

| 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 ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

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

| ID | Location | Land use         | Dates present | Group ID |
|----|----------|------------------|---------------|----------|
| 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 ungrouped 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 ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

*This data is sourced from Ordnance Survey / Groundsure.*



## 1.5 Historical garages

Records within 500m

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 ungrouped 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

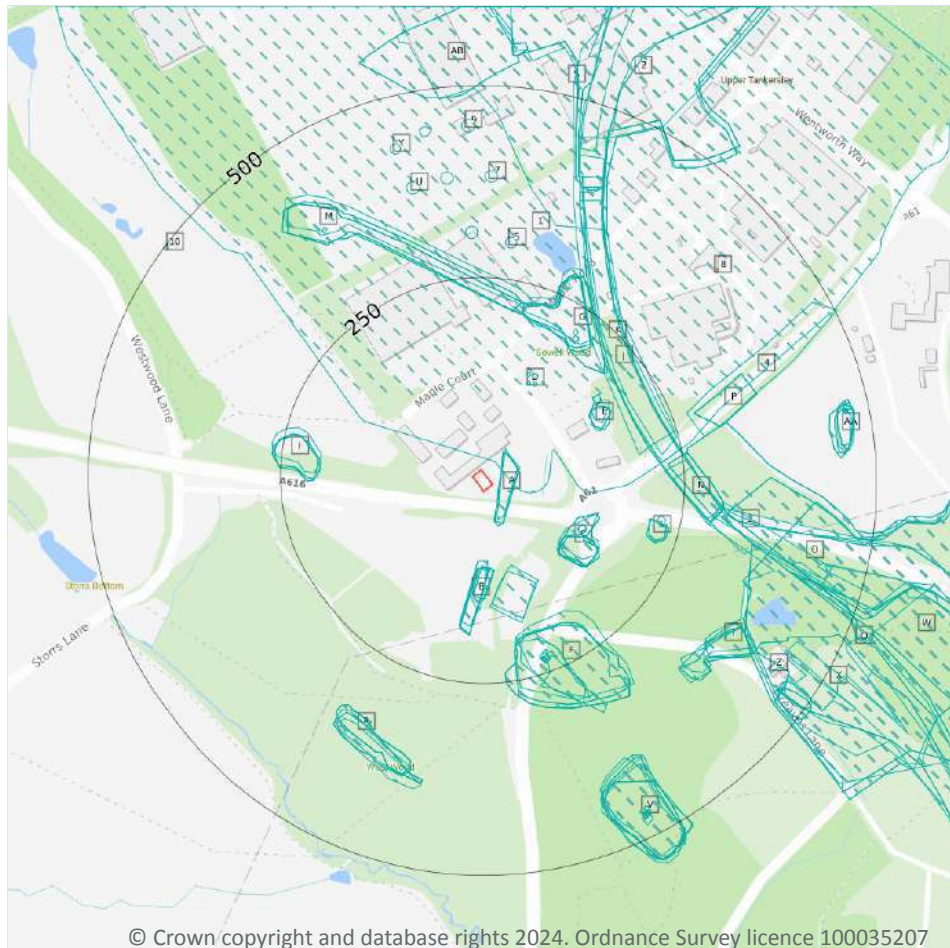
0

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

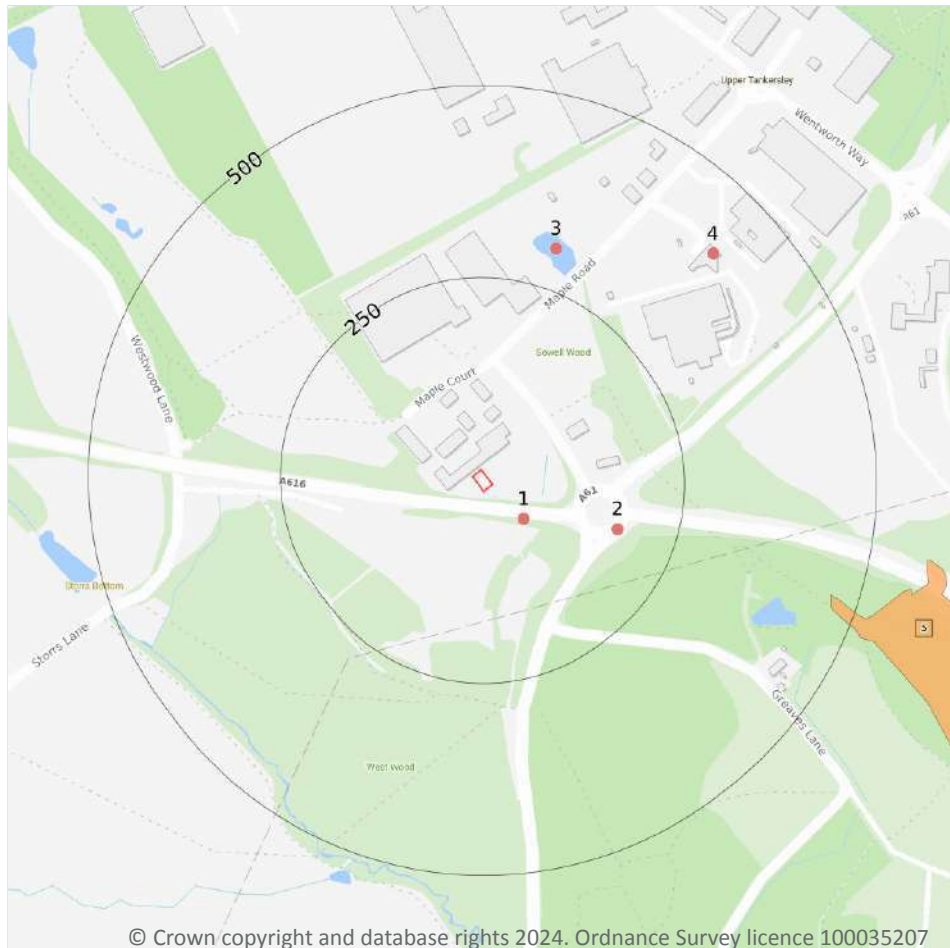
**Records within 500m****0**

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

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### 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:<br>N/A | Type of Site: Ground Workings and Refuse Heap<br>Planning application reference: N/A<br>Description: N/A<br>Data source: Historic Mapping<br>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

|                            |          |
|----------------------------|----------|
| <b>Records within 500m</b> | <b>4</b> |
|----------------------------|----------|

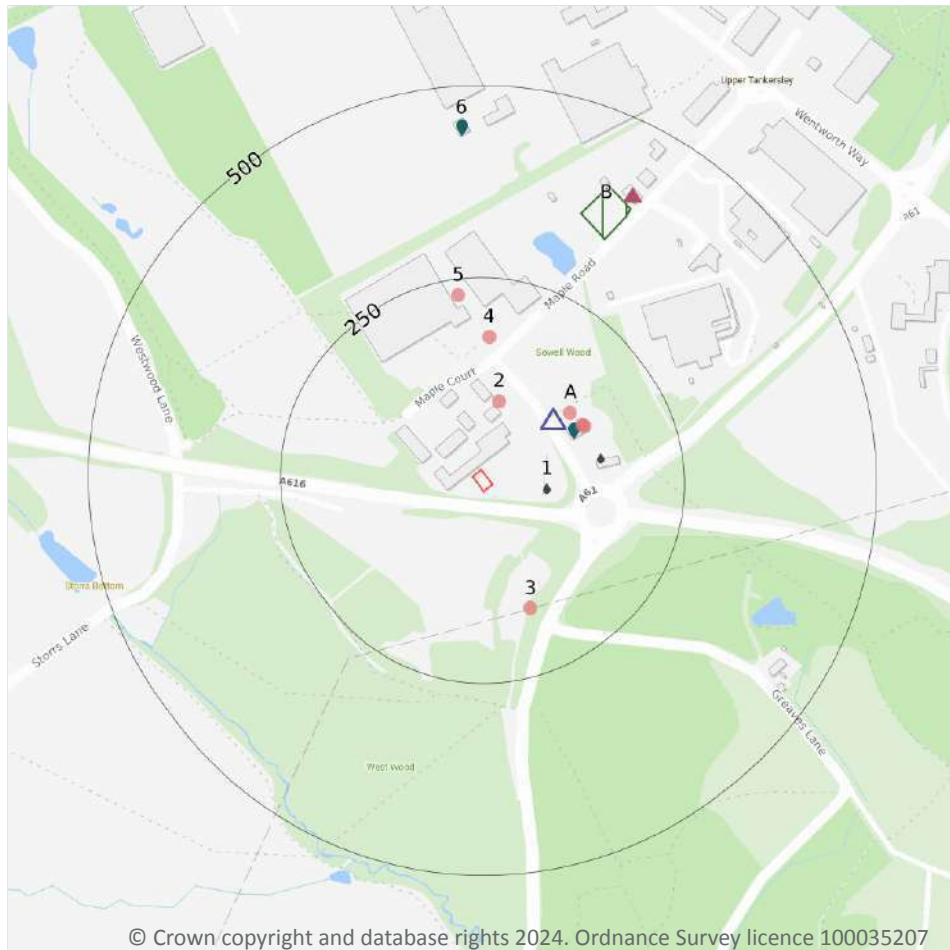
Activities involving the storage, treatment, use or disposal of waste that are exempt from needing a permit. Exemptions have specific limits and conditions that must be adhered to.

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<br>Tankersley South Yorkshire<br>S75 3dp              | EPR/FF0405NA<br>/A001 | Using waste<br>exemption           | Non-agricultural<br>waste only | Use of waste in<br>construction                    |
| 2  | 173m E   | -                                                                         | WEX249878             | Using waste<br>exemption           | Not on a farm                  | Use of waste in<br>construction                    |
| 3  | 303m N   | -                                                                         | WEX394295             | Disposing of<br>waste<br>exemption | Not on a farm                  | Deposit of waste from<br>dredging of inland waters |
| 4  | 411m NE  | Dx Network Services Ltd,<br>Maple Drive, Tankersley,<br>Barnsley, S75 3dj | WEX291098             | Storing waste<br>exemption         | Not on a farm                  | Storage of waste in a secure<br>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

|                            |          |
|----------------------------|----------|
| <b>Records within 500m</b> | <b>1</b> |
|----------------------------|----------|

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

|                            |          |
|----------------------------|----------|
| <b>Records within 500m</b> | <b>0</b> |
|----------------------------|----------|

High voltage underground electricity transmission cables.

*This data is sourced from National Grid.*

## 4.4 Gas pipelines

|                            |          |
|----------------------------|----------|
| <b>Records within 500m</b> | <b>0</b> |
|----------------------------|----------|

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<br>, Barnsley, S.Yorks,<br>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<br>Application status: Historical Consent<br>Application date: No Details<br>Address: Jimmy's Wholesale Fireworks Ltd, Wentworth Business Park, Maple Road, Tankersley, Barnsley, South Yorkshire, England, S75 3DL | Details: No Details<br>Enforcement: No Details<br>Date of enforcement: No Details<br>Comment: No Details |

*This data is sourced from Local Authority records.*

## 4.9 Historical licensed industrial activities (IPC)

|                            |          |
|----------------------------|----------|
| <b>Records within 500m</b> | <b>0</b> |
|----------------------------|----------|

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))

|                            |          |
|----------------------------|----------|
| <b>Records within 500m</b> | <b>0</b> |
|----------------------------|----------|

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)

|                            |          |
|----------------------------|----------|
| <b>Records within 500m</b> | <b>2</b> |
|----------------------------|----------|

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<br>Status: Current Permit<br>Permit Type: Part B | Enforcement: No Enforcement Notified<br>Date of enforcement: No Enforcement Notified<br>Comment: No Enforcement Notified    |
| 6  | 446m N   | Mercedes Benz (UK) Ltd, Wentworth Way, Tankersley, Barnsley, S75 3DH        | Process: Respraying of Road Vehicles<br>Status: Historical Permit<br>Permit Type: Part B                       | Enforcement: No Enforcements Notified<br>Date of enforcement: No Enforcements Notified<br>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,<br>WENTWORTH PARK,<br>TANKERSLEY                                       | Effluent Type: SEWAGE DISCHARGES -<br>PUMPING STATION - WATER<br>COMPANY<br>Permit Number: WRA7300<br>Permit Version: 1<br>Receiving Water: TRIB OF<br>BLACKBURN BROOK | Status: NEW CONSENT, BY<br>APPLICATION (WRA 91, SECTION 88)<br>Issue date: 05/02/1997<br>Effective Date: 05/02/1997<br>Revocation Date: - |
| A  | 144m E   | DISCHARGE TO TRIB OF<br>BLACKBURN BROOK, K<br>FROM: WENTWORTH<br>OPENCASE COAL S, ITE. | Effluent Type: TRADE DISCHARGES -<br>UNSPECIFIED<br>Permit Number: WA6402<br>Permit Version: 1<br>Receiving Water: -                                                   | Status: REVOKED - UNSPECIFIED<br>Issue date: 19/06/1991<br>Effective Date: 19/06/1991<br>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

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### 5.2 Bedrock aquifer

Records within 500m

1

Aquifer status of groundwater held within bedrock geology.

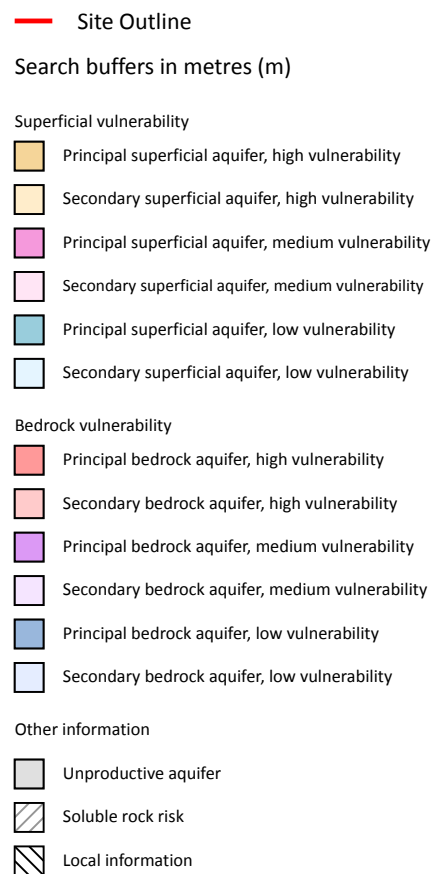
Features are displayed on the Bedrock aquifer map on [page 43](#) >

| 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



### 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  | <b>Summary Classification:</b><br>Secondary bedrock aquifer -<br>Medium Vulnerability<br><b>Combined classification:</b><br>Productive Bedrock Aquifer,<br>No Superficial Aquifer | <b>Leaching class:</b> Low<br><b>Infiltration value:</b><br><40%<br><b>Dilution value:</b> 300-<br>550mm/year | <b>Vulnerability:</b> -<br><b>Aquifer type:</b> -<br><b>Thickness:</b> <3m<br><b>Patchiness value:</b> <90%<br><b>Recharge potential:</b> No<br>Data | <b>Vulnerability:</b> Medium<br><b>Aquifer type:</b> Secondary<br><b>Flow mechanism:</b> Well<br>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

|                        |          |
|------------------------|----------|
| <b>Records on site</b> | <b>0</b> |
|------------------------|----------|

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.*

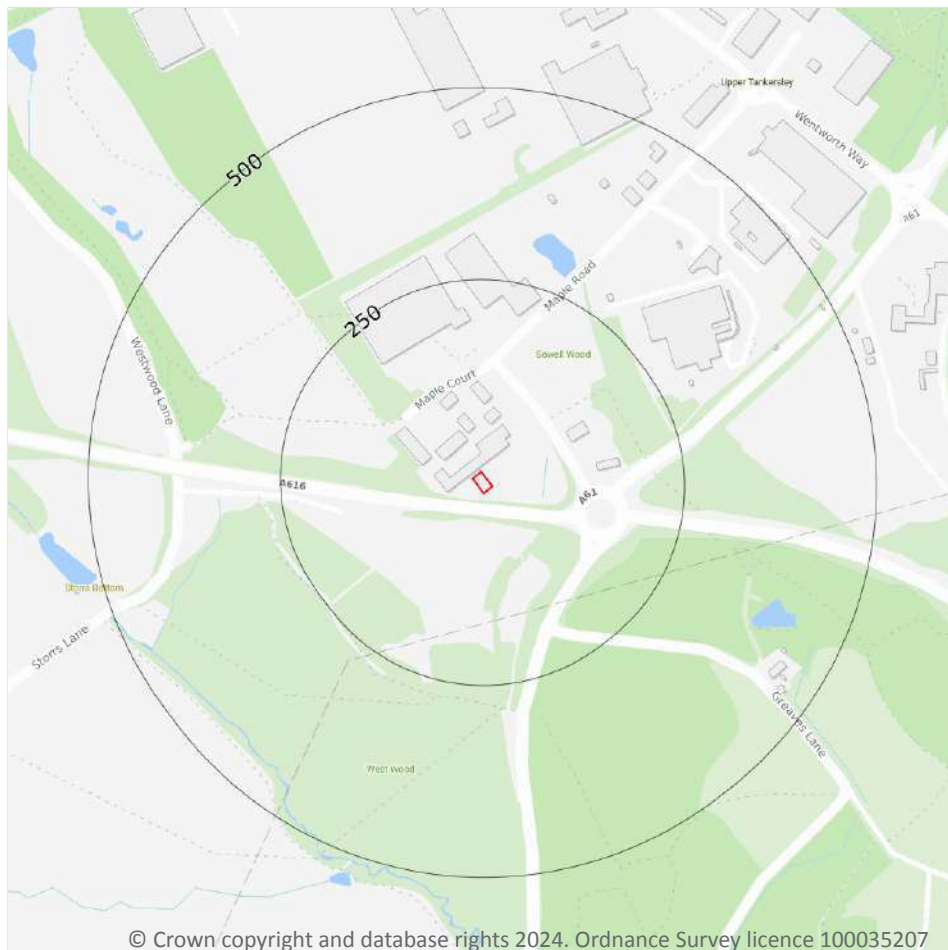
## 5.5 Groundwater vulnerability- local information

|                        |          |
|------------------------|----------|
| <b>Records on site</b> | <b>0</b> |
|------------------------|----------|

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](mailto: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  
Point features
- 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<br>Licence No: 03/28/20/0057<br>Details: General Farming & Domestic<br>Direct Source: Groundwater Midlands Region<br>Point: RED HOUSE FARM, RATCLIFFE CULEY - WELL<br>Data Type: Point<br>Name: MESSRS J D & G G HUNT<br>Easting: 432600<br>Northing: 399600 | Annual Volume (m <sup>3</sup> ): -<br>Max Daily Volume (m <sup>3</sup> ): -<br>Original Application No: -<br>Original Start Date: 13/01/1966<br>Expiry Date: -<br>Issue No: 100<br>Version Start Date: 08/06/1994<br>Version End Date: -        |
| -  | 1263m SW | Status: Historical<br>Licence No: 2/27/08/132<br>Details: General Farming & Domestic<br>Direct Source: GROUNDWATERS<br>Point: BOREHOLE-COAL MEASURES-HOLLY HOUSE FARM<br>Data Type: Point<br>Name: FIRTH<br>Easting: 432870<br>Northing: 397990                                 | Annual Volume (m <sup>3</sup> ): -<br>Max Daily Volume (m <sup>3</sup> ): -<br>Original Application No: -<br>Original Start Date: 26/06/2003<br>Expiry Date: 31/03/2017<br>Issue No: 1<br>Version Start Date: 26/06/2003<br>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<br>Licence No: 2/27/06/042<br>Details: General Use Relating To Secondary Category (Low Loss)<br>Direct Source: SURFACE WATER<br>Point: DEVIL'S BRIDGE POND - THORNCLIFFE<br>Data Type: Point<br>Name: SPIRE SHEFFIELD LTD<br>Easting: 434600<br>Northing: 397900 | Annual Volume (m <sup>3</sup> ): 18184<br>Max Daily Volume (m <sup>3</sup> ): 545.53<br>Original Application No: -<br>Original Start Date: 17/03/1966<br>Expiry Date: -<br>Issue No: 101<br>Version Start Date: 30/09/1999<br>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

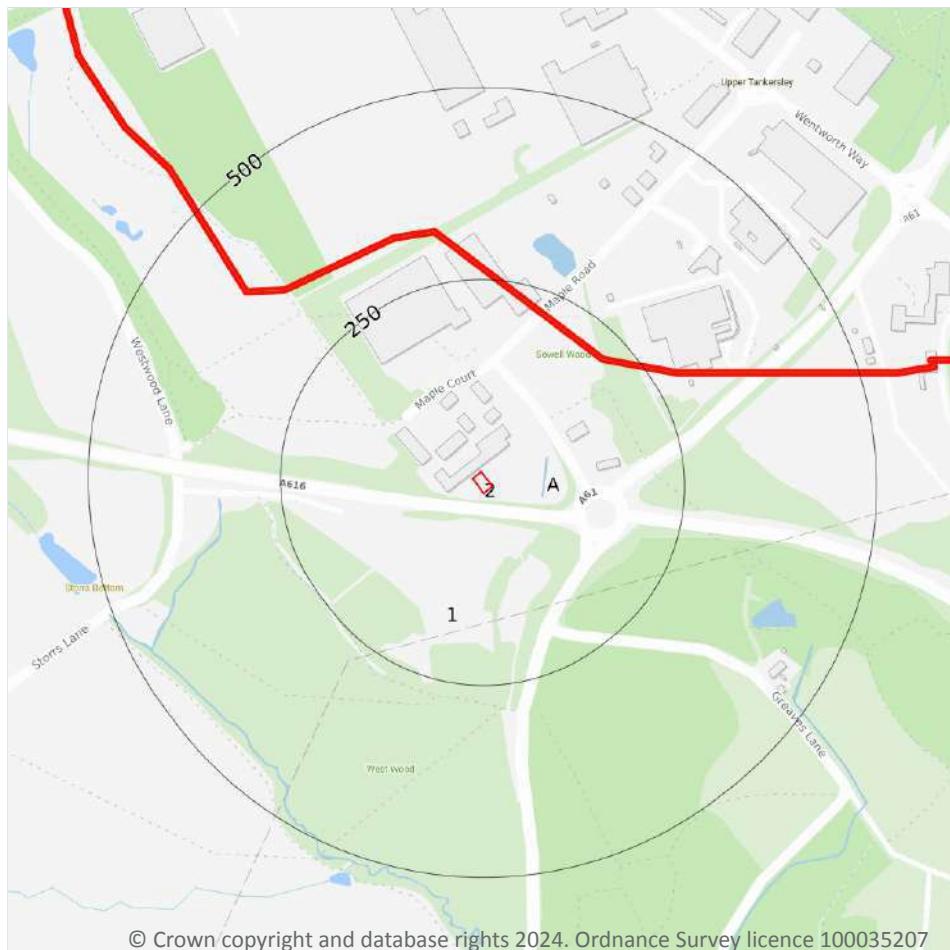
0

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 | <a href="#">GB104027057440 ↗</a> | Moderate       | Fail            | Moderate          | 2019 |

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

## 6.5 WFD Groundwater bodies

|                        |          |
|------------------------|----------|
| <b>Records on site</b> | <b>1</b> |
|------------------------|----------|

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 | <a href="#">GB40402G992300 ↗</a> | 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.

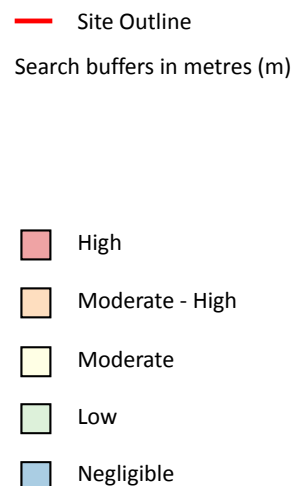
The data shown on the map and in the table above shows the highest likelihood of flood events happening at the site. Lower likelihood events may have greater flood depths and hence a greater potential impact on a site. The table below shows the maximum flood depths for a range of return periods for the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



### 9.1 Groundwater flooding

Highest risk on site

Negligible

Highest risk within 50m

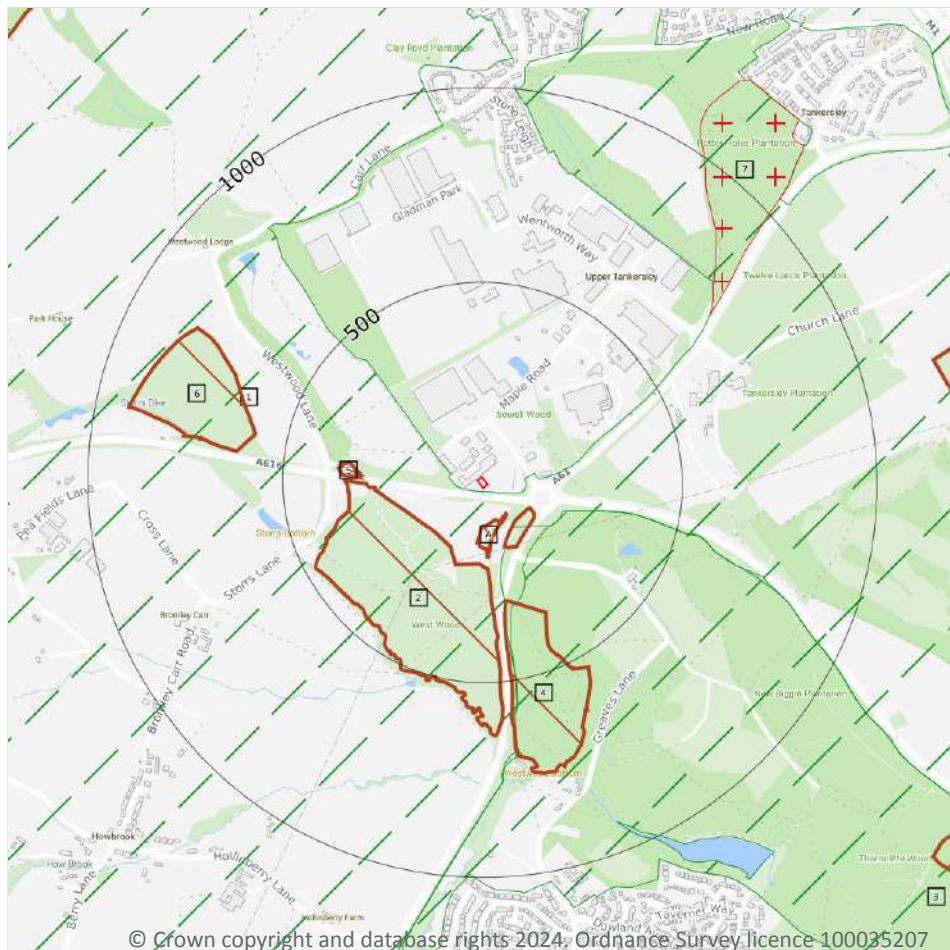
Negligible

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 Ambiantal Risk Analytics.*

## 10 Environmental designations



- Site Outline
- Search buffers in metres (m)
- + Local Nature Reserves (LNR)
- Designated Ancient Woodland
- Green Belt

### 10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m

0

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

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

## 10.2 Conserved wetland sites (Ramsar sites)

**Records within 2000m****0**

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

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

## 10.3 Special Areas of Conservation (SAC)

**Records within 2000m****0**

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

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

## 10.4 Special Protection Areas (SPA)

**Records within 2000m****0**

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

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

## 10.5 National Nature Reserves (NNR)

**Records within 2000m****0**

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

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

## 10.6 Local Nature Reserves (LNR)

### Records within 2000m

**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**

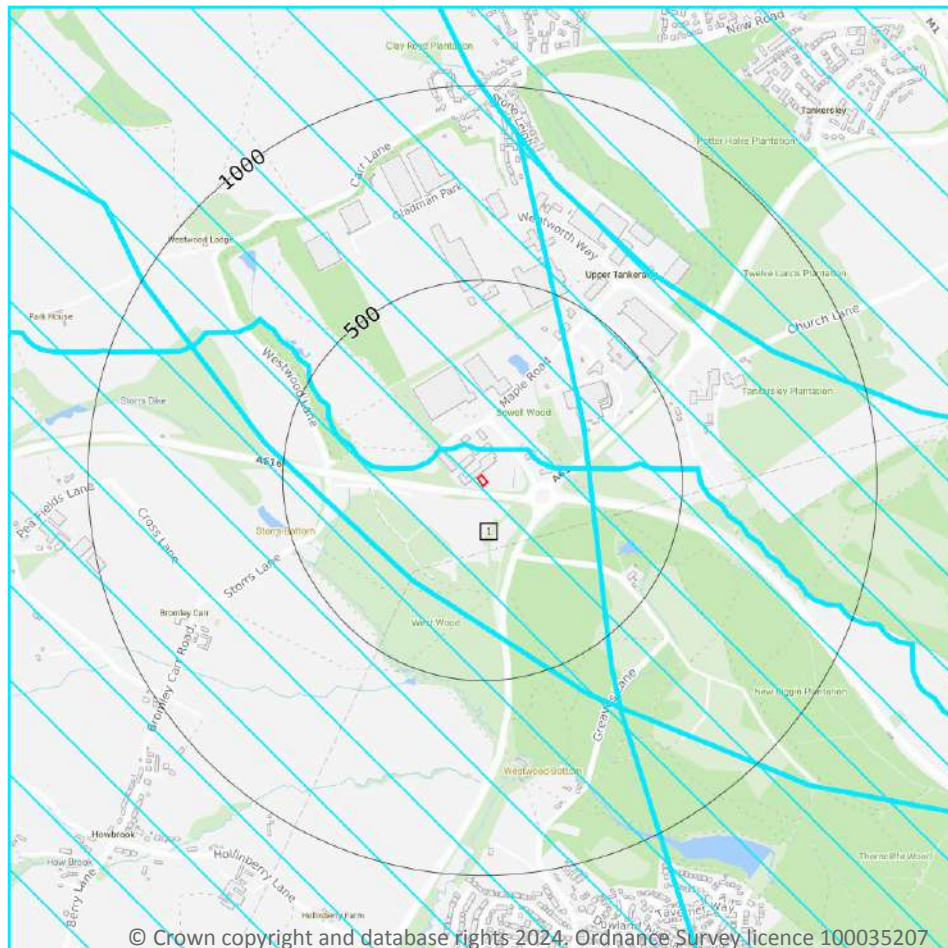
Areas at risk from agricultural nitrate pollution designated under the EC Nitrate Directive (91/676/EEC). These are areas of land that drain into waters polluted by nitrates. Farmers operating within these areas have to follow mandatory rules to tackle nitrate loss from agriculture.

| 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



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

### 10.17 SSSI Impact Risk Zones

#### Records on site

1

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

Features are displayed on the SSSI Impact Zones and Units map on [page 63](#) >

| ID | Location | Type of developments requiring consultation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|----|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1  | On site  | <p>Infrastructure - Airports, helipads and other aviation proposals.</p> <p>Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, Review of Minerals Permissions (ROMP), extensions, variations to conditions etc. Oil &amp; gas exploration/extraction.</p> <p>Air pollution - Livestock &amp; poultry units with floorspace &gt; 500m<sup>2</sup>, slurry lagoons &amp; digestate stores &gt; 750m<sup>2</sup>, manure stores &gt; 3500t.</p> <p>Combustion - General combustion processes &gt;50MW energy input. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion.</p> |

*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

|                            |          |
|----------------------------|----------|
| <b>Records within 250m</b> | <b>1</b> |
|----------------------------|----------|

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

|                            |          |
|----------------------------|----------|
| <b>Records within 250m</b> | <b>0</b> |
|----------------------------|----------|

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**

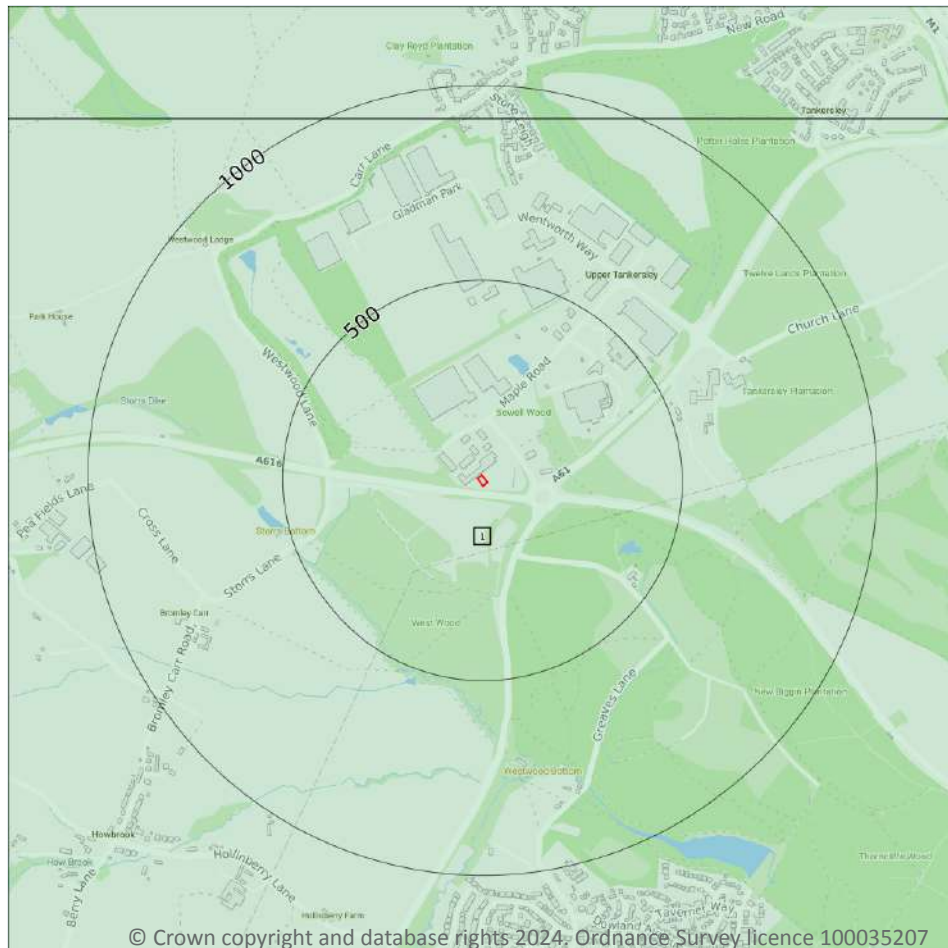
**0**

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.

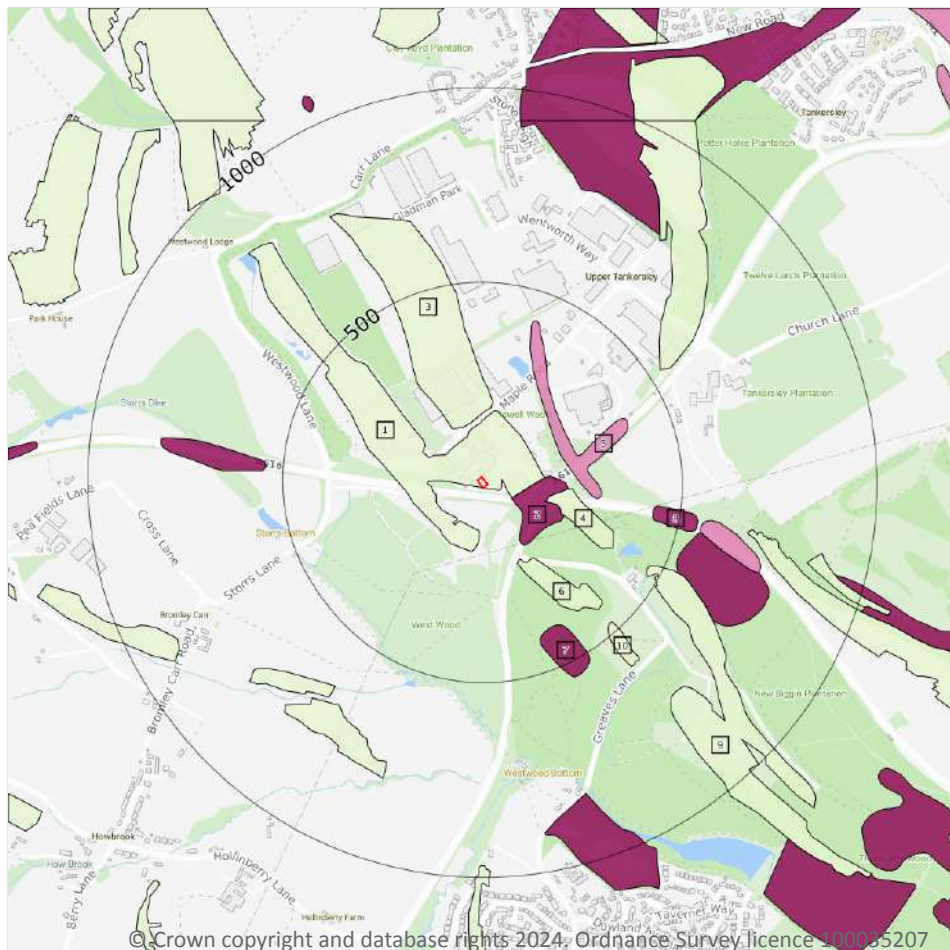
Features are displayed on the Geology 1:10,000 scale - Availability map on [page 72](#) >

| 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

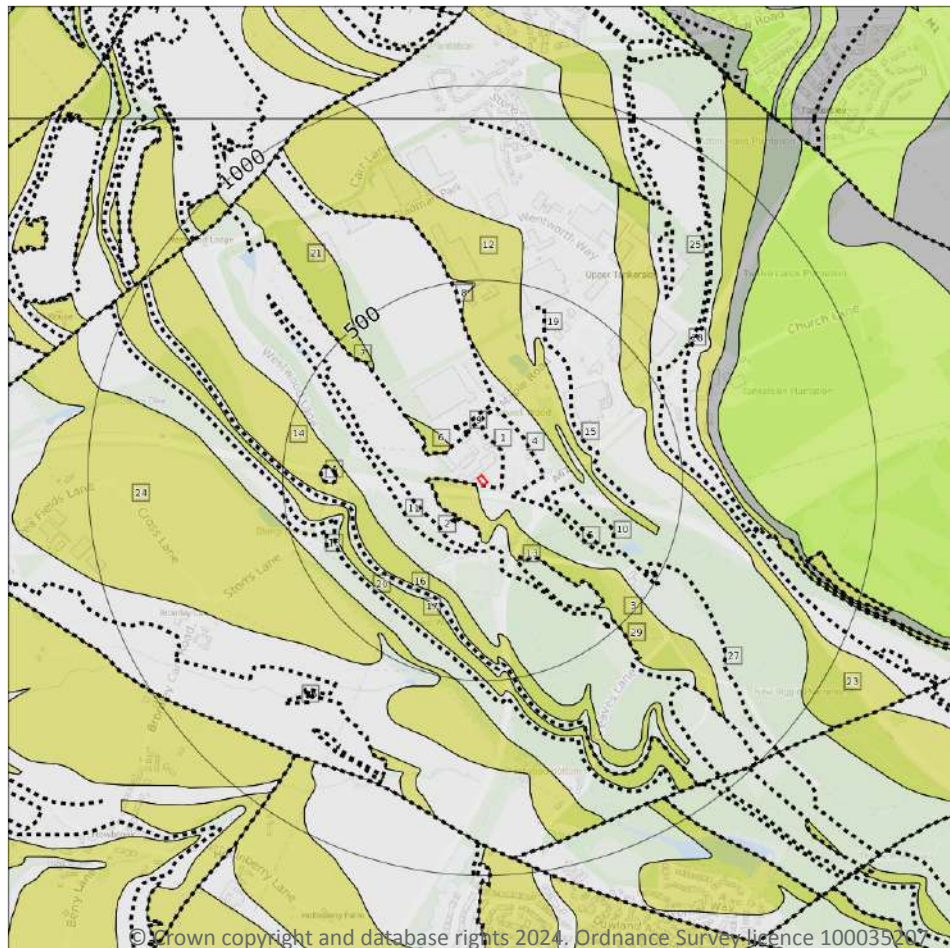
0

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                |
|----------|----------------|-------------|----------------------------|
| <b>2</b> | <b>On site</b> | <b>ROCK</b> | <b>Coal seam, observed</b> |
| 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        |

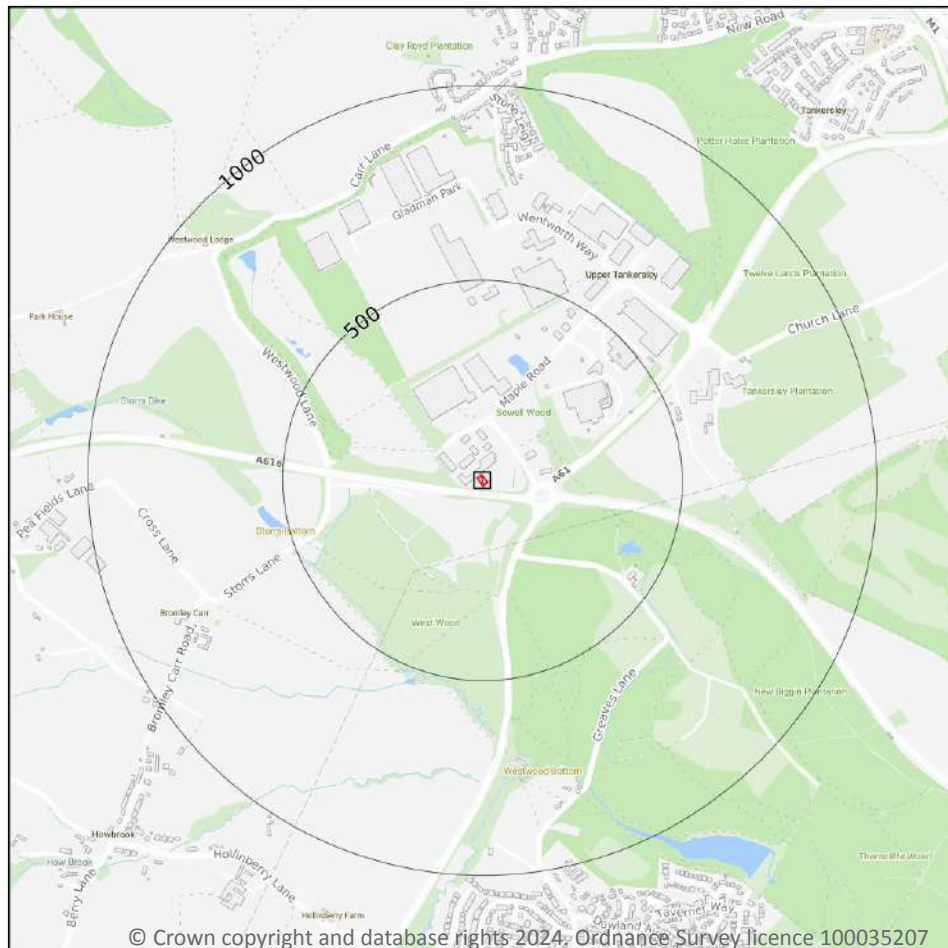


| ID | Location | Category | Description         |
|----|----------|----------|---------------------|
| 11 | 160m S   | ROCK     | Coal seam, inferred |
| 13 | 206m SE  | ROCK     | Coal seam, observed |
| 15 | 266m NE  | ROCK     | Coal seam, inferred |
| 16 | 310m SW  | ROCK     | Coal seam, inferred |
| 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.

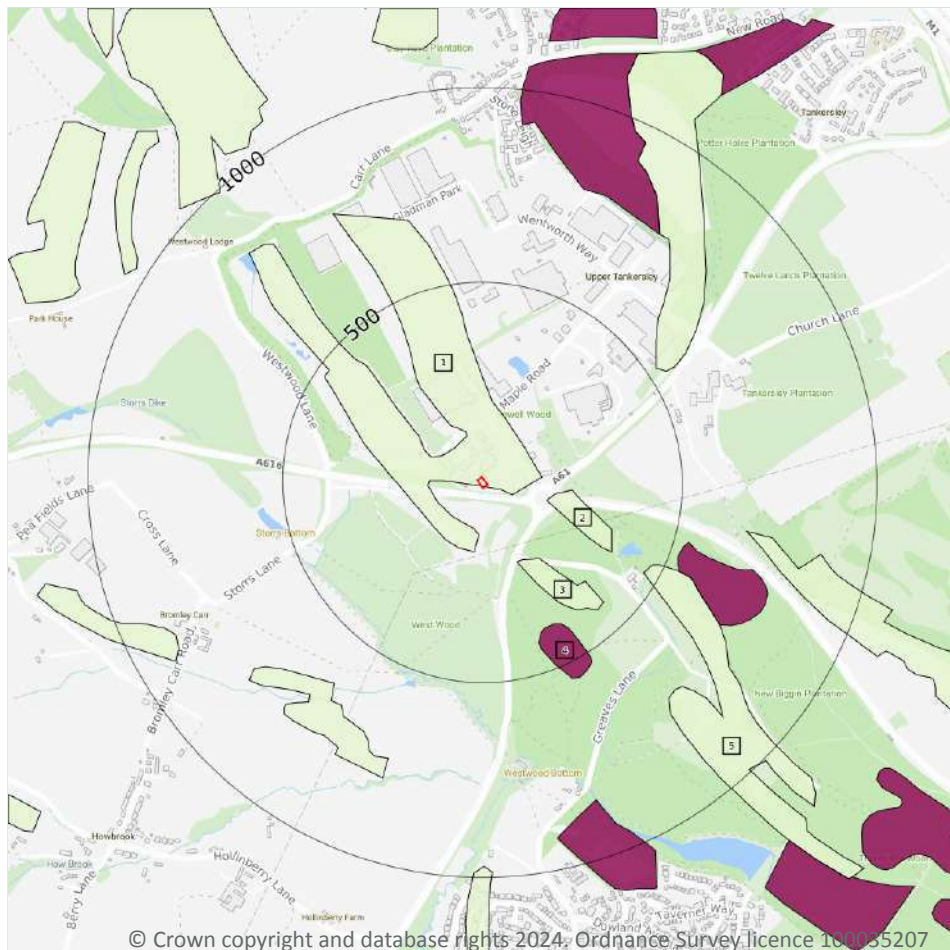
Features are displayed on the Geology 1:50,000 scale - Availability map on [page 79](#) >

| 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

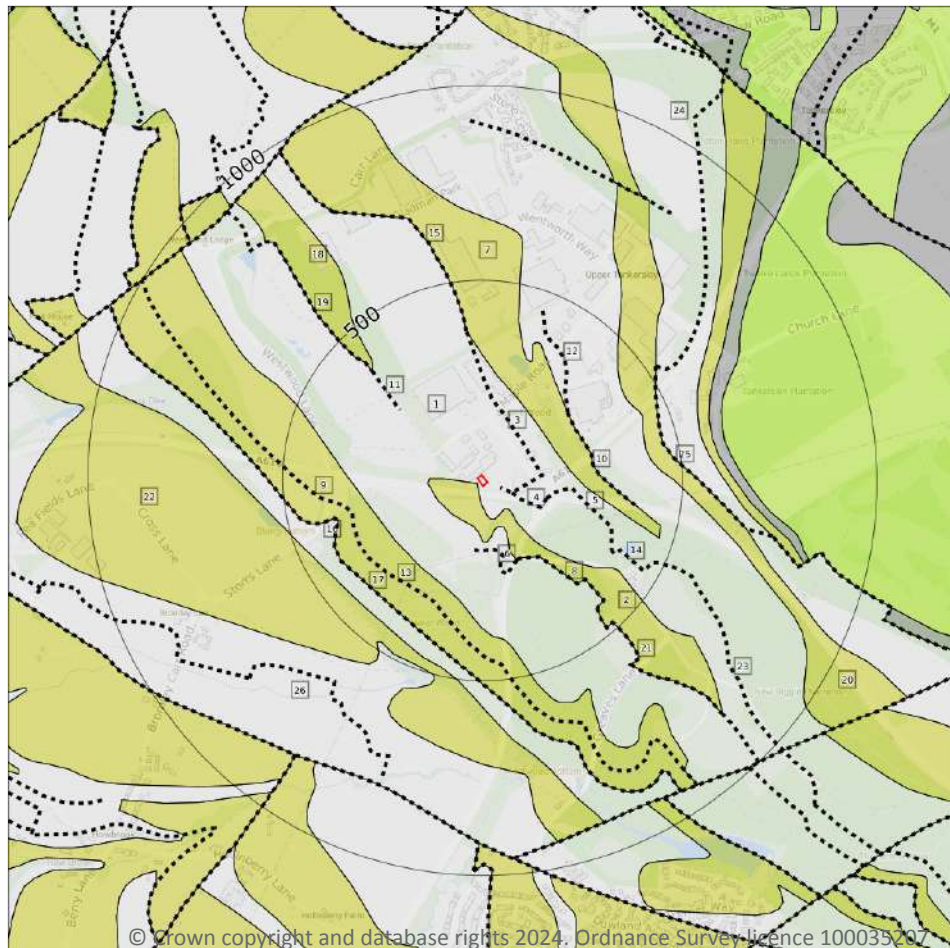
0

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)

|                           |          |
|---------------------------|----------|
| <b>Records within 50m</b> | <b>2</b> |
|---------------------------|----------|

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 |
|----------------|-----------------|----------------------|----------------------|
| <b>On site</b> | <b>Fracture</b> | <b>Moderate</b>      | <b>Low</b>           |
| 9m SW          | Fracture        | High                 | Moderate             |

*This data is sourced from the British Geological Survey.*

## 15.10 Bedrock faults and other linear features (50k)

|                            |           |
|----------------------------|-----------|
| <b>Records within 500m</b> | <b>16</b> |
|----------------------------|-----------|

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 |

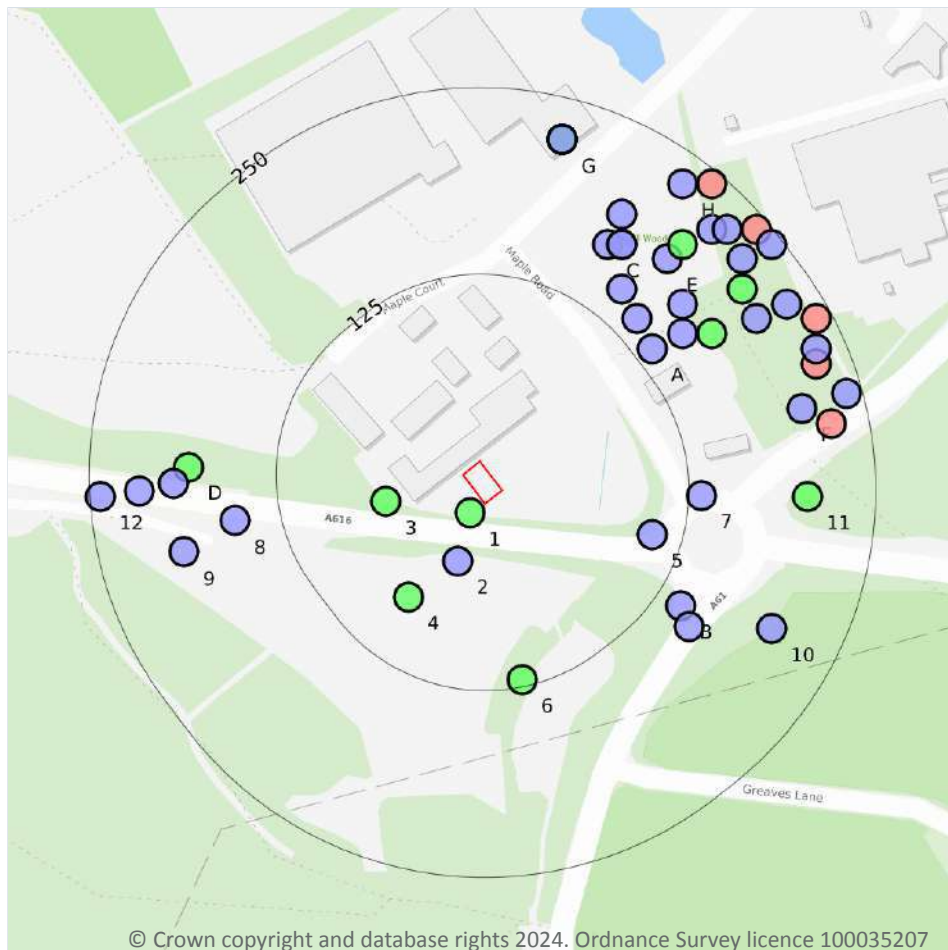


| ID | Location | Category | Description         |
|----|----------|----------|---------------------|
| 4  | 69m E    | ROCK     | Coal seam, inferred |
| 5  | 157m E   | ROCK     | Coal seam, inferred |
| 6  | 165m S   | ROCK     | Coal seam, inferred |
| 8  | 208m SE  | ROCK     | Coal seam, inferred |
| 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            | <a href="#">215549</a> ↗ |
| 2  | 42m S    | 433530 399018  | A616 WORTLEY TO M1 TP716 | 1.7    | N            | <a href="#">215548</a> ↗ |
| 3  | 55m W    | 433482 399058  | A616 WORTLEY TO M1 BH622 | 17.82  | N            | <a href="#">215546</a> ↗ |



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



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

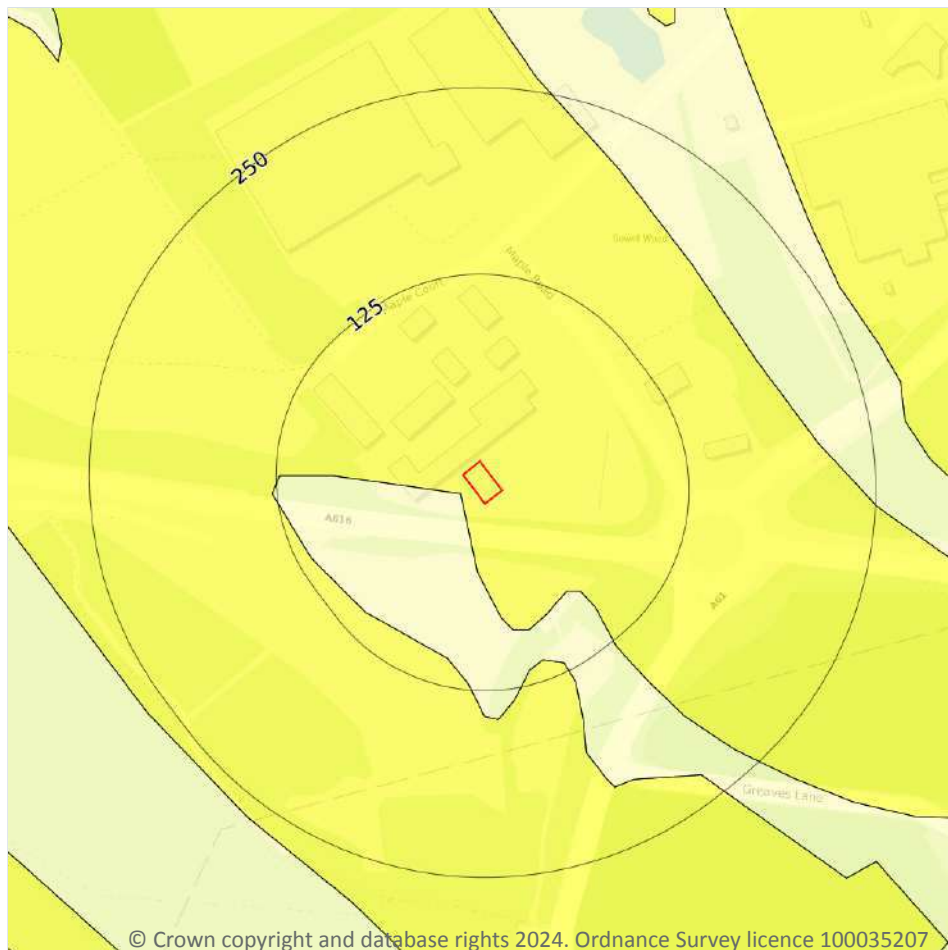


| ID | Location | Grid reference | Name                      | Length | Confidential | Web link                 |
|----|----------|----------------|---------------------------|--------|--------------|--------------------------|
| E  | 240m NE  | 433770 399180  | TANKERSLEY,SHEFFIELD 9    | 47.0   | N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

*This data is sourced from the British Geological Survey.*



## 17 Natural ground subsidence - Shrink swell clays



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

### 17.1 Shrink swell clays

#### Records within 50m

2

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

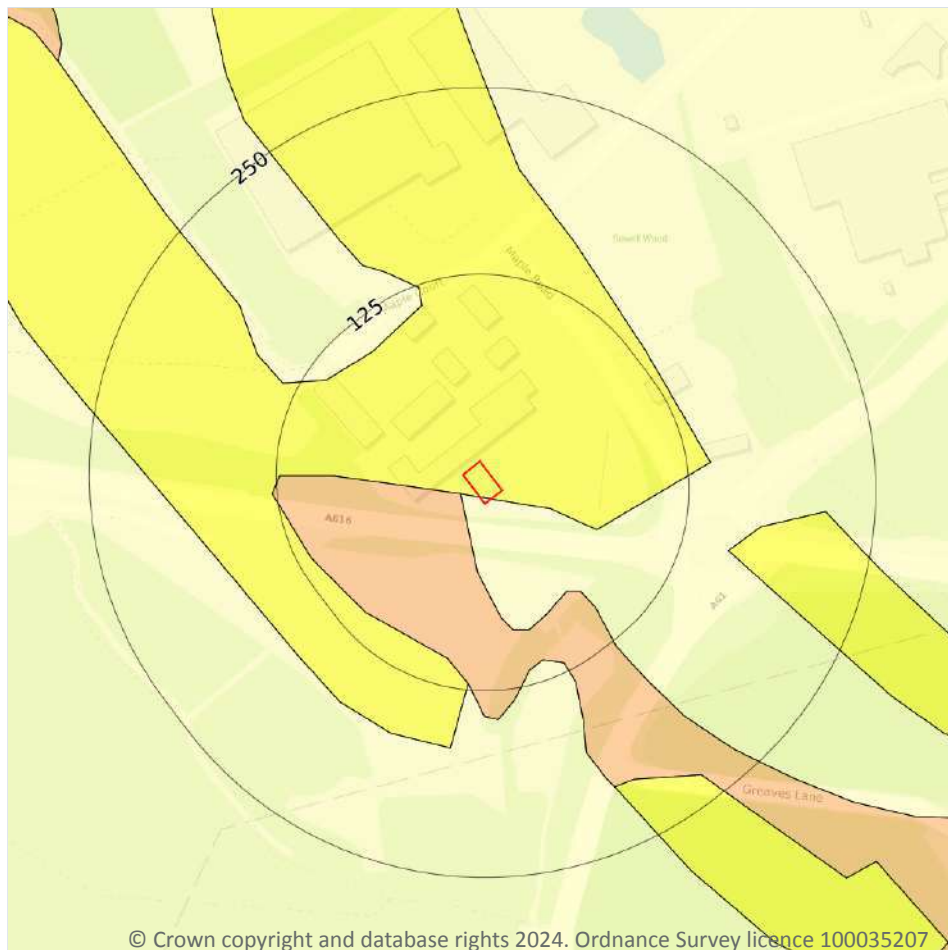
Features are displayed on the Natural ground subsidence - Shrink swell clays map on [page 90](#) >

| 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. |

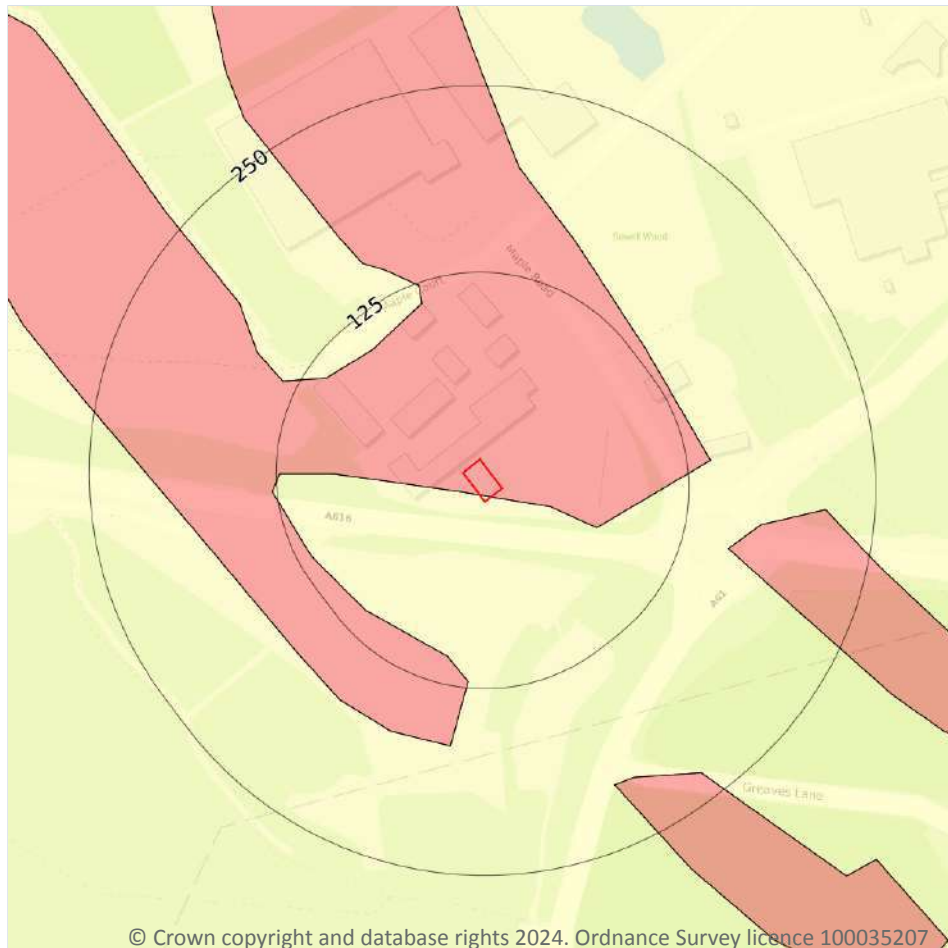


| Location | Hazard rating | Details                                                                                                                                 |
|----------|---------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| 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.

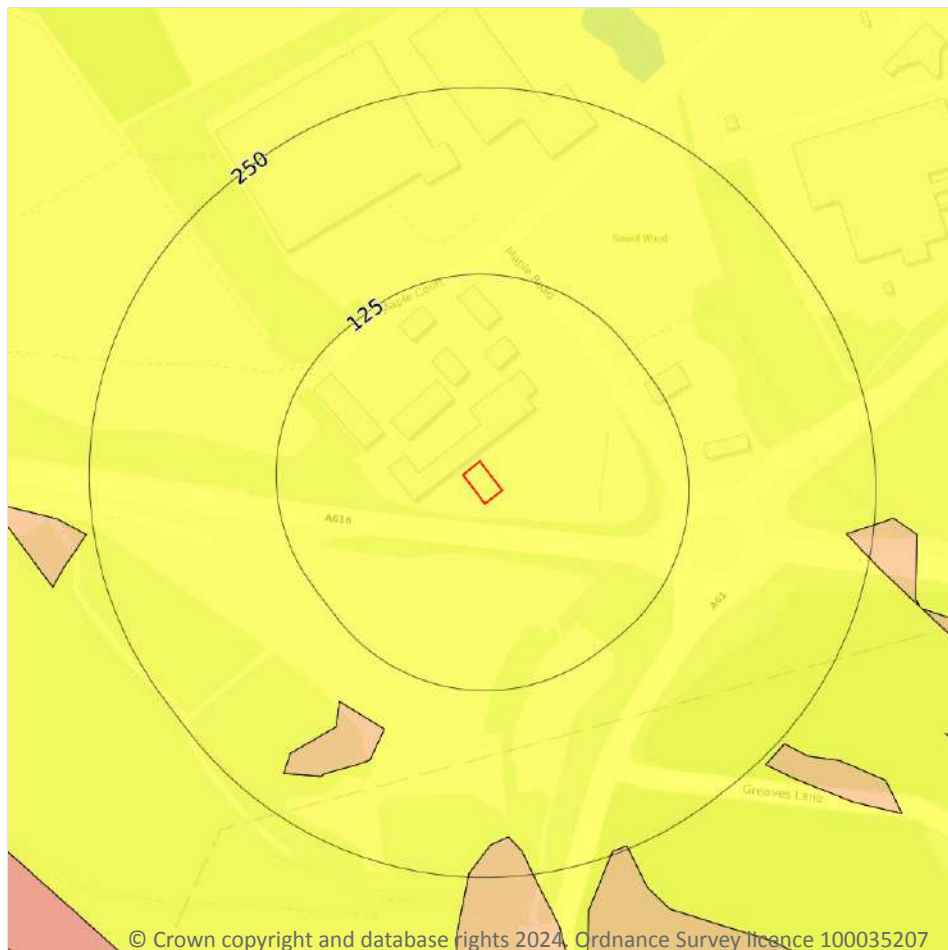
Features are displayed on the Natural ground subsidence - Collapsible deposits map on [page 95 >](#)

| 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.

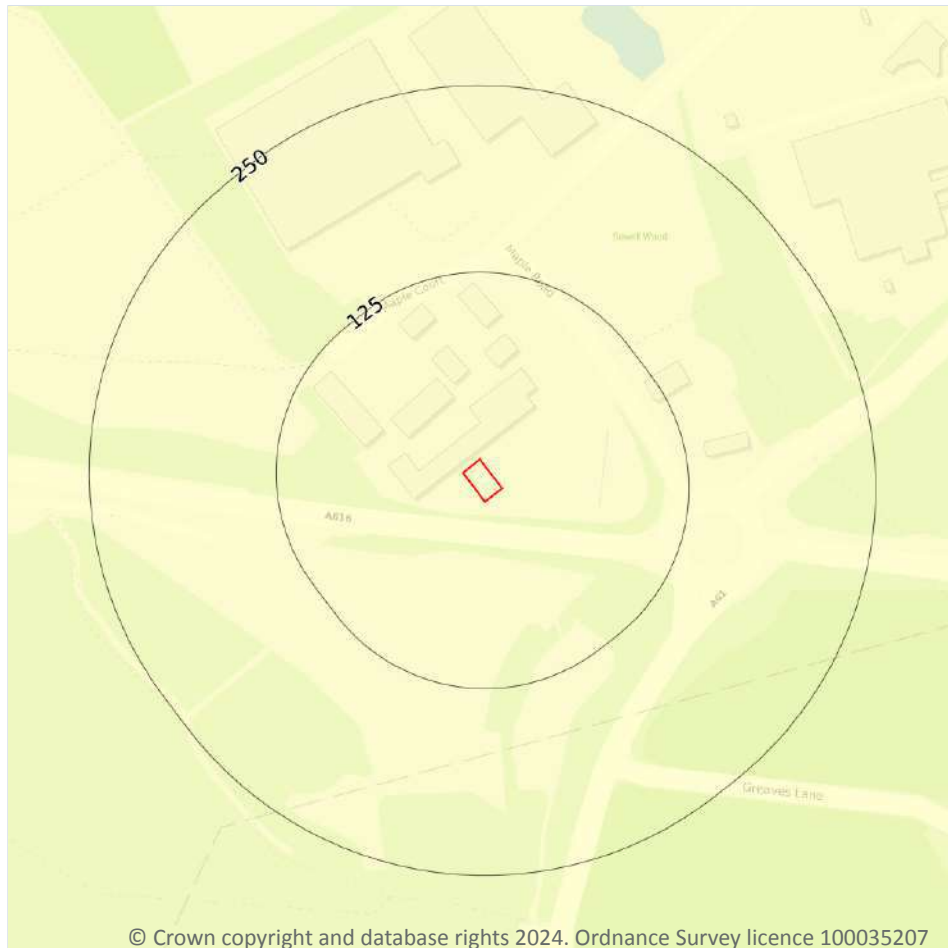
Features are displayed on the Natural ground subsidence - Landslides map on [page 96](#) >

| 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](#)

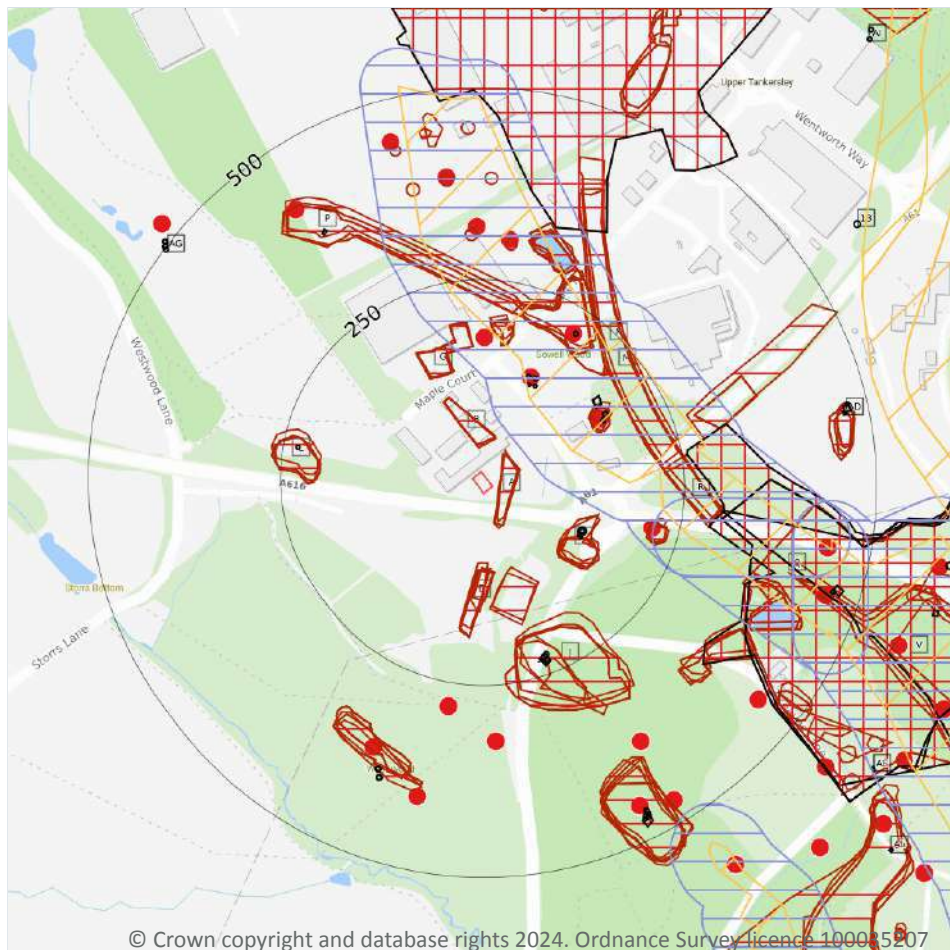
| Location | Hazard rating | Details                                                                                                                                             |
|----------|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| 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<br>Address: Tankersley, HOYLAND, South Yorkshire<br>Commodity: Coal, Deep<br>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)<br>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<br>Address: Tankersley, HOYLAND, South Yorkshire<br>Commodity: Coal, Deep<br>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)<br>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<br>Address: Tankersley, HOYLAND, South Yorkshire<br>Commodity: Ironstone<br>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)<br>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<br>Address: Tankersley, HOYLAND, South Yorkshire<br>Commodity: Ironstone<br>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)<br>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<br>Address: Tankersley, HOYLAND, South Yorkshire<br>Commodity: Ironstone<br>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)<br>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<br>Address: Tankersley, HOYLAND, South Yorkshire<br>Commodity: Coal, Deep<br>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)<br>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<br>Address: Tankersley, HOYLAND, South Yorkshire<br>Commodity: Ironstone<br>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)<br>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<br>Address: Tankersley, HOYLAND, South Yorkshire<br>Commodity: Ironstone<br>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)<br>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<br>Address: Tankersley, HOYLAND, South Yorkshire<br>Commodity: Ironstone<br>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)<br>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<br>Address: Tankersley, HOYLAND, South Yorkshire<br>Commodity: Sandstone<br>Status: Ceased                | Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site<br>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                                                                                                                                                                                                                                                                                                                                                                                                        |
|----|----------|----------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 9  | 382m SE  | Name: West Wood Ironstone Pits<br>Address: Tankersley, HOYLAND, South Yorkshire<br>Commodity: Ironstone<br>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)<br>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 |
| Y  | 385m N   | Name: West Wood Ironstone Pits<br>Address: Tankersley, HOYLAND, South Yorkshire<br>Commodity: Ironstone<br>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)<br>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 |
| 10 | 403m S   | Name: Westwood<br>Address: Tankersley, HOYLAND, South Yorkshire<br>Commodity: Sandstone<br>Status: Ceased                  | Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site<br>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                                                                           |
| Z  | 417m NW  | Name: Balance Pit<br>Address: Tankersley, HOYLAND, South Yorkshire<br>Commodity: Coal, Deep<br>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)<br>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 |
| S  | 442m E   | Name: Tankersley Ironstone Pits<br>Address: Tankersley, HOYLAND, South Yorkshire<br>Commodity: Ironstone<br>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)<br>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                                                                                                                                                                                                                                                                                                                                                                                                        |
|----|----------|-----------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| AC | 443m SE  | Name: West Wood Ironstone Pits<br>Address: High Green, Chapeltown, SHEFFIELD, South Yorkshire<br>Commodity: Ironstone<br>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)<br>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 |
| AB | 444m N   | Name: West Wood Ironstone Pits<br>Address: Tankersley, HOYLAND, South Yorkshire<br>Commodity: Ironstone<br>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)<br>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 |
| AA | 454m SE  | Name: West Wood Ironstone Pits<br>Address: Tankersley, HOYLAND, South Yorkshire<br>Commodity: Ironstone<br>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)<br>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 |
| S  | 455m E   | Name: Tankersley Ironstone Pits<br>Address: Tankersley, HOYLAND, South Yorkshire<br>Commodity: Ironstone<br>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)<br>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 |
| AA | 469m SE  | Name: West Wood Ironstone Pits<br>Address: Tankersley, HOYLAND, South Yorkshire<br>Commodity: Ironstone<br>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)<br>Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority |

*This data is sourced from the British Geological Survey.*



## 18.2 Surface ground workings

### Records within 250m

**76**

Historical land uses identified from Ordnance Survey mapping that involved ground excavation at the surface. These features may or may not have been subsequently backfilled.

Features are displayed on the Mining and ground workings map on [page 99 >](#)

| ID | Location | Land Use         | Year of mapping | Mapping scale |
|----|----------|------------------|-----------------|---------------|
| A  | 8m E     | Unspecified Heap | 1938            | 1:10560       |
| A  | 10m E    | Unspecified Heap | 1948            | 1:10560       |
| A  | 10m E    | Unspecified Heap | 1948            | 1:10560       |
| A  | 10m E    | Unspecified Heap | 1951            | 1:10560       |
| B  | 31m N    | Ponds            | 1948            | 1:10560       |
| B  | 35m N    | Pond             | 1938            | 1:10560       |
| B  | 35m N    | Pond             | 1903            | 1:10560       |
| B  | 35m N    | Pond             | 1891            | 1:10560       |
| D  | 91m S    | Unspecified Heap | 1951            | 1:10560       |
| D  | 97m S    | Unspecified Pit  | 1992            | 1:10000       |
| D  | 97m S    | Unspecified Pit  | 1980            | 1:10000       |
| D  | 99m S    | Unspecified Pit  | 1938            | 1:10560       |
| D  | 99m S    | Unspecified Pit  | 1903            | 1:10560       |
| D  | 100m S   | Unspecified Pit  | 1948            | 1:10560       |
| D  | 100m S   | Unspecified Pit  | 1948            | 1:10560       |
| D  | 100m S   | Unspecified Pit  | 1966            | 1:10560       |
| D  | 102m S   | Cuttings         | 1980            | 1:10000       |
| D  | 107m S   | Cuttings         | 1966            | 1:10560       |
| E  | 112m SE  | Unspecified Heap | 1951            | 1:10560       |
| E  | 115m SE  | Unspecified Heap | 1948            | 1:10560       |
| E  | 115m SE  | Unspecified Heap | 1948            | 1:10560       |
| E  | 115m SE  | Unspecified Heap | 1938            | 1:10560       |
| E  | 115m SE  | Unspecified Heap | 1903            | 1:10560       |



| ID | Location | Land Use         | Year of mapping | Mapping scale |
|----|----------|------------------|-----------------|---------------|
| E  | 115m SE  | Unspecified Heap | 1891            | 1:10560       |
| E  | 119m SE  | Unspecified Heap | 1966            | 1:10560       |
| E  | 119m SE  | Unspecified Heap | 1980            | 1:10000       |
| G  | 134m N   | Pond             | 1891            | 1:10560       |
| G  | 134m N   | Ponds            | 1948            | 1:10560       |
| G  | 136m N   | Ponds            | 1938            | 1:10560       |
| G  | 136m N   | Ponds            | 1903            | 1:10560       |
| H  | 151m NE  | Unspecified Heap | 1948            | 1:10560       |
| H  | 151m NE  | Unspecified Heap | 1948            | 1:10560       |
| H  | 153m NE  | Unspecified Heap | 1938            | 1:10560       |
| H  | 153m NE  | Unspecified Heap | 1903            | 1:10560       |
| H  | 158m NE  | Unspecified Heap | 1951            | 1:10560       |
| I  | 166m N   | Pond             | 1948            | 1:10560       |
| I  | 168m N   | Pond             | 1938            | 1:10560       |
| I  | 175m N   | Pond             | 1951            | 1:10560       |
| J  | 185m S   | Refuse Heap      | 1951            | 1:10560       |
| K  | 191m NE  | Refuse Heap      | 1938            | 1:10560       |
| K  | 191m NE  | Refuse Heap      | 1903            | 1:10560       |
| K  | 191m NE  | Refuse Heap      | 1891            | 1:10560       |
| J  | 194m S   | Refuse Heap      | 1948            | 1:10560       |
| J  | 194m S   | Refuse Heap      | 1948            | 1:10560       |
| C  | 194m NE  | Refuse Heap      | 1948            | 1:10560       |
| C  | 194m NE  | Refuse Heap      | 1948            | 1:10560       |
| J  | 195m S   | Refuse Heap      | 1938            | 1:10560       |
| J  | 195m S   | Refuse Heap      | 1903            | 1:10560       |
| J  | 195m S   | Refuse Heap      | 1891            | 1:10560       |
| J  | 196m S   | Refuse Heap      | 1966            | 1:10560       |
| C  | 198m NE  | Unspecified Heap | 1966            | 1:10560       |



| ID | Location | Land Use                    | Year of mapping | Mapping scale |
|----|----------|-----------------------------|-----------------|---------------|
| C  | 198m NE  | Unspecified Heap            | 1980            | 1:10000       |
| L  | 199m W   | Refuse Heap                 | 1948            | 1:10560       |
| L  | 199m W   | Refuse Heap                 | 1948            | 1:10560       |
| L  | 199m W   | Refuse Heap                 | 1951            | 1:10560       |
| M  | 201m NE  | Cuttings                    | 1938            | 1:10560       |
| M  | 201m NE  | Cuttings                    | 1903            | 1:10560       |
| J  | 202m S   | Refuse Heap                 | 1980            | 1:10000       |
| L  | 202m W   | Refuse Heap                 | 1938            | 1:10560       |
| L  | 202m W   | Refuse Heap                 | 1903            | 1:10560       |
| L  | 202m W   | Refuse Heap                 | 1891            | 1:10560       |
| N  | 202m NE  | Cuttings                    | 1891            | 1:10560       |
| M  | 202m NE  | Cuttings                    | 1948            | 1:10560       |
| K  | 205m NE  | Refuse Heap                 | 1951            | 1:10560       |
| N  | 207m NE  | Cuttings                    | 1951            | 1:10560       |
| O  | 210m E   | Old Ironstone Pit           | 1903            | 1:10560       |
| O  | 210m E   | Unspecified Heap            | 1938            | 1:10560       |
| O  | 210m E   | Unspecified Heap            | 1891            | 1:10560       |
| P  | 210m N   | Unspecified Heap            | 1948            | 1:10560       |
| P  | 210m N   | Unspecified Heap            | 1948            | 1:10560       |
| O  | 211m E   | Unspecified Ground Workings | 1948            | 1:10560       |
| O  | 211m E   | Unspecified Ground Workings | 1948            | 1:10560       |
| O  | 219m E   | Unspecified Pit             | 1951            | 1:10560       |
| R  | 225m E   | Cuttings                    | 1891            | 1:10560       |
| R  | 230m E   | Cuttings                    | 1951            | 1:10560       |
| J  | 231m S   | Unspecified Heap            | 1992            | 1:10000       |

*This is data is sourced from Ordnance Survey/Groundsure.*



## 18.3 Underground workings

### Records within 1000m

**91**

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

Features are displayed on the Mining and ground workings map on [page 99 >](#)

| ID | Location | Land Use                  | Year of mapping | Mapping scale |
|----|----------|---------------------------|-----------------|---------------|
| E  | 125m SE  | Disused Air Shaft         | 1966            | 1:10560       |
| E  | 125m SE  | Disused Air Shaft         | 1980            | 1:10000       |
| F  | 127m NE  | Unspecified Old Shafts    | 1938            | 1:10560       |
| F  | 127m NE  | Unspecified Old Shafts    | 1903            | 1:10560       |
| E  | 128m SE  | Air Shaft                 | 1951            | 1:10560       |
| E  | 128m SE  | Air Shaft                 | 1938            | 1:10560       |
| F  | 129m NE  | Unspecified Old Shaft     | 1938            | 1:10560       |
| F  | 129m NE  | Unspecified Old Shafts    | 1903            | 1:10560       |
| E  | 130m SE  | Air Shaft                 | 1903            | 1:10560       |
| F  | 136m NE  | Unspecified Old Shafts    | 1951            | 1:10560       |
| F  | 137m NE  | Unspecified Old Shafts    | 1951            | 1:10560       |
| H  | 166m NE  | Air Shaft                 | 1938            | 1:10560       |
| H  | 166m NE  | Air Shaft                 | 1903            | 1:10560       |
| H  | 169m NE  | Disused Air Shaft         | 1966            | 1:10560       |
| H  | 169m NE  | Air Shaft                 | 1992            | 1:10000       |
| H  | 169m NE  | Disused Air Shaft         | 1980            | 1:10000       |
| H  | 172m NE  | Air Shaft                 | 1951            | 1:10560       |
| C  | 215m NE  | Unspecified Old Shafts    | 1951            | 1:10560       |
| J  | 221m S   | Unspecified Old Shaft     | 1951            | 1:10560       |
| J  | 222m S   | Unspecified Disused Shaft | 1966            | 1:10560       |
| J  | 227m S   | Unspecified Disused Shaft | 1980            | 1:10000       |
| L  | 228m W   | Air Shaft                 | 1903            | 1:10560       |
| J  | 228m S   | Unspecified Old Shaft     | 1938            | 1:10560       |



| ID | Location | Land Use                  | Year of mapping | Mapping scale |
|----|----------|---------------------------|-----------------|---------------|
| J  | 228m S   | Unspecified Old Shaft     | 1903            | 1:10560       |
| 2  | 256m E   | Colliery                  | 1951            | 1:10560       |
| V  | 287m E   | Colliery                  | 1938            | 1:10560       |
| V  | 302m E   | Colliery                  | 1903            | 1:10560       |
| V  | 302m E   | Colliery                  | 1891            | 1:10560       |
| 7  | 332m N   | Colliery                  | 1966            | 1:10560       |
| Z  | 369m NW  | Unspecified Old Shaft     | 1903            | 1:10560       |
| W  | 381m S   | Air Shaft                 | 1966            | 1:10560       |
| W  | 381m S   | Air Shaft                 | 1951            | 1:10560       |
| W  | 381m S   | Air Shaft                 | 1992            | 1:10000       |
| W  | 381m S   | Air Shaft                 | 1980            | 1:10000       |
| W  | 391m S   | Air Shaft                 | 1938            | 1:10560       |
| W  | 391m S   | Air Shaft                 | 1903            | 1:10560       |
| AA | 461m SE  | Unspecified Old Shaft     | 1951            | 1:10560       |
| S  | 461m E   | Air Shaft                 | 1951            | 1:10560       |
| S  | 463m E   | Disused Air Shaft         | 1966            | 1:10560       |
| AA | 466m SE  | Unspecified Disused Shaft | 1992            | 1:10000       |
| AA | 466m SE  | Unspecified Disused Shaft | 1980            | 1:10000       |
| AD | 466m E   | Unspecified Shaft         | 1938            | 1:10560       |
| AD | 466m E   | Unspecified Shaft         | 1903            | 1:10560       |
| AA | 467m SE  | Unspecified Old Shaft     | 1938            | 1:10560       |
| AD | 468m E   | Unspecified Disused Shaft | 1966            | 1:10560       |
| AD | 468m E   | Unspecified Disused Shaft | 1992            | 1:10000       |
| AD | 468m E   | Unspecified Disused Shaft | 1980            | 1:10000       |
| AA | 470m SE  | Unspecified Disused Shaft | 1966            | 1:10560       |
| AA | 470m SE  | Unspecified Old Shaft     | 1903            | 1:10560       |
| AD | 471m E   | Unspecified Shaft         | 1951            | 1:10560       |
| AG | 495m NW  | Unspecified Shaft         | 1903            | 1:10560       |



| ID | Location | Land Use              | Year of mapping | Mapping scale |
|----|----------|-----------------------|-----------------|---------------|
| AG | 498m NW  | Air Shaft             | 1938            | 1:10560       |
| AG | 502m NW  | Air Shaft             | 1951            | 1:10560       |
| 13 | 581m NE  | Air Shaft             | 1903            | 1:10560       |
| V  | 596m E   | Air Shaft             | 1938            | 1:10560       |
| V  | 599m E   | Unspecified Shafts    | 1980            | 1:10000       |
| AE | 615m SE  | Air Shaft             | 1903            | 1:10560       |
| -  | 623m E   | Unspecified Shafts    | 1980            | 1:10000       |
| -  | 669m N   | Colliery              | 1891            | 1:10560       |
| AL | 700m SE  | Unspecified Old Shaft | 1903            | 1:10560       |
| AI | 754m NE  | Unspecified Shaft     | 1938            | 1:10560       |
| AI | 754m NE  | Air Shaft             | 1903            | 1:10560       |
| AI | 764m NE  | Unspecified Shaft     | 1951            | 1:10560       |
| -  | 767m S   | Old Ironstone Pits    | 1938            | 1:10560       |
| -  | 767m S   | Old Ironstone Pits    | 1903            | 1:10560       |
| -  | 819m S   | Old Ironstone Pits    | 1938            | 1:10560       |
| -  | 820m S   | Old Ironstone Pits    | 1938            | 1:10560       |
| -  | 824m NW  | Colliery              | 1903            | 1:10560       |
| -  | 825m NW  | Colliery              | 1938            | 1:10560       |
| -  | 829m NW  | Colliery              | 1951            | 1:10560       |
| -  | 852m NW  | Colliery              | 1938            | 1:10560       |
| -  | 852m NW  | Colliery              | 1903            | 1:10560       |
| -  | 852m NW  | Colliery              | 1891            | 1:10560       |
| -  | 852m S   | Old Ironstone Pits    | 1938            | 1:10560       |
| -  | 852m S   | Old Ironstone Pits    | 1903            | 1:10560       |
| -  | 870m S   | Old Ironstone Pits    | 1938            | 1:10560       |
| -  | 870m S   | Old Ironstone Pits    | 1903            | 1:10560       |
| -  | 883m S   | Old Ironstone Pits    | 1903            | 1:10560       |
| -  | 888m E   | Old Ironstone Pits    | 1938            | 1:10560       |



| ID | Location | Land Use           | Year of mapping | Mapping scale |
|----|----------|--------------------|-----------------|---------------|
| -  | 888m E   | Old Ironstone Pits | 1903            | 1:10560       |
| -  | 891m E   | Old Ironstone Pits | 1951            | 1:10560       |
| -  | 897m E   | Old Ironstone Pits | 1951            | 1:10560       |
| -  | 903m E   | Old Ironstone Pits | 1951            | 1:10560       |
| -  | 914m S   | Old Ironstone Pits | 1938            | 1:10560       |
| -  | 921m N   | Colliery           | 1951            | 1:10560       |
| -  | 952m E   | Old Ironstone Pits | 1951            | 1:10560       |
| -  | 958m NE  | Pumping Shaft      | 1903            | 1:10560       |
| -  | 973m E   | Old Ironstone Pits | 1951            | 1:10560       |
| -  | 990m SE  | Old Ironstone Pits | 1938            | 1:10560       |
| -  | 993m SE  | Old Ironstone Pits | 1903            | 1:10560       |
| -  | 995m E   | Old Ironstone Pits | 1951            | 1:10560       |

*This data is sourced from Ordnance Survey/Groundsure.*

## 18.4 Underground mining extents

**Records within 500m**

**0**

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

*This data is sourced from Groundsure.*

## 18.5 Historical Mineral Planning Areas

**Records within 500m**

**0**

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

*This data is sourced from the British Geological Survey.*



## 18.6 Non-coal mining

### Records within 1000m

**7**

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

Features are displayed on the Mining and ground workings map on [page 99 >](#)

| ID | Location | Name          | Commodity          | Class | Likelihood                                                                                                                                                                                                                                                 |
|----|----------|---------------|--------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1  | 109m NE  | Not available | Ironstone (bedded) | B     | Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered. |
| 11 | 514m E   | Not available | Iron Ore (Bedded)  | B     | Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered. |
| AF | 542m SE  | Not available | Ironstone (bedded) | B     | Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered. |
| AI | 551m NE  | Not available | Iron Ore (Bedded)  | B     | Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered. |
| 12 | 554m E   | Not available | Iron Ore (Bedded)  | B     | Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered. |
| AJ | 609m E   | Not available | Iron Ore (Bedded)  | B     | Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered. |
| -  | 690m S   | Not available | Ironstone (bedded) | B     | Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered. |



*This data is sourced from the British Geological Survey.*

## 18.7 JPB mining areas

**Records on site**

**0**

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

*This data is sourced from Johnson Poole and Bloomer.*

## 18.8 The Coal Authority non-coal mining

**Records within 500m**

**4**

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

Features are displayed on the Mining and ground workings map on [page 99 >](#)

| ID | Location | Mineral type | Mineral   |
|----|----------|--------------|-----------|
| C  | 59m NE   | Metals       | Ironstone |
| Q  | 216m E   | Metals       | Ironstone |
| V  | 397m E   | Metals       | Ironstone |
| AF | 492m SE  | Metals       | Ironstone |

*This data is sourced from The Coal Authority.*

## 18.9 Researched mining

**Records within 500m**

**28**

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

| Location | Mineral type |
|----------|--------------|
| 128m W   | Metals       |



| Location | Mineral type |
|----------|--------------|
| 183m SW  | Metals       |
| 195m SW  | Metals       |
| 238m S   | Metals       |
| 255m S   | Metals       |
| 288m S   | Metals       |
| 313m S   | Metals       |
| 328m S   | Metals       |
| 337m S   | Metals       |
| 356m S   | Metals       |
| 372m W   | Metals       |
| 376m SW  | Metals       |
| 377m S   | Metals       |
| 385m SE  | Metals       |
| 388m S   | Metals       |
| 414m S   | Metals       |
| 414m S   | Metals       |
| 414m S   | Metals       |
| 414m S   | Metals       |
| 414m S   | Metals       |
| 415m S   | Metals       |
| 415m S   | Metals       |
| 420m S   | Metals       |
| 432m S   | Metals       |
| 440m S   | Metals       |
| 451m S   | Metals       |
| 465m S   | Metals       |
| 468m S   | Metals       |

*This data is sourced from Groundsure.*



## 18.10 Mining record office plans

### Records within 500m

**1**

This dataset is representative of Mining Record Office and/or plan extents held by Groundsure and should be considered approximate. Where possible, plans have been located and any specific areas of risk they depict have been captured.

| Location | Mineral   |
|----------|-----------|
| 374m S   | Ironstone |

*This data is sourced from Groundsure.*

## 18.11 BGS mine plans

### Records within 500m

**0**

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

*This data is sourced from Groundsure.*

## 18.12 Coal mining

### Records on site

**1**

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

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

*This data is sourced from the Coal Authority.*

## 18.13 Brine areas

### Records on site

**0**

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

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



## 18.14 Gypsum areas

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

Generalised areas that may be affected by gypsum extraction.

*This data is sourced from British Gypsum.*

## 18.15 Tin mining

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

Generalised areas that may be affected by historical tin mining.

*This data is sourced from Groundsure.*

## 18.16 Clay mining

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

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

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

## 19 Ground cavities and sinkholes

### 19.1 Natural cavities

Records within 500m

0

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

*This data is sourced from Stantec UK Ltd.*

### 19.2 Mining cavities

Records within 1000m

0

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

*This data is sourced from Stantec UK Ltd.*

### 19.3 Reported recent incidents

Records within 500m

0

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

*This data is sourced from Groundsure.*

### 19.4 Historical incidents

Records within 500m

0

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

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



*This data is sourced from Groundsure.*

## 19.5 National karst database

Records within 500m

0

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

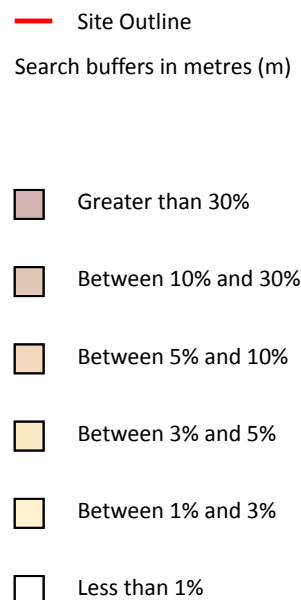
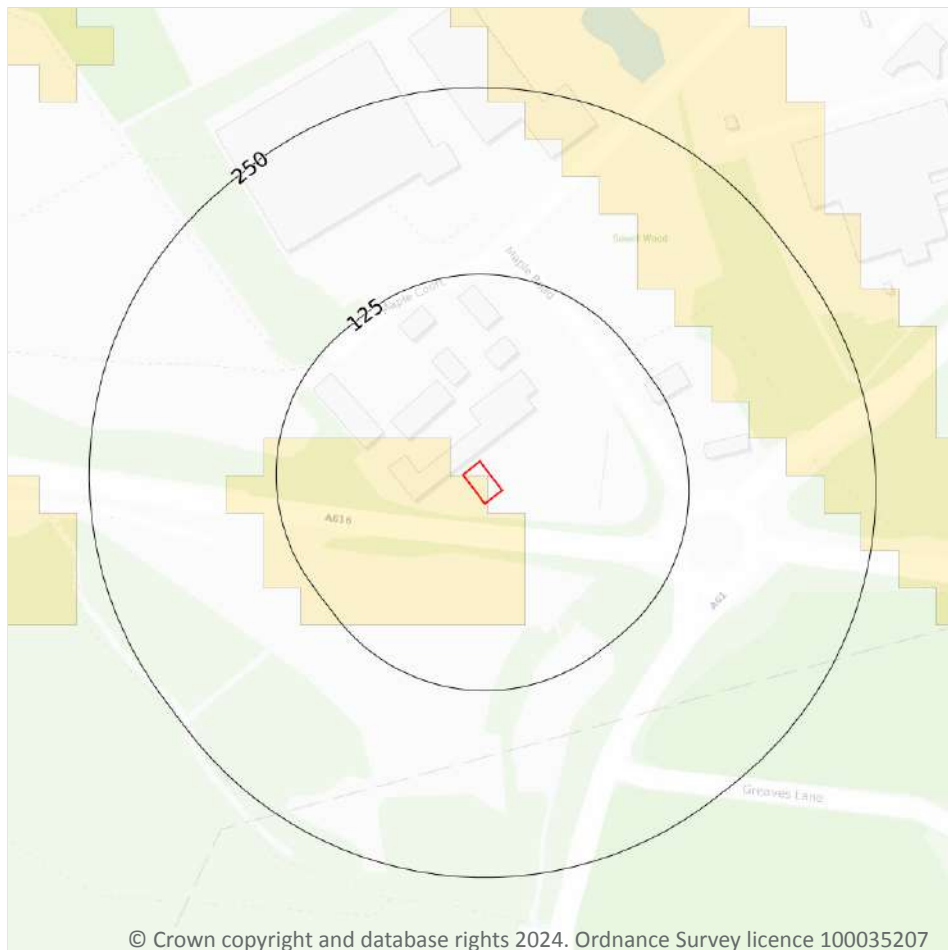
Since the database was set up in 2002 data covering most of the evaporite karst areas of the UK have now been added, along with data covering about 60% of the Chalk, and 35% of the Carboniferous Limestone outcrops. Many of the classic upland karst areas have yet to be included. Recorded so far are: Over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

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

*This data is sourced from the British Geological Survey.*



## 20 Radon



### 20.1 Radon

#### Records on site

2

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

Features are displayed on the Radon map on [page 118 >](#)

| Location | Estimated properties affected | Radon Protection Measures required |
|----------|-------------------------------|------------------------------------|
| On site  | Between 1% and 3%             | None                               |



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

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



## 21 Soil chemistry

### 21.1 BGS Estimated Background Soil Chemistