111 >	18.6 >	Non-coal mining >	0	0	1	0	6
112	18.7	JPB mining areas	None (within 0m)				
112 >	18.8 >	The Coal Authority non-coal mining >	0	0	2	2	-
112 >	18.9 >	Researched mining >	0	0	4	24	-
114 >	18.10 >	Mining record office plans >	0	0	0	1	-
114	18.11	BGS mine plans	0	0	0	0	-
114 >	18.12 >	Coal mining >	Identified (within 0m)				
114	18.13	Brine areas	None (within 0m)				
115	18.14	Gypsum areas	None (within 0m)				
115	18.15	Tin mining	None (within 0m)				
115	18.16	Clay mining	None (within 0m)				
Page	Section	Ground cavities and sinkholes	On site	0-50m	50-250m	250-500m	500-2000m
116	19.1	Natural cavities	0	0	0	0	-
116	19.2	Mining cavities	0	0	0	0	0
116	19.3	Reported recent incidents	0	0	0	0	-
116	19.4	Historical incidents	0	0	0	0	-
117	19.5	National karst database	0	0	0	0	-
Page	Section	Radon >					
118 >	20.1 >	Radon >	Between 1% and 3% (within 0m)				
Page	Section	Soil chemistry >	On site	0-50m	50-250m	250-500m	500-2000m
120 >	21.1 >	BGS Estimated Background Soil Chemistry >	1	3	-	-	-
120	21.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
121	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
122	22.1	Underground railways (London)	0	0	0	-	-
122	22.2	Underground railways (Non-London)	0	0	0	-	-
123	22.3	Railway tunnels	0	0	0	-	-
123 >	22.4 >	Historical railway and tunnel features >	0	0	4	-	-
123	22.5	Royal Mail tunnels	0	0	0	-	-

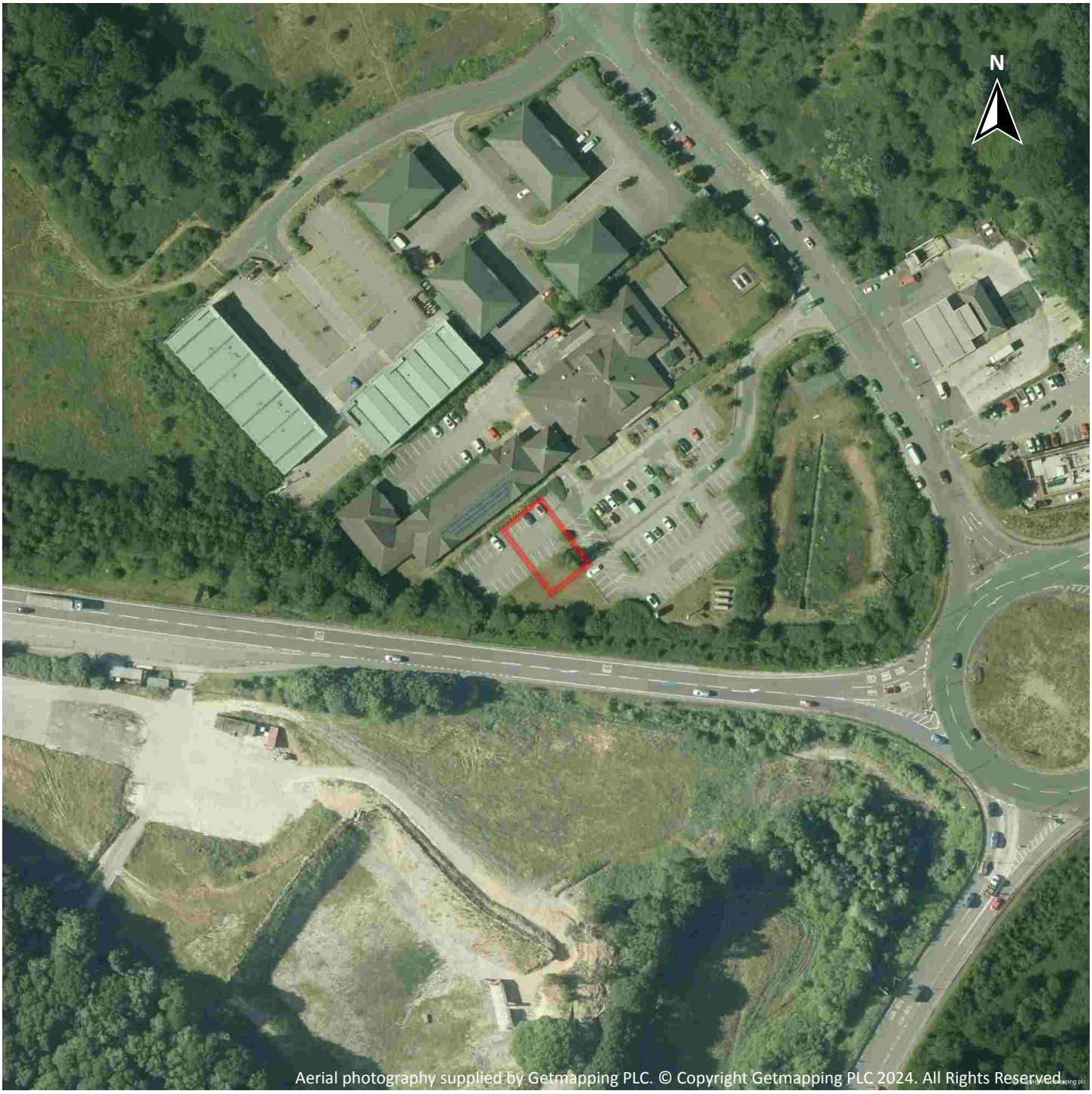
124 >	22.6 >	Historical railways >	0	0	1	-	-
124	22.7	Railways	0	0	0	-	-
124	22.8	Crossrail 1	0	0	0	0	-
124	22.9	Crossrail 2	0	0	0	0	-
124	22.10	HS2	0	0	0	0	-

Recent aerial photograph

Capture Date: 19/04/2021

Site Area: 0.04ha

Recent site history - 2018 aerial photograph



Capture Date: 27/06/2018

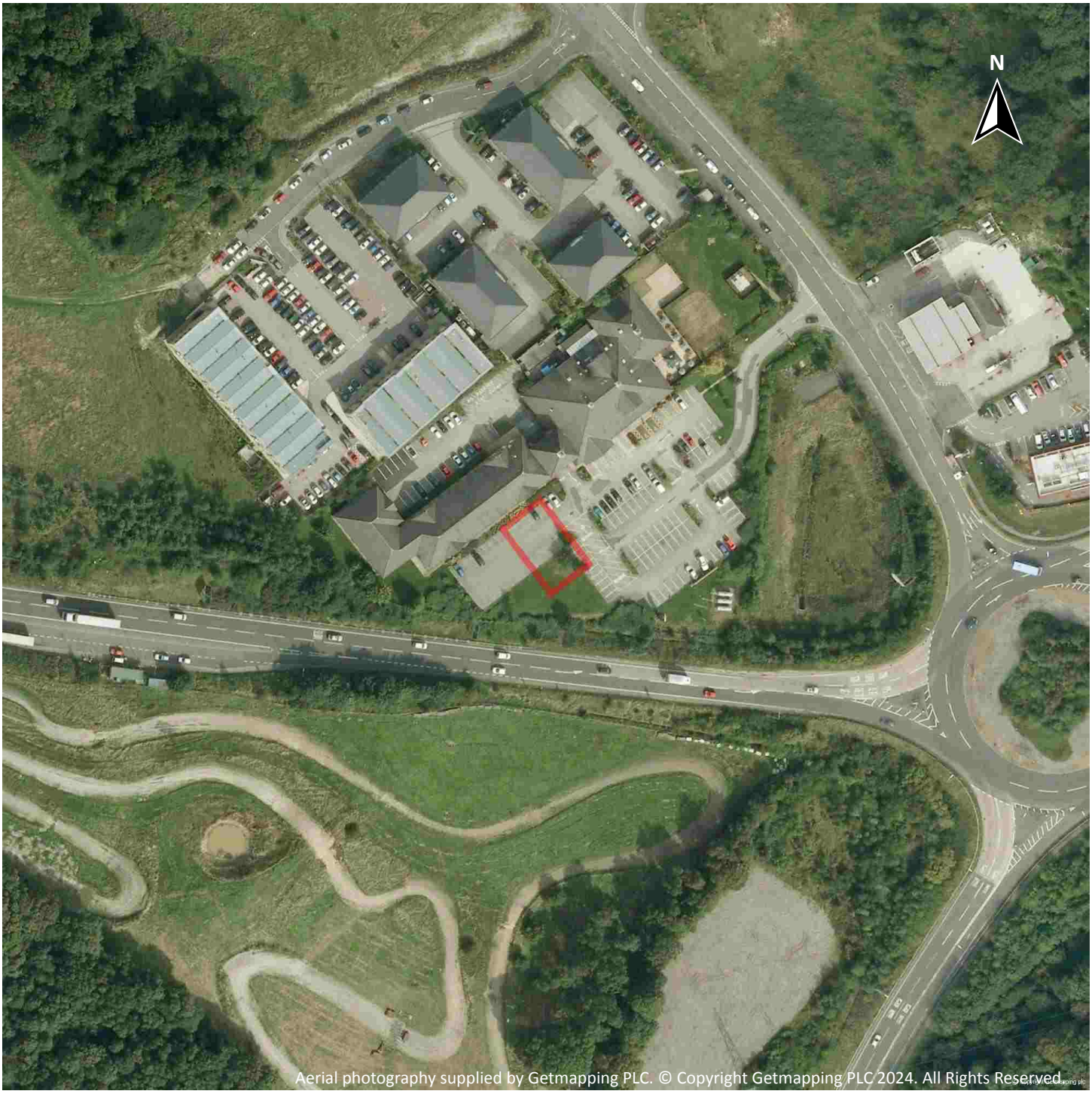
Site Area: 0.04ha

Recent site history - 2012 aerial photograph

Capture Date: 28/05/2012

Site Area: 0.04ha

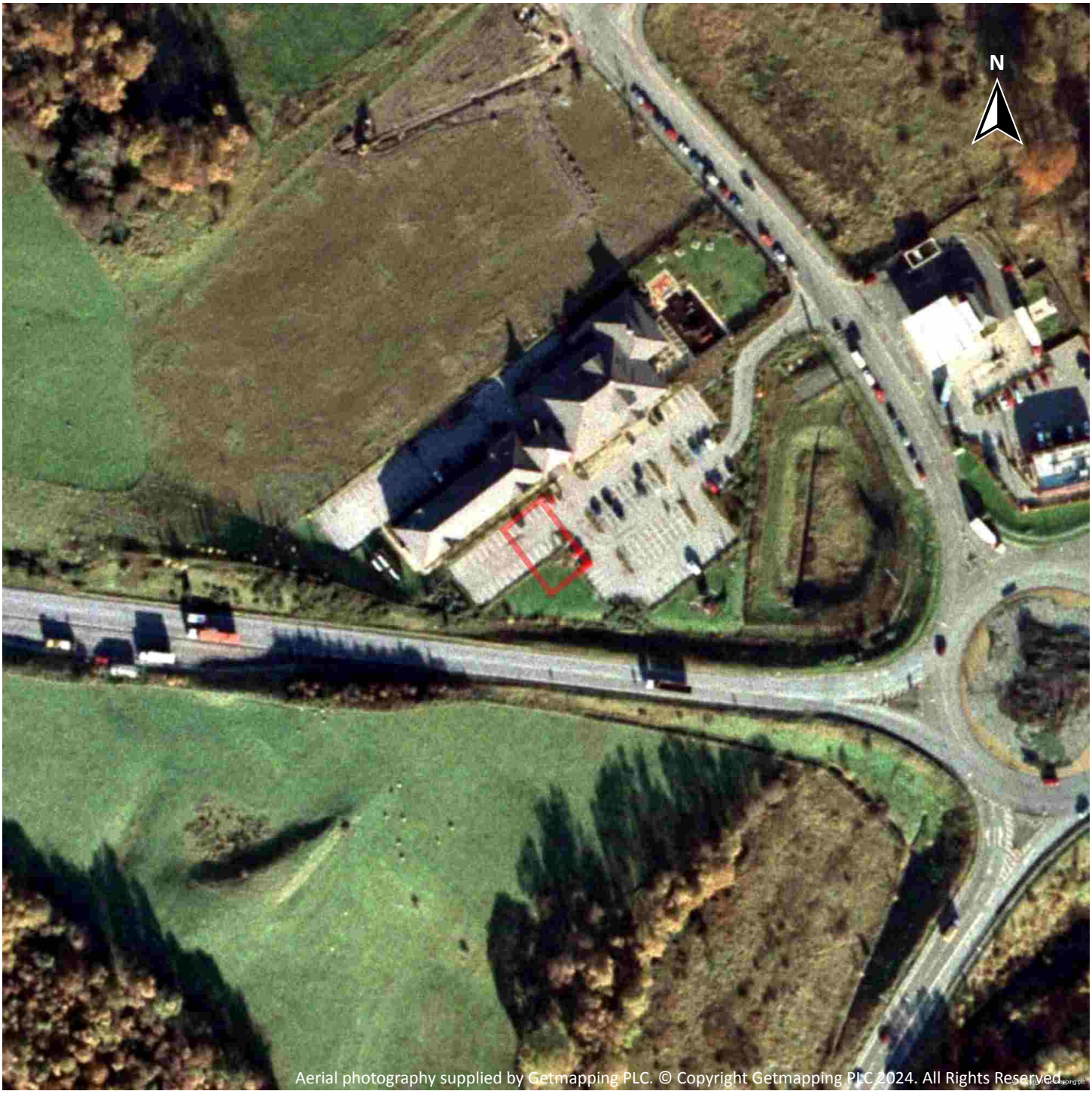
Recent site history - 2009 aerial photograph



Capture Date: 11/09/2009

Site Area: 0.04ha

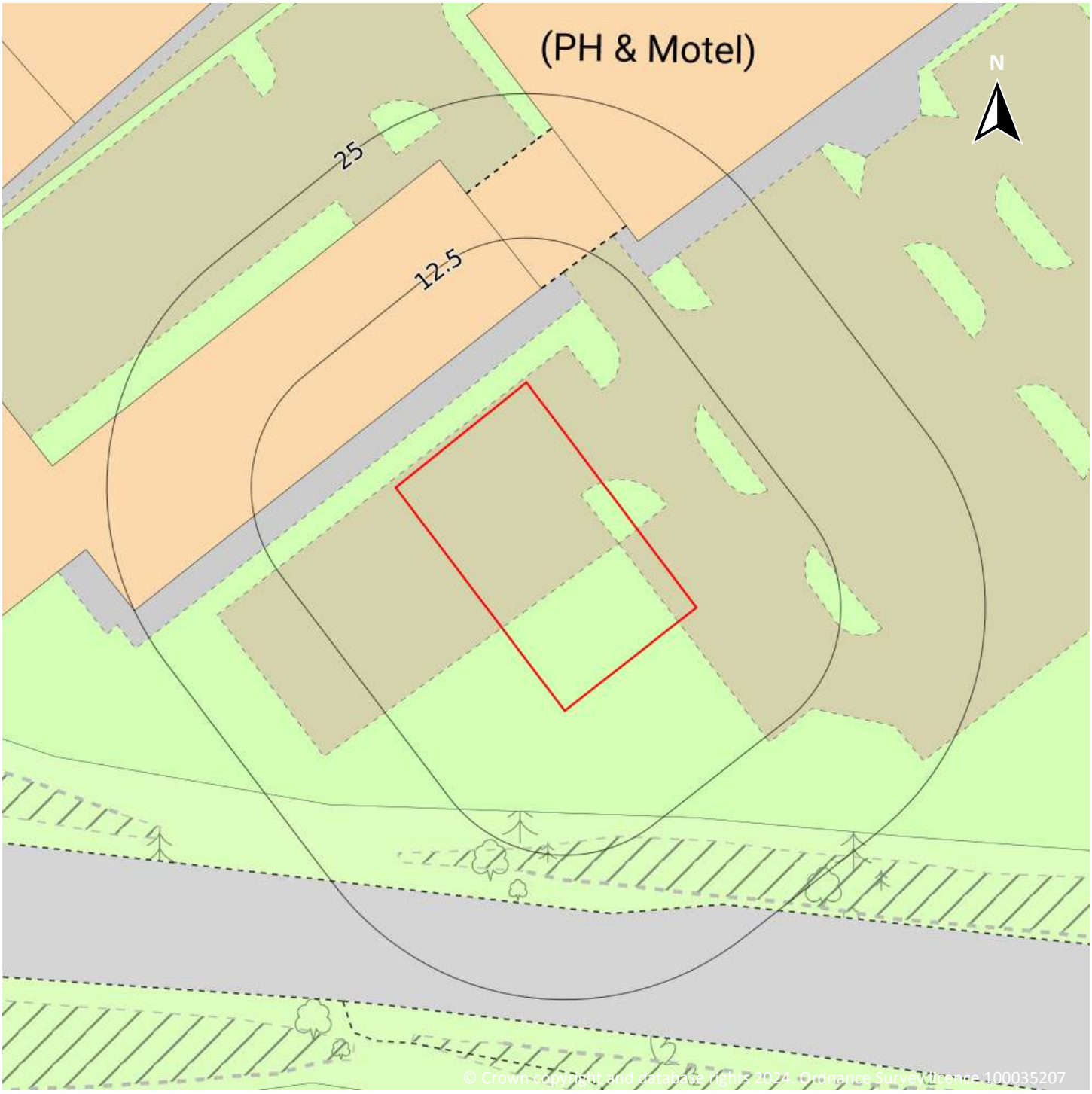
Recent site history - 1999 aerial photograph



