	1891	236627
B	171m W	Unspecified Tank	1891	238323
H	183m E	Unspecified Tank	1958	254846
H	184m E	Unspecified Tank	1971	251791
H	220m E	Unspecified Tank	1971	250291
H	225m SE	Unspecified Tank	1986 - 1988	246184
H	225m SE	Unspecified Tank	1958	254055
H	225m E	Unspecified Tank	1995	257195
A	259m NW	Unspecified Tank	1971 - 1988	253257
A	261m NW	Unspecified Tank	1958	248392
A	264m NW	Tanks	1960	234061
A	297m NW	Tanks	1960	256667
A	341m NW	Tanks	1958	247686
A	341m NW	Tanks	1986 - 1988	254587
9	368m W	Unspecified Tank	1960	238317
N	399m E	Gasholder Station	1971 - 1979	254829
N	462m E	Unspecified Tank	1960	238315
N	462m E	Gasholder	1971 - 1979	253100
P	477m SW	Settling Tanks	1971	257472
P	478m SW	Settling Tanks	1995	247885
P	478m SW	Settling Tanks	1971	255325
P	480m SW	Settlings Tanks	1958	247575
P	480m SW	Settlings Tanks	1986 - 1988	257501
P	487m SW	Unspecified Tank	1960 - 1971	256314
P	488m SW	Unspecified Tank	1971 - 1995	250432

ID	Location	Land use	Dates present	Group ID
P	490m SW	Unspecified Tank	1958	245896

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m	10

Energy features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original 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
D	67m SE	Electricity Substation	1995	150415
D	68m SE	Electricity Substation	1958	148863
D	68m SE	Electricity Substation	1986 - 1988	159789
A	245m NW	Electricity Substation	1971 - 1988	145409
A	247m NW	Electricity Substation	1958	152247
N	399m E	Gasholder Station	1971 - 1979	151531
N	438m E	Gas Works Yard	1979 - 1994	150139
N	452m E	Gas Works Yard	1971	148022
N	462m E	Gasholder	1971 - 1979	161916
N	486m E	Gas Governor	1994 - 1996	157009

This data is sourced from Ordnance Survey / Groundsure.

1.4 Historical petrol stations

Records within 500m	0

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

This data is sourced from Ordnance Survey / Groundsure.

1.5 Historical garages

Records within 500m	0

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

This data is sourced from Ordnance Survey / Groundsure.

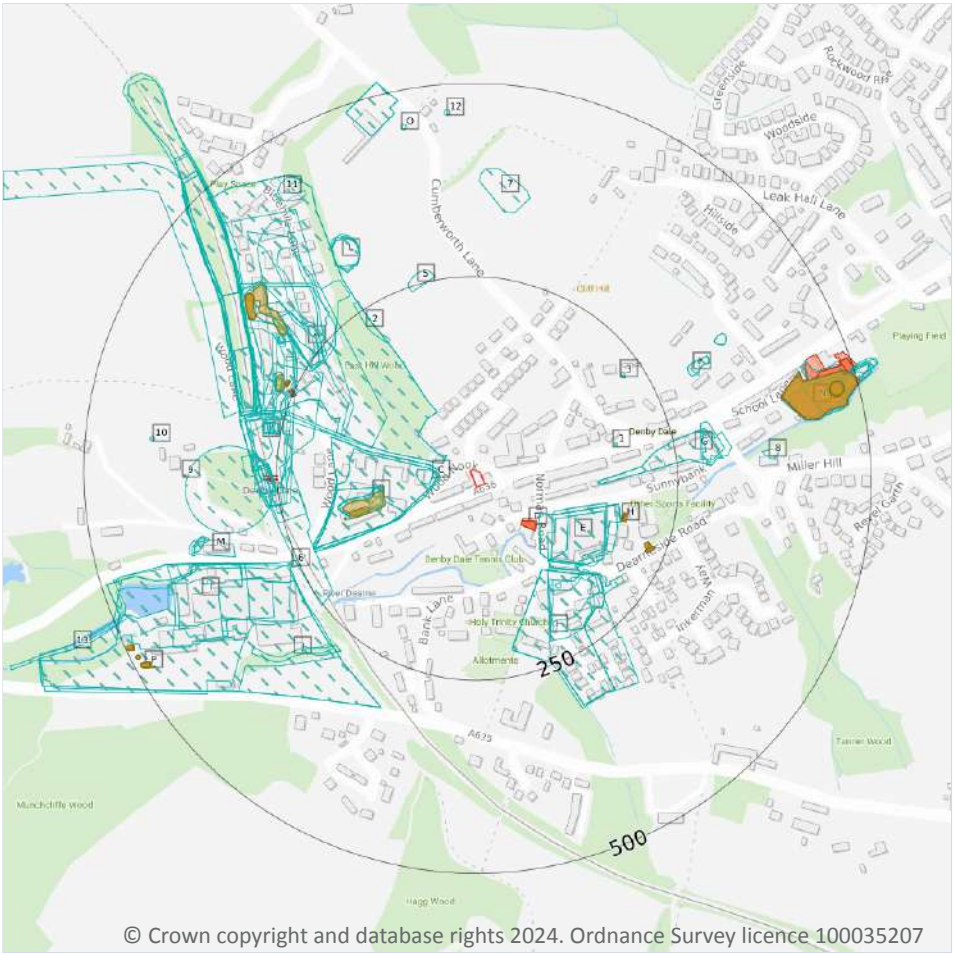
1.6 Historical military land

Records within 500m	0

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

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

2 Past land use - un-grouped



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Site Outline

Search buffers in metres (m)

Historical industrial land uses

Historical tanks

Historical energy features

2.1 Historical industrial land uses

Records within 500m	139

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 23 >**

ID	Location	Land Use	Date	Group ID
A	36m NW	Unspecified Works	1983	1498319
A	36m NW	Unspecified Works	1967	1498319
B	40m W	Brick Works	1933	1542711

ID	Location	Land Use	Date	Group ID
B	40m W	Brick Works	1933	1542711
B	40m W	Brick Works	1951	1559165
B	40m W	Unspecified Works	1983	1485708
B	40m W	Unspecified Works	1967	1485708
C	43m W	Smithy	1850	1454755
C	47m W	Unspecified Pit	1891	1450240
E	80m SE	Unspecified Mill	1951	1566461
E	80m SE	Unspecified Commercial/Industrial	1983	1431805
E	80m SE	Unspecified Mill	1967	1566461
E	96m SE	Unspecified Mill	1891	1505806
B	98m SW	Brick Works	1948	1529195
B	98m SW	Brick Works	1903	1487607
E	101m SE	Unspecified Mill	1932	1497953
E	116m SE	Unspecified Mill	1948	1535745
E	116m SE	Unspecified Mill	1904	1497953
B	119m W	Unspecified Tanks	1951	1577347
B	119m W	Unspecified Tanks	1967	1569173
B	120m W	Unspecified Tanks	1948	1549327
B	120m W	Unspecified Tanks	1933	1566305
A	127m NW	Unspecified Works	1951	1541823
F	133m SE	Unspecified Mill	1951	1488793
F	133m SE	Unspecified Mill	1983	1488793
F	133m SE	Unspecified Mill	1967	1488793
F	137m SE	Unspecified Mill	1932	1491520
B	139m W	Unspecified Tanks	1891	1559870
B	144m W	Unspecified Tanks	1903	1559870
G	147m E	Unspecified Commercial/Industrial	1948	1431804
G	147m E	Unspecified Mills	1904	1543350

ID	Location	Land Use	Date	Group ID
F	149m SE	Unspecified Mill	1948	1561445
F	152m SE	Unspecified Mill	1891	1494393
F	159m SE	Unspecified Tank	1948	1473083
F	161m SE	Unspecified Mill	1904	1537183
A	169m W	Unspecified Works	1948	1541823
A	173m W	Unspecified Works	1903	1487069
1	175m E	Unspecified Pump	1850	1470185
2	195m NW	Unspecified Ground Workings	1951	1439258
A	207m W	Railway Sidings	1967	1520927
A	218m W	Railway Sidings	1891	1483772
3	221m NE	Saw Pit	1850	1444301
A	228m NW	Unspecified Works	1933	1556191
4	231m W	Railway Sidings	1951	1489026
A	234m W	Railway Sidings	1903	1542040
A	236m NW	Refuse Heap	1967	1491507
A	238m NW	Refuse Heap	1933	1514622
A	238m NW	Refuse Heap	1933	1514622
A	238m W	Railway Sidings	1933	1566201
A	239m W	Railway Sidings	1948	1486962
A	239m NW	Sand Pit	1948	1449196
A	241m NW	Refuse Heap	1951	1535805
A	241m NW	Unspecified Disused Tip	1983	1480021
5	243m N	Coal Pit	1850	1454271
6	249m SW	Railway Building	1951	1475722
A	251m NW	Refuse Heap	1903	1539493
A	251m W	Railway Station	1948	1581622
A	253m W	Railway Station	1951	1564299
A	253m W	Railway Station	1967	1564299

ID	Location	Land Use	Date	Group ID
A	253m W	Railway Building	1948	1512154
A	253m W	Railway Building	1903	1493108
A	253m W	Railway Building	1891	1493108
A	253m W	Railway Station	1933	1581622
A	256m W	Railway Station	1891	1556752
A	257m W	Railway Station	1903	1520697
A	257m W	Cuttings	1850	1540976
A	258m W	Railway Building	1933	1485345
I	259m SW	Unspecified Mill	1850	1448425
A	260m W	Railway Building	1951	1512154
I	262m SW	Unspecified Mills	1933	1576425
A	263m W	Railway Station	1850	1443181
A	263m NW	Unspecified Tanks	1983	1556908
A	263m NW	Unspecified Tanks	1967	1556908
I	264m SW	Unspecified Mills	1951	1554776
I	264m SW	Unspecified Mills	1967	1554776
A	264m NW	Unspecified Tanks	1933	1559471
I	265m SW	Unspecified Mills	1983	1548404
A	265m NW	Unspecified Tanks	1948	1567607
A	267m NW	Unspecified Tanks	1951	1567607
J	274m SW	Unspecified Ground Workings	1967	1485767
A	276m W	Railway Station	1983	1498027
A	276m NW	Unspecified Tanks	1903	1443545
J	278m SW	Unspecified Ground Workings	1951	1482102
A	281m W	Cuttings	1983	1576910
A	281m W	Cuttings	1967	1576910
G	282m E	Unspecified Mills	1891	1543350
G	284m E	Corn Mill	1850	1436593

ID	Location	Land Use	Date	Group ID
A	285m W	Cuttings	1933	1532229
A	286m W	Cuttings	1903	1544116
A	286m W	Cuttings	1891	1544116
A	287m W	Cuttings	1951	1556637
A	289m NW	Unspecified Tanks	1903	1443544
A	291m W	Cuttings	1948	1496098
A	291m NW	Unspecified Tank	1933	1502094
I	292m SW	Unspecified Mills	1948	1576425
A	292m NW	Unspecified Tank	1951	1499969
A	294m NW	Unspecified Tank	1948	1502094
A	296m NW	Unspecified Tanks	1983	1485121
A	296m NW	Unspecified Tanks	1967	1485121
K	299m NE	Unspecified Pit	1932	1580538
K	299m NE	Unspecified Pit	1932	1580538
L	302m NW	Unspecified Pit	1933	1507679
L	302m NW	Unspecified Pit	1933	1507679
K	304m NE	Unspecified Pit	1951	1529437
L	304m NW	Unspecified Pit	1948	1500212
L	304m NW	Unspecified Pit	1903	1490861
L	304m NW	Unspecified Pit	1891	1490861
L	304m NW	Unspecified Heap	1951	1466746
I	315m W	Unspecified Mills	1891	1528834
M	321m W	Unspecified Quarry	1933	1464122
I	321m W	Unspecified Mills	1903	1503891
7	336m N	Unspecified Ground Workings	1967	1439259
K	348m NE	Refuse Heap	1932	1552314
K	348m NE	Refuse Heap	1932	1552314
M	349m W	Unspecified Ground Workings	1951	1482205

ID	Location	Land Use	Date	Group ID
M	355m W	Unspecified Ground Workings	1983	1569425
M	355m W	Unspecified Ground Workings	1967	1569425
8	362m E	Unspecified Ground Workings	1951	1440047
A	378m NW	Cuttings	1903	1509129
A	378m NW	Cuttings	1891	1509129
N	399m E	Unspecified Depot	1967	1445386
N	405m E	Dye Works	1891	1475077
10	411m W	Unspecified Shaft	1850	1447571
11	415m NW	Refuse Heap	1967	1434380
N	432m E	Unspecified Commercial/Industrial	1948	1500322
N	432m E	Gas Works	1904	1525358
O	449m N	Unspecified Old Shaft	1903	1446444
O	451m N	Unspecified Works	1983	1562274
O	451m N	Unspecified Works	1967	1562274
12	460m N	Unspecified Pump	1850	1470150
N	460m E	Unspecified Tank	1983	1504464
N	460m E	Unspecified Tank	1967	1504464
N	473m E	Unspecified Commercial/Industrial	1932	1497230
N	479m E	Unspecified Commercial/Industrial	1951	1490202
N	479m E	Gas Works	1891	1525358
13	483m W	Sandstone Quarry	1850	1444495
N	495m E	Unspecified Tanks	1932	1514391
N	496m E	Gasometer	1904	1530447
N	496m E	Unspecified Tanks	1948	1515983

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m	45

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 23 >**

ID	Location	Land Use	Date	Group ID
B	116m W	Tanks	1960	234063
B	141m W	Unspecified Tanks	1891	236627
B	171m W	Unspecified Tank	1891	238323
H	183m E	Unspecified Tank	1958	254846
H	184m E	Unspecified Tank	1971	251791
H	185m E	Unspecified Tank	1971	251791
H	220m E	Unspecified Tank	1971	250291
H	221m E	Unspecified Tank	1971	250291
H	225m SE	Unspecified Tank	1958	254055
H	225m SE	Unspecified Tank	1986	246184
H	225m SE	Unspecified Tank	1988	246184
H	225m E	Unspecified Tank	1995	257195
H	225m E	Unspecified Tank	1995	257195
A	259m NW	Unspecified Tank	1971	253257
A	260m NW	Unspecified Tank	1971	253257
A	261m NW	Unspecified Tank	1958	248392
A	261m NW	Unspecified Tank	1986	253257
A	261m NW	Unspecified Tank	1988	253257
A	264m NW	Tanks	1960	234061
A	297m NW	Tanks	1960	256667
A	341m NW	Tanks	1958	247686
A	341m NW	Tanks	1986	254587
A	341m NW	Tanks	1988	254587

ID	Location	Land Use	Date	Group ID
9	368m W	Unspecified Tank	1960	238317
N	399m E	Gasholder Station	1971	254829
N	400m E	Gasholder Station	1979	254829
N	462m E	Unspecified Tank	1960	238315
N	462m E	Gasholder	1971	253100
N	463m E	Gasholder	1979	253100
P	477m SW	Settling Tanks	1971	257472
P	478m SW	Settling Tanks	1995	247885
P	478m SW	Settling Tanks	1995	247885
P	478m SW	Settling Tanks	1971	255325
P	480m SW	Settlings Tanks	1958	247575
P	480m SW	Settlings Tanks	1986	257501
P	480m SW	Settlings Tanks	1988	257501
P	487m SW	Unspecified Tank	1960	256314
P	487m SW	Unspecified Tank	1971	256314
P	488m SW	Unspecified Tank	1995	250432
P	488m SW	Unspecified Tank	1995	250432
P	488m SW	Unspecified Tank	1971	250432
P	489m SW	Unspecified Tank	1971	250432
P	490m SW	Unspecified Tank	1958	245896
P	490m SW	Unspecified Tank	1986	250432
P	490m SW	Unspecified Tank	1988	250432

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m	18

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 23 >**

ID	Location	Land Use	Date	Group ID
D	67m SE	Electricity Substation	1995	150415
D	68m SE	Electricity Substation	1958	148863
D	68m SE	Electricity Substation	1986	159789
D	68m SE	Electricity Substation	1988	159789
A	245m NW	Electricity Substation	1971	145409
A	246m NW	Electricity Substation	1971	145409
A	247m NW	Electricity Substation	1958	152247
A	247m NW	Electricity Substation	1986	145409
A	247m NW	Electricity Substation	1988	145409
N	399m E	Gasholder Station	1971	151531
N	400m E	Gasholder Station	1979	151531
N	438m E	Gas Works Yard	1994	150139
N	440m E	Gas Works Yard	1979	150139
N	452m E	Gas Works Yard	1971	148022
N	462m E	Gasholder	1971	161916
N	463m E	Gasholder	1979	161916
N	486m E	Gas Governor	1996	157009
N	486m E	Gas Governor	1994	157009

This data is sourced from Ordnance Survey / Groundsure.

2.4 Historical petrol stations

Records within 500m	0

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

This data is sourced from Ordnance Survey / Groundsure.

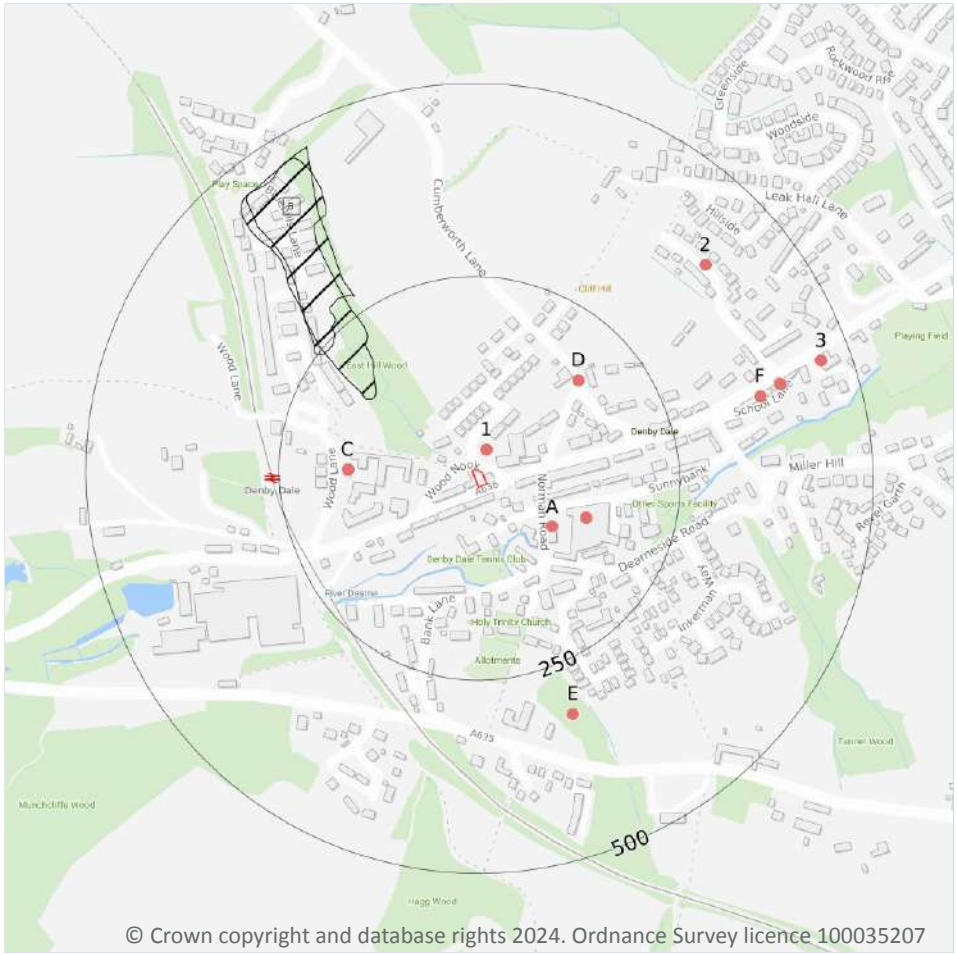
2.5 Historical garages

Records within 500m	0

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

This data is sourced from Ordnance Survey / Groundsure.

3 Waste and landfill



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Site Outline

Search buffers in metres (m)

Historical landfill (EA/NRW)

Waste exemptions

3.1 Active or recent landfill

Records within 500m	0

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

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

3.2 Historical landfill (BGS records)

Records within 500m	0

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

This data is sourced from the British Geological Survey.

3.3 Historical landfill (LA/mapping records)

Records within 500m	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	2

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 33 >**

ID	Location	Details		
B	158m NW	Site Address: Bromley Works, Denby Dale Licence Holder Address: -	Waste Licence: Yes Site Reference: 4700/WDL0160 Waste Type: Inert Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 22/12/1983 Licence Surrender: -	Operator: - Licence Holder: Naylor Brothers (Clayware) Limited First Recorded 31/12/1983 Last Recorded: -
B	243m NW	Site Address: Bromley Works, Denby Dale, Huddersfield, West Yorkshire Licence Holder Address: -	Waste Licence: Yes Site Reference: 4400/W1158 Waste Type: - Environmental Permitting Regulations (Waste) Reference: YQ3/L/NAY001 Licence Issue: 22/12/1983 Licence Surrender: 27/09/1999	Operator: - Licence Holder: Naylor Brothers (Clayware) 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	0

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

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

3.6 Licensed waste sites

Records within 500m	0

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

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

3.7 Waste exemptions

Records within 500m	26

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 33 >**

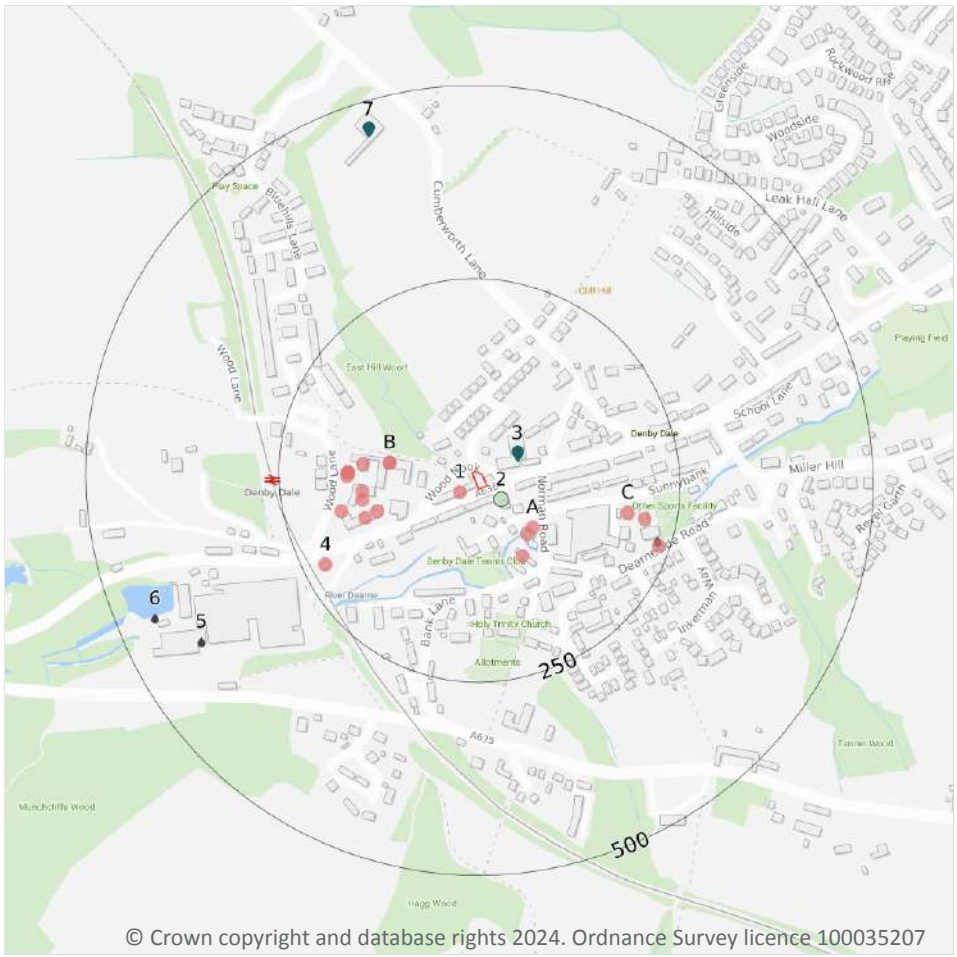
ID	Location	Site	Reference	Category	Sub-Category	Description
1	29m N	Wood Nook Farm, Wood Nook, Meltham, Holmfirth, Hd9 4du	WEX011168	Disposing of waste exemption	On a farm	Burning waste in the open
A	101m SE	Unit 8 Springfield Mills Norman Road Huddersfield Hd8 8th	EPR/PF0002TD /A001	Using waste exemption	Non-agricultural waste only	Burning of waste as a fuel in a small appliance
A	136m E	Springfield Mills, Unit 8, Norman Road, Denby Dale, Huddersfield, Hd8 8th	WEX273491	Using waste exemption	Not on a farm	Burning of waste as a fuel in a small appliance
A	136m E	Springfield Mills, Unit 8, Norman Road, Denby Dale, Huddersfield, Hd8 8th	WEX273491	Treating waste exemption	Not on a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
A	136m E	Unit 8, Springfield Mills, Norman Road, Denby Dale, Huddersfield, Hd8 8th	WEX301680	Using waste exemption	Not on a farm	Burning of waste as a fuel in a small appliance
A	136m E	Springfield Mills, Unit 8, Norman Road, Denby Dale, Huddersfield, Hd8 8th	WEX133530	Treating waste exemption	Not on a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
A	136m E	Springfield Mills, Unit 8, Norman Road, Denby Dale, Huddersfield, Hd8 8th	WEX133530	Using waste exemption	Not on a farm	Burning of waste as a fuel in a small appliance
C	162m W	Westleigh Mews, Wakefield Road, Denby Dale, Huddersfield, Hd8 8qd	WEX084323	Treating waste exemption	Not on a farm	Aerobic composting and associated prior treatment

ID	Location	Site	Reference	Category	Sub-Category	Description
C	162m W	Westleigh Mews, Wakefield Road, Denby Dale, Huddersfield, Hd8 8qd	WEX084323	Using waste exemption	Not on a farm	Spreading waste on non-agricultural land to confer benefit
C	162m W	-	WEX232662	Treating waste exemption	Not on a farm	Aerobic composting and associated prior treatment
D	172m NE	-	WEX276923	Disposing of waste exemption	Not on a farm	Disposal by incineration
D	172m NE	-	WEX276923	Disposing of waste exemption	Not on a farm	Burning waste in the open
E	318m S	-	WEX281814	Treating waste exemption	Not on a farm	Aerobic composting and associated prior treatment
E	318m S	-	WEX281814	Treating waste exemption	Not on a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
E	318m S	-	WEX281814	Using waste exemption	Not on a farm	Spreading waste on non-agricultural land to confer benefit
E	318m S	-	WEX281814	Using waste exemption	Not on a farm	Spreading waste on agricultural land to confer benefit
E	318m S	-	WEX281814	Using waste exemption	Not on a farm	Use of mulch
F	371m E	315, Wakefield Road, Denby Dale, Huddersfield, Hd8 8rx	WEX239312	Storing waste exemption	Not on a farm	Storage of waste in a secure place
F	371m E	315, Wakefield Road, Denby Dale, Huddersfield, Hd8 8rx	WEX239312	Storing waste exemption	Not on a farm	Storage of waste in secure containers
F	371m E	315, Wakefield Road, Denby Dale, Huddersfield, Hd8 8rx	WEX096815	Storing waste exemption	Not on a farm	Storage of waste in secure containers
F	371m E	315, Wakefield Road, Denby Dale, Huddersfield, Hd8 8rx	WEX096815	Storing waste exemption	Not on a farm	Storage of waste in a secure place
2	394m NE	-	WEX272520	Disposing of waste exemption	Not on a farm	Burning waste in the open

ID	Location	Site	Reference	Category	Sub-Category	Description
F	400m E	315 Wakefield Road Huddersfield West Yorkshire Hd8 8rx	EPR/PF0231DT/A001	Treating waste exemption	Non-agricultural waste only	Sorting and de-naturing of controlled drugs for disposal
F	401m E	-	WEX368211	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
F	401m E	-	WEX241619	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
3	460m E	315 Wakefield Road Huddersfield West Yorkshire Hd8 8rx	EPR/QE5145VN/A001	Treating waste exemption	Non-agricultural waste only	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



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Site Outline

Search buffers in metres (m)

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

4.1 Recent industrial land uses

Records within 250m	19

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on **page 38 >**

ID	Location	Company	Address	Activity	Category
1	24m SW	N Senior	416, Wakefield Road, Denby Dale, Huddersfield, West Yorkshire, HD8 8QD	Furniture	Consumer Products
A	80m SE	Electricity Sub Station	West Yorkshire, HD8	Electrical Features	Infrastructure and Facilities

ID	Location	Company	Address	Activity	Category
A	81m SE	Smithson & Littlewood Ltd	4, Norman Road, Denby Dale, Huddersfield, West Yorkshire, HD8 8TH	General Construction Supplies	Industrial Products
A	102m SE	Ashley Interiors	10, Norman Road, Denby Dale, Huddersfield, West Yorkshire, HD8 8TH	Curtains and Blinds	Consumer Products
B	107m W	Spiral Binding Company	Unit 6 Denby Dale Industrial Park, Wakefield Road, Denby Dale, Huddersfield, West Yorkshire, HD8 8QH	Plate Makers, Print Finishers and Type Setters	IT, Advertising, Marketing and Media Services
B	107m W	Printers Mart	Unit 6 Denby Dale Industrial Park, Wakefield Road, Denby Dale, Huddersfield, West Yorkshire, HD8 8QH	Printing Related Machinery	Industrial Products
B	132m W	Rural Interiors	Unit 22 to 22a Denby Dale Industrial Park, Wakefield Road, Denby Dale, Huddersfield, West Yorkshire, HD8 8QH	General Construction Supplies	Industrial Products
B	141m W	A T S Pro Equipment	Westleigh House, Wakefield Road, Denby Dale, Huddersfield, West Yorkshire, HD8 8QJ	Tools Including Machine Shops	Industrial Products
B	144m W	Autobind Denby Dale	Unit 9 To11 Denby Dale Industrial Park, Wakefield Road, Denby Dale, Huddersfield, West Yorkshire, HD8 8QH	Published Goods	Industrial Products
B	146m W	Denby Dale Industrial Estate	West Yorkshire, HD8	Business Parks and Industrial Estates	Industrial Features
B	151m W	C R Tool Hire	Unit 18 Denby Dale Industrial Park, Wakefield Road, Denby Dale, Huddersfield, West Yorkshire, HD8 8QH	Construction and Tool Hire	Hire Services
B	161m W	Pferd	Unit 4 Westleigh Hall, Wakefield Road, Denby Dale, Huddersfield, West Yorkshire, HD8 8QJ	Tools Including Machine Shops	Industrial Products
B	161m W	UK Vans Direct Ltd	Westleigh Hall, Wakefield Road, Denby Dale, Huddersfield, West Yorkshire, HD8 8QJ	New Vehicles	Motoring
B	161m W	In Focus	Westleigh Hall, Wakefield Road, Denby Dale, Huddersfield, West Yorkshire, HD8 8QJ	Photographic and Optical Equipment	Consumer Products
B	177m W	Electricity Sub Station	West Yorkshire, HD8	Electrical Features	Infrastructure and Facilities
C	186m E	Hillam Tyres Ltd	Sunnybank, Denby Dale, Huddersfield, West Yorkshire, HD8 8TJ	Vehicle Parts and Accessories	Motoring
C	209m E	Works	West Yorkshire, HD8	Unspecified Works Or Factories	Industrial Features
4	221m SW	Works	West Yorkshire, HD8	Unspecified Works Or Factories	Industrial Features

ID	Location	Company	Address	Activity	Category
C	236m E	Tank	West Yorkshire, HD8	Tanks (Generic)	Industrial Features

This data is sourced from Ordnance Survey.

4.2 Current or recent petrol stations

Records within 500m	0

Open, closed, under development and obsolete petrol stations.

This data is sourced from Experian.

4.3 Electricity cables

Records within 500m	0

High voltage underground electricity transmission cables.

This data is sourced from National Grid.

4.4 Gas pipelines

Records within 500m	0

High pressure underground gas transmission pipelines.

This data is sourced from National Grid.

4.5 Sites determined as Contaminated Land

Records within 500m	0

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

This data is sourced from Local Authority records.

4.6 Control of Major Accident Hazards (COMAH)

Records within 500m	0

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

This data is sourced from the Health and Safety Executive.

4.7 Regulated explosive sites

Records within 500m	0

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

This data is sourced from the Health and Safety Executive.

4.8 Hazardous substance storage/usage

Records within 500m	0

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

This data is sourced from Local Authority records.

4.9 Historical licensed industrial activities (IPC)

Records within 500m	0

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

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

4.10 Licensed industrial activities (Part A(1))

Records within 500m	0

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

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

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

Records within 500m	2

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

Features are displayed on the Current industrial land use map on **page 38 >**

ID	Location	Address	Details	
3	53m NE	Greenfeeds (1991) Ltd, Victoria Mill, Wakefield Rd, Denby Dale, Huddersfield, HD8 8RP	Process: Animal Feed Compound Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
7	464m N	Denby Dale Cast Products Ltd, 230 Cumberworth Lane, Denby Dale, Huddersfield, HD8 8PR	Process: Use of Bulk Cement Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified

This data is sourced from Local Authority records.

4.12 Radioactive Substance Authorisations

Records within 500m	0

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

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

4.13 Licensed Discharges to controlled waters

Records within 500m	3

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 38 >**

ID	Location	Address	Details	
C	232m E	DEARNESIDE ROAD CSO, DEARNESIDE ROAD (OPP NO.28), DENBY DALE, HUDDERSFIELD, WEST YORKSHIRE	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: WRA9264 Permit Version: 1 Receiving Water: RIVER DEARNE	Status: SURRENDERED UNDER EPR 2010 Issue date: 04/09/2007 Effective Date: 04/09/2007 Revocation Date: 27/03/2012
5	410m SW	HARTCLIFFE MILLS, DENBY DALE, HUDDERSFIELD	Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: C4889 Permit Version: 1 Receiving Water: -	Status: REVOKED - UNSPECIFIED Issue date: 09/12/1987 Effective Date: 09/12/1987 Revocation Date: 05/08/1992
6	451m SW	HARTCLIFFE MILLS, DENBY DALE, HUDDERSFIELD	Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: C4889 Permit Version: 1 Receiving Water: -	Status: REVOKED - UNSPECIFIED Issue date: 09/12/1987 Effective Date: 09/12/1987 Revocation Date: 05/08/1992

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 38 >**

ID	Location	Details	
2	26m SE	Incident Date: 16/06/2003 Incident Identification: 166257 Pollutant: Other Pollutant Pollutant Description: Other	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)

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

4.19 Pollution inventory substances

Records within 500m	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

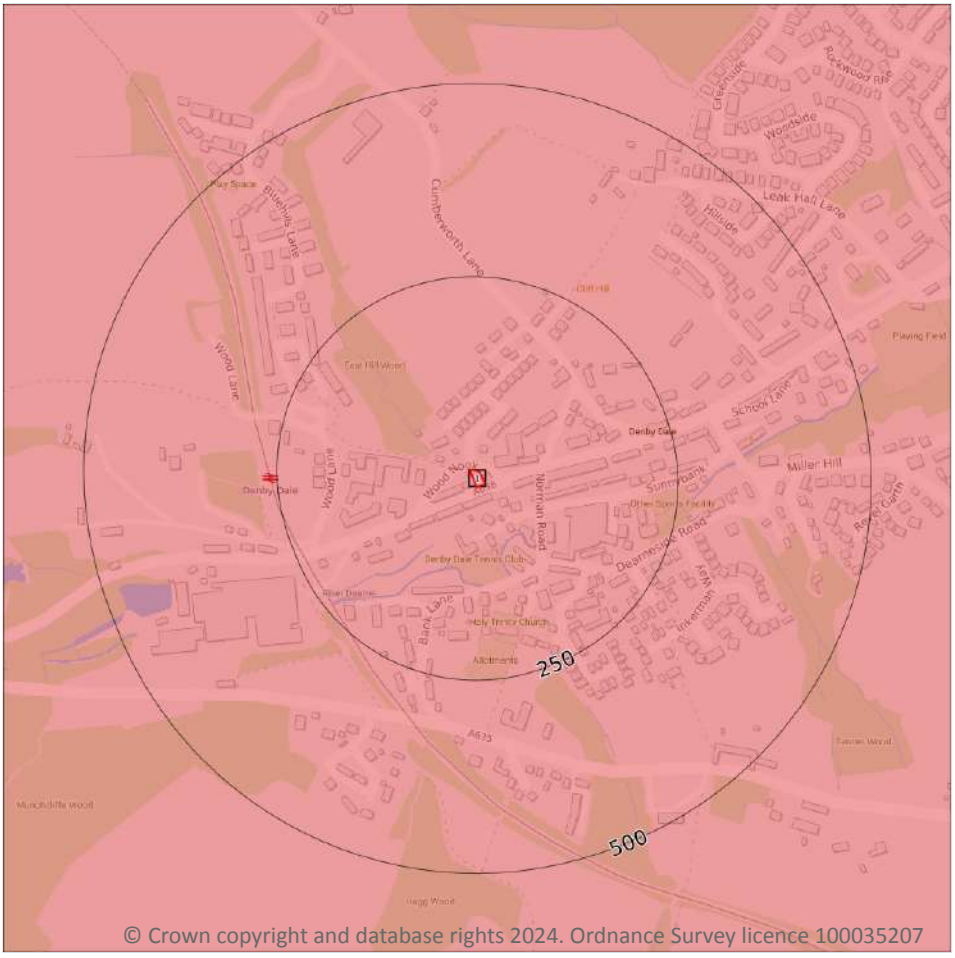
5.1 Superficial aquifer

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	1

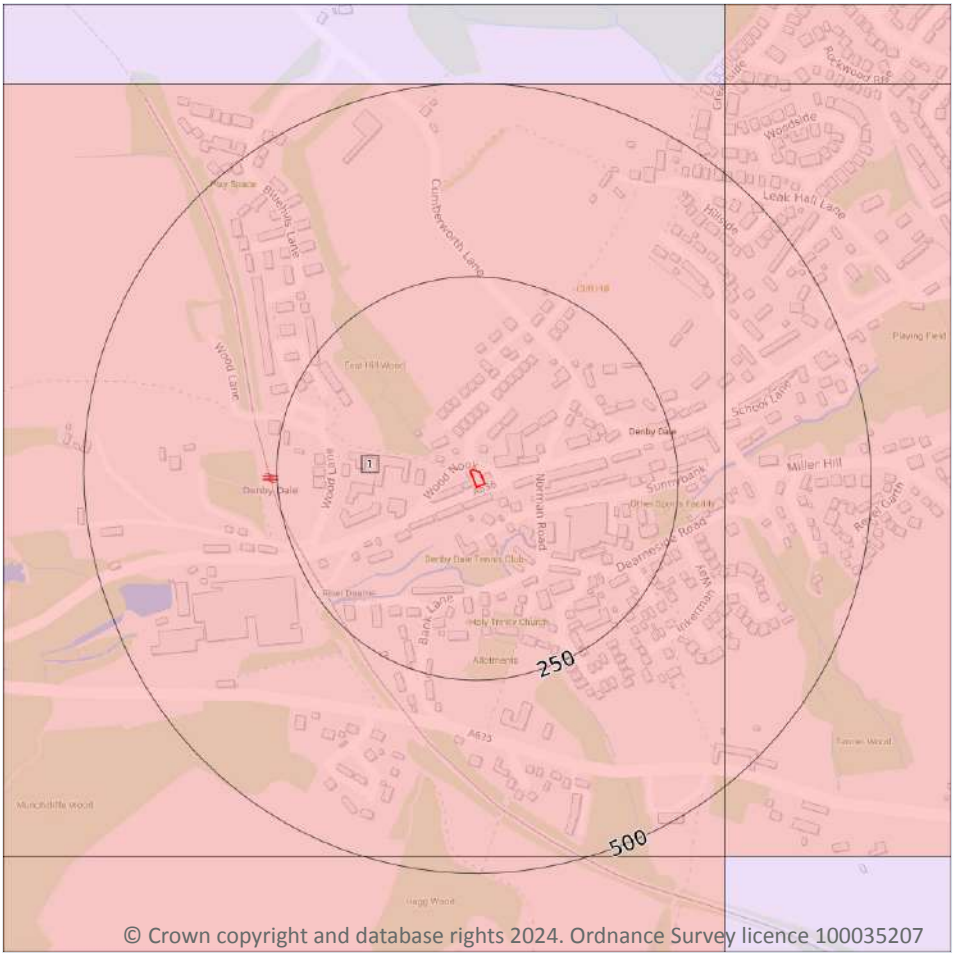
Aquifer status of groundwater held within bedrock geology.

Features are displayed on the Bedrock aquifer map on **page 46** >

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

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

Groundwater vulnerability



Site Outline

Search buffers in metres (m)

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

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

Other information
- Unproductive aquifer
- Soluble rock risk
- Local information

5.3 Groundwater vulnerability

Records within 50m	1

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

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

Features are displayed on the Groundwater vulnerability map on **page 47 >**

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	**On site**	**Summary Classification: Secondary bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer**	**Leaching class: High Infiltration value: >70% Dilution value: 300-550mm/year**	**Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data**	**Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures**

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

5.4 Groundwater vulnerability- soluble rock risk

Records on site	0

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

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

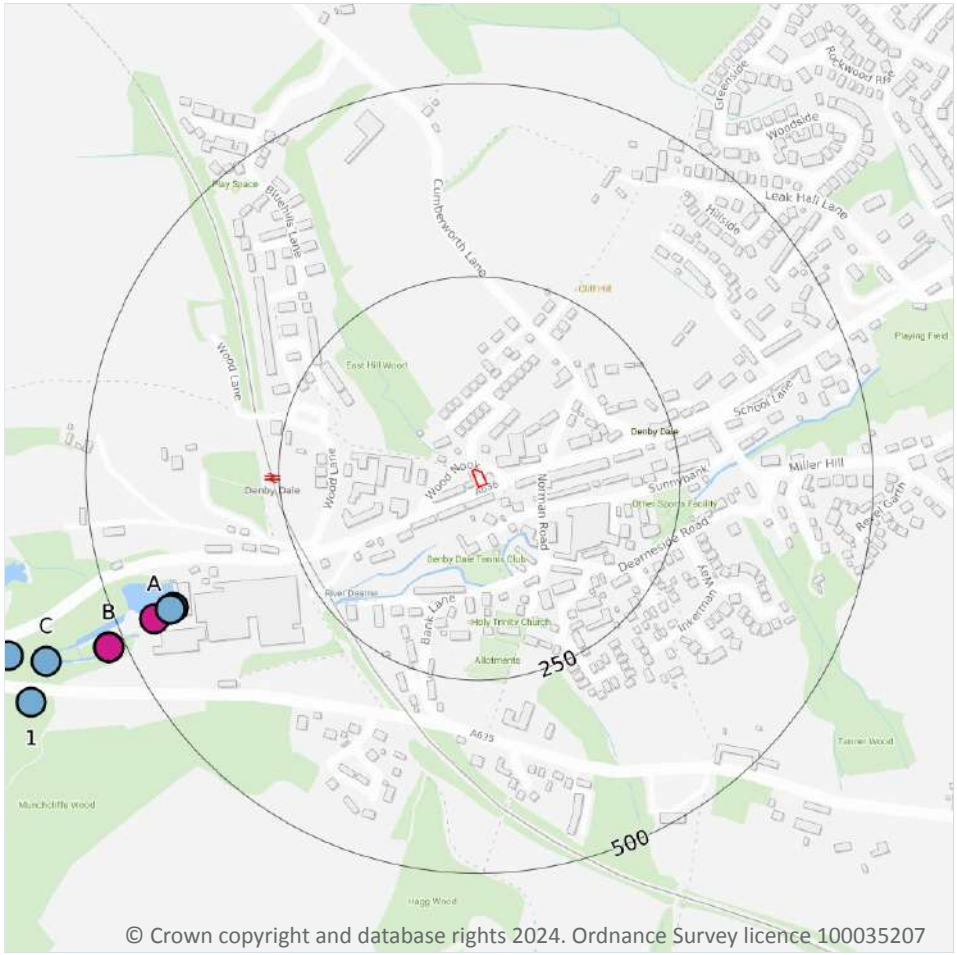
5.5 Groundwater vulnerability- local information

Records on site	0

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

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

Abstractions and Source Protection Zones



Site Outline

Search buffers in metres (m)

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

5.6 Groundwater abstractions

Records within 2000m	14

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 49 >**

ID	Location	Details	
A	453m SW	Status: Active Licence No: 2/27/08/144/R01 Details: Transfer Between Sources (Post Water Act 2003) Direct Source: GROUNDWATERS Point: BOREHOLE - COAL MEASURES - GREENMOOR ROCK - DENBY DALE Data Type: Point Name: HINCHCLIFFE & SONS LTD Easting: 422259 Northing: 408307	Annual Volume (m^3): 52000 Max Daily Volume (m^3): 500 Original Application No: NPS/WR/024657 Original Start Date: 01/04/2017 Expiry Date: 31/03/2029 Issue No: 1 Version Start Date: 01/04/2019 Version End Date: -
B	522m SW	Status: Historical Licence No: 2/27/08/121 Details: General use relating to Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE Data Type: Point Name: HINCHCLIFFE & SONS LTD Easting: 422200 Northing: 408270	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 16/01/1998 Expiry Date: 31/12/2008 Issue No: 100 Version Start Date: 16/01/1998 Version End Date: -
B	522m SW	Status: Historical Licence No: 2/27/08/121 Details: Non-Evaporative Cooling Direct Source: GROUNDWATERS Point: BOREHOLE Data Type: Point Name: HINCHCLIFFE & SONS LTD Easting: 422200 Northing: 408270	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 16/01/1998 Expiry Date: 31/12/2008 Issue No: 100 Version Start Date: 16/01/1998 Version End Date: -
B	522m SW	Status: Historical Licence No: 2/27/08/121 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE - COAL MEASURES - DENBY DALE Data Type: Point Name: HINCHCLIFFE & SONS LTD Easting: 422200 Northing: 408270	Annual Volume (m^3): 52000 Max Daily Volume (m^3): 500 Original Application No: - Original Start Date: 16/01/1998 Expiry Date: 31/12/2008 Issue No: 100 Version Start Date: 16/01/1998 Version End Date: -

ID	Location	Details	
B	522m SW	Status: Historical Licence No: 2/27/08/121 Details: Non-Evaporative Cooling Direct Source: GROUNDWATERS Point: BOREHOLE - COAL MEASURES - DENBY DALE Data Type: Point Name: HINCHCLIFFE & SONS LTD Easting: 422200 Northing: 408270	Annual Volume (m^3): 52000 Max Daily Volume (m^3): 500 Original Application No: - Original Start Date: 16/01/1998 Expiry Date: 31/12/2008 Issue No: 100 Version Start Date: 16/01/1998 Version End Date: -
B	522m SW	Status: Historical Licence No: 2/27/08/144 Details: Non-Evaporative Cooling Direct Source: GROUNDWATERS Point: BOREHOLE - COAL MEASURES - GREENMOOR ROCK - DENBY DALE Data Type: Point Name: HINCHCLIFFE & SONS LTD Easting: 422200 Northing: 408270	Annual Volume (m^3): 52000 Max Daily Volume (m^3): 500 Original Application No: - Original Start Date: 01/01/2009 Expiry Date: 31/03/2017 Issue No: 1 Version Start Date: 01/01/2009 Version End Date: -
B	522m SW	Status: Historical Licence No: 2/27/08/144 Details: Process Water Direct Source: GROUNDWATERS Point: BOREHOLE - COAL MEASURES - GREENMOOR ROCK - DENBY DALE Data Type: Point Name: HINCHCLIFFE & SONS LTD Easting: 422200 Northing: 408270	Annual Volume (m^3): 52000 Max Daily Volume (m^3): 500 Original Application No: - Original Start Date: 01/01/2009 Expiry Date: 31/03/2017 Issue No: 1 Version Start Date: 01/01/2009 Version End Date: -
-	955m NE	Status: Historical Licence No: 2/27/08/005 Details: General Farming & Domestic Direct Source: GROUNDWATERS Point: WELL X2 Data Type: Point Name: SHAW Easting: 423200 Northing: 409300	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 14/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 25/01/1985 Version End Date: -
-	955m NE	Status: Historical Licence No: 2/27/08/005 Details: General Farming & Domestic Direct Source: GROUNDWATERS Point: WELL X2 - COAL MEASURES - DENBY DALE Data Type: Point Name: D M & J SHAW Easting: 423200 Northing: 409300	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 14/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 25/01/1985 Version End Date: -

ID	Location	Details	
-	1404m NW	Status: Historical Licence No: 2/27/11/124 Details: General use relating to Secondary Category (High Loss) Direct Source: GROUNDWATERS Point: SPRING - COAL MEASURES - DAY HOLE WORKINGS Data Type: Point Name: HEPWORTH PIPE CO LTD Easting: 421800 Northing: 409600	Annual Volume (m^3): 6819 Max Daily Volume (m^3): 27.27 Original Application No: - Original Start Date: 26/05/1966 Expiry Date: - Issue No: 100 Version Start Date: 26/05/1966 Version End Date: -
-	1438m E	Status: Historical Licence No: 2/27/05/179 Details: General Farming & Domestic Direct Source: GROUNDWATERS Point: BOREHOLE Data Type: Point Name: BUCKLEY Easting: 424100 Northing: 408200	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 31/08/1994 Expiry Date: - Issue No: 100 Version Start Date: 31/08/1994 Version End Date: -
-	1438m E	Status: Historical Licence No: 2/27/05/179 Details: General Farming & Domestic Direct Source: GROUNDWATERS Point: BOREHOLE - COAL MEASURES - DENBY DALE Data Type: Point Name: MESSRS H & S BUCKLEY Easting: 424100 Northing: 408200	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 31/08/1994 Expiry Date: - Issue No: 100 Version Start Date: 31/08/1994 Version End Date: -
-	1880m SW	Status: Historical Licence No: 2/27/08/079 Details: General Farming & Domestic Direct Source: GROUNDWATERS Point: WELL X2 Data Type: Point Name: PELL Easting: 421300 Northing: 407200	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 30/06/1966 Expiry Date: - Issue No: 100 Version Start Date: 13/07/1966 Version End Date: -
-	1880m SW	Status: Historical Licence No: 2/27/08/079 Details: General Farming & Domestic Direct Source: GROUNDWATERS Point: WELL X2 - COAL MEASURES - HIGH FLATTS Data Type: Point Name: PELL Easting: 421300 Northing: 407200	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 30/06/1966 Expiry Date: - Issue No: 100 Version Start Date: 13/07/1966 Version End Date: -

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

5.7 Surface water abstractions

Records within 2000m	8

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 49 >**

ID	Location	Details	
A	425m SW	Status: Active Licence No: 2/27/08/052 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: SURFACE WATER Point: RIVER DEARNE - RESERVOIR NEAR MUNCHCLIFFE BECK Data Type: Point Name: HINCHCLIFFE & SONS LTD Easting: 422284 Northing: 408322	Annual Volume (m^3): 68182 Max Daily Volume (m^3): 500 Original Application No: NPS/WR/024659 Original Start Date: 17/03/1966 Expiry Date: - Issue No: 102 Version Start Date: 24/01/2017 Version End Date: -
A	425m SW	Status: Active Licence No: 2/27/08/052 Details: Non-Evaporative Cooling Direct Source: SURFACE WATER Point: RIVER DEARNE - RESERVOIR NEAR MUNCHCLIFFE BECK Data Type: Point Name: HINCHCLIFFE & SONS LTD Easting: 422284 Northing: 408322	Annual Volume (m^3): 68182 Max Daily Volume (m^3): 500 Original Application No: NPS/WR/024659 Original Start Date: 17/03/1966 Expiry Date: - Issue No: 102 Version Start Date: 24/01/2017 Version End Date: -
A	429m SW	Status: Historical Licence No: 2/27/08/052 Details: General use relating to Secondary Category (Medium Loss) Direct Source: SURFACE WATER Point: RIVER DEARNE AND MUNCHCLIFFE BECK Data Type: Point Name: HINCHCLIFFE & SONS LTD Easting: 422280 Northing: 408320	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 17/03/1966 Expiry Date: - Issue No: 101 Version Start Date: 24/12/1999 Version End Date: -

ID	Location	Details	
A	429m SW	Status: Historical Licence No: 2/27/08/052 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: SURFACE WATER Point: RESERVOIR NEAR MUNCHCLIFFE BECK Data Type: Point Name: HINCHCLIFFE & SONS LTD Easting: 422280 Northing: 408320	Annual Volume (m^3): 68182 Max Daily Volume (m^3): 500 Original Application No: - Original Start Date: 17/03/1966 Expiry Date: - Issue No: 101 Version Start Date: 24/12/1999 Version End Date: -
C	604m SW	Status: Active Licence No: NE/027/0008/017 Details: Transfer Between Sources (Post Water Act 2003) Direct Source: SURFACE WATER Point: MUNCHCLIFFE BECK TRANSFER Data Type: Point Name: HINCHCLIFFE & SONS LTD Easting: 422119 Northing: 408252	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: NPS/WR/025125 Original Start Date: 24/01/2017 Expiry Date: 31/03/2029 Issue No: 1 Version Start Date: 24/01/2017 Version End Date: -
1	642m SW	Status: Historical Licence No: 2/27/08/052 Details: General use relating to Secondary Category (Medium Loss) Direct Source: SURFACE WATER Point: RIVER DEARNE & MUNCHCLIFFE BK Data Type: Point Name: HINCHCLIFFE & SONS LTD Easting: 422100 Northing: 408200	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 17/03/1966 Expiry Date: - Issue No: 101 Version Start Date: 24/12/1999 Version End Date: -
C	646m W	Status: Historical Licence No: 2/27/08/052 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: SURFACE WATER Point: RIVER DEARNE AND MUNCHCLIFFE BECK Data Type: Point Name: HINCHCLIFFE & SONS LTD Easting: 422070 Northing: 408260	Annual Volume (m^3): 68182 Max Daily Volume (m^3): 500 Original Application No: - Original Start Date: 17/03/1966 Expiry Date: - Issue No: 101 Version Start Date: 24/12/1999 Version End Date: -

ID	Location	Details	
-	734m SW	Status: Historical Licence No: 2/27/08/052 Details: General use relating to Secondary Category (Medium Loss) Direct Source: SURFACE WATER Point: RIVER DEARNE & MUNCHCLIFFE BK Data Type: Point Name: HINCHCLIFFE & SONS LTD Easting: 422000 Northing: 408200	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 17/03/1966 Expiry Date: - Issue No: 101 Version Start Date: 24/12/1999 Version End Date: -

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

5.8 Potable abstractions

Records within 2000m	0

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

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

5.9 Source Protection Zones

Records within 500m	0

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

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

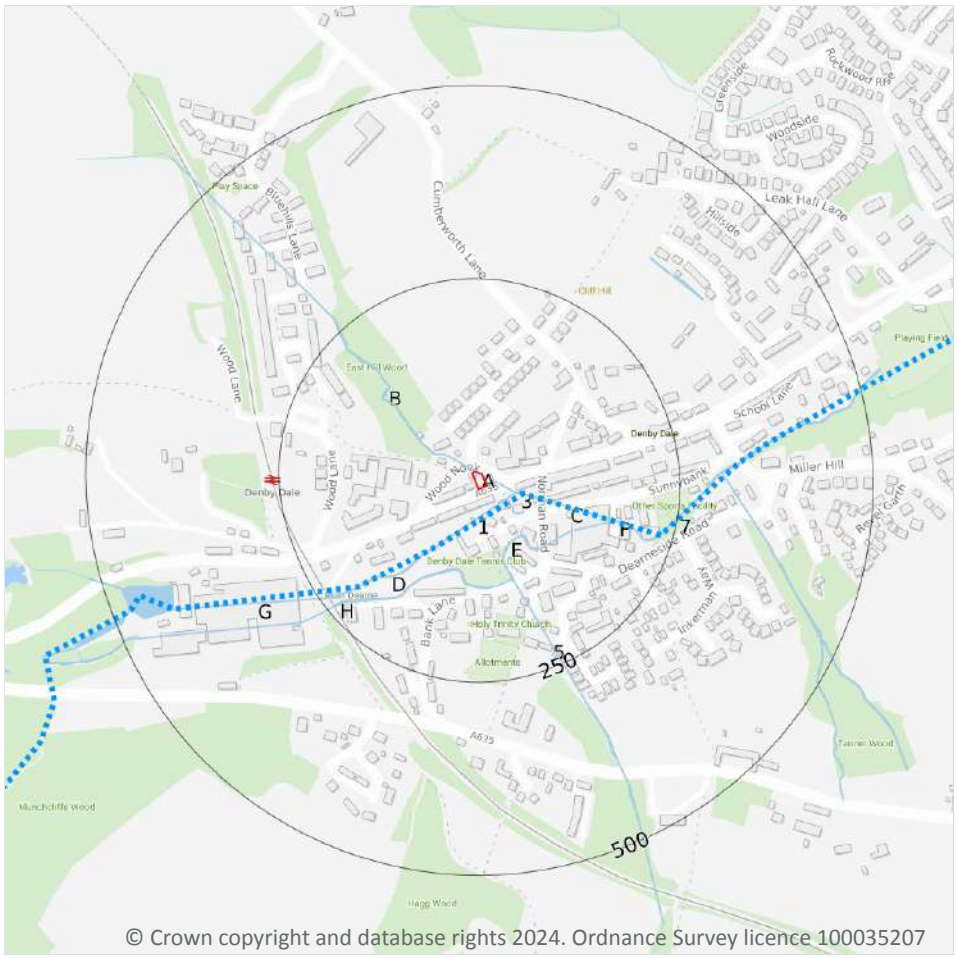
5.10 Source Protection Zones (confined aquifer)

Records within 500m	0

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

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

6 Hydrology



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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	20

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 56 >**

ID	Location	Type of water feature	Ground level	Permanence	Name
A	**On site**	**Inland river not influenced by normal tidal action.**	**On ground surface**	**Watercourse contains water year round (in normal circumstances)**	**East Hill Beck**

ID	Location	Type of water feature	Ground level	Permanence	Name
1	28m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Dearne
3	38m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Dearne
B	42m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	East Hill Beck
C	48m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Dearne
E	77m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
E	77m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Dearne
E	80m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Dearne
D	92m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Dearne
C	106m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Dearne
D	108m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Dearne
5	124m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Ash Well Beck
E	124m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Dearne
E	125m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Dearne

ID	Location	Type of water feature	Ground level	Permanence	Name
F	171m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Dearne
F	180m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Dearne
G	229m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Dearne
7	234m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Dearne
H	234m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
H	234m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Dearne

This data is sourced from the Ordnance Survey.

6.2 Surface water features

Records within 250m	5

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

Features are displayed on the Hydrology map on **page 56 >**

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 56 >**

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
A	**On site**	**River**	**Dearne from Source to Bentley Brook**	**GB104027063220**	**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 56 >**

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
2	33m SE	River	Dearne from Source to Bentley Brook	GB104027063220 ↗	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 56 >**

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.

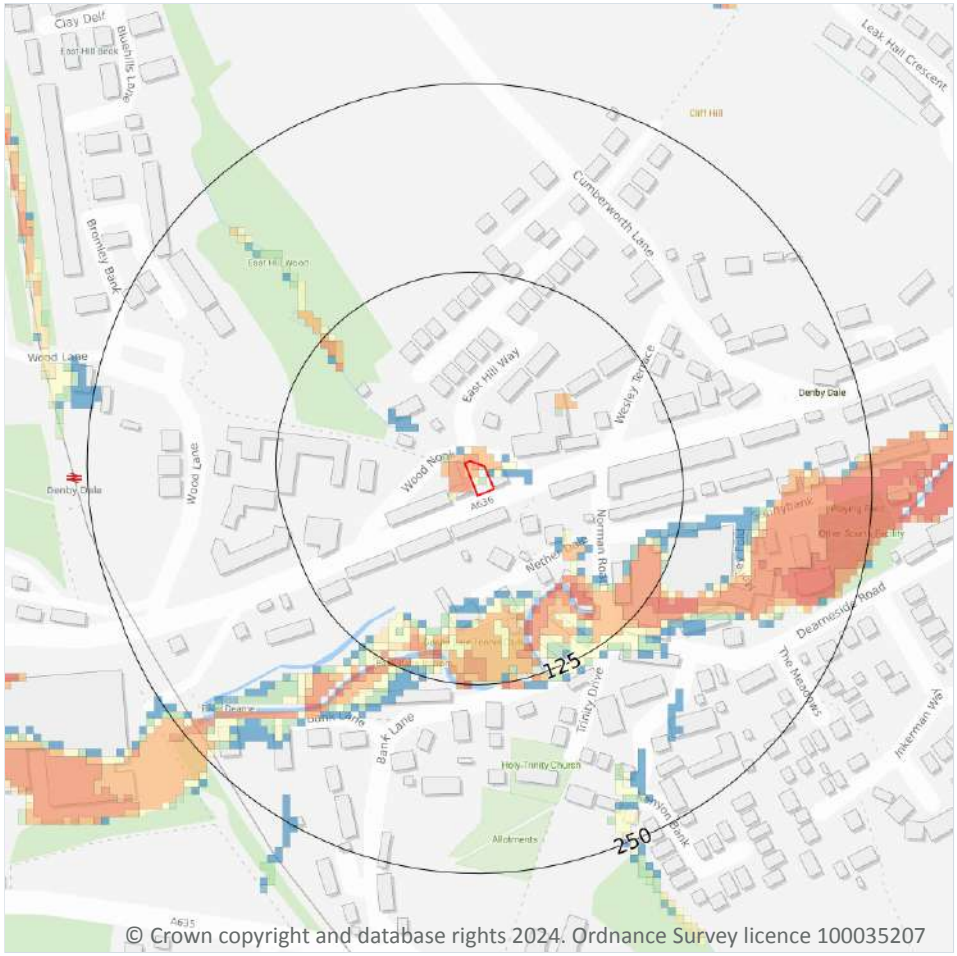
7.7 Flood Zone 3

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



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Site Outline

Search buffers in metres (m)

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

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

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

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

8.1 Surface water flooding

Highest risk on site	**1 in 30 year, 0.3m - 1.0m**
Highest risk within 50m	**1 in 30 year, 0.3m - 1.0m**

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

Features are displayed on the Surface water flooding map on **page 63 >**

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	Between 0.3m and 1.0m
1 in 250 year	Between 0.3m and 1.0m
1 in 100 year	Between 0.3m and 1.0m
1 in 30 year	Between 0.3m and 1.0m

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

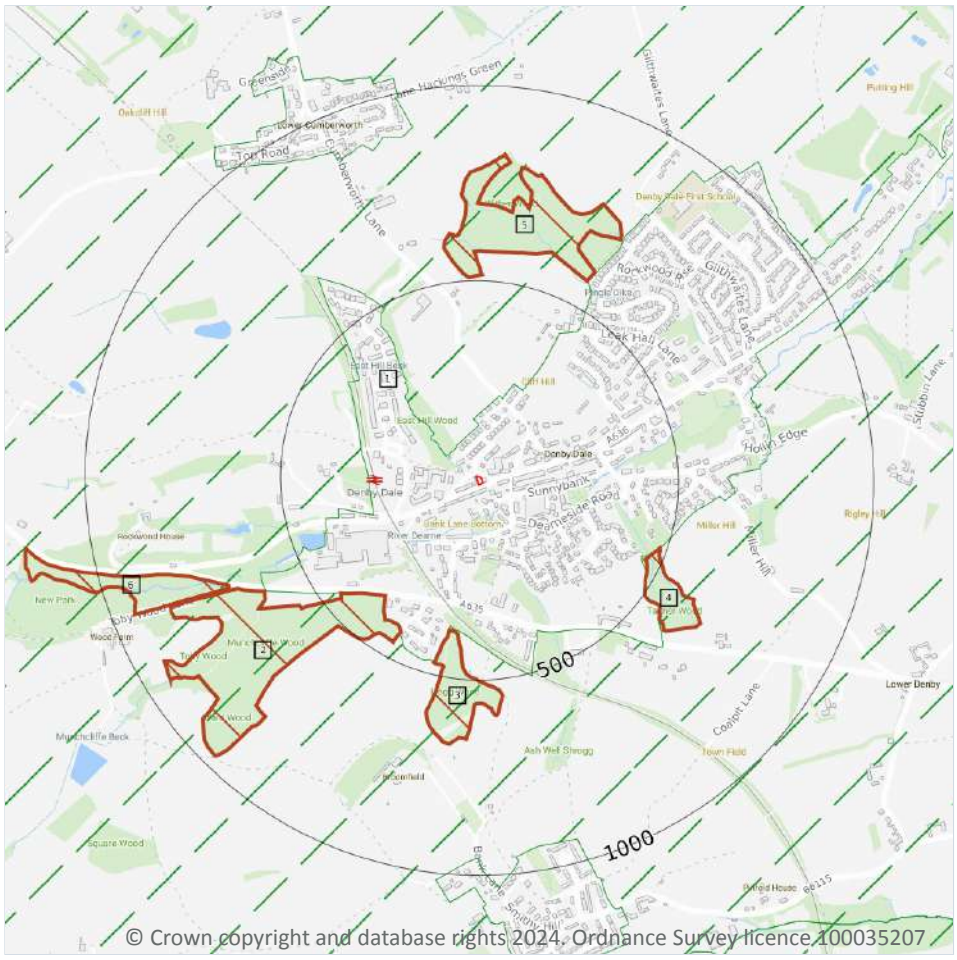
Highest risk on site	**Negligible**
Highest risk within 50m	**Negligible**

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 65 >**

This data is sourced from Ambiental Risk Analytics.

10 Environmental designations



Site Outline

Search buffers in metres (m)

Designated Ancient Woodland

Green Belt

10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m	0

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

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

10.2 Conserved wetland sites (Ramsar sites)

Records within 2000m	0

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

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

10.3 Special Areas of Conservation (SAC)

Records within 2000m	0

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

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

10.4 Special Protection Areas (SPA)

Records within 2000m	0

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

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

10.5 National Nature Reserves (NNR)

Records within 2000m	0

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

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

10.6 Local Nature Reserves (LNR)

Records within 2000m	0

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

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

10.7 Designated Ancient Woodland

Records within 2000m	11

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

Features are displayed on the Environmental designations map on **page 66 >**

ID	Location	Name	Woodland Type
2	372m SW	Munchcliffe And Ward Woods	Ancient Replanted Woodland
3	378m S	Hagg Wood	Ancient Replanted Woodland
4	458m SE	Tanner Wood	Ancient & Semi-Natural Woodland
5	510m N	Wither Wood	Ancient Replanted Woodland
6	691m SW	Munchcliffe And Ward Woods	Ancient Replanted Woodland
-	1289m W	New House, Green And Burn Woods	Ancient Replanted Woodland
-	1690m E	Baycroft Wood	Ancient Replanted Woodland
-	1768m S	Margaret Wood	Ancient Replanted Woodland
-	1778m SE	Cuckold Carr	Ancient Replanted Woodland
-	1779m SE	Cuckold Carr	Ancient & Semi-Natural Woodland
-	1935m SE	Burnt Cote Wood	Ancient Replanted Woodland

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

10.8 Biosphere Reserves

Records within 2000m	0

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

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

10.9 Forest Parks

Records within 2000m	0

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

This data is sourced from the Forestry Commission.

10.10 Marine Conservation Zones

Records within 2000m	0

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

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

10.11 Green Belt

Records within 2000m	3

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

Features are displayed on the Environmental designations map on **page 66 >**

ID	Location	Name	Local Authority name
1	88m NW	South and West Yorkshire	Kirklees
8	1315m SE	South and West Yorkshire	Barnsley
-	1330m S	South and West Yorkshire	Kirklees

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

10.12 Proposed Ramsar sites

Records within 2000m	0

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

This data is sourced from Natural England.

10.13 Possible Special Areas of Conservation (pSAC)

Records within 2000m	0

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

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

10.14 Potential Special Protection Areas (pSPA)

Records within 2000m	0

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

This data is sourced from Natural England.

10.15 Nitrate Sensitive Areas

Records within 2000m	0

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

This data is sourced from Natural England.

10.16 Nitrate Vulnerable Zones

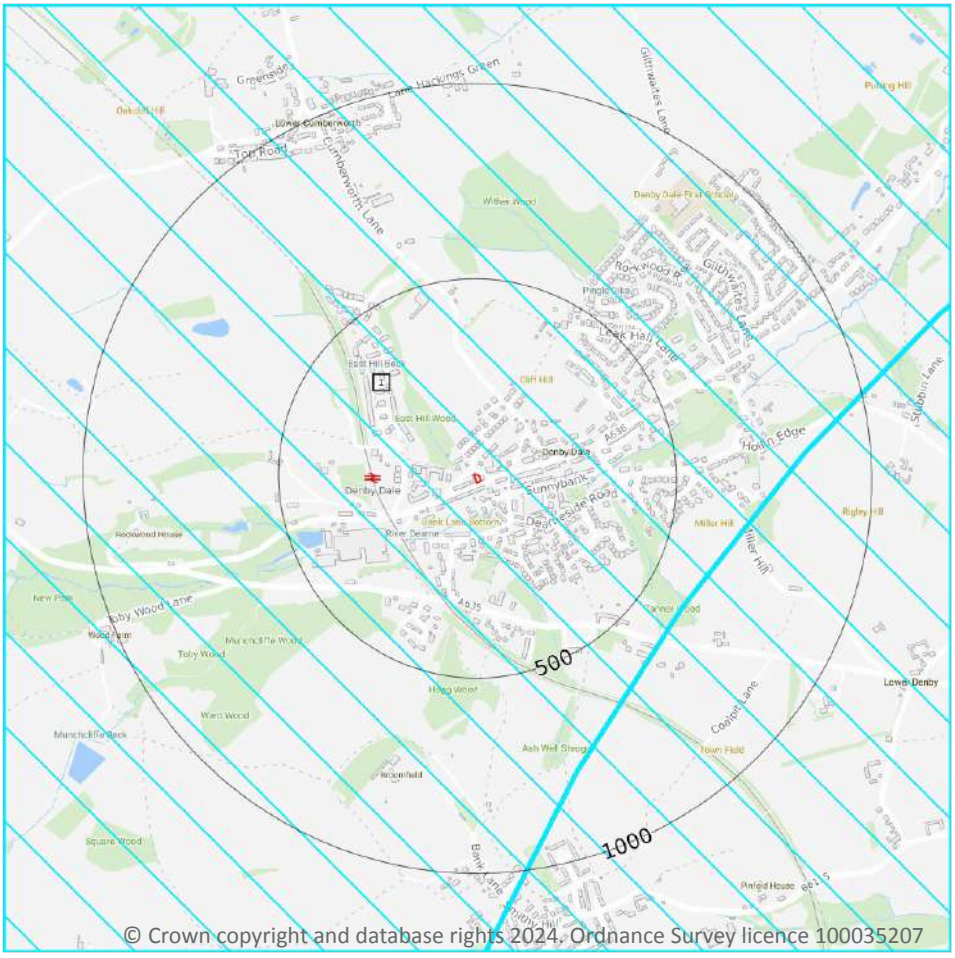
Records within 2000m	2

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**
1402m E	River Dearne NVZ	Surface Water	278	Existing

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

SSSI Impact Zones and Units



Site Outline

Search buffers in metres (m)

SSSI Impact Risk Zones

SSSI Units

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

10.17 SSSI Impact Risk Zones

Records on site	1

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

Features are displayed on the SSSI Impact Zones and Units map on **page 72 >**

ID	Location	Type of developments requiring consultation
1	**On site**	**Infrastructure - Airports, helipads and other aviation proposals.** **Minerals, Oil and Gas - Oil & gas exploration/extraction.** **Air pollution - Livestock & poultry units with floorspace > 500m², slurry lagoons & digestate stores > 4000m².** **Combustion - General combustion processes >50MW energy input. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion.**

This data is sourced from Natural England.

10.18 SSSI Units

Records within 2000m	0

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

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

11 Visual and cultural designations

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Site Outline

Search buffers in metres (m)

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

11.1 World Heritage Sites

Records within 250m	0

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

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

11.2 Area of Outstanding Natural Beauty

Records within 250m	0

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

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

11.3 National Parks

Records within 250m	0

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

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

11.4 Listed Buildings

Records within 250m	2

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

Features are displayed on the Visual and cultural designations map on **page 74 >**

ID	Location	Name	Grade	Reference Number	Listed date
1	164m NE	Denby Dale Wesleyan Methodist Church	II	1135295	30/04/1982
2	241m SW	Denby Dale Railway Viaduct	II	1313339	15/08/1985

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.

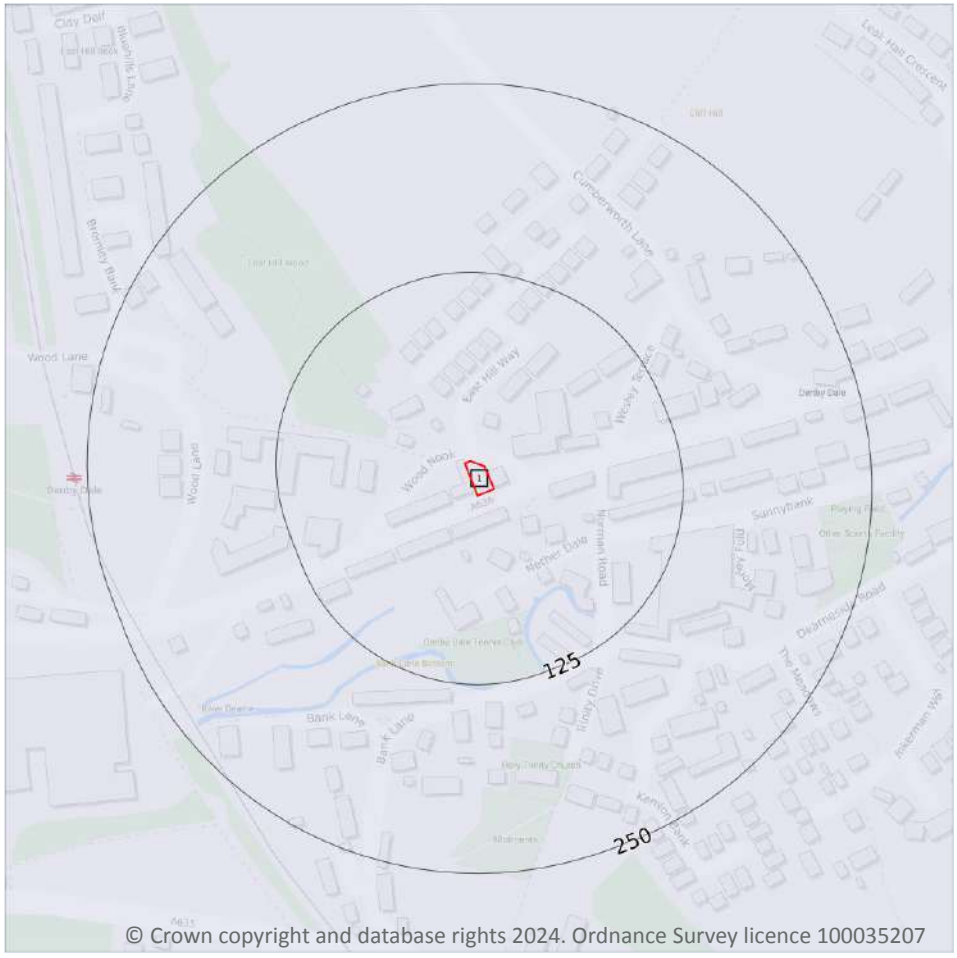
11.7 Registered Parks and Gardens

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



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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 77 >**

ID	Location	Classification	Description
1	**On site**	**Grade 4**	**Poor quality agricultural land. Land with severe limitations which significantly restrict the range of crops and/or level of yields. It is mainly suited to grass with occasional arable crops (e.g. cereals and forage crops) the yields of which are variable. In moist climates, yields of grass may be moderate to high but there may be difficulties in utilisation. The grade also includes very droughty arable land.**

This data is sourced from Natural England.

12.2 Open Access Land

Records within 250m	0

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

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

12.3 Tree Felling Licences

Records within 250m	0

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

This data is sourced from the Forestry Commission.

12.4 Environmental Stewardship Schemes

Records within 250m	0

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

This data is sourced from Natural England.

12.5 Countryside Stewardship Schemes

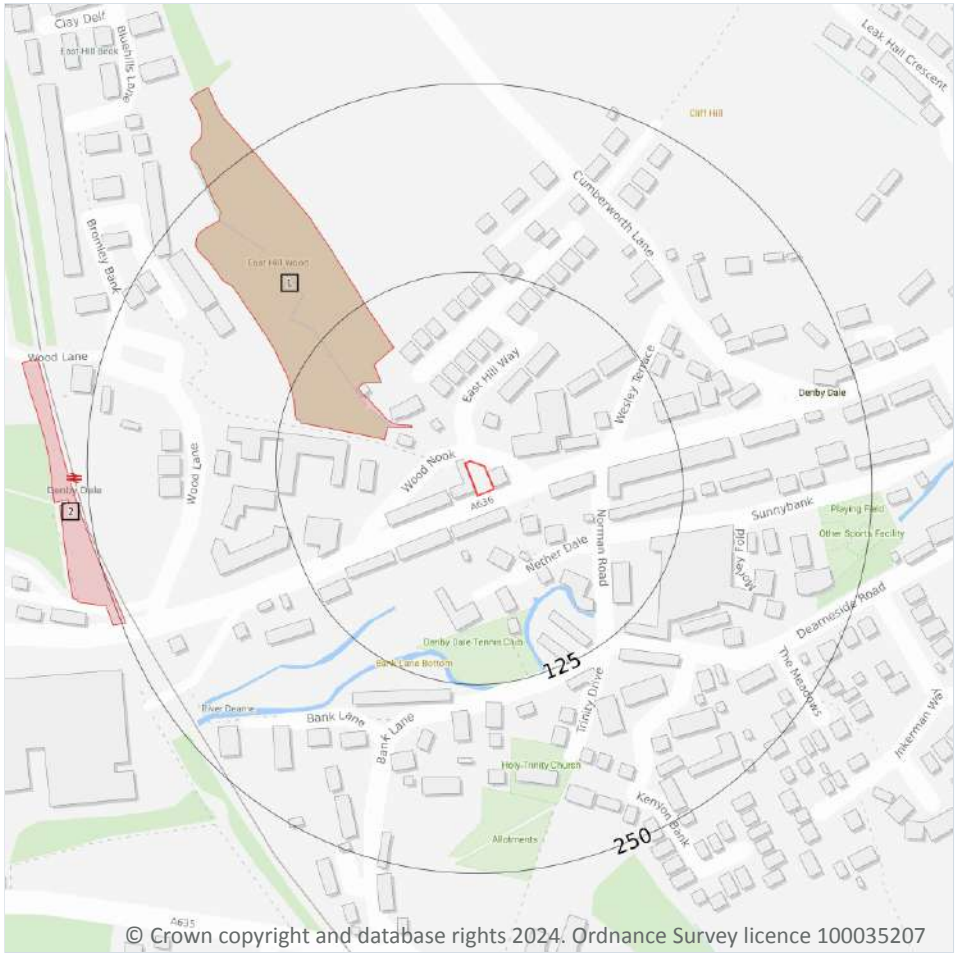
Records within 250m	1

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

Location	Reference	Scheme	Start Date	End Date
208m N	1460770	Countryside Stewardship (Middle Tier)	01/01/2023	31/12/2027

This data is sourced from Natural England.

13 Habitat designations



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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	2

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

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

ID	Location	Main Habitat	Other habitats
1	42m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
2	247m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)

This data is sourced from Natural England.

13.2 Habitat Networks

Records within 250m	0

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

This data is sourced from Natural England.

13.3 Open Mosaic Habitat

Records within 250m	0

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

This data is sourced from Natural England.

13.4 Limestone Pavement Orders

Records within 250m	0

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

This data is sourced from Natural England.

14 Geology 1:10,000 scale - Availability

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Site Outline

Search buffers in metres (m)

- Full coverage
- Partial coverage
- No coverage

14.1 10k Availability

Records within 500m	1

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

Features are displayed on the Geology 1:10,000 scale - Availability map on **page 81 >**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	**On site**	**Full**	**Full**	**Full**	**Full**	**SE20NW**

This data is sourced from the British Geological Survey.

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

Site Outline

Search buffers in metres (m)

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

14.2 Artificial and made ground (10k)

Records within 500m	7

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

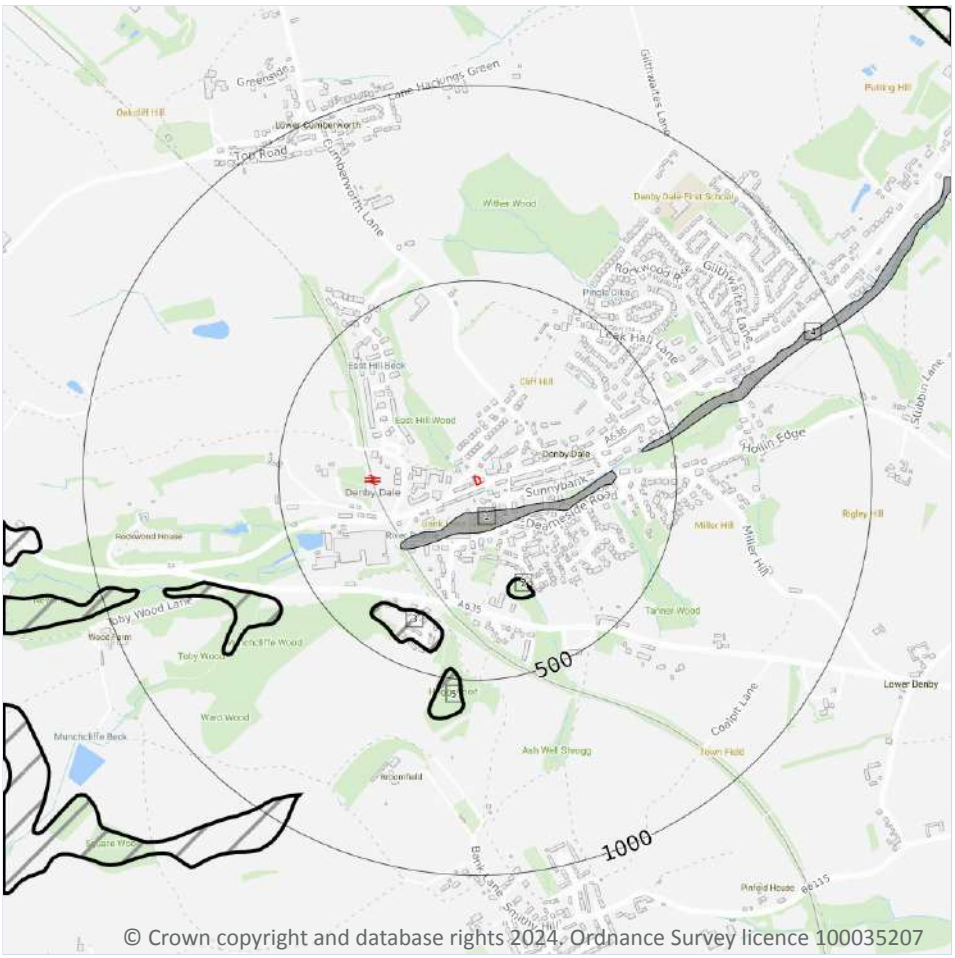
Features are displayed on the Geology 1:10,000 scale - Artificial and made ground map on **page 82 >**

ID	Location	LEX Code	Description	Rock description
1	117m W	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
2	271m W	WGR-VOID	Worked Ground (Undivided)	Void
3	318m S	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
4	337m E	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit

ID	Location	LEX Code	Description	Rock description
A	467m NW	WGR-VOID	Worked Ground (Undivided)	Void
5	484m W	WGR-VOID	Worked Ground (Undivided)	Void
A	488m NW	WMGR-ARTDP	Infilled Ground	Artificial Deposit

This data is sourced from the British Geological Survey.

Geology 1:10,000 scale - Superficial



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Site Outline

Search buffers in metres (m)

Landslip (10k)

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

14.3 Superficial geology (10k)

Records within 500m	2

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

Features are displayed on the Geology 1:10,000 scale - Superficial map on **page 84 >**

ID	Location	LEX Code	Description	Rock description
1	69m S	ALV-CZ	Alluvium - Silty Clay	Clay, Silty
4	419m E	ALV-CZ	Alluvium - Silty Clay	Clay, Silty

This data is sourced from the British Geological Survey.

14.4 Landslip (10k)

Records within 500m	3

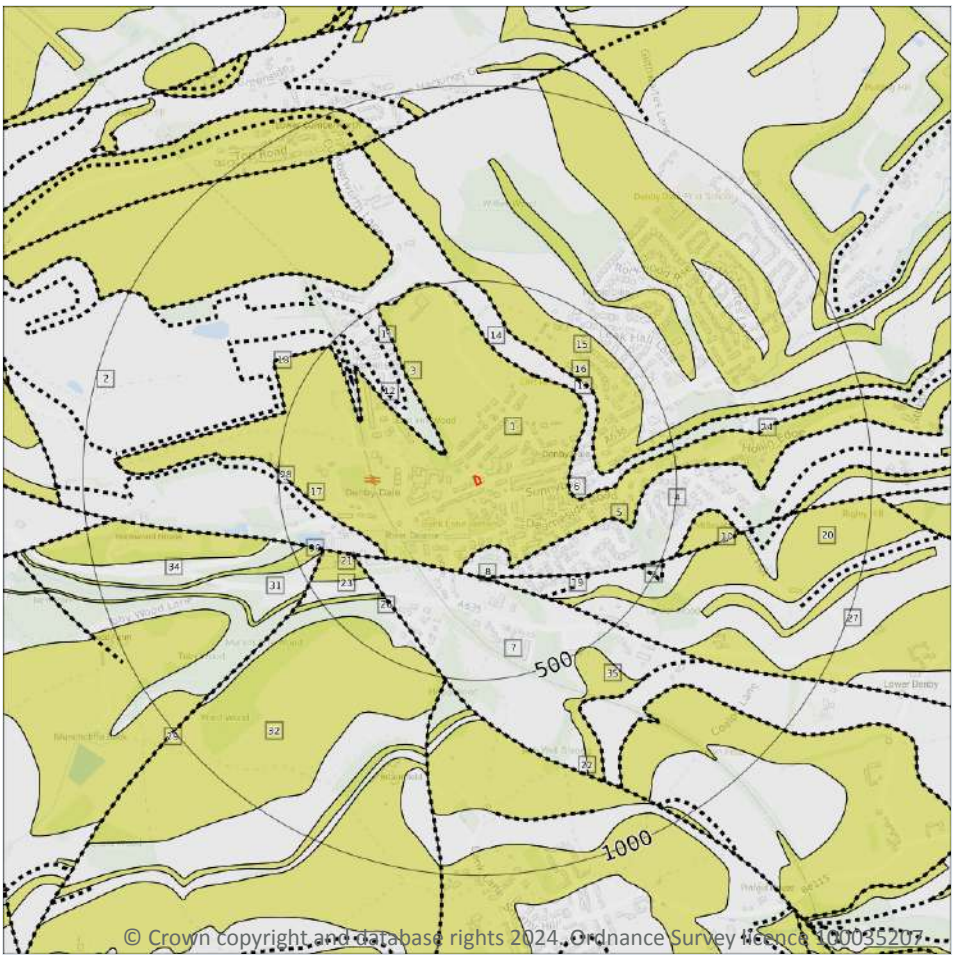
Mass movement deposits on BGS geological maps at 1:10,000 scale. Primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground.

Features are displayed on the Geology 1:10,000 scale - Superficial map on **page 84 >**

ID	Location	LEX Code	Description	Rock description
2	261m S	SLIP-UKNOWN	Landslide Deposits	Unknown/unclassified Entry
3	357m SW	SLIP-UKNOWN	Landslide Deposits	Unknown/unclassified Entry
5	476m S	SLIP-UKNOWN	Landslide Deposits	Unknown/unclassified Entry

This data is sourced from the British Geological Survey.

Geology 1:10,000 scale - Bedrock



Site Outline

Search buffers in metres (m)

Bedrock faults and other linear features (10k)

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

14.5 Bedrock geology (10k)

Records within 500m	17

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 86 >**

ID	Location	LEX Code	Description	Rock age
1	**On site**	**PLCM-SDST**	**Pennine Lower Coal Measures Formation - Sandstone**	**Langsettian Sub-age**
2	91m NW	PLCM-MDSI	Pennine Lower Coal Measures Formation - Mudstone And Siltstone	Langsettian Sub-age
4	160m S	PLCM-MDSI	Pennine Lower Coal Measures Formation - Mudstone And Siltstone	Langsettian Sub-age

ID	Location	LEX Code	Description	Rock age
7	229m S	PLCM-MDSI	Pennine Lower Coal Measures Formation - Mudstone And Siltstone	Langsettian Sub-age
9	238m S	PLCM-MDSI	Pennine Lower Coal Measures Formation - Mudstone And Siltstone	Langsettian Sub-age
15	296m E	PF-SDST	Penistone Flags - Sandstone	Langsettian Sub-age
20	343m SE	PLCM-SDST	Pennine Lower Coal Measures Formation - Sandstone	Langsettian Sub-age
21	362m SW	GM-SDST	Greenmoor Rock - Sandstone	Langsettian Sub-age
23	362m SW	PLCM-MDSI	Pennine Lower Coal Measures Formation - Mudstone And Siltstone	Langsettian Sub-age
25	369m SW	GM-SDST	Greenmoor Rock - Sandstone	Langsettian Sub-age
26	373m SW	PLCM-MDSI	Pennine Lower Coal Measures Formation - Mudstone And Siltstone	Langsettian Sub-age
27	394m SE	PLCM-MDSI	Pennine Lower Coal Measures Formation - Mudstone And Siltstone	Langsettian Sub-age
30	426m SW	GM-SDST	Greenmoor Rock - Sandstone	Langsettian Sub-age
31	433m SW	PLCM-MDSI	Pennine Lower Coal Measures Formation - Mudstone And Siltstone	Langsettian Sub-age
32	438m SW	GR-SDST	Grenoside Sandstone - Sandstone	Langsettian Sub-age
34	466m W	PLCM-MDSI	Pennine Lower Coal Measures Formation - Mudstone And Siltstone	Langsettian Sub-age
35	494m SE	PF-SDST	Penistone Flags - Sandstone	Langsettian Sub-age

This data is sourced from the British Geological Survey.

14.6 Bedrock faults and other linear features (10k)

Records within 500m	**18**

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 86 >**

ID	Location	Category	Description
3	91m NW	ROCK	Coal seam, observed ()
5	160m S	ROCK	Coal seam, inferred ()

ID	Location	Category	Description
6	223m E	ROCK	Coal seam, inferred ()
8	229m S	FAULT	Normal fault, inferred; crossmarks on downthrow side
10	238m S	FAULT	Normal fault, inferred; crossmarks on downthrow side
11	248m NW	ROCK	Coal seam, observed ()
12	279m NW	ROCK	Coal seam, inferred ()
13	295m NE	ROCK	Coal seam, observed ()
14	296m NE	ROCK	Coal seam, inferred ()
16	296m E	ROCK	Coal seam, inferred ()
17	296m SW	ROCK	Coal seam, inferred ()
18	320m NW	ROCK	Coal seam, observed ()
19	332m SE	ROCK	Coal seam, inferred ()
22	362m SW	FAULT	Normal fault, inferred; crossmarks on downthrow side
24	369m E	ROCK	Coal seam, observed ()
28	414m W	ROCK	Coal seam, inferred ()
29	426m SW	FAULT	Normal fault, inferred; crossmarks on downthrow side
33	458m SE	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 89 >**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	**On site**	**Full**	**Full**	**Full**	**Full**	**EW086_glossop_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	2

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 90 >**

ID	Location	LEX Code	Description	Rock description
1	117m W	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT
2	483m W	WGR-VOID	WORKED GROUND (UNDIVIDED)	VOID

This data is sourced from the British Geological Survey.

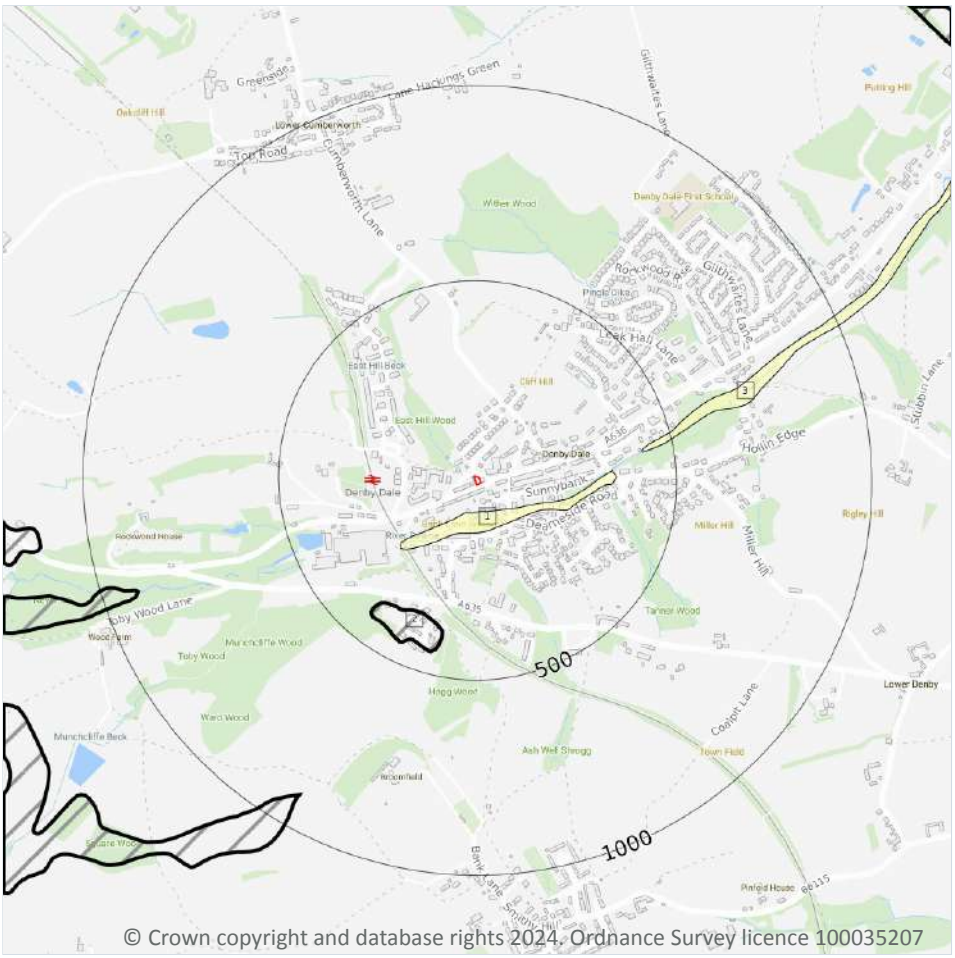
15.3 Artificial ground permeability (50k)

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



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Site Outline

Search buffers in metres (m)

Landslip (50k)

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

15.4 Superficial geology (50k)

Records within 500m	2

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

Features are displayed on the Geology 1:50,000 scale - Superficial map on **page 92 >**

ID	Location	LEX Code	Description	Rock description
1	69m S	ALV-XCZ	ALLUVIUM	CLAY AND SILT
3	419m E	ALV-XCZ	ALLUVIUM	CLAY AND SILT

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	1

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

Features are displayed on the Geology 1:50,000 scale - Superficial map on **page 92 >**

ID	Location	LEX Code	Description	Rock description
2	357m SW	SLIP-UKNOWN	LANDSLIDE DEPOSITS	UNKNOWN/UNCLASSIFIED ENTRY

This data is sourced from the British Geological Survey.

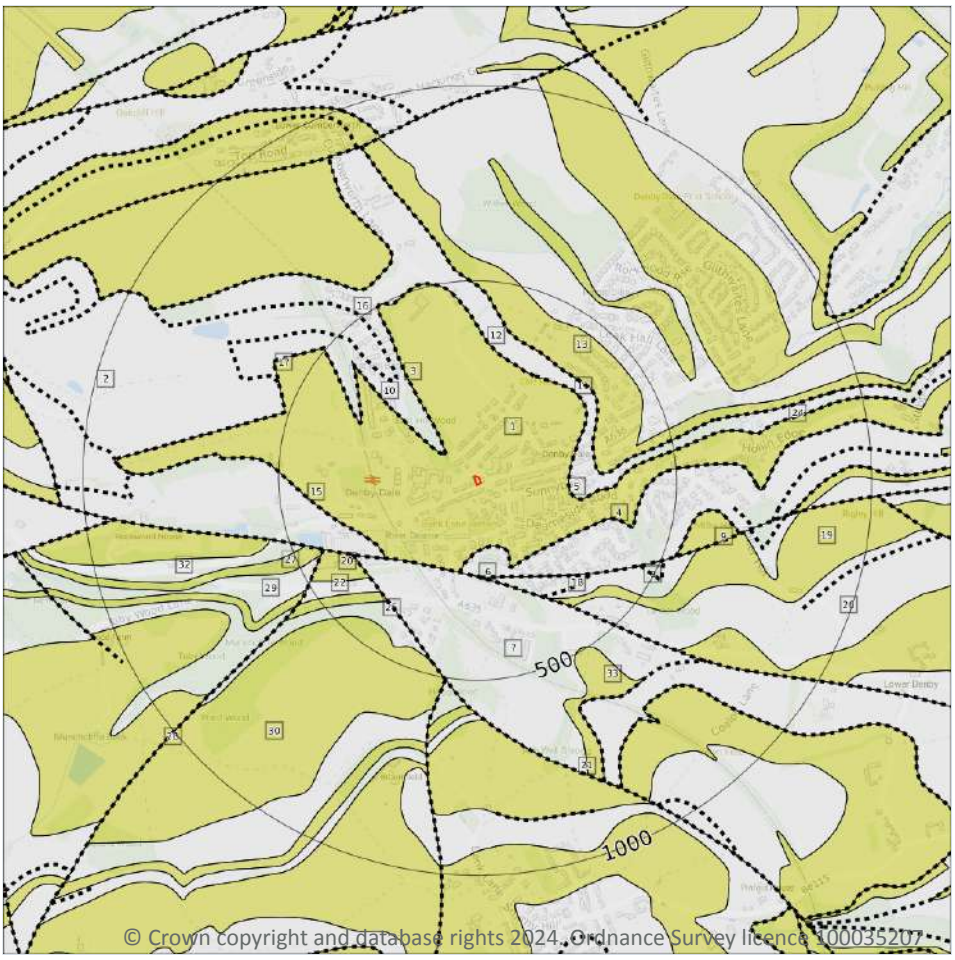
15.7 Landslip permeability (50k)

Records within 50m	0

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

This data is sourced from the British Geological Survey.

Geology 1:50,000 scale - Bedrock



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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	16

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 94 >**

ID	Location	LEX Code	Description	Rock age
1	**On site**	**PLCM-SDST**	**PENNINE LOWER COAL MEASURES FORMATION - SANDSTONE**	**WESTPHALIAN**
2	91m NW	PLCM-MDSS	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN

ID	Location	LEX Code	Description	Rock age
7	229m S	PLCM-MDSI	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE AND SILTSTONE	WESTPHALIAN
8	238m S	PLCM-MDSI	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE AND SILTSTONE	WESTPHALIAN
13	296m E	PF-SDST	PENISTONE FLAGS - SANDSTONE	WESTPHALIAN
19	343m SE	PLCM-SDST	PENNINE LOWER COAL MEASURES FORMATION - SANDSTONE	WESTPHALIAN
20	361m SW	GM-SDST	GREENMOOR ROCK - SANDSTONE	WESTPHALIAN
22	362m SW	PLCM-MDSI	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE AND SILTSTONE	WESTPHALIAN
23	368m SW	GM-SDST	GREENMOOR ROCK - SANDSTONE	WESTPHALIAN
25	375m SW	PLCM-MDSI	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE AND SILTSTONE	WESTPHALIAN
26	394m SE	PLCM-MDSI	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE AND SILTSTONE	WESTPHALIAN
27	426m SW	GM-SDST	GREENMOOR ROCK - SANDSTONE	WESTPHALIAN
29	438m SW	PLCM-MDSI	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE AND SILTSTONE	WESTPHALIAN
30	438m SW	GR-SDST	GRENOSIDE SANDSTONE - SANDSTONE	WESTPHALIAN
32	466m W	PLCM-MDSI	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE AND SILTSTONE	WESTPHALIAN
33	494m SE	PF-SDST	PENISTONE FLAGS - SANDSTONE	WESTPHALIAN

This data is sourced from the British Geological Survey.

15.9 Bedrock permeability (50k)

Records within 50m	1

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

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

This data is sourced from the British Geological Survey.

15.10 Bedrock faults and other linear features (50k)

Records within 500m	17

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 94 >**

ID	Location	Category	Description
3	91m NW	ROCK	Coal seam, observed
4	160m S	ROCK	Coal seam, inferred
5	223m E	ROCK	Coal seam, inferred
6	229m S	FAULT	Fault, inferred
9	238m S	FAULT	Fault, inferred
10	280m NW	ROCK	Coal seam, inferred
11	295m NE	ROCK	Coal seam, observed
12	296m NE	ROCK	Coal seam, inferred
14	296m E	ROCK	Coal seam, inferred
15	297m SW	ROCK	Coal seam, inferred
16	317m NW	ROCK	Coal seam, observed
17	320m NW	ROCK	Coal seam, observed
18	331m SE	ROCK	Coal seam, inferred
21	362m SW	FAULT	Fault, inferred
24	369m E	ROCK	Coal seam, observed
28	426m SW	FAULT	Fault, inferred
31	459m SE	ROCK	Coal seam, inferred

This data is sourced from the British Geological Survey.

16 Boreholes

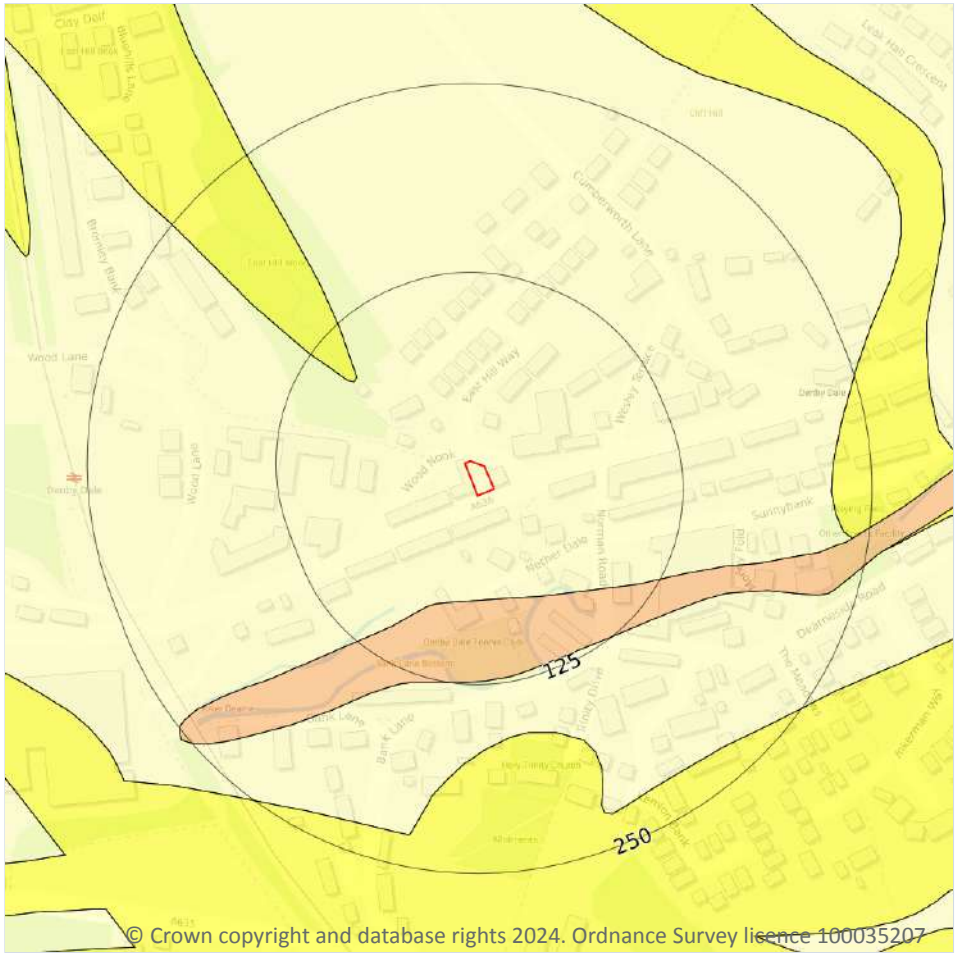
16.1 BGS Boreholes

Records within 250m	0

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.

This data is sourced from the British Geological Survey.

17 Natural ground subsidence - Shrink swell clays



Site Outline

Search buffers in metres (m)

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

17.1 Shrink swell clays

Records within 50m	1

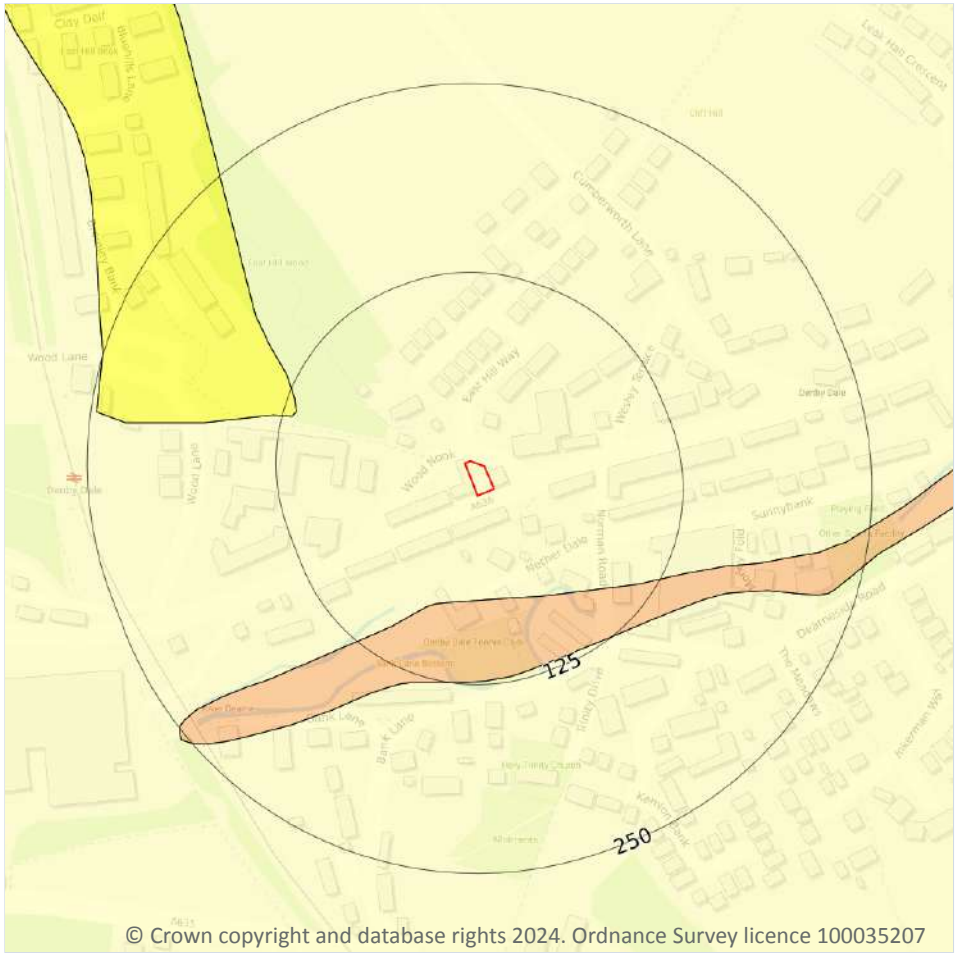
The potential hazard presented by soils that absorb water when wet (making them swell), and lose water as they dry (making them shrink). This shrink-swell behaviour is controlled by the type and amount of clay in the soil, and by seasonal changes in the soil moisture content (related to rainfall and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

Features are displayed on the Natural ground subsidence - Shrink swell clays map on **page 98 >**

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

This data is sourced from the British Geological Survey.

Natural ground subsidence - Running sands



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Site Outline

Search buffers in metres (m)

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

17.2 Running sands

Records within 50m	1

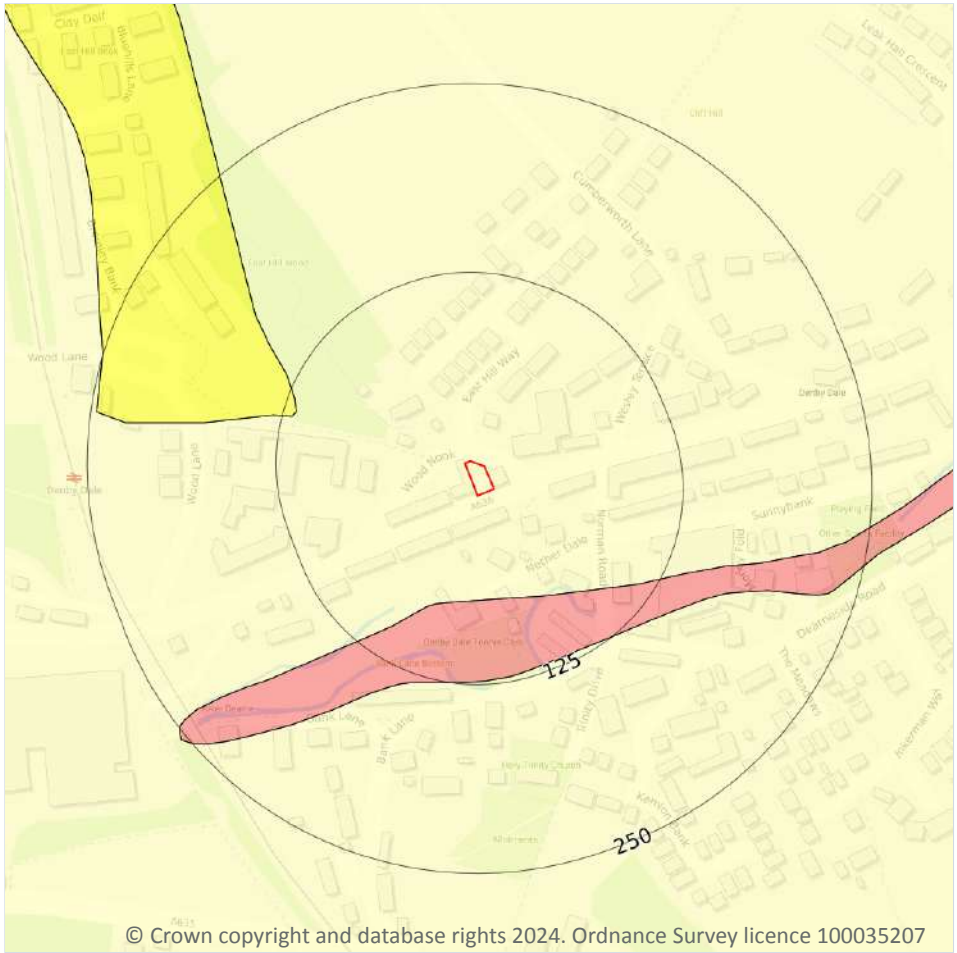
The potential hazard presented by rocks that can contain loosely-packed sandy layers that can become fluidised by water flowing through them. Such sands can 'run', removing support from overlying buildings and causing potential damage.

Features are displayed on the Natural ground subsidence - Running sands map on **page 99 >**

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



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Site Outline

Search buffers in metres (m)

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

17.3 Compressible deposits

Records within 50m	1

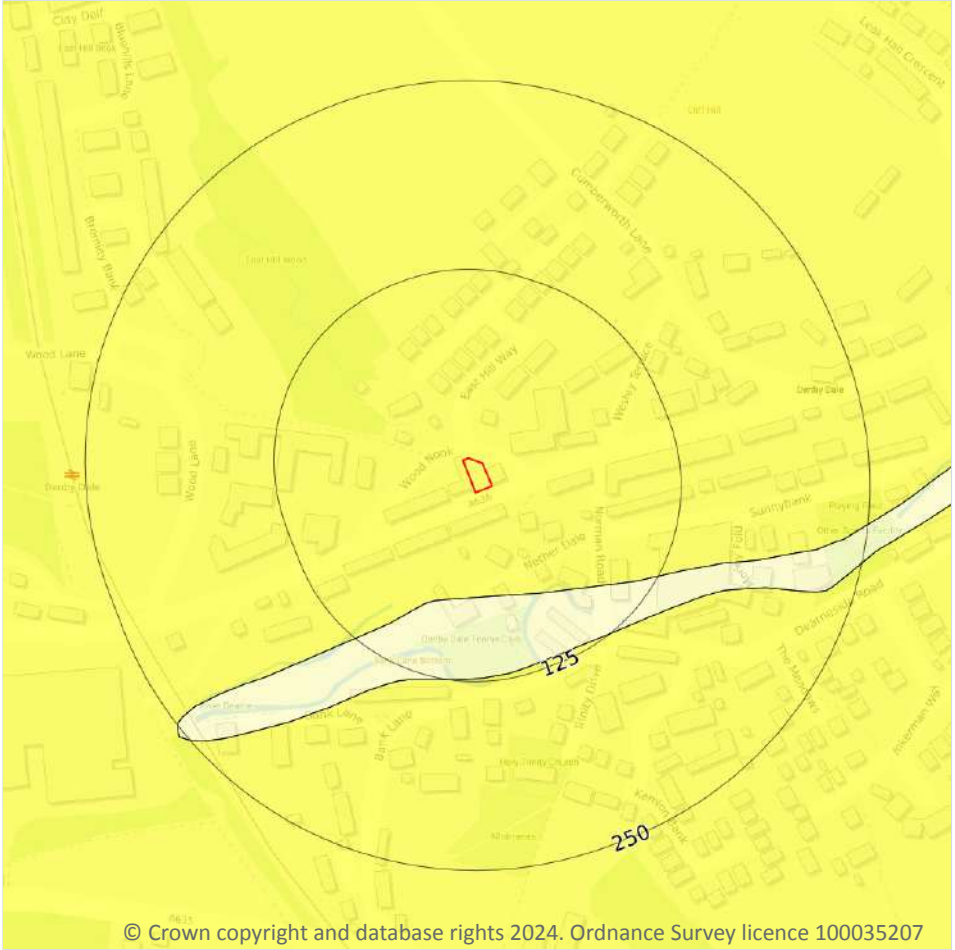
The potential hazard presented by types of ground that may contain layers of very soft materials like clay or peat and may compress if loaded by overlying structures, or if the groundwater level changes, potentially resulting in depression of the ground and disturbance of foundations.

Features are displayed on the Natural ground subsidence - Compressible deposits map on **page 100 >**

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



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Site Outline

Search buffers in metres (m)

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

17.4 Collapsible deposits

Records within 50m	1

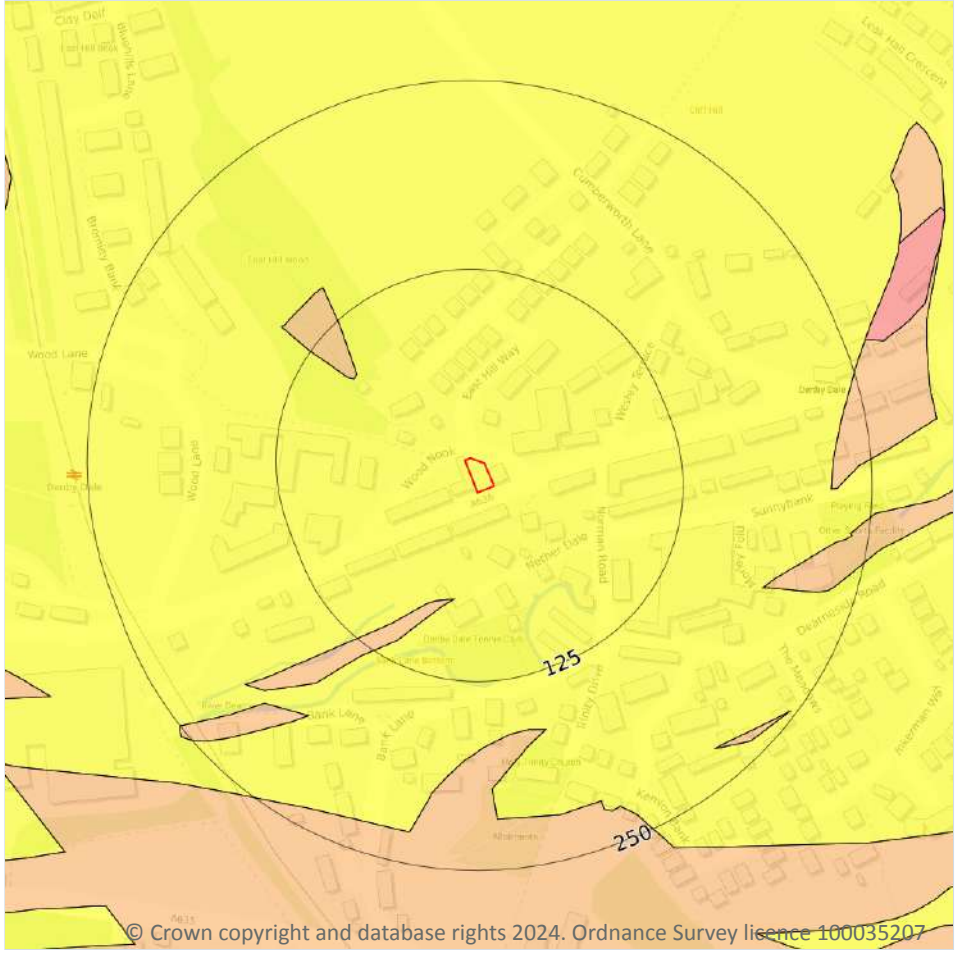
The potential hazard presented by natural deposits that could collapse when a load (such as a building) is placed on them or they become saturated with water.

Features are displayed on the Natural ground subsidence - Collapsible deposits map on **page 101 >**

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



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Site Outline

Search buffers in metres (m)

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

17.5 Landslides

Records within 50m	1

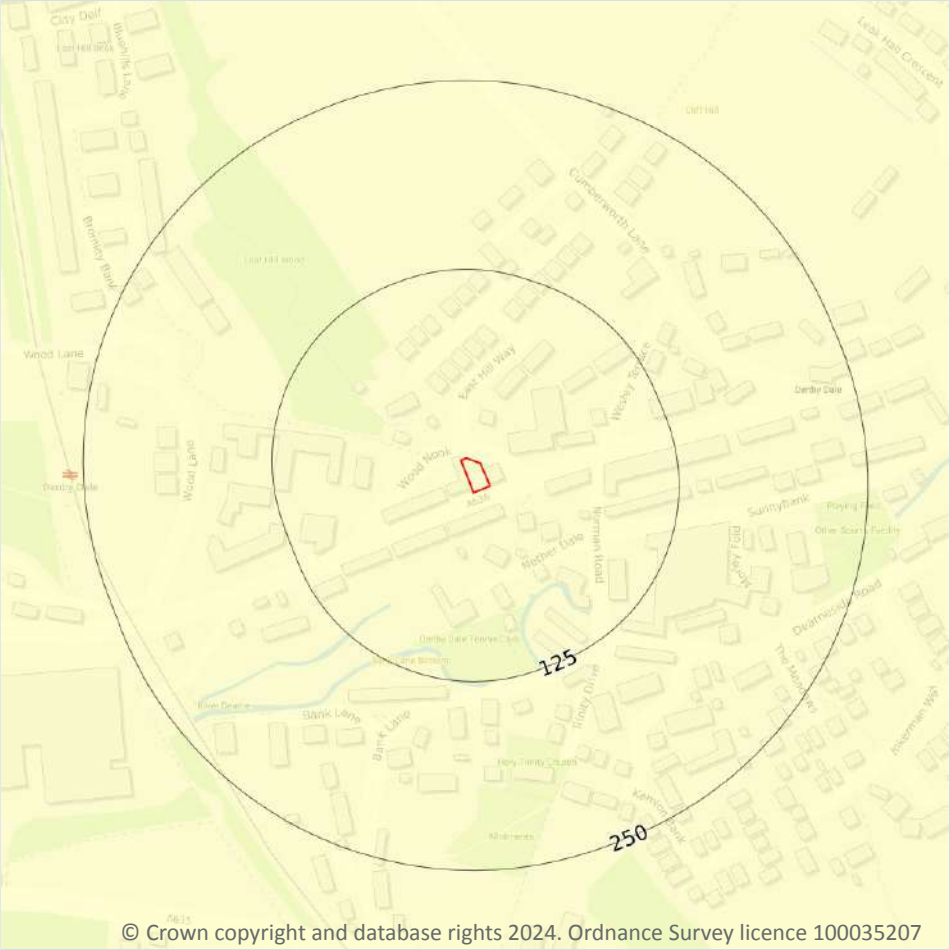
The potential for landsliding (slope instability) to be a hazard assessed using 1:50,000 scale digital maps of superficial and bedrock deposits, combined with information from the BGS National Landslide Database and scientific and engineering reports.

Features are displayed on the Natural ground subsidence - Landslides map on **page 102 >**

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

This data is sourced from the British Geological Survey.

Natural ground subsidence - Ground dissolution of soluble rocks



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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

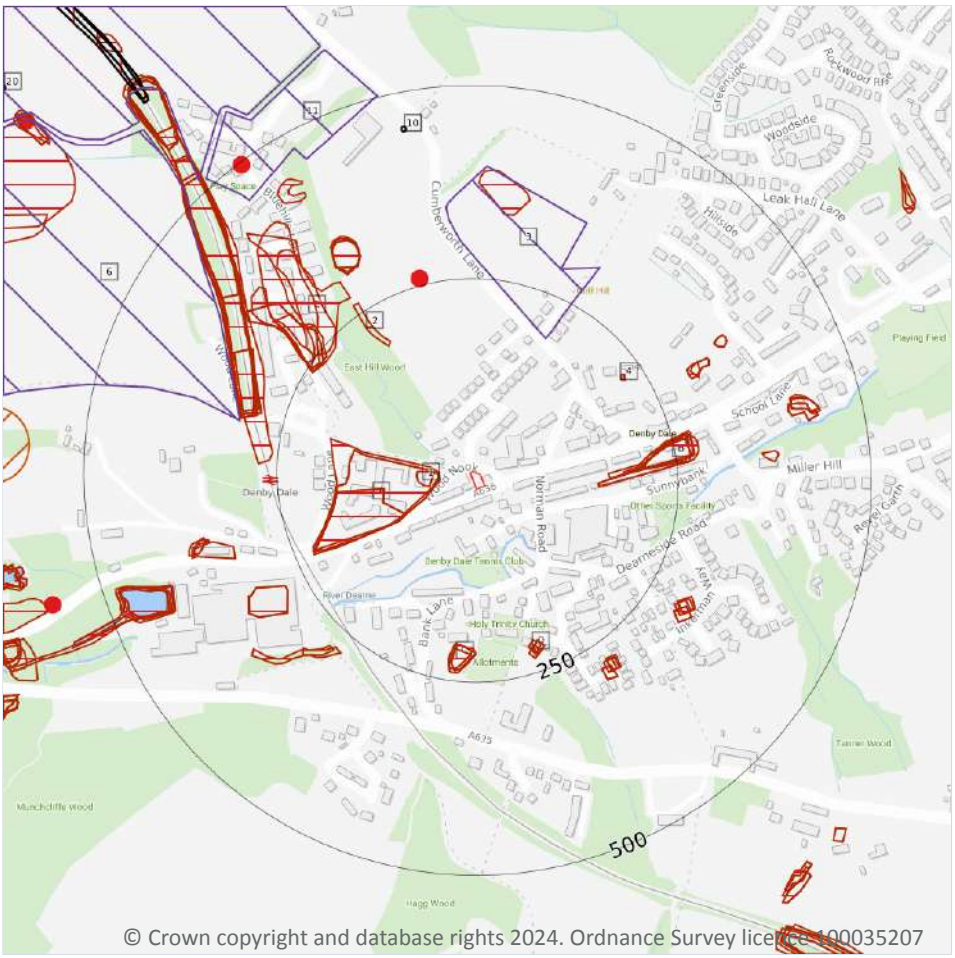
The potential hazard presented by ground dissolution, which occurs when water passing through soluble rocks produces underground cavities and cave systems. These cavities reduce support to the ground above and can cause localised collapse of the overlying rocks and deposits.

Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on **page 103 >**

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



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Site Outline

Search buffers in metres (m)

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

Non Coal Mining

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

18.1 BritPits

Records within 500m	2

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

Features are displayed on the Mining and ground workings map on **page 105 >**

ID	Location	Details	Description
5	259m N	Name: Cumberworth Lane Coal Pit Address: Denby Dale, HOLMFIRTH, West Yorkshire Commodity: Coal, Deep Status: Ceased	Type: Working is wholly underground, access by shaft, adit or drift. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun Ee - Scots) Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
13	497m NW	Name: Bromleys, East of Railway Address: Denby Dale, HUDDERSFIELD, West Yorkshire Commodity: Clay & Shale Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority

This data is sourced from the British Geological Survey.

18.2 Surface ground workings

Records within 250m	32

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 105 >**

ID	Location	Land Use	Year of mapping	Mapping scale
A	40m W	Brick Works	1933	1:10560
A	40m W	Brick Works	1933	1:10560
A	40m W	Brick Works	1951	1:10560
1	47m W	Unspecified Pit	1891	1:10560
A	98m SW	Brick Works	1948	1:10560
A	98m SW	Brick Works	1903	1:10560
B	147m E	Reservoir	1948	1:10560
B	147m E	Pond	1904	1:10560
B	160m E	Pond	1891	1:10560
B	181m E	Reservoir	1932	1:10560
B	187m E	Reservoir	1951	1:10560

ID	Location	Land Use	Year of mapping	Mapping scale
B	187m E	Pond	1967	1:10560
2	195m NW	Unspecified Ground Workings	1951	1:10560
C	202m S	Reservoirs	1951	1:10560
C	202m S	Reservoirs	1967	1:10560
C	203m S	Reservoirs	1948	1:10560
C	203m S	Reservoirs	1903	1:10560
C	203m S	Reservoirs	1891	1:10560
C	208m S	Reservoirs	1933	1:10560
D	208m S	Reservoirs	1951	1:10560
B	209m E	Reservoir	1850	1:10560
D	211m S	Reservoirs	1948	1:10560
D	211m S	Reservoirs	1903	1:10560
D	211m S	Reservoirs	1891	1:10560
D	214m S	Reservoirs	1933	1:10560
4	221m NE	Saw Pit	1850	1:10560
E	236m NW	Refuse Heap	1967	1:10560
E	238m NW	Refuse Heap	1933	1:10560
E	238m NW	Refuse Heap	1933	1:10560
E	239m NW	Sand Pit	1948	1:10560
E	241m NW	Refuse Heap	1951	1:10560
E	241m NW	Unspecified Disused Tip	1983	1:10000

This is data is sourced from Ordnance Survey/Groundsure.

18.3 Underground workings

Records within 1000m	9

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 105 >**

ID	Location	Land Use	Year of mapping	Mapping scale
10	449m N	Unspecified Old Shaft	1903	1:10560
T	637m NW	Tunnel	1948	1:10560
T	637m NW	Tunnel	1903	1:10560
T	637m NW	Tunnel	1891	1:10560
V	642m NW	Tunnel	1951	1:10560
V	642m NW	Tunnel	1983	1:10000
V	642m NW	Tunnel	1967	1:10560
20	780m NW	Unspecified Old Shaft	1903	1:10560
-	892m SE	Old Coal Pit	1904	1:10560

This is data is sourced from Ordnance Survey/Groundsure.

18.4 Underground mining extents

Records within 500m	0

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

This data is sourced from Groundsure.

18.5 Historical Mineral Planning Areas

Records within 500m	3

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

Features are displayed on the Mining and ground workings map on **page 105 >**

ID	Location	Site Name	Mineral	Type	Planning Status	Planning Status Date
3	195m NE	Lower Cumberworth	Fireclay	Working is wholly underground	Valid	Not available
6	305m W	Bromleys	Clay, fireclay	Working is wholly underground	Valid	Not available
11	454m NW	Bromleys East of Railway	Clay, fireclay	Working is wholly underground	Valid	Not available

This data is sourced from the British Geological Survey.

18.6 Non-coal mining

Records within 1000m	1

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 105 >**

ID	Location	Name	Commodity	Class	Likelihood
15	572m W	Bromleys	Fireclay	D	Underground mining is considered likely to have occurred within or close to the area. The location, extent and nature of mining should be considered in any site investigation. Potential for difficult ground conditions should be considered.

This data is sourced from the British Geological Survey.

18.7 JPB mining areas

Records on site	0

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

This data is sourced from Johnson Poole and Bloomer.

18.8 The Coal Authority non-coal mining

Records within 500m	0

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

This data is sourced from The Coal Authority.

18.9 Researched mining

Records within 500m	7

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

Location	Mineral type
236m NE	Stone
324m NE	Stone
338m NE	Stone
384m N	Stone
415m N	Stone
449m N	Stone
460m NW	Stone

This data is sourced from Groundsure.

18.10 Mining record office plans

Records within 500m	1

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.

Location	Mineral
112m N	Fireclay

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.

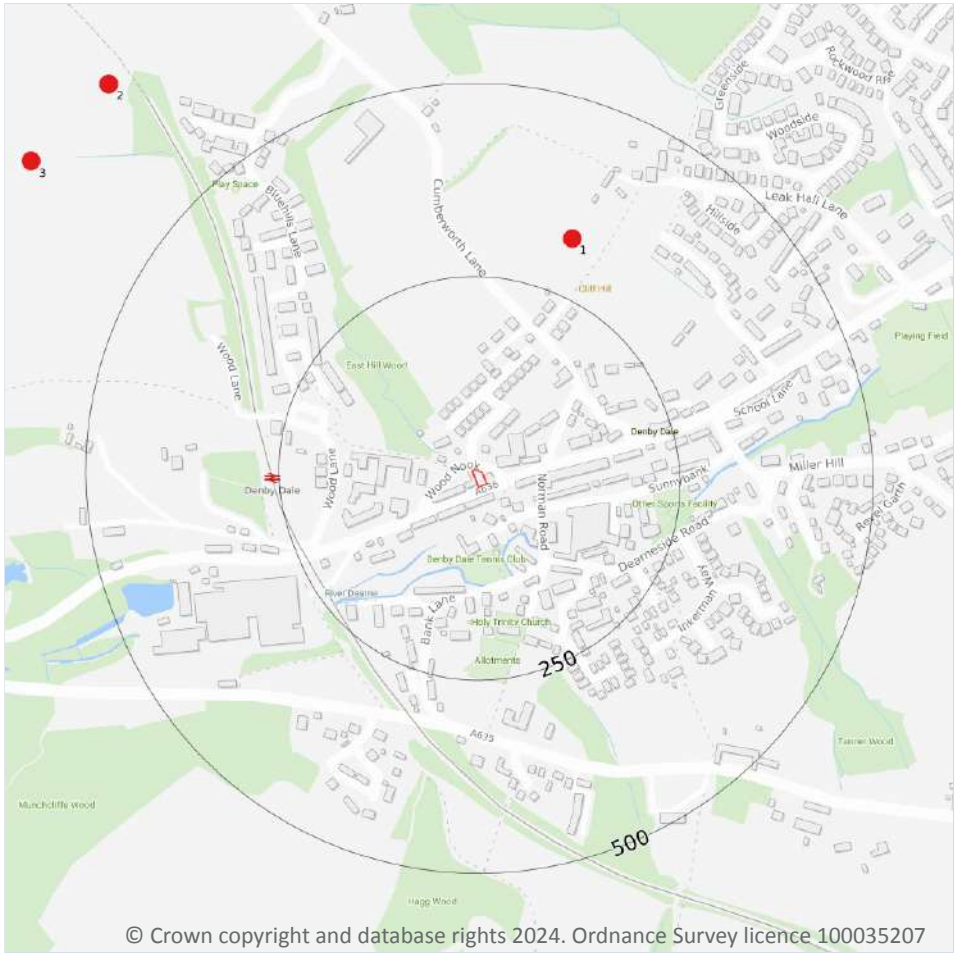
18.16 Clay mining

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



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Site Outline

Search buffers in metres (m)

- Natural cavities (Area)
- Natural cavities (Point)
- Mining cavities
- Reported recent incidents
- Historical incidents
- BGS karst database (Point)
- BGS karst database (Line)
- BGS karst database (Area)

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	3

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

Features are displayed on the Ground cavities and sinkholes map on **page 112 >**

ID	Location	Mine Address	Mineral	Data source	Publisher
1	325m N	Baml Royd, West Yorkshire	Fireclay	LISTING OF NEW MINERAL RECORDS OFFICE CATALOGUE.	UNPUBLISHED/DRAFT
2	687m NW	Holly Mine, West Yorkshire	Fireclay	LISTING OF NEW MINERAL RECORDS OFFICE CATALOGUE.	UNPUBLISHED/DRAFT
3	697m NW	Bromley, West Yorkshire	Fireclay	MINERIAL PLANNING RIGHTS APPLICATION RECORDS.	UNPUBLISHED

This data is sourced from Stantec UK Ltd.

19.3 Reported recent incidents

Records within 500m	0

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

This data is sourced from Groundsure.

19.4 Historical incidents

Records within 500m	0

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

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

This data is sourced from Groundsure.

19.5 National karst database

Records within 500m	0

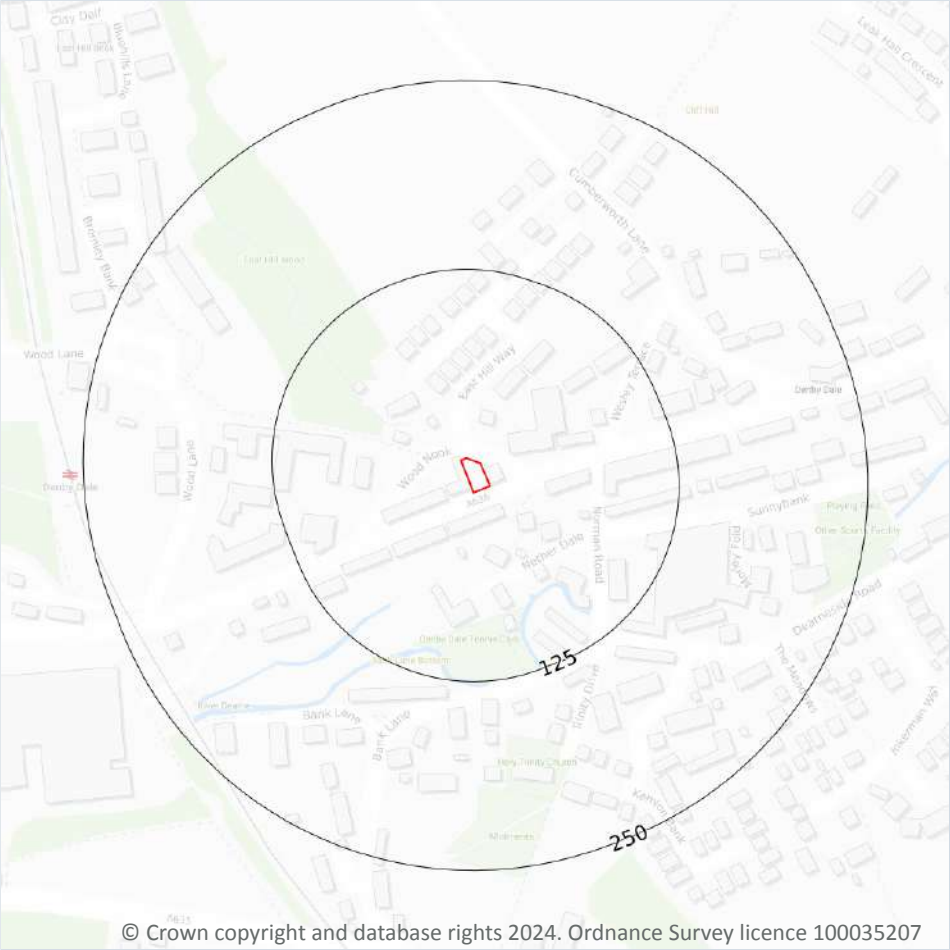
This is a comprehensive database of national karst information gathered from a wide range of sources. BGS have collected data on five main types of karst feature: Sinkholes, stream links, caves, springs, and incidences of associated damage to buildings, roads, bridges and other engineered works.

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

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

This data is sourced from the British Geological Survey.

20 Radon



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Site Outline

Search buffers in metres (m)

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

20.1 Radon

Records on site	1

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

Features are displayed on the Radon map on **page 115 >**

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

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

21 Soil chemistry

21.1 BGS Estimated Background Soil Chemistry

Records within 50m	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 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**

This data is sourced from the British Geological Survey.

21.2 BGS Estimated Urban Soil Chemistry

Records within 50m	0

Estimated topsoil chemistry of Arsenic, Cadmium, Chromium, Copper, Nickel, Lead, Tin and Zinc and bioaccessible Arsenic and Lead in 23 urban centres across Great Britain. These estimates are derived from interpolation of the measured urban topsoil data referred to above and provide information across each city between the measured sample locations (4 per km^2).

This data is sourced from the British Geological Survey.

21.3 BGS Measured Urban Soil Chemistry

Records within 50m	0

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

This data is sourced from the British Geological Survey.

22 Railway infrastructure and projects

Site Outline

Search buffers in metres (m)

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

22.1 Underground railways (London)

Records within 250m	0

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

This data is sourced from publicly available information by Groundsure.

22.2 Underground railways (Non-London)

Records within 250m	0

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

This data is sourced from publicly available information by Groundsure.

22.3 Railway tunnels

Records within 250m	0

Railway tunnels taken from contemporary Ordnance Survey mapping.

This data is sourced from the Ordnance Survey.

22.4 Historical railway and tunnel features

Records within 250m	8

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

Features are displayed on the Railway infrastructure and projects map on **page 118 >**

Location	Land Use	Year of mapping	Mapping scale
207m W	Railway Sidings	1967	10560
218m W	Railway Sidings	1891	10560
231m W	Railway Sidings	1951	10560
231m SW	Railway Sidings	1960	2500
234m W	Railway Sidings	1903	10560
235m SW	Railway Sidings	1891	2500
238m W	Railway Sidings	1933	10560
239m W	Railway Sidings	1948	10560

This data is sourced from Ordnance Survey/Groundsure.

22.5 Royal Mail tunnels

Records within 250m	0

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

This data is sourced from Groundsure/the Postal Museum.

22.6 Historical railways

Records within 250m	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	3

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 118 >**

Location	Name	Type
237m SW	Not given	Single Track
239m SW	Penistone Line	rail
246m W	Not given	Single Track

This data is sourced from Ordnance Survey and OpenStreetMap.

22.8 Crossrail 1

Records within 500m	0

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

This data is sourced from publicly available information by Groundsure.

22.9 Crossrail 2

Records within 500m	0

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

This data is sourced from publicly available information by Groundsure.

22.10 HS2

Records within 500m	0

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

This data is sourced from HS2 ltd.

Data providers

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

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