Capture Date: 10/07/1999

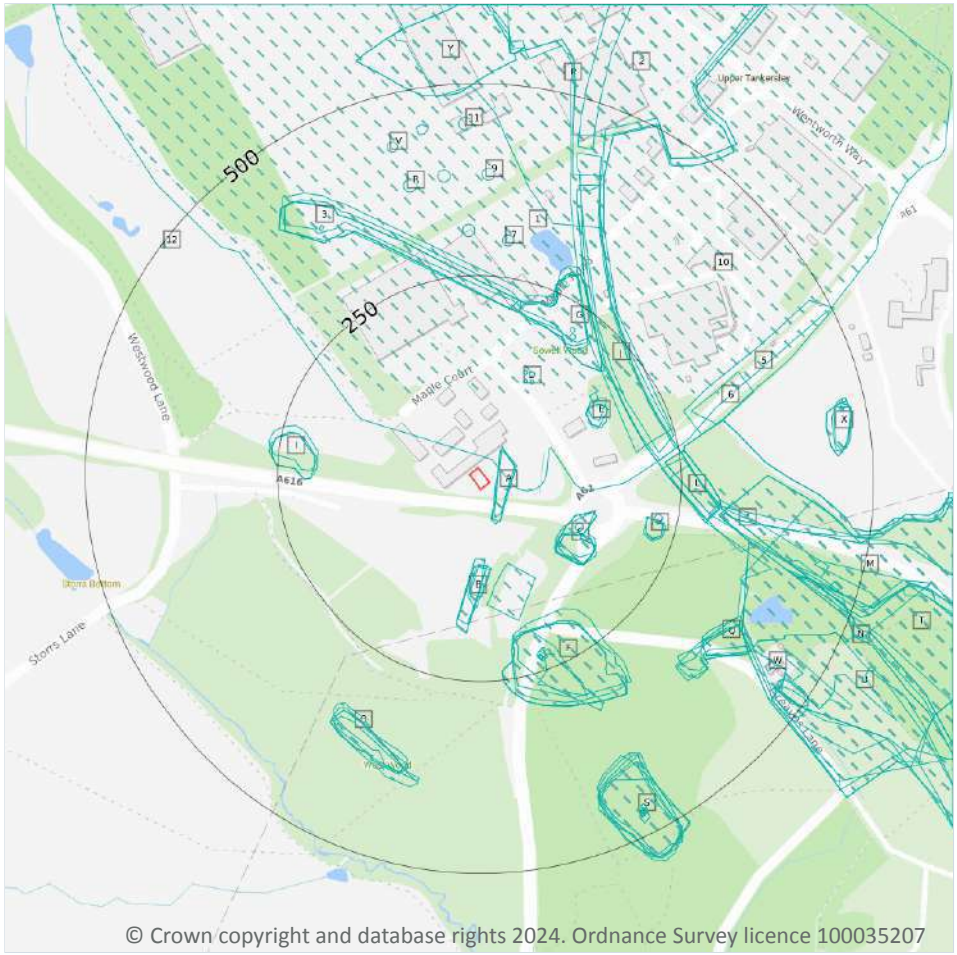
Site Area: 0.04ha

OS MasterMap site plan



Site Area: 0.04ha

1 Past land use



Site Outline

Search buffers in metres (m)

Historical industrial land uses

Historical tanks

1.1 Historical industrial land uses

Records within 500m	137

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	8m E	Unspecified Heap	1938	1619324

ID	Location	Land use	Dates present	Group ID
A	10m E	Unspecified Heap	1948	1710589
A	10m E	Unspecified Heap	1951	1700293
1	15m N	Industrial Park	1992	2367015
B	91m S	Unspecified Heap	1951	1569070
B	97m S	Unspecified Pit	1980 - 1992	1743308
B	99m S	Unspecified Pit	1938 - 1948	1652947
B	99m S	Unspecified Pit	1903	1655895
B	100m S	Unspecified Pit	1966	1679001
B	102m S	Cuttings	1966 - 1980	1624482
C	112m SE	Unspecified Heap	1951	1696022
C	115m SE	Unspecified Heap	1948	1633094
C	115m SE	Unspecified Heap	1891	1674527
C	115m SE	Unspecified Heap	1938	1699292
C	115m SE	Unspecified Heap	1903	1709345
C	119m SE	Unspecified Heap	1980	1673757
C	119m SE	Unspecified Heap	1966	1692085
C	125m SE	Disused Air Shaft	1966 - 1980	1715223
D	127m NE	Unspecified Old Shafts	1938	1620882
D	127m NE	Unspecified Old Shafts	1903	1684436
D	129m NE	Unspecified Old Shafts	1903	1559415
D	129m NE	Unspecified Old Shaft	1938	1571530
D	136m NE	Unspecified Old Shafts	1951	1559416
D	137m NE	Unspecified Old Shafts	1951	1559418
E	151m NE	Unspecified Heap	1948	1743159
E	153m NE	Unspecified Heap	1903	1614775
E	153m NE	Unspecified Heap	1938	1674814
E	158m NE	Unspecified Heap	1951	1703375
E	169m NE	Disused Air Shaft	1966 - 1980	1657786

ID	Location	Land use	Dates present	Group ID
F	185m S	Refuse Heap	1951	1715553
G	191m NE	Refuse Heap	1938	1626490
G	191m NE	Refuse Heap	1903	1655063
G	191m NE	Refuse Heap	1891	1725265
2	191m E	Railway Sidings	1903 - 1966	2367817
F	194m S	Refuse Heap	1948	1737219
H	194m NE	Refuse Heap	1948	1624374
F	195m S	Refuse Heap	1891	1618379
F	195m S	Refuse Heap	1938	1642194
F	195m S	Refuse Heap	1903	1665925
F	196m S	Refuse Heap	1966 - 1980	1664004
H	198m NE	Unspecified Heap	1966 - 1980	1670113
I	199m W	Refuse Heap	1938 - 1948	1640376
I	199m W	Refuse Heap	1951	1702495
J	201m NE	Cuttings	1903	1629088
J	201m NE	Cuttings	1938 - 1948	1726977
I	202m W	Refuse Heap	1903	1644042
I	202m W	Refuse Heap	1891	1664113
J	202m NE	Cuttings	1891	1748464
G	205m NE	Refuse Heap	1951	1735136
H	206m NE	Unspecified Old Shaft	1948	1626748
J	207m NE	Cuttings	1951	1716250
K	210m E	Old Ironstone Pit	1903	1613042
K	210m E	Unspecified Heap	1938	1653863
K	210m E	Unspecified Heap	1891	1730695
3	210m N	Unspecified Heap	1948	1644813
K	211m E	Unspecified Ground Workings	1948	1728210
H	215m NE	Unspecified Old Shafts	1951	1559417

ID	Location	Land use	Dates present	Group ID
K	219m E	Unspecified Pit	1951	1609894
F	221m S	Unspecified Old Shaft	1951	1571531
F	222m S	Unspecified Disused Shaft	1966 - 1980	1695924
L	225m E	Cuttings	1891	1670224
F	228m S	Unspecified Old Shaft	1903	1687751
F	228m S	Unspecified Old Shaft	1938 - 1948	1736831
4	230m E	Railway Sidings	1951	1646928
L	230m E	Cuttings	1951	1710425
F	231m S	Unspecified Heap	1992	1569071
M	236m E	Railway Sidings	1938 - 1948	1680231
M	256m E	Unspecified Commercial/Industrial	1966	1562835
M	256m E	Colliery	1951	1685577
5	269m E	Cuttings	1951	1655140
6	278m E	Cuttings	1966 - 1992	1628586
N	287m E	Colliery	1938	1684620
7	291m N	Unspecified Pit	1891	1609896
G	301m N	Unspecified Pit	1891	1609888
N	302m E	Colliery	1903	1634176
N	302m E	Colliery	1891	1649499
M	306m E	Railway Sidings	1891	1686386
M	306m E	Railway Sidings	1903	1712832
O	329m SW	Unspecified Quarry	1951 - 1992	1682604
P	332m N	Colliery	1891 - 1966	2366857
Q	333m SE	Refuse Heap	1951	1748324
O	334m SW	Unspecified Quarry	1948	1695187
O	338m SW	Unspecified Quarry	1938	1654092
O	338m SW	Unspecified Quarry	1903	1721258
Q	340m SE	Refuse Heap	1938	1723626

ID	Location	Land use	Dates present	Group ID
Q	342m SE	Refuse Heaps	1948	1739615
O	345m SW	Unspecified Quarry	1891	1705782
N	349m E	Colliery	1948	1690473
Q	351m SE	Refuse Heap	1891	1682594
Q	351m SE	Refuse Heap	1903	1676977
8	369m NW	Unspecified Old Shaft	1903	1571529
R	369m N	Unspecified Pit	1891	1609893
9	374m N	Unspecified Pit	1891	1609895
R	374m N	Unspecified Pit	1891	1609892
S	392m SE	Refuse Heap	1938	1746901
S	394m SE	Refuse Heap	1951	1699252
S	399m SE	Refuse Heap	1948	1722074
P	401m N	Unspecified Commercial/Industrial	1951	2367060
S	401m SE	Refuse Heap	1903	1662514
T	402m E	Refuse Heap	1951	1649679
T	405m E	Refuse Heap	1948	1742915
U	405m SE	Railway Sidings	1938 - 1948	1623948
U	405m SE	Railway Sidings	1903	1707899
S	408m SE	Refuse Heap	1891	1681565
S	415m SE	Unspecified Heap	1966 - 1992	1673868
T	415m E	Refuse Heap	1891	1659942
T	415m E	Refuse Heap	1938	1712317
V	425m N	Unspecified Pit	1891	1609889
W	431m SE	Coke Ovens	1903	1603442
P	438m N	Railway Sidings	1891	1662697
11	440m N	Unspecified Pit	1891	1609891
V	440m N	Unspecified Pit	1891	1609890
X	444m E	Refuse Heap	1938	1712273

ID	Location	Land use	Dates present	Group ID
X	444m E	Refuse Heap	1903	1725884
W	448m SE	Ovens	1891	1587087
P	450m N	Unspecified Commercial/Industrial	1948	1682974
X	452m E	Unspecified Heap	1948 - 1966	1702153
X	453m E	Unspecified Disused Tip	1992	1573694
W	456m SE	Coke Ovens	1903	1603441
W	457m SE	Unspecified Heap	1951	1637464
W	459m SE	Unspecified Heap	1948	1647414
U	460m SE	Railway Sidings	1891	1635858
S	461m SE	Unspecified Old Shaft	1951	1571532
U	463m SE	Refuse Heap	1903	1668641
M	463m E	Disused Air Shaft	1966	1600121
S	466m SE	Unspecified Disused Shaft	1980 - 1992	1741542
X	466m E	Unspecified Shaft	1903	1706856
X	466m E	Unspecified Shaft	1938 - 1948	1726312
S	467m SE	Unspecified Old Shaft	1938	1635659
S	468m SE	Unspecified Old Shaft	1948	1711927
X	468m E	Unspecified Disused Shaft	1966 - 1992	1674616
S	470m SE	Unspecified Disused Shaft	1966	1668679
S	470m SE	Unspecified Old Shaft	1903	1714928
X	471m E	Unspecified Shaft	1951	1579079
Y	487m N	Hospital	1891	1602942
Y	487m N	Infectious Diseases Hospital	1903	1603506
12	495m NW	Unspecified Shaft	1903	1579080

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m	1

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
10	401m NE	Unspecified Tank	1963	253887

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m	0

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'.

This data is sourced from Ordnance Survey / Groundsure.

1.4 Historical petrol stations

Records within 500m	0

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

This data is sourced from Ordnance Survey / Groundsure.

1.5 Historical garages

Records within 500m	0

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

This data is sourced from Ordnance Survey / Groundsure.

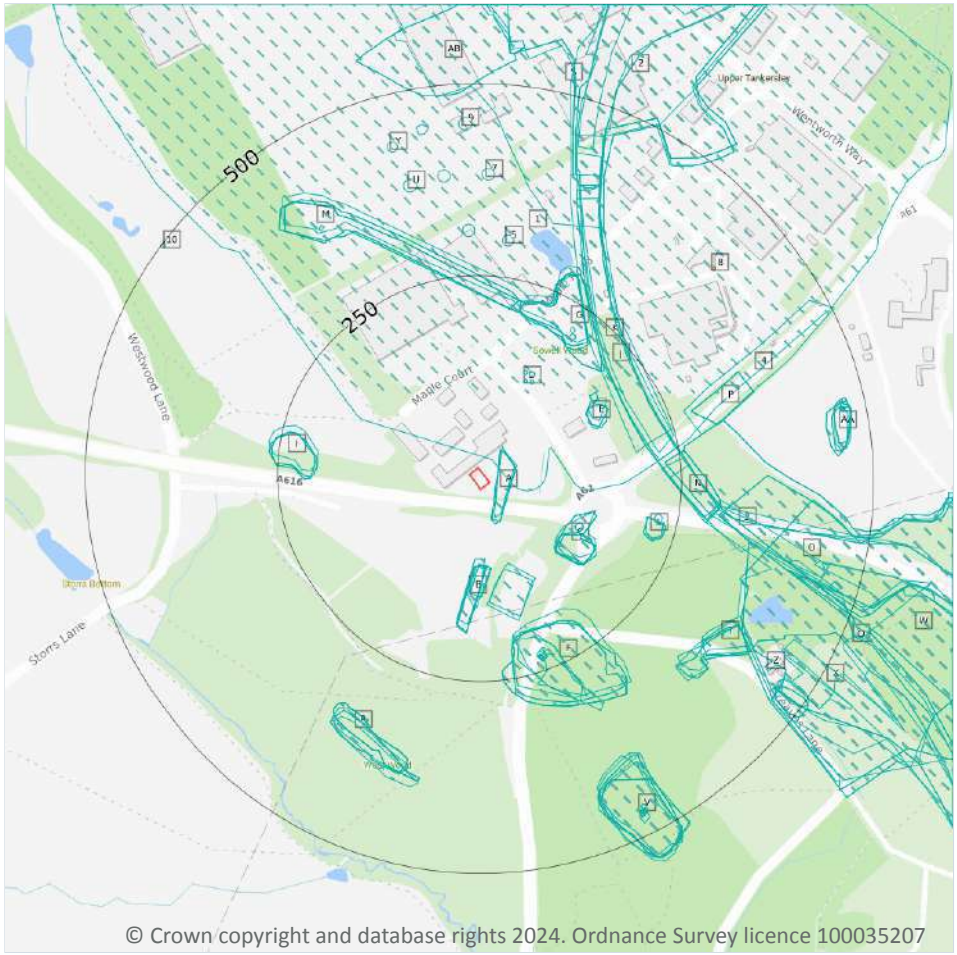
1.6 Historical military land

Records within 500m	0

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

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

2 Past land use - un-grouped



Site Outline

Search buffers in metres (m)

Historical industrial land uses

Historical tanks

2.1 Historical industrial land uses

Records within 500m	187

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	8m E	Unspecified Heap	1938	1619324
A	10m E	Unspecified Heap	1948	1710589
A	10m E	Unspecified Heap	1948	1710589

ID	Location	Land Use	Date	Group ID
A	10m E	Unspecified Heap	1951	1700293
1	15m N	Industrial Park	1992	2367015
B	91m S	Unspecified Heap	1951	1569070
B	97m S	Unspecified Pit	1992	1743308
B	97m S	Unspecified Pit	1980	1743308
B	99m S	Unspecified Pit	1938	1652947
B	99m S	Unspecified Pit	1903	1655895
B	100m S	Unspecified Pit	1948	1652947
B	100m S	Unspecified Pit	1948	1652947
B	100m S	Unspecified Pit	1966	1679001
B	102m S	Cuttings	1980	1624482
B	107m S	Cuttings	1966	1624482
C	112m SE	Unspecified Heap	1951	1696022
C	115m SE	Unspecified Heap	1948	1633094
C	115m SE	Unspecified Heap	1948	1633094
C	115m SE	Unspecified Heap	1938	1699292
C	115m SE	Unspecified Heap	1903	1709345
C	115m SE	Unspecified Heap	1891	1674527
C	119m SE	Unspecified Heap	1966	1692085
C	119m SE	Unspecified Heap	1980	1673757
C	125m SE	Disused Air Shaft	1966	1715223
C	125m SE	Disused Air Shaft	1980	1715223
D	127m NE	Unspecified Old Shafts	1938	1620882
D	127m NE	Unspecified Old Shafts	1903	1684436
D	129m NE	Unspecified Old Shaft	1938	1571530
D	129m NE	Unspecified Old Shafts	1903	1559415
D	136m NE	Unspecified Old Shafts	1951	1559416
D	137m NE	Unspecified Old Shafts	1951	1559418

ID	Location	Land Use	Date	Group ID
E	151m NE	Unspecified Heap	1948	1743159
E	151m NE	Unspecified Heap	1948	1743159
E	153m NE	Unspecified Heap	1938	1674814
E	153m NE	Unspecified Heap	1903	1614775
E	158m NE	Unspecified Heap	1951	1703375
E	169m NE	Disused Air Shaft	1966	1657786
E	169m NE	Disused Air Shaft	1980	1657786
F	185m S	Refuse Heap	1951	1715553
G	191m NE	Refuse Heap	1938	1626490
G	191m NE	Refuse Heap	1903	1655063
G	191m NE	Refuse Heap	1891	1725265
2	191m E	Railway Sidings	1966	2367817
F	194m S	Refuse Heap	1948	1737219
F	194m S	Refuse Heap	1948	1737219
H	194m NE	Refuse Heap	1948	1624374
H	194m NE	Refuse Heap	1948	1624374
F	195m S	Refuse Heap	1938	1642194
F	195m S	Refuse Heap	1903	1665925
F	195m S	Refuse Heap	1891	1618379
F	196m S	Refuse Heap	1966	1664004
H	198m NE	Unspecified Heap	1966	1670113
H	198m NE	Unspecified Heap	1980	1670113
I	199m W	Refuse Heap	1948	1640376
I	199m W	Refuse Heap	1948	1640376
I	199m W	Refuse Heap	1951	1702495
J	201m NE	Cuttings	1938	1726977
J	201m NE	Cuttings	1903	1629088
F	202m S	Refuse Heap	1980	1664004

ID	Location	Land Use	Date	Group ID
I	202m W	Refuse Heap	1938	1640376
I	202m W	Refuse Heap	1903	1644042
I	202m W	Refuse Heap	1891	1664113
K	202m NE	Cuttings	1891	1748464
J	202m NE	Cuttings	1948	1726977
G	205m NE	Refuse Heap	1951	1735136
H	206m NE	Unspecified Old Shaft	1948	1626748
H	206m NE	Unspecified Old Shaft	1948	1626748
K	207m NE	Cuttings	1951	1716250
L	210m E	Old Ironstone Pit	1903	1613042
L	210m E	Unspecified Heap	1938	1653863
L	210m E	Unspecified Heap	1891	1730695
M	210m N	Unspecified Heap	1948	1644813
M	210m N	Unspecified Heap	1948	1644813
L	211m E	Unspecified Ground Workings	1948	1728210
L	211m E	Unspecified Ground Workings	1948	1728210
H	215m NE	Unspecified Old Shafts	1951	1559417
L	219m E	Unspecified Pit	1951	1609894
F	221m S	Unspecified Old Shaft	1951	1571531
F	222m S	Unspecified Disused Shaft	1966	1695924
N	225m E	Cuttings	1891	1670224
F	227m S	Unspecified Disused Shaft	1980	1695924
F	228m S	Unspecified Old Shaft	1938	1736831
F	228m S	Unspecified Old Shaft	1903	1687751
F	230m S	Unspecified Old Shaft	1948	1736831
F	230m S	Unspecified Old Shaft	1948	1736831
3	230m E	Railway Sidings	1951	1646928
N	230m E	Cuttings	1951	1710425

ID	Location	Land Use	Date	Group ID
F	231m S	Unspecified Heap	1992	1569071
O	236m E	Railway Sidings	1948	1680231
O	256m E	Unspecified Commercial/Industrial	1966	1562835
O	256m E	Colliery	1951	1685577
4	269m E	Cuttings	1951	1655140
P	278m E	Cuttings	1966	1628586
P	278m E	Cuttings	1992	1628586
P	278m E	Cuttings	1980	1628586
Q	287m E	Colliery	1938	1684620
5	291m N	Unspecified Pit	1891	1609896
O	296m E	Railway Sidings	1938	1680231
G	301m N	Unspecified Pit	1891	1609888
Q	302m E	Colliery	1903	1634176
Q	302m E	Colliery	1891	1649499
O	306m E	Railway Sidings	1903	1712832
O	306m E	Railway Sidings	1891	1686386
R	329m SW	Unspecified Quarry	1966	1682604
R	329m SW	Unspecified Quarry	1951	1682604
R	329m SW	Unspecified Quarry	1992	1682604
R	329m SW	Unspecified Quarry	1980	1682604
S	332m N	Colliery	1966	2366857
T	333m SE	Refuse Heap	1951	1748324
R	334m SW	Unspecified Quarry	1948	1695187
R	338m SW	Unspecified Quarry	1938	1654092
R	338m SW	Unspecified Quarry	1903	1721258
T	340m SE	Refuse Heap	1938	1723626
T	342m SE	Refuse Heaps	1948	1739615
T	342m SE	Refuse Heaps	1948	1739615

ID	Location	Land Use	Date	Group ID
R	345m SW	Unspecified Quarry	1891	1705782
Q	349m E	Colliery	1948	1690473
Q	349m E	Colliery	1948	1690473
T	351m SE	Refuse Heap	1903	1676977
T	351m SE	Refuse Heap	1891	1682594
6	369m NW	Unspecified Old Shaft	1903	1571529
U	369m N	Unspecified Pit	1891	1609893
S	373m N	Railway Sidings	1948	2367817
7	374m N	Unspecified Pit	1891	1609895
U	374m N	Unspecified Pit	1891	1609892
S	390m N	Railway Sidings	1938	2367817
S	390m N	Railway Sidings	1903	2367817
V	392m SE	Refuse Heap	1938	1746901
V	394m SE	Refuse Heap	1951	1699252
V	399m SE	Refuse Heap	1948	1722074
V	399m SE	Refuse Heap	1948	1722074
S	401m N	Railway Sidings	1966	2367817
S	401m N	Unspecified Commercial/Industrial	1951	2367060
S	401m N	Railway Sidings	1951	2367817
V	401m SE	Refuse Heap	1903	1662514
W	402m E	Refuse Heap	1951	1649679
W	405m E	Refuse Heap	1948	1742915
W	405m E	Refuse Heap	1948	1742915
X	405m SE	Railway Sidings	1938	1623948
X	405m SE	Railway Sidings	1903	1707899
V	408m SE	Refuse Heap	1891	1681565
V	415m SE	Unspecified Heap	1966	1673868
V	415m SE	Unspecified Heap	1992	1673868

ID	Location	Land Use	Date	Group ID
V	415m SE	Unspecified Heap	1980	1673868
W	415m E	Refuse Heap	1938	1712317
W	415m E	Refuse Heap	1891	1659942
Y	425m N	Unspecified Pit	1891	1609889
Z	431m SE	Coke Ovens	1903	1603442
S	438m N	Railway Sidings	1891	1662697
X	439m SE	Railway Sidings	1948	1623948
9	440m N	Unspecified Pit	1891	1609891
Y	440m N	Unspecified Pit	1891	1609890
AA	444m E	Refuse Heap	1938	1712273
AA	444m E	Refuse Heap	1903	1725884
Z	448m SE	Ovens	1891	1587087
S	450m N	Unspecified Commercial/Industrial	1948	1682974
AA	452m E	Unspecified Heap	1948	1702153
AA	452m E	Unspecified Heap	1948	1702153
AA	453m E	Unspecified Disused Tip	1992	1573694
Z	456m SE	Coke Ovens	1903	1603441
AA	456m E	Unspecified Heap	1966	1702153
AA	456m E	Unspecified Heap	1951	1702153
Z	457m SE	Unspecified Heap	1951	1637464
Z	459m SE	Unspecified Heap	1948	1647414
Z	459m SE	Unspecified Heap	1948	1647414
X	460m SE	Railway Sidings	1891	1635858
V	461m SE	Unspecified Old Shaft	1951	1571532
X	463m SE	Refuse Heap	1903	1668641
O	463m E	Disused Air Shaft	1966	1600121
V	466m SE	Unspecified Disused Shaft	1992	1741542
V	466m SE	Unspecified Disused Shaft	1980	1741542

ID	Location	Land Use	Date	Group ID
AA	466m E	Unspecified Shaft	1938	1726312
AA	466m E	Unspecified Shaft	1903	1706856
AA	467m E	Unspecified Shaft	1948	1726312
AA	467m E	Unspecified Shaft	1948	1726312
V	467m SE	Unspecified Old Shaft	1938	1635659
V	468m SE	Unspecified Old Shaft	1948	1711927
V	468m SE	Unspecified Old Shaft	1948	1711927
AA	468m E	Unspecified Disused Shaft	1966	1674616
AA	468m E	Unspecified Disused Shaft	1992	1674616
AA	468m E	Unspecified Disused Shaft	1980	1674616
V	470m SE	Unspecified Disused Shaft	1966	1668679
V	470m SE	Unspecified Old Shaft	1903	1714928
AA	471m E	Unspecified Shaft	1951	1579079
AB	487m N	Infectious Diseases Hospital	1903	1603506
AB	487m N	Hospital	1891	1602942
10	495m NW	Unspecified Shaft	1903	1579080

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m	**1**

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
8	401m NE	Unspecified Tank	1963	253887

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m	0

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'.

This data is sourced from Ordnance Survey / Groundsure.

2.4 Historical petrol stations

Records within 500m	0

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

This data is sourced from Ordnance Survey / Groundsure.

2.5 Historical garages

Records within 500m	0

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

This data is sourced from Ordnance Survey / Groundsure.

3 Waste and landfill

Site Outline

Search buffers in metres (m)

Historical waste sites

Waste exemptions

3.1 Active or recent landfill

Records within 500m	0

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

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

3.2 Historical landfill (BGS records)

Records within 500m	0

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

This data is sourced from the British Geological Survey.

3.3 Historical landfill (LA/mapping records)

Records within 500m	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	0

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.

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

3.5 Historical waste sites

Records within 500m	1

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

Features are displayed on the Waste and landfill map on **page 32 >**

ID	Location	Address	Further Details	Date
5	463m E	Site Address: N/A	Type of Site: Ground Workings and Refuse Heap Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1956

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	4

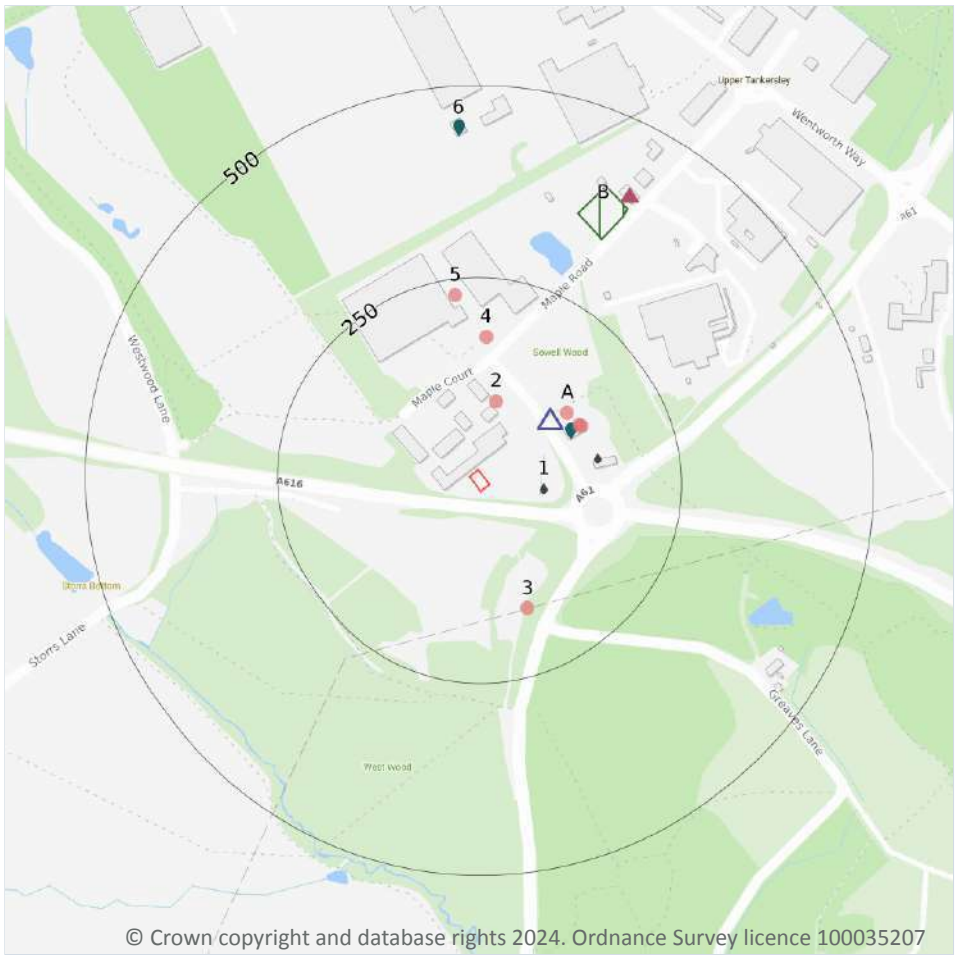
Activities involving the storage, treatment, use or disposal of waste that are exempt from needing a permit. Exemptions have specific limits and conditions that must be adhered to.

Features are displayed on the Waste and landfill map on **page 32 >**

ID	Location	Site	Reference	Category	Sub-Category	Description
1	61m SE	A616 Layby Off A616 Tankersley South Yorkshire S75 3dp	EPR/FF0405NA/A001	Using waste exemption	Non-agricultural waste only	Use of waste in construction
2	173m E	-	WEX249878	Using waste exemption	Not on a farm	Use of waste in construction
3	303m N	-	WEX394295	Disposing of waste exemption	Not on a farm	Deposit of waste from dredging of inland waters
4	411m NE	Dx Network Services Ltd, Maple Drive, Tankersley, Barnsley, S75 3dj	WEX291098	Storing waste exemption	Not on a farm	Storage of waste in a secure place

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

4 Current industrial land use



Site Outline

Search buffers in metres (m)

Recent industrial land uses

Current or recent petrol stations

Regulated explosive sites

Hazardous substance storage/usage

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

Licensed Discharges to controlled waters

4.1 Recent industrial land uses

Records within 250m	7

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on **page 35 >**

ID	Location	Company	Address	Activity	Category
2	92m N	Electricity Sub Station	South Yorkshire, S75	Electrical Features	Infrastructure and Facilities
A	137m NE	Rss Wentworth Park	Maple Road, Tankersley, Barnsley, South Yorkshire, S75 3DL	Vehicle Cleaning Services	Personal, Consumer and Other Services

ID	Location	Company	Address	Activity	Category
A	141m NE	Shell Car Wash	-, Maple Road, Tankersley, Barnsley, South Yorkshire, S75 3DL	Vehicle Cleaning Services	Personal, Consumer and Other Services
A	141m NE	Shell	Maple Road, Tankersley, Barnsley, South Yorkshire, S75 3DL	Petrol and Fuel Stations	Road and Rail
3	164m S	Pylon	South Yorkshire, S35	Electrical Features	Infrastructure and Facilities
4	174m N	Electricity Sub Station	South Yorkshire, S75	Electrical Features	Infrastructure and Facilities
5	229m N	Electricity Sub Station	South Yorkshire, S75	Electrical Features	Infrastructure and Facilities

This data is sourced from Ordnance Survey.

4.2 Current or recent petrol stations

Records within 500m	1

Open, closed, under development and obsolete petrol stations.

Features are displayed on the Current industrial land use map on **page 35 >**

ID	Location	Company	Address	LPG	Status
A	114m NE	SHELL	Maple Road, A61, Tankersley, Barnsley, South Yorkshire, S75 3DL	Yes	Open

This data is sourced from Experian.

4.3 Electricity cables

Records within 500m	0

High voltage underground electricity transmission cables.

This data is sourced from National Grid.

4.4 Gas pipelines

Records within 500m	0

High pressure underground gas transmission pipelines.

This data is sourced from National Grid.

4.5 Sites determined as Contaminated Land

Records within 500m	0

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

This data is sourced from Local Authority records.

4.6 Control of Major Accident Hazards (COMAH)

Records within 500m	0

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

This data is sourced from the Health and Safety Executive.

4.7 Regulated explosive sites

Records within 500m	1

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.

Features are displayed on the Current industrial land use map on **page 35 >**

ID	Location	Company	Operational Address
B	340m NE	Jimmy's Wholesale Fireworks Limited	Wentworth Business Park, Tankersley, Maple Road , Barnsley, S.Yorks, S75 3DL

This data is sourced from the Health and Safety Executive.

4.8 Hazardous substance storage/usage

Records within 500m	1

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.

Features are displayed on the Current industrial land use map on **page 35 >**

ID	Location	Details	
B	408m NE	Application reference number: No Details Application status: Historical Consent Application date: No Details Address: Jimmy's Wholesale Fireworks Ltd, Wentworth Business Park, Maple Road, Tankersley, Barnsley, South Yorkshire, England, S75 3DL	Details: No Details Enforcement: No Details Date of enforcement: No Details Comment: No Details

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 35 >**

ID	Location	Address	Details	
A	125m NE	A Y & Y Patel (Dewsbury) Limited, Maple Road, Tankersley, Barnsley, S75 3DL	Process: Unloading of Petrol into Storage at Service Stations Status: Current Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
6	446m N	Mercedes Benz (UK) Ltd, Wentworth Way, Tankersley, Barnsley, S75 3DH	Process: Respraying of Road Vehicles Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified

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	2

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 35 >**

ID	Location	Address	Details	
1	70m E	SPS MAPLE ROAD, WENTWORTH PARK, TANKERSLEY	Effluent Type: SEWAGE DISCHARGES - PUMPING STATION - WATER COMPANY Permit Number: WRA7300 Permit Version: 1 Receiving Water: TRIB OF BLACKBURN BROOK	Status: NEW CONSENT, BY APPLICATION (WRA 91, SECTION 88) Issue date: 05/02/1997 Effective Date: 05/02/1997 Revocation Date: -
A	144m E	DISCHARGE TO TRIB OF BLACKBURN BROO, K FROM:WENTWORTH OPENCAST COAL S, ITE.	Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: WA6402 Permit Version: 1 Receiving Water: -	Status: REVOKED - UNSPECIFIED Issue date: 19/06/1991 Effective Date: 19/06/1991 Revocation Date: 04/06/1992

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	0

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

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

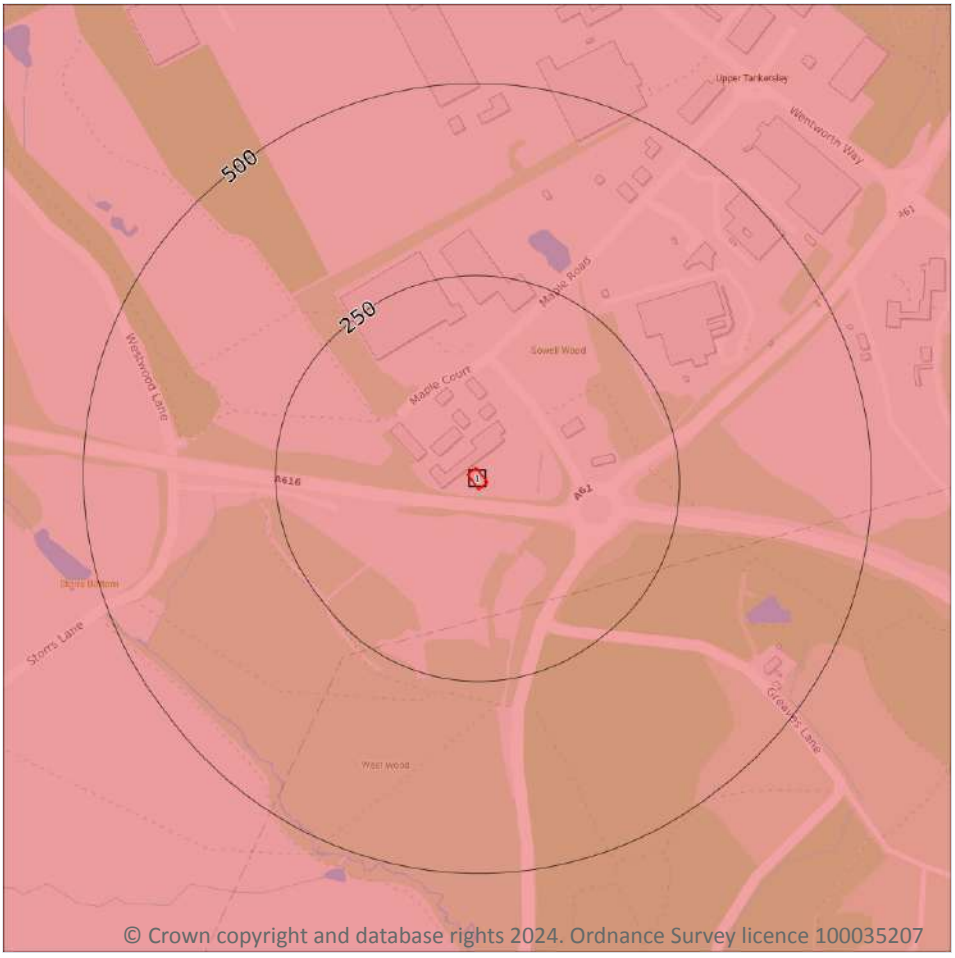
5.1 Superficial aquifer

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 43 >**

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 44 >**

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

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

5.4 Groundwater vulnerability- soluble rock risk

Records on site	**0**

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

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

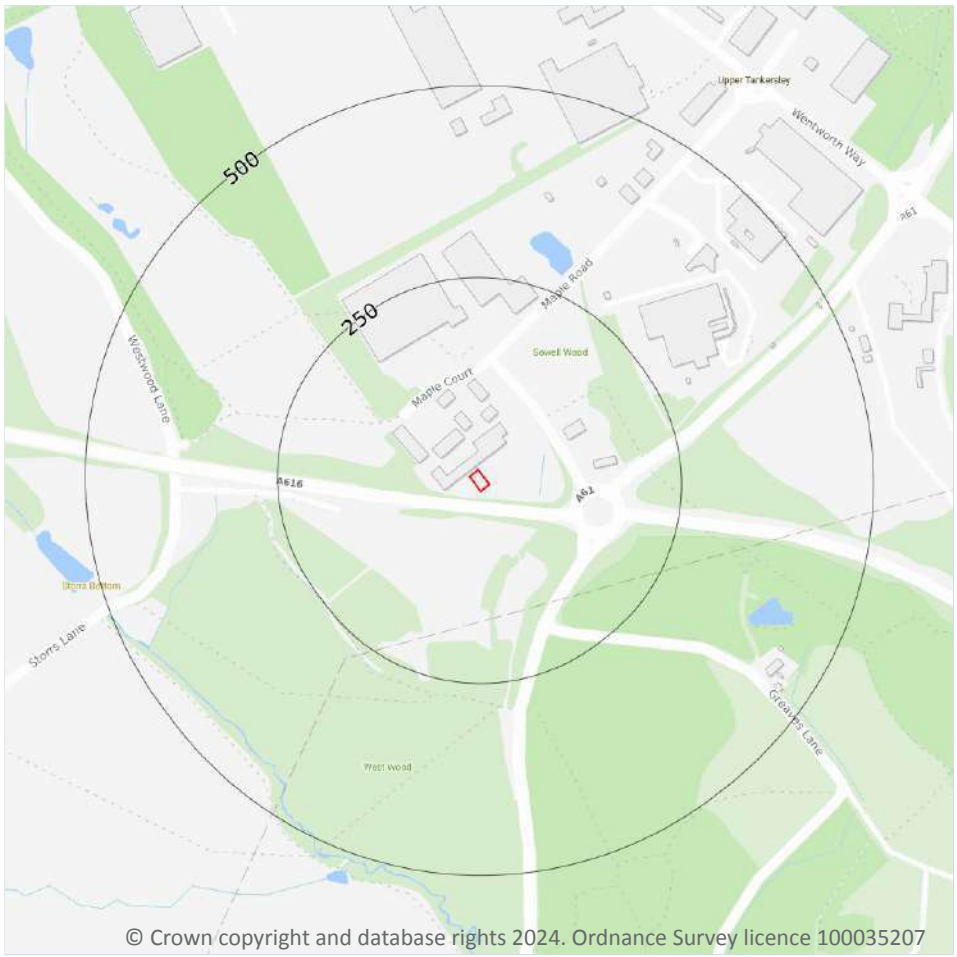
5.5 Groundwater vulnerability- local information

Records on site	**0**

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

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

Abstractions and Source Protection Zones



Site Outline

Search buffers in metres (m)

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

5.6 Groundwater abstractions

Records within 2000m	2

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 46 >**

ID	Location	Details	
-	1070m NW	Status: Historical Licence No: 03/28/20/0057 Details: General Farming & Domestic Direct Source: Groundwater Midlands Region Point: RED HOUSE FARM, RATCLIIFE CULEY - WELL Data Type: Point Name: MESSRS J D & G G HUNT Easting: 432600 Northing: 399600	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 13/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 08/06/1994 Version End Date: -
-	1263m SW	Status: Historical Licence No: 2/27/08/132 Details: General Farming & Domestic Direct Source: GROUNDWATERS Point: BOREHOLE-COAL MEASURES-HOLLY HOUSE FARM Data Type: Point Name: FIRTH Easting: 432870 Northing: 397990	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 26/06/2003 Expiry Date: 31/03/2017 Issue No: 1 Version Start Date: 26/06/2003 Version End Date: -

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

5.7 Surface water abstractions

Records within 2000m	**1**

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 46 >**

ID	Location	Details	
-	1562m SE	Status: Historical Licence No: 2/27/06/042 Details: General Use Relating To Secondary Category (Low Loss) Direct Source: SURFACE WATER Point: DEVIL'S BRIDGE POND - THORNCLIFFE Data Type: Point Name: SPIRE SHEFFIELD LTD Easting: 434600 Northing: 397900	Annual Volume (m^3): 18184 Max Daily Volume (m^3): 545.53 Original Application No: - Original Start Date: 17/03/1966 Expiry Date: - Issue No: 101 Version Start Date: 30/09/1999 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

Site Outline

Search buffers in metres (m)

Water Network (OS MasterMap)

Surface water features (wider than 5m)

Surface water features (narrower than 5m)

WFD River, canal and surface water transfer water bodies

WFD Lake water bodies

WFD Transitional and coastal water bodies

WFD Surface water body catchments boundaries

WFD Groundwater body boundaries

6.1 Water Network (OS MasterMap)

Records within 250m	1

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

Features are displayed on the Hydrology map on **page 49 >**

ID	Location	Type of water feature	Ground level	Permanence	Name
A	66m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

This data is sourced from the Ordnance Survey.

6.2 Surface water features

Records within 250m	1

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

Features are displayed on the Hydrology map on **page 49 >**

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 49 >**

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
1	**On site**	**River**	**Blackburn Brook from Source to River Don**	**GB104027057440**	**Don Middle**	**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 49 >**

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
-	2804m SE	River	Blackburn Brook from Source to River Don	GB104027057440 ↗	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 49 >**

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

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

7 River and coastal flooding

7.1 Risk of flooding from rivers and the sea

Records within 50m	0

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

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

7.2 Historical Flood Events

Records within 250m	0

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

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

7.3 Flood Defences

Records within 250m	0

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

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

7.4 Areas Benefiting from Flood Defences

Records within 250m	0

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

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

7.5 Flood Storage Areas

Records within 250m	0

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

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

River and coastal flooding - Flood Zones

7.6 Flood Zone 2

Records within 50m	0

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

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

7.7 Flood Zone 3

Records within 50m	0

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

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

8 Surface water flooding

8.1 Surface water flooding

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

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

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

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

This data is sourced from Ambiental Risk Analytics.

9 Groundwater flooding

Site Outline

Search buffers in metres (m)

High

Moderate - High

Moderate

Low

Negligible

9.1 Groundwater flooding

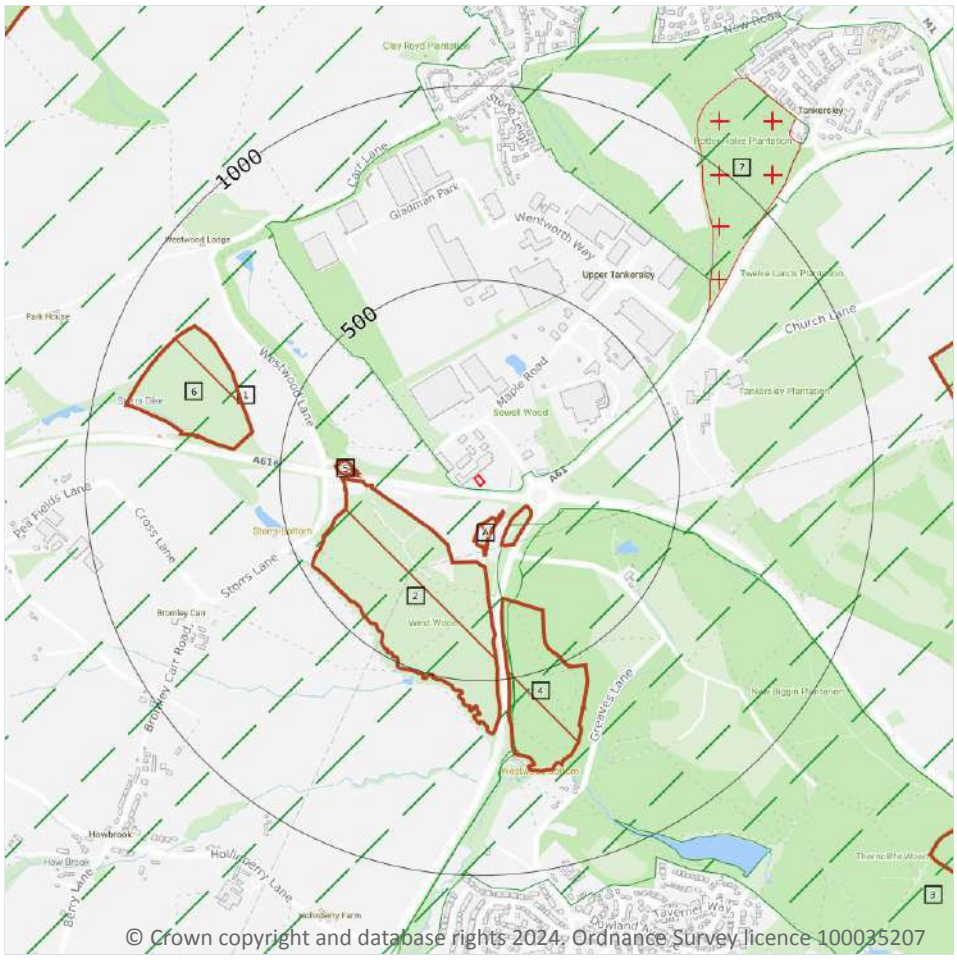
Highest risk on site	**Negligible**
Highest risk within 50m	**Negligible**

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

Features are displayed on the Groundwater flooding map on **page 56 >**

This data is sourced from Ambiental Risk Analytics.

10 Environmental designations



10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m	0

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

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

10.2 Conserved wetland sites (Ramsar sites)

Records within 2000m	0

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

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

10.3 Special Areas of Conservation (SAC)

Records within 2000m	0

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

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

10.4 Special Protection Areas (SPA)

Records within 2000m	0

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

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

10.5 National Nature Reserves (NNR)

Records within 2000m	0

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

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

10.6 Local Nature Reserves (LNR)

Records within 2000m	1

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

Features are displayed on the Environmental designations map on **page 57 >**

ID	Location	Name	Data source
7	721m NE	Potter Holes Plantation	Natural England

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

10.7 Designated Ancient Woodland

Records within 2000m	15

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 57 >**

ID	Location	Name	Woodland Type
A	87m S	West Wood	Ancient & Semi-Natural Woodland
A	116m SE	West Wood	Ancient & Semi-Natural Woodland
2	167m SW	West Wood	Ancient & Semi-Natural Woodland
4	294m S	West Wood	Ancient & Semi-Natural Woodland
5	301m W	West Wood	Ancient & Semi-Natural Woodland
6	582m W	Winterbottom Busks	Ancient & Semi-Natural Woodland
8	1189m E	Bull Wood	Ancient & Semi-Natural Woodland
9	1485m SE	Thorncliffe Wood	Ancient & Semi-Natural Woodland
-	1551m W	Copley Wood	Ancient & Semi-Natural Woodland
-	1597m W	Copley Wood	Ancient Replanted Woodland
12	1623m NW	High Wood	Ancient & Semi-Natural Woodland
-	1787m SW	Low Booth Wood	Ancient & Semi-Natural Woodland

ID	Location	Name	Woodland Type
-	1823m SW	Low Booth Wood	Ancient Replanted Woodland
-	1978m NW	Unknown	Ancient Replanted Woodland
-	1994m SW	Booth 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 57 >**

ID	Location	Name	Local Authority name
1	9m S	South and West Yorkshire	Barnsley
3	188m SE	South and West Yorkshire	Sheffield
-	1818m S	South and West Yorkshire	Sheffield

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

10.12 Proposed Ramsar sites

Records within 2000m	0

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

This data is sourced from Natural England.

10.13 Possible Special Areas of Conservation (pSAC)

Records within 2000m	0

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

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

10.14 Potential Special Protection Areas (pSPA)

Records within 2000m	0

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

This data is sourced from Natural England.

10.15 Nitrate Sensitive Areas

Records within 2000m	0

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

This data is sourced from Natural England.

10.16 Nitrate Vulnerable Zones

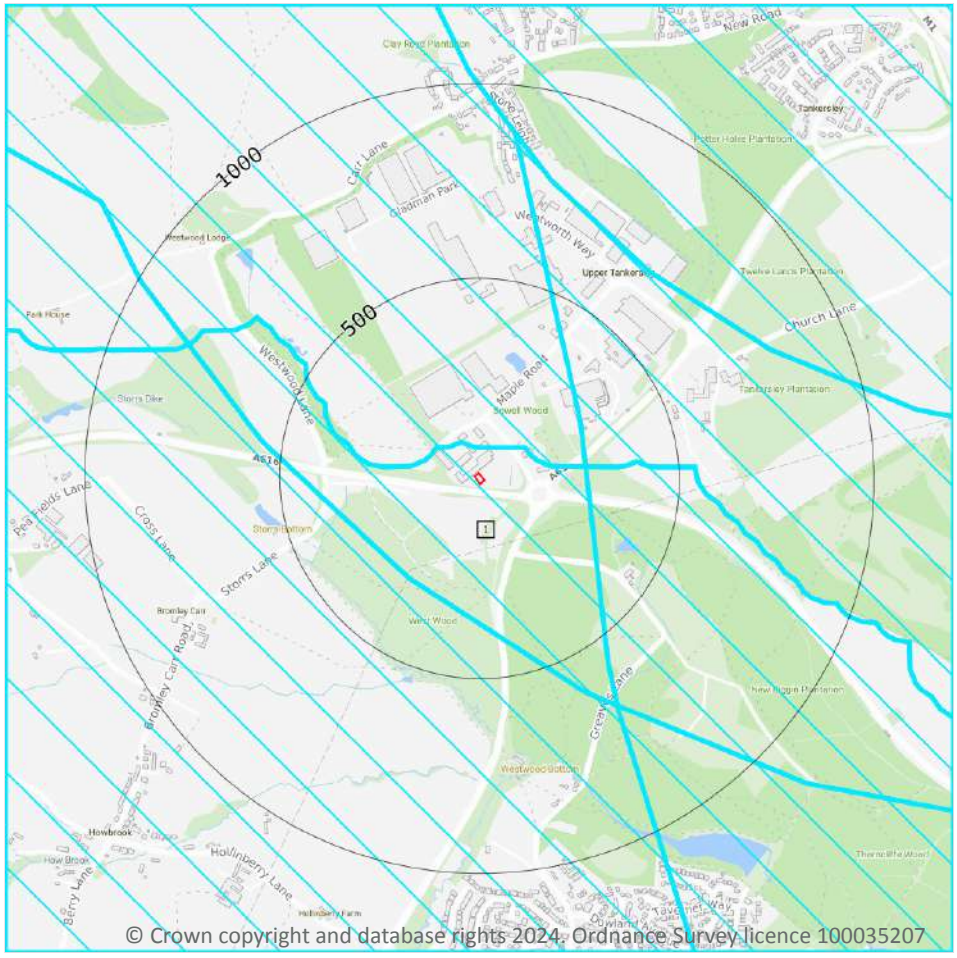
Records within 2000m	4

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

Location	Name	Type	NVZ ID	Status
On site	**Blackburn Brook from Source to River Don NVZ**	**Surface Water**	**261**	**Existing**
115m N	River Dearne NVZ	Surface Water	278	Existing
532m E	Blackburn Brook from Source to River Don NVZ	Surface Water	261	Existing
539m E	River Dearne NVZ	Surface Water	278	Existing

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

SSSI Impact Zones and Units



10.17 SSSI Impact Risk Zones

Records on site	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 63 >**

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

This data is sourced from Natural England.

10.18 SSSI Units

Records within 2000m	0

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

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

11 Visual and cultural designations

11.1 World Heritage Sites

Records within 250m	0

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

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

11.2 Area of Outstanding Natural Beauty

Records within 250m	0

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

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

11.3 National Parks

Records within 250m	0

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

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

11.4 Listed Buildings

Records within 250m	0

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

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

11.5 Conservation Areas

Records within 250m	0

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

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

11.6 Scheduled Ancient Monuments

Records within 250m	0

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

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

11.7 Registered Parks and Gardens

Records within 250m	0

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

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

12 Agricultural designations

Site Outline

Search buffers in metres (m)

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

12.1 Agricultural Land Classification

Records within 250m	1

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

Features are displayed on the Agricultural designations map on **page 67 >**

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

This data is sourced from Natural England.

12.2 Open Access Land

Records within 250m	0

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

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

12.3 Tree Felling Licences

Records within 250m	17

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.

Features are displayed on the Agricultural designations map on **page 67 >**

ID	Location	Description	Reference	Application date
2	8m S	Selective Fell/Thin (Unconditional)	018/366/15-16	-
3	21m SW	Selective Fell/Thin (Unconditional)	018/366/15-16	-
4	30m S	Selective Fell/Thin (Unconditional)	018/366/15-16	-
5	48m SE	Selective Fell/Thin (Unconditional)	018/366/15-16	-
6	51m SE	Selective Fell/Thin (Unconditional)	018/366/15-16	-
7	82m SE	Selective Fell/Thin (Unconditional)	018/366/15-16	-
8	129m SE	Selective Fell/Thin (Unconditional)	018/366/15-16	-
9	130m W	Selective Fell/Thin (Unconditional)	018/366/15-16	-
10	132m E	Selective Fell/Thin (Unconditional)	018/366/15-16	-
11	164m SE	Selective Fell/Thin (Unconditional)	018/366/15-16	-
12	171m SE	Selective Fell/Thin (Unconditional)	018/366/15-16	-
A	177m E	Selective Fell/Thin (Unconditional)	018/366/15-16	-
A	180m E	Selective Fell/Thin (Unconditional)	018/366/15-16	-
13	191m W	Selective Fell/Thin (Unconditional)	018/366/15-16	-
14	192m E	Selective Fell/Thin (Unconditional)	018/366/15-16	-
15	242m E	Selective Fell/Thin (Unconditional)	018/366/15-16	-

ID	Location	Description	Reference	Application date
16	247m E	Selective Fell/Thin (Unconditional)	018/366/15-16	-

This data is sourced from the Forestry Commission.

12.4 Environmental Stewardship Schemes

Records within 250m	**1**

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.

Location	Reference	Scheme	Start Date	End date
182m SE	AG00317183	Higher Level Stewardship	01/10/2010	30/09/2023

This data is sourced from Natural England.

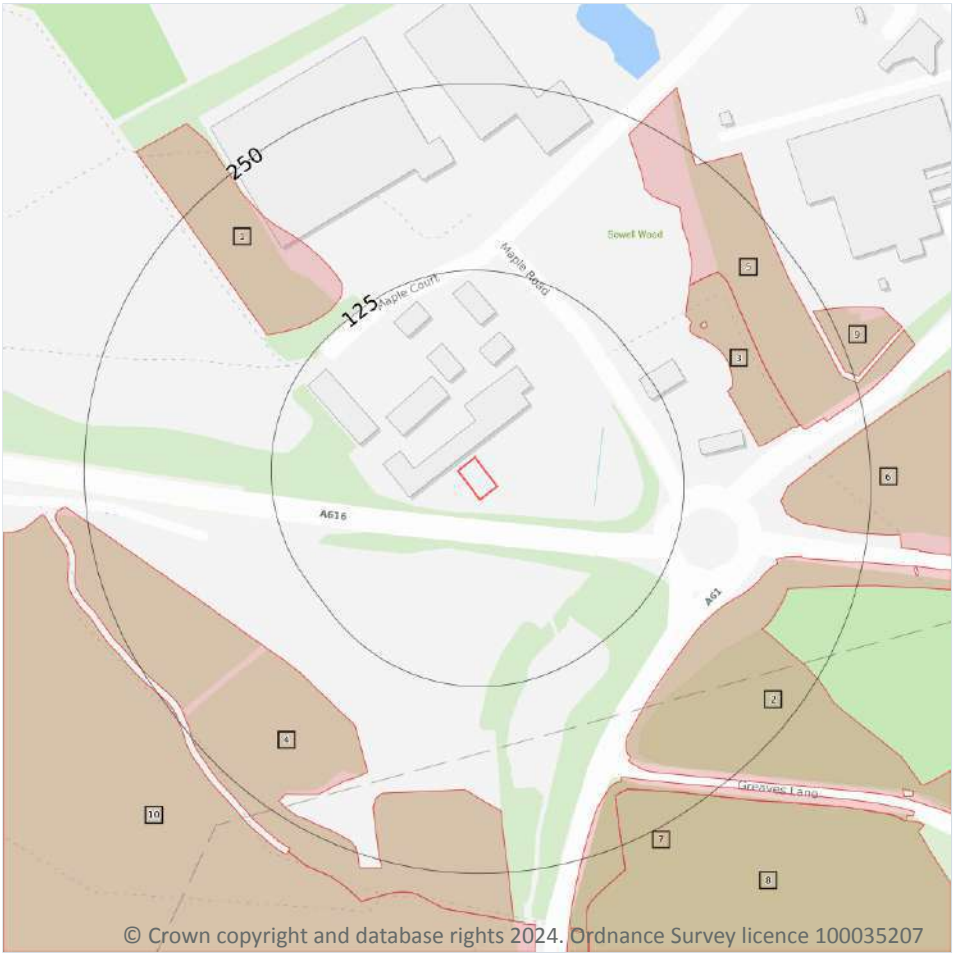
12.5 Countryside Stewardship Schemes

Records within 250m	**0**

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

This data is sourced from Natural England.

13 Habitat designations



Site Outline

Search buffers in metres (m)

Priority Habitat Inventory
Open Mosaic Habitat
Limestone Pavement Orders

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

13.1 Priority Habitat Inventory

Records within 250m	10

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 70 >**

ID	Location	Main Habitat	Other habitats
1	137m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
2	165m SE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
3	166m NE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
4	167m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)

ID	Location	Main Habitat	Other habitats
5	184m NE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
6	190m E	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
7	208m SE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
8	217m SE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
9	242m NE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
10	248m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)

This data is sourced from Natural England.

13.2 Habitat Networks

Records within 250m	**0**

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

This data is sourced from Natural England.

13.3 Open Mosaic Habitat

Records within 250m	**0**

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

This data is sourced from Natural England.

13.4 Limestone Pavement Orders

Records within 250m	**0**

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

This data is sourced from Natural England.

14 Geology 1:10,000 scale - Availability

Site Outline

Search buffers in metres (m)

- Full coverage
- Partial coverage
- No coverage

14.1 10k Availability

Records within 500m	1

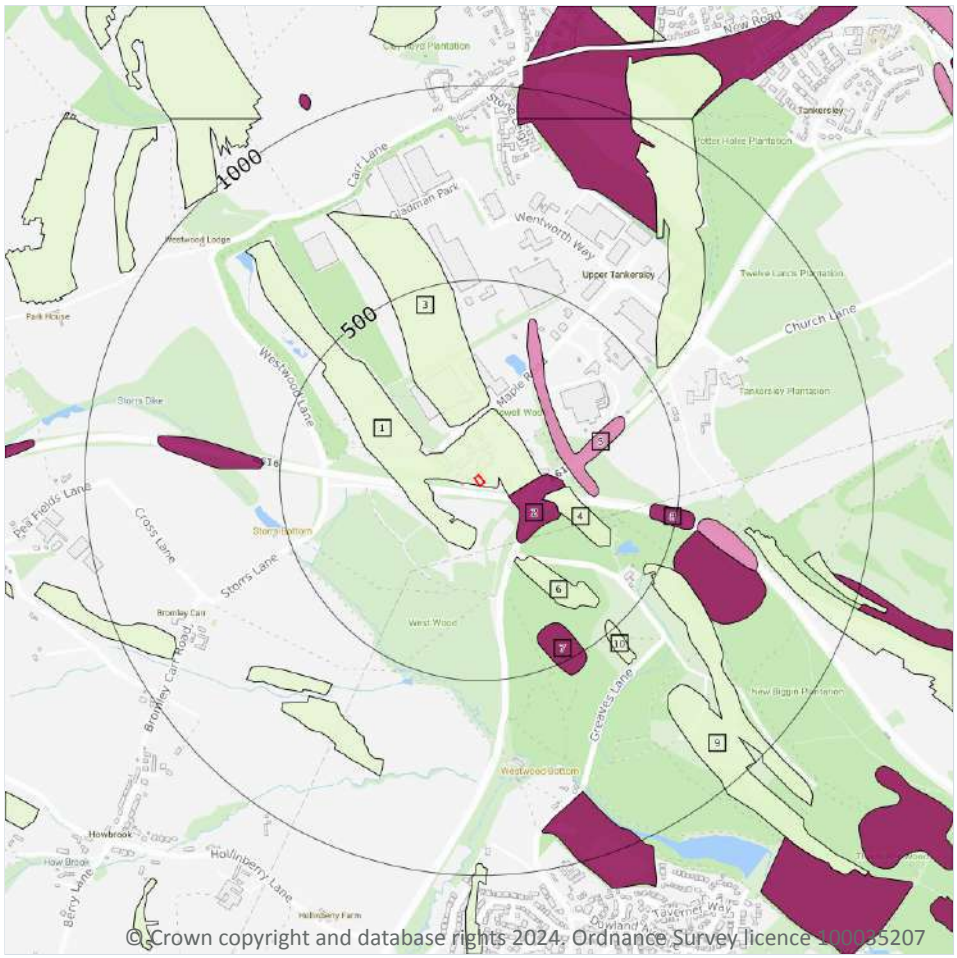
An indication on the coverage of 1:10,000 scale geology data for the site, the most detailed dataset provided by the British Geological Survey. Either 'Full', 'Partial' or 'No coverage' for each geological theme.

Features are displayed on the Geology 1:10,000 scale - Availability map on **page 72 >**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	**On site**	**Full**	**Full**	**Full**	**No coverage**	**SK39NW**

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	10

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 73 >**

ID	Location	LEX Code	Description	Rock description
1	**On site**	**WMGR-ARTDP**	**Infilled Ground**	**Artificial Deposit**
2	71m SE	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
3	137m N	WMGR-ARTDP	Infilled Ground	Artificial Deposit
4	155m E	WMGR-ARTDP	Infilled Ground	Artificial Deposit

ID	Location	LEX Code	Description	Rock description
5	202m E	WGR-VOID	Worked Ground (Undivided)	Void
6	206m SE	WMGR-ARTDP	Infilled Ground	Artificial Deposit
7	398m SE	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
8	431m E	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
9	464m SE	WMGR-ARTDP	Infilled Ground	Artificial Deposit
10	475m SE	WMGR-ARTDP	Infilled Ground	Artificial Deposit

This data is sourced from the British Geological Survey.

Geology 1:10,000 scale - Superficial

14.3 Superficial geology (10k)

Records within 500m	0

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

This data is sourced from the British Geological Survey.

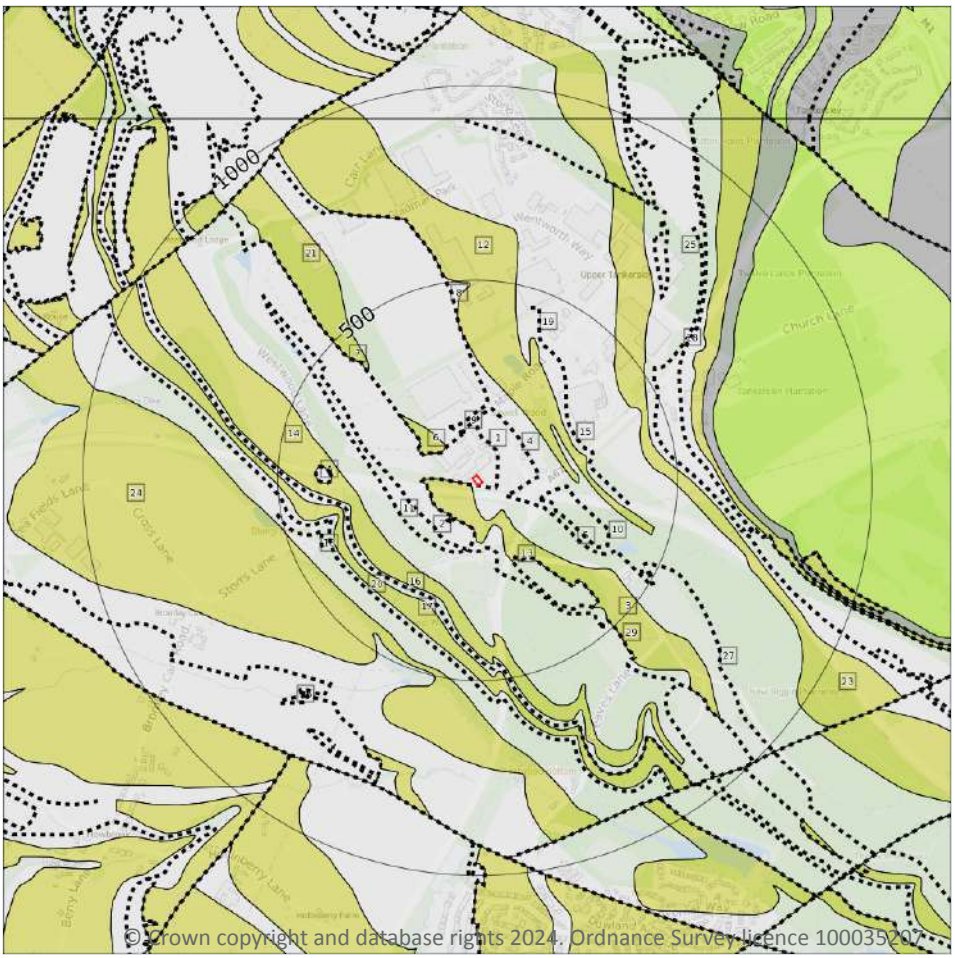
14.4 Landslip (10k)

Records within 500m	0

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

This data is sourced from the British Geological Survey.

Geology 1:10,000 scale - Bedrock



Site Outline

Search buffers in metres (m)

Bedrock faults and other linear features (10k)

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

14.5 Bedrock geology (10k)

Records within 500m	13

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 76 >**

ID	Location	LEX Code	Description	Rock age
1	**On site**	**PLCM-MDSS**	**Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone**	**Langsettian Sub-age**
3	12m SW	PKR-SDST	Parkgate Rock - Sandstone	Langsettian Sub-age
6	104m NW	PKR-SDST	Parkgate Rock - Sandstone	Langsettian Sub-age

ID	Location	LEX Code	Description	Rock age
12	193m NE	PLCM-SDST	Pennine Lower Coal Measures Formation - Sandstone	Langsettian Sub-age
14	263m SW	PLCM-SDST	Pennine Lower Coal Measures Formation - Sandstone	Langsettian Sub-age
17	328m SW	PLCM-SDST	Pennine Lower Coal Measures Formation - Sandstone	Langsettian Sub-age
18	356m W	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age
A	361m W	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age
21	386m NW	PKR-SDST	Parkgate Rock - Sandstone	Langsettian Sub-age
23	417m E	PLCM-SDST	Pennine Lower Coal Measures Formation - Sandstone	Langsettian Sub-age
24	436m SW	SR-SDST	Silkstone Rock - Sandstone	Langsettian Sub-age
25	446m E	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age
26	461m SW	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age

This data is sourced from the British Geological Survey.

14.6 Bedrock faults and other linear features (10k)

Records within 500m **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.

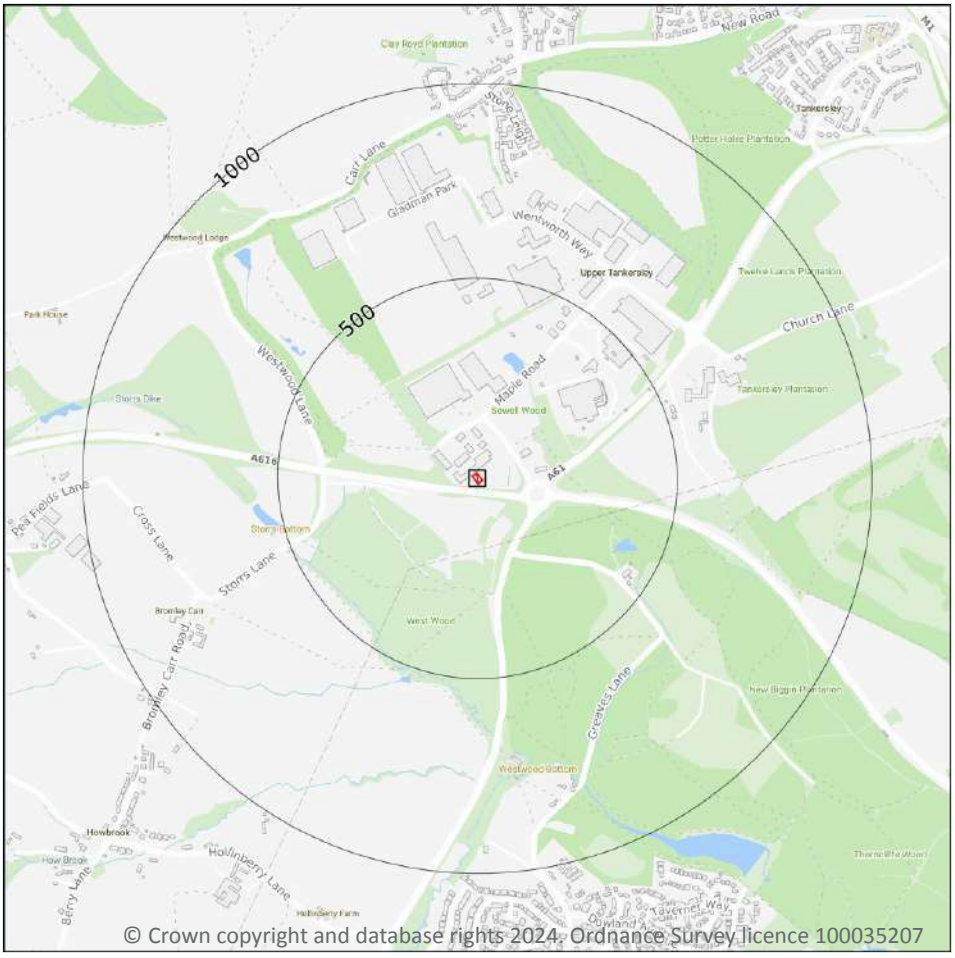
Features are displayed on the Geology 1:10,000 scale - Bedrock map on **page 76 >**

ID	Location	Category	Description
2	**On site**	**ROCK**	**Coal seam, observed**
4	71m SE	ROCK	Coal seam, observed
5	71m SE	ROCK	Coal seam, inferred
7	104m NW	ROCK	Coal seam, observed
8	111m N	ROCK	Coal seam, observed
9	111m N	ROCK	Coal seam, observed
10	155m E	ROCK	Coal seam, observed

ID	Location	Category	Description
11	160m S	ROCK	Coal seam, inferred
13	206m SE	ROCK	Coal seam, observed
15	266m NE	ROCK	Coal seam, inferred
16	310m SW	ROCK	Coal seam, inferred
A	361m W	ROCK	Coal seam, inferred
19	371m NE	ROCK	Coal seam, observed
20	376m W	ROCK	Coal seam, inferred
22	408m W	ROCK	Coal seam, inferred
27	464m SE	ROCK	Coal seam, observed
28	464m E	ROCK	Coal seam, inferred
29	475m SE	ROCK	Coal seam, observed

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

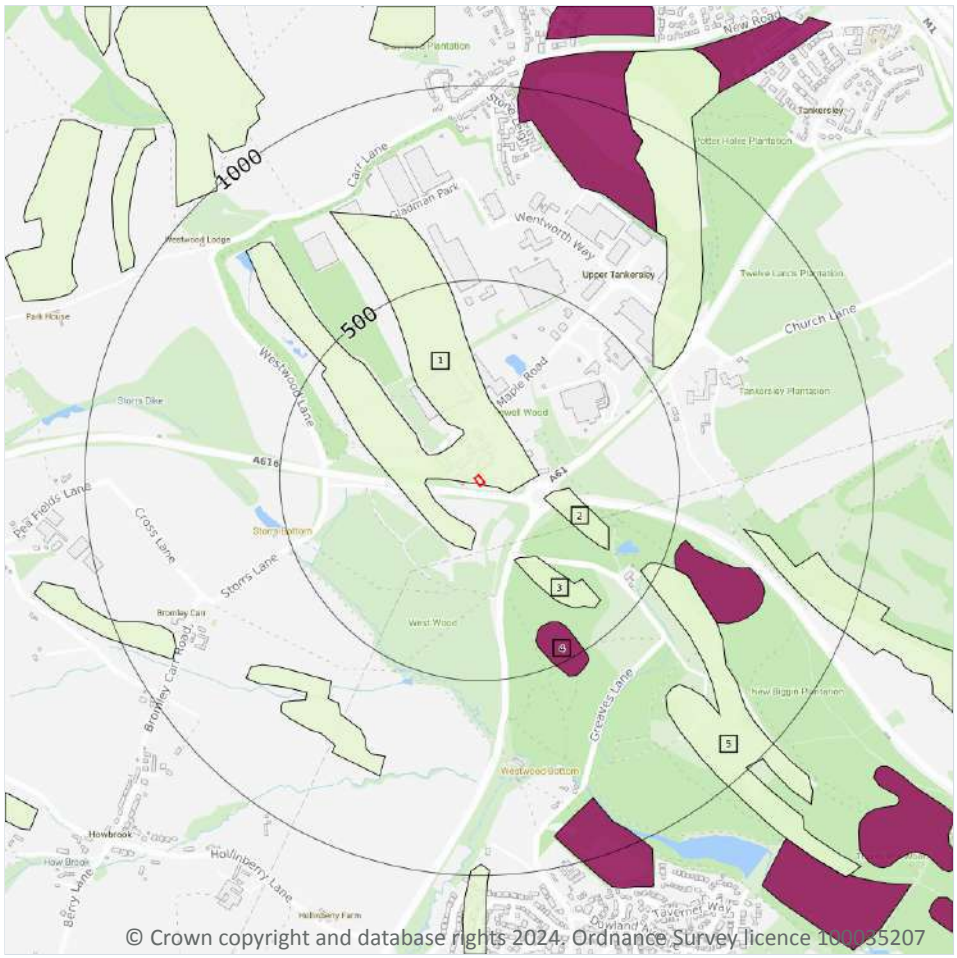
An indication on the coverage of 1:50,000 scale geology data for the site. Either 'Full' or 'No coverage' for each geological theme.

Features are displayed on the Geology 1:50,000 scale - Availability map on **page 79 >**

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

This data is sourced from the British Geological Survey.

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



Site Outline

Search buffers in metres (m)

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

15.2 Artificial and made ground (50k)

Records within 500m	5

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

Features are displayed on the Geology 1:50,000 scale - Artificial and made ground map on **page 80 >**

ID	Location	LEX Code	Description	Rock description
1	**On site**	**WMGR-ARTDP**	**INFILLED GROUND**	**ARTIFICIAL DEPOSIT**
2	157m E	WMGR-ARTDP	INFILLED GROUND	ARTIFICIAL DEPOSIT
3	208m SE	WMGR-ARTDP	INFILLED GROUND	ARTIFICIAL DEPOSIT
4	393m SE	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT

ID	Location	LEX Code	Description	Rock description
5	460m SE	WMGR-ARTDP	INFILLED GROUND	ARTIFICIAL DEPOSIT

This data is sourced from the British Geological Survey.

15.3 Artificial ground permeability (50k)

Records within 50m	**1**

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

Location	Flow type	Maximum permeability	Minimum permeability
On site	**Mixed**	**Very High**	**Low**

This data is sourced from the British Geological Survey.

Geology 1:50,000 scale - Superficial

15.4 Superficial geology (50k)

Records within 500m	0

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

This data is sourced from the British Geological Survey.

15.5 Superficial permeability (50k)

Records within 50m	0

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

This data is sourced from the British Geological Survey.

15.6 Landslip (50k)

Records within 500m	0

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

This data is sourced from the British Geological Survey.

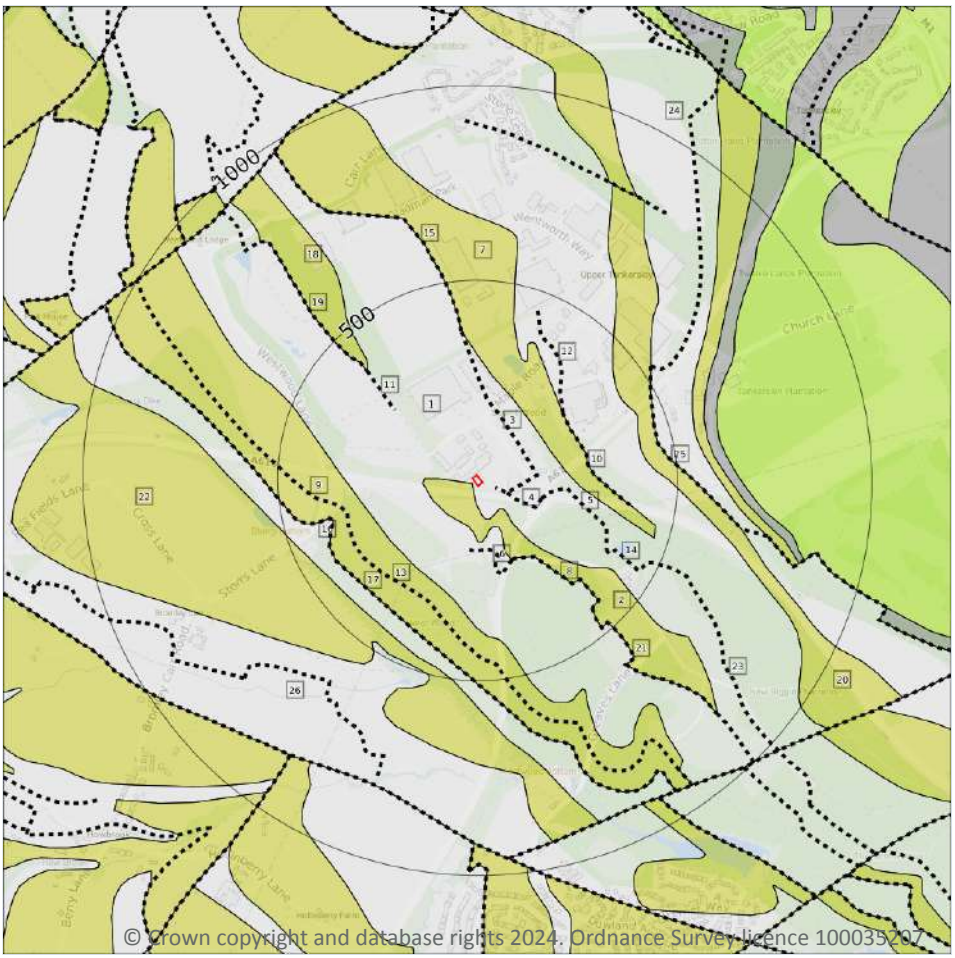
15.7 Landslip permeability (50k)

Records within 50m	0

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

This data is sourced from the British Geological Survey.

Geology 1:50,000 scale - Bedrock



Site Outline

Search buffers in metres (m)

Bedrock faults and other linear features (50k)

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

15.8 Bedrock geology (50k)

Records within 500m	10

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 83 >**

ID	Location	LEX Code	Description	Rock age
1	**On site**	**PLCM-MDSS**	**PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE**	**WESTPHALIAN**
2	9m SW	PKR-SDST	PARKGATE ROCK - SANDSTONE	WESTPHALIAN
7	190m NE	PLCM-SDST	PENNINE LOWER COAL MEASURES FORMATION - SANDSTONE	WESTPHALIAN

ID	Location	LEX Code	Description	Rock age
9	260m SW	PLCM-SDST	PENNINE LOWER COAL MEASURES FORMATION - SANDSTONE	WESTPHALIAN
16	373m W	PLCM-MDSS	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
18	387m NW	PKR-SDST	PARKGATE ROCK - SANDSTONE	WESTPHALIAN
20	415m E	PLCM-SDST	PENNINE LOWER COAL MEASURES FORMATION - SANDSTONE	WESTPHALIAN
22	434m SW	SR-SDST	SILKSTONE ROCK - SANDSTONE	WESTPHALIAN
24	461m E	PLCM-MDSS	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
26	478m SW	PLCM-MDSS	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN

This data is sourced from the British Geological Survey.

15.9 Bedrock permeability (50k)

Records within 50m **2**

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

Location	Flow type	Maximum permeability	Minimum permeability
On site	**Fracture**	**Moderate**	**Low**
9m SW	Fracture	High	Moderate

This data is sourced from the British Geological Survey.

15.10 Bedrock faults and other linear features (50k)

Records within 500m **16**

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.

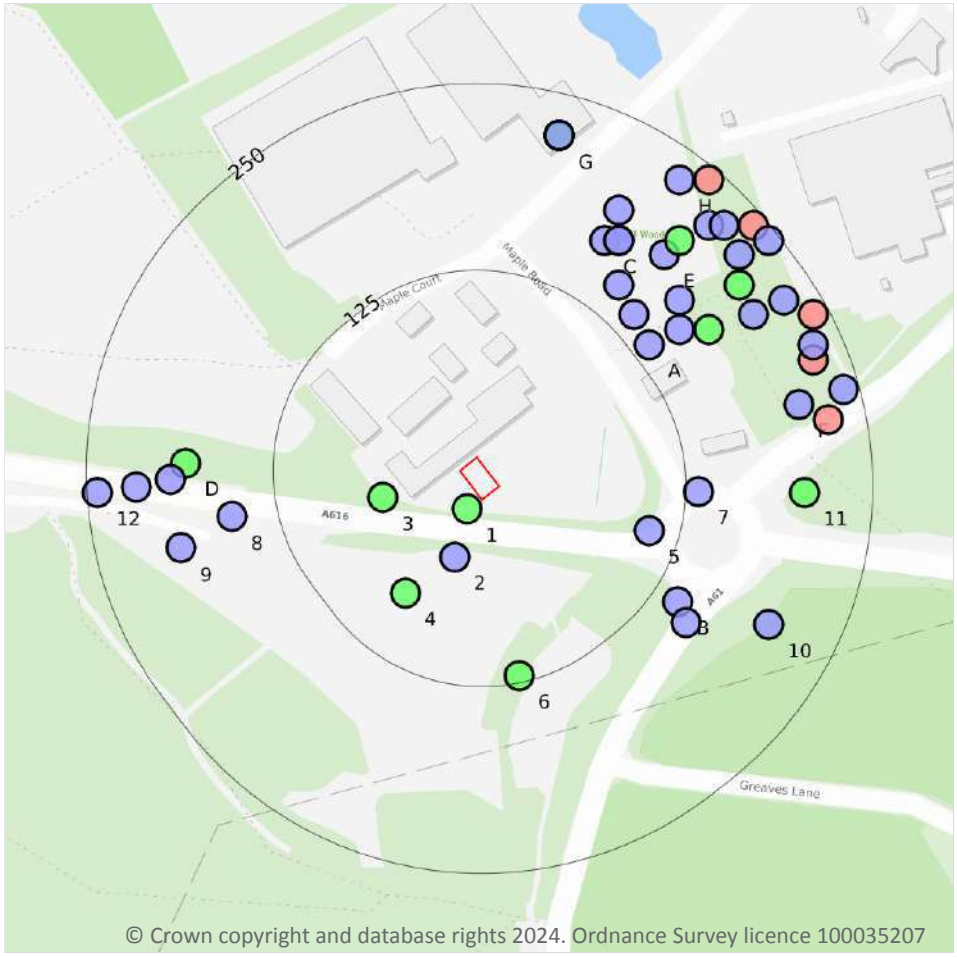
Features are displayed on the Geology 1:50,000 scale - Bedrock map on **page 83 >**

ID	Location	Category	Description
3	35m E	ROCK	Coal seam, inferred

ID	Location	Category	Description
4	69m E	ROCK	Coal seam, inferred
5	157m E	ROCK	Coal seam, inferred
6	165m S	ROCK	Coal seam, inferred
8	208m SE	ROCK	Coal seam, inferred
10	264m NE	ROCK	Coal seam, inferred
11	266m NW	ROCK	Coal seam, inferred
12	272m NE	ROCK	Coal seam, inferred
13	317m SW	ROCK	Coal seam, inferred
14	362m SE	ROCK	Coal seam, inferred
15	369m N	ROCK	Coal seam, inferred
17	373m W	ROCK	Coal seam, inferred
19	387m NW	ROCK	Coal seam, inferred
21	428m SE	ROCK	Coal seam, inferred
23	460m SE	ROCK	Coal seam, inferred
25	461m E	ROCK	Coal seam, inferred

This data is sourced from the British Geological Survey.

16 Boreholes



Site Outline

Search buffers in metres (m)

Confidential

0 - 10m

10 - 30m

30m+

Unknown

16.1 BGS Boreholes

Records within 250m	64

The Single Onshore Boreholes Index (SOBI); an index of over one million records of boreholes, shafts and wells from all forms of drilling and site investigation work held by the British Geological Survey. Covering onshore and nearshore boreholes dating back to at least 1790 and ranging from one to several thousand metres deep.

Features are displayed on the Boreholes map on **page 86 >**

ID	Location	Grid reference	Name	Length	Confidential	Web link
1	12m SW	433538 399050	A616 WORTLEY TO M1 BH624	16.85	N	215549 ↗
2	42m S	433530 399018	A616 WORTLEY TO M1 TP716	1.7	N	215548 ↗
3	55m W	433482 399058	A616 WORTLEY TO M1 BH622	17.82	N	215546 ↗

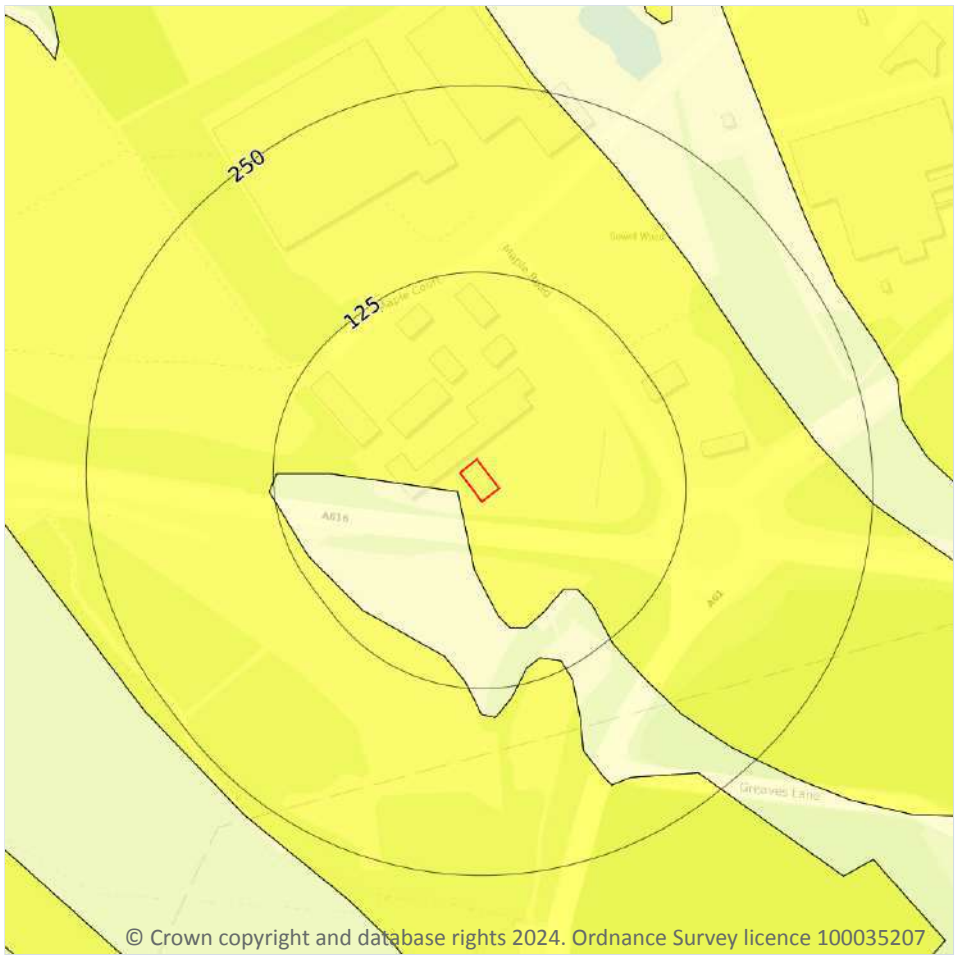
ID	Location	Grid reference	Name	Length	Confidential	Web link
4	81m SW	433497 398994	A616 WORTLEY TO M1 BH623	16.38	N	215547 ↗
5	105m E	433660 399036	A616 WORTLEY TO M1 BH625	10.0	N	215550 ↗
6	120m S	433573 398939	MANCHESTER-SHEFFIELD NEW ROUTE BORE NO.2BD34 N.W.R	16.0	N	215498 ↗
7	134m E	433693 399062	A616 WORTLEY TO M1 TP739	1.4	N	215553 ↗
A	137m NE	433660 399160	TANKERSLEY,SHEFFIELD TT 1A	4.0	N	215750 ↗
A	142m NE	433650 399180	TANKERSLEY,SHEFFIELD TP 1	3.0	N	215735 ↗
B	142m SE	433679 398988	A616 WORTLEY TO M1 TP717	3.5	N	215551 ↗
A	150m NE	433640 399200	TANKERSLEY,SHEFFIELD TP 2	3.0	N	215736 ↗
B	155m SE	433685 398974	A616 WORTLEY TO M1 TP744	2.8	N	215552 ↗
8	156m W	433381 399045	A616 WORTLEY TO M1 TP715	3.3	N	215545 ↗
A	159m NE	433680 399170	TANKERSLEY,SHEFFIELD TT 1B	3.0	N	215751 ↗
C	168m NE	433630 399230	TANKERSLEY,SHEFFIELD TT 4A	4.0	N	215752 ↗
A	171m NE	433680 399190	TANKERSLEY,SHEFFIELD TP 3	3.0	N	215737 ↗
C	174m NE	433640 399230	TANKERSLEY,SHEFFIELD TT 4B	1.0	N	215753 ↗
C	174m NE	433640 399230	TANKERSLEY,SHEFFIELD 1	7.0	N	215723 ↗
A	175m NE	433700 399170	TANKERSLEY,SHEFFIELD 2	23.0	N	215724 ↗
D	184m W	433350 399081	A616 WORTLEY TO M1 BH621	15.0	N	215544 ↗
E	184m NE	433670 399220	TANKERSLEY,SHEFFIELD TP 4	3.0	N	215738 ↗
C	191m NE	433640 399250	TANKERSLEY,SHEFFIELD TP 5	3.0	N	215739 ↗
9	194m W	433347 399024	A616 WORTLEY TO M1 BH620	10.0	N	215543 ↗
D	194m W	433340 399070	A616 WORTLEY TO M1 TP748	3.7	N	215542 ↗
E	198m NE	433680 399230	TANKERSLEY,SHEFFIELD 3	21.0	N	215725 ↗
10	203m SE	433740 398973	A616 WORTLEY TO M1 BH629	10.0	N	215554 ↗
11	205m E	433764 399061	A616 WORTLEY TO M1 BH628	18.38	N	215555 ↗
E	206m NE	433730 399180	TANKERSLEY,SHEFFIELD TP 6	3.0	N	215740 ↗
F	208m E	433760 399120	TANKERSLEY,SHEFFIELD TP 10	3.0	N	215744 ↗
E	209m NE	433720 399200	TANKERSLEY,SHEFFIELD 4	24.0	N	215726 ↗
D	217m W	433317 399065	A616 WORTLEY TO M1 TP747	4.3	N	215541 ↗

ID	Location	Grid reference	Name	Length	Confidential	Web link
E	220m NE	433700 399240	TANKERSLEY,SHEFFIELD TP 7	3.0	N	215741 ↗
E	221m NE	433720 399220	TANKERSLEY,SHEFFIELD TT 7	3.0	N	215755 ↗
G	222m N	433600 399300	WENTWORTH INDUST' PARK TP T2	3.0	N	215596 ↗
G	222m N	433600 399300	WENTWORTH INDUST' PARK 4	10.0	N	215610 ↗
G	222m N	433600 399300	WENTWORTH INDUST' PARK TP T3	3.0	N	215597 ↗
G	222m N	433600 399300	WENTWORTH INDUST' PARK P3	31.0	N	215613 ↗
G	222m N	433600 399300	WENTWORTH INDUST' PARK TP T6	2.0	N	215600 ↗
G	222m N	433600 399300	WENTWORTH INDUST' PARK TP T10	3.0	N	215604 ↗
G	222m N	433600 399300	WENTWORTH INDUST' PARK TP T1	1.0	N	215595 ↗
G	222m N	433600 399300	WENTWORTH INDUST' PARK TP T4	3.0	N	215598 ↗
G	222m N	433600 399300	WENTWORTH INDUST' PARK 3	9.0	N	215609 ↗
G	222m N	433600 399300	WENTWORTH INDUST' PARK TP T11	2.0	N	215605 ↗
G	222m N	433600 399300	WENTWORTH INDUST' PARK TP T12	2.0	N	215606 ↗
G	222m N	433600 399300	WENTWORTH INDUST' PARK TP T8	4.0	N	215602 ↗
G	222m N	433600 399300	WENTWORTH INDUST' PARK TP T5	3.0	N	215599 ↗
G	222m N	433600 399300	WENTWORTH INDUST' PARK 1	5.0	N	215607 ↗
G	222m N	433600 399300	WENTWORTH INDUST' PARK P1	25.0	N	215611 ↗
G	222m N	433600 399300	WENTWORTH INDUST' PARK 2	11.0	N	215608 ↗
G	222m N	433600 399300	WENTWORTH INDUST' PARK TP T7	4.0	N	215601 ↗
G	222m N	433600 399300	WENTWORTH INDUST' PARK P2	30.0	N	215612 ↗
G	222m N	433600 399300	WENTWORTH INDUST' PARK TP T9	1.0	N	215603 ↗
F	225m E	433780 399110	TANKERSLEY,SHEFFIELD 7	42.0	N	215729 ↗
E	227m NE	433710 399240	TANKERSLEY,SHEFFIELD TT 9	4.0	N	215756 ↗
E	227m E	433770 399150	TANKERSLEY,SHEFFIELD 8	45.0	N	215730 ↗
E	228m NE	433750 399190	TANKERSLEY,SHEFFIELD TT 6	3.0	N	215754 ↗
H	229m NE	433680 399270	TANKERSLEY,SHEFFIELD TP 8	3.0	N	215742 ↗
E	231m E	433770 399160	TANKERSLEY,SHEFFIELD TP 14	4.0	N	215747 ↗
F	239m E	433790 399130	TANKERSLEY,SHEFFIELD TP 13	4.0	N	215746 ↗

ID	Location	Grid reference	Name	Length	Confidential	Web link
E	240m NE	433770 399180	TANKERSLEY,SHEFFIELD 9	47.0	N	215731 ↗
E	242m NE	433730 399240	TANKERSLEY,SHEFFIELD 6	45.0	N	215728 ↗
H	242m NE	433700 399270	TANKERSLEY,SHEFFIELD 5	40.0	N	215727 ↗
12	243m W	433291 399061	A616 WORTLEY TO M1 TP749	3.8	N	215540 ↗
E	243m NE	433740 399230	TANKERSLEY,SHEFFIELD TP 9	3.0	N	215743 ↗

This data is sourced from the British Geological Survey.

17 Natural ground subsidence - Shrink swell clays



Site Outline

Search buffers in metres (m)

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

17.1 Shrink swell clays

Records within 50m	2

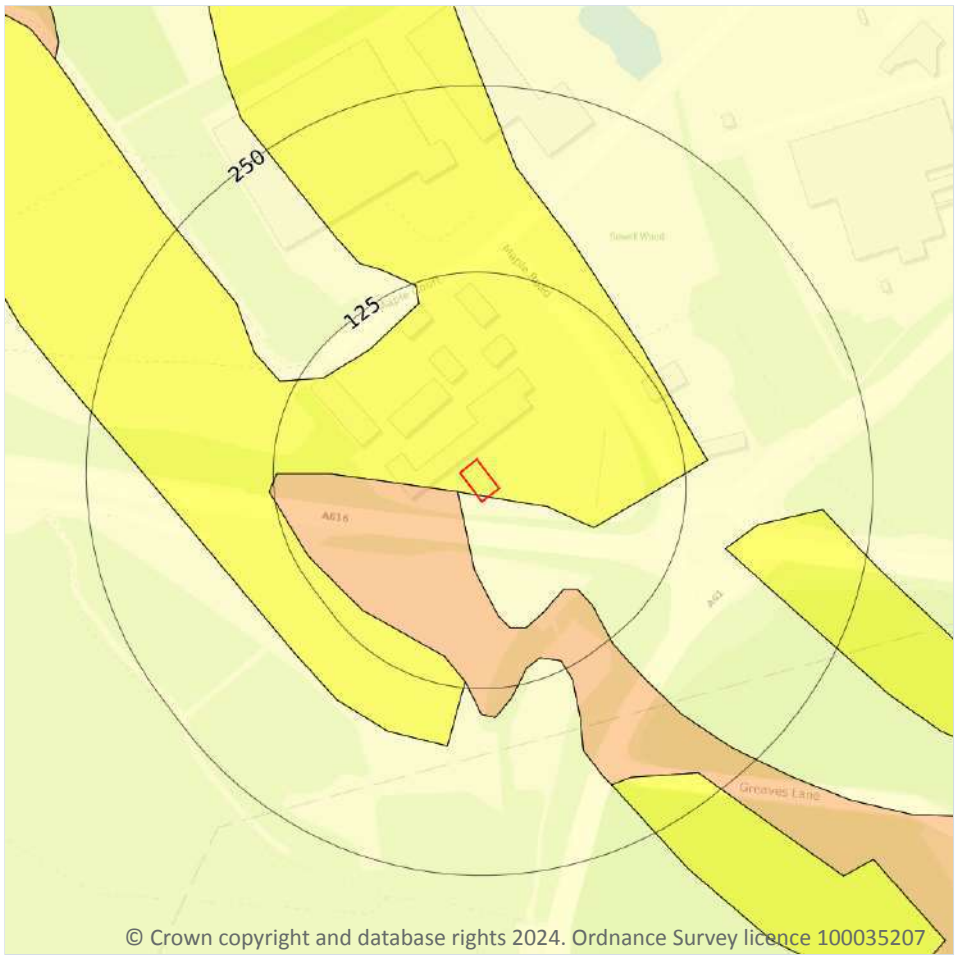
The potential hazard presented by soils that absorb water when wet (making them swell), and lose water as they dry (making them shrink). This shrink-swell behaviour is controlled by the type and amount of clay in the soil, and by seasonal changes in the soil moisture content (related to rainfall and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

Features are displayed on the Natural ground subsidence - Shrink swell clays map on **page 90 >**

Location	Hazard rating	Details
On site	**Very low**	**Ground conditions predominantly low plasticity.**
9m SW	Negligible	Ground conditions predominantly non-plastic.

This data is sourced from the British Geological Survey.

Natural ground subsidence - Running sands



Site Outline

Search buffers in metres (m)

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

17.2 Running sands

Records within 50m	3

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.

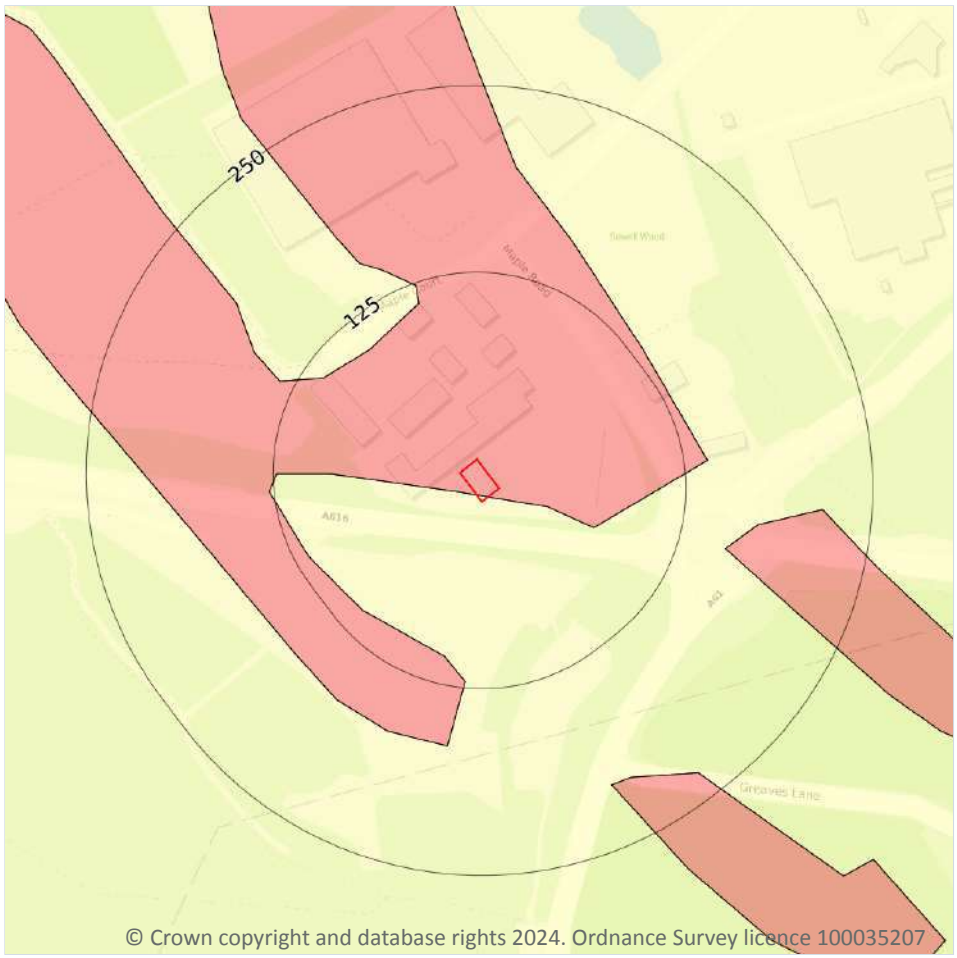
Features are displayed on the Natural ground subsidence - Running sands map on **page 91 >**

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.**

Location	Hazard rating	Details
On site	**Very low**	**Running sand conditions are unlikely. No identified constraints on land use due to running conditions unless water table rises rapidly.**
9m SW	Low	Running sand conditions may be present. Constraints may apply to land uses involving excavation or the addition or removal of water.

This data is sourced from the British Geological Survey.

Natural ground subsidence - Compressible deposits



Site Outline

Search buffers in metres (m)

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

17.3 Compressible deposits

Records within 50m	2

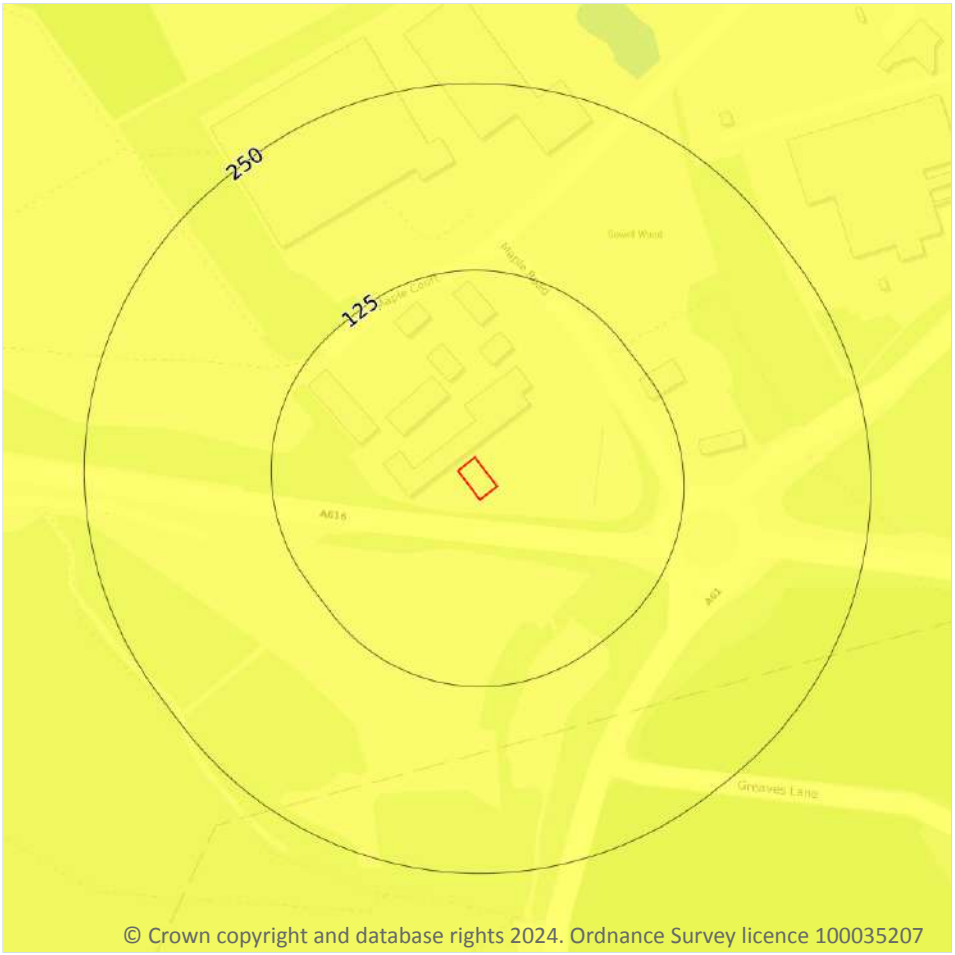
The potential hazard presented by types of ground that may contain layers of very soft materials like clay or peat and may compress if loaded by overlying structures, or if the groundwater level changes, potentially resulting in depression of the ground and disturbance of foundations.

Features are displayed on the Natural ground subsidence - Compressible deposits map on **page 93 >**

Location	Hazard rating	Details
On site	**Negligible**	**Compressible strata are not thought to occur.**
On site	**Moderate**	**Compressibility and uneven settlement hazards are probably present. Land use should consider specifically the compressibility and variability of the site.**

This data is sourced from the British Geological Survey.

Natural ground subsidence - Collapsible deposits



Site Outline

Search buffers in metres (m)

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

17.4 Collapsible deposits

Records within 50m	1

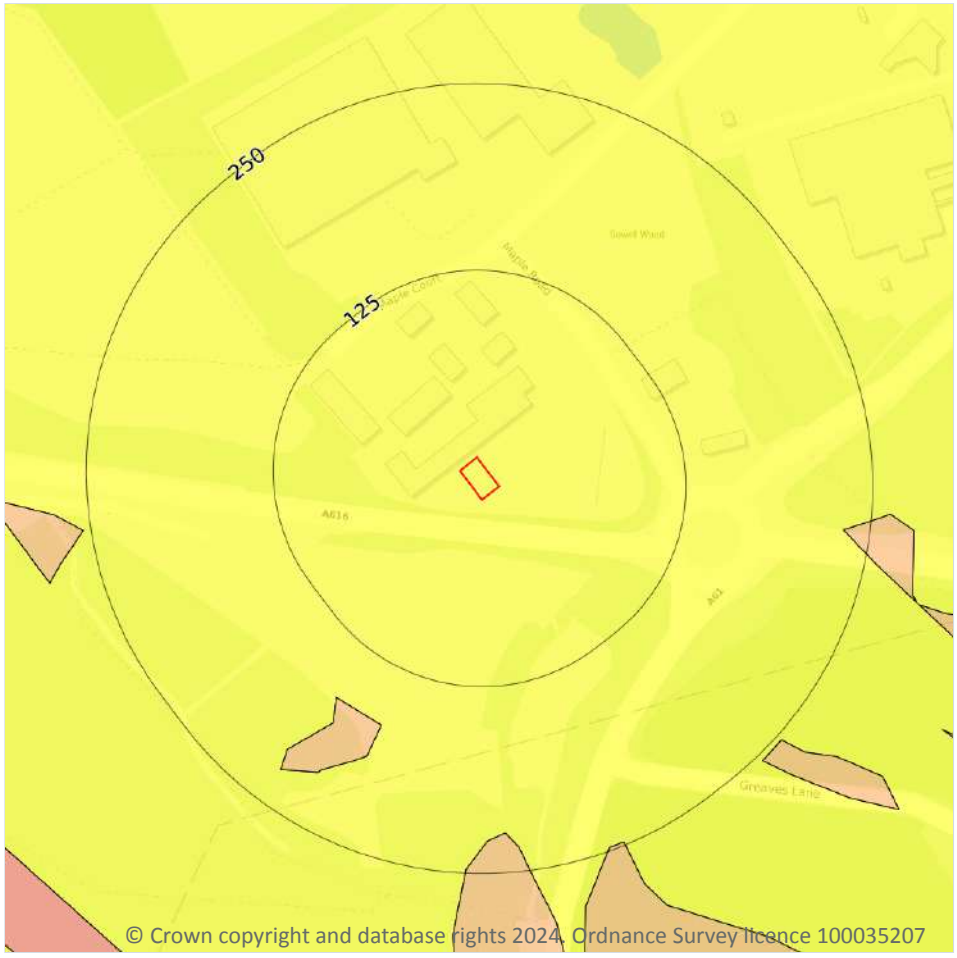
The potential hazard presented by natural deposits that could collapse when a load (such as a building) is placed on them or they become saturated with water.

Features are displayed on the Natural ground subsidence - Collapsible deposits map on **page 95 >**

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

This data is sourced from the British Geological Survey.

Natural ground subsidence - Landslides



Site Outline

Search buffers in metres (m)

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

17.5 Landslides

Records within 50m	1

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

Features are displayed on the Natural ground subsidence - Landslides map on **page 96 >**

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

This data is sourced from the British Geological Survey.

Natural ground subsidence - Ground dissolution of soluble rocks

Site Outline

Search buffers in metres (m)

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

17.6 Ground dissolution of soluble rocks

Records within 50m	1

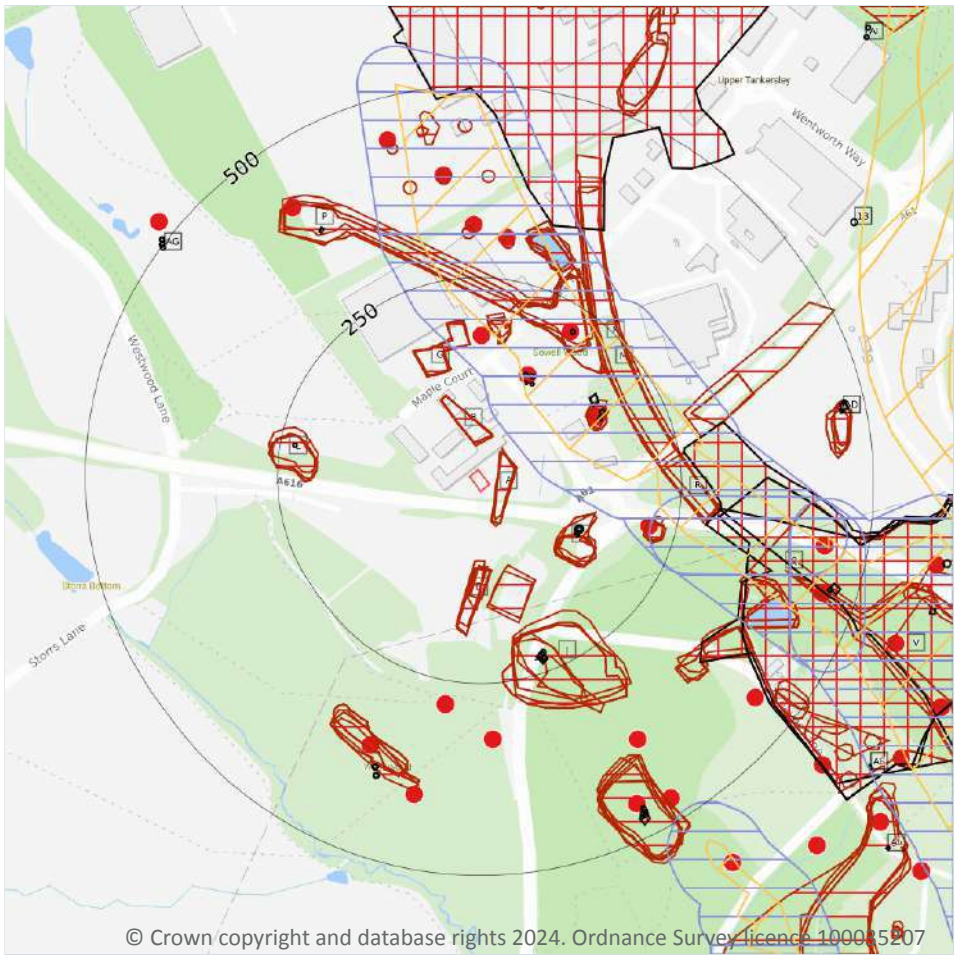
The potential hazard presented by ground dissolution, which occurs when water passing through soluble rocks produces underground cavities and cave systems. These cavities reduce support to the ground above and can cause localised collapse of the overlying rocks and deposits.

Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on **page 97 >**

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

This data is sourced from the British Geological Survey.

18 Mining and ground workings



Site Outline

Search buffers in metres (m)

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

Non Coal Mining

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

18.1 BritPits

Records within 500m	20

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 99 >**

ID	Location	Details	Description
F	138m NE	Name: Sowell Pit Address: Tankersley, HOYLAND, South 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
H	165m NE	Name: Catnob Pit Address: Tankersley, HOYLAND, South 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
I	174m N	Name: Sowell Wood Ironstone Pits Address: Tankersley, HOYLAND, South Yorkshire Commodity: Ironstone 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
O	214m E	Name: West Wood Ironstone Pits Address: Tankersley, HOYLAND, South Yorkshire Commodity: Ironstone Status: Ceased	Type: Working is wholly underground, access by shaft, adit or drift. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun Ee - Scots) Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
C	215m NE	Name: Sowell Wood Ironstone Pits Address: Tankersley, HOYLAND, South Yorkshire Commodity: Ironstone Status: Ceased	Type: Working is wholly underground, access by shaft, adit or drift. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun Ee - Scots) Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority

ID	Location	Details	Description
4	280m S	Name: Westwood Colliery Address: Tankersley, HOYLAND, South 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
K	304m N	Name: West Wood Ironstone Pits Address: Tankersley, HOYLAND, South Yorkshire Commodity: Ironstone 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
K	319m N	Name: West Wood Ironstone Pits Address: Tankersley, HOYLAND, South Yorkshire Commodity: Ironstone 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
5	322m S	Name: West Wood Ironstone Pits Address: Tankersley, HOYLAND, South Yorkshire Commodity: Ironstone 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
W	360m S	Name: West Wood Address: Tankersley, HOYLAND, South Yorkshire Commodity: Sandstone Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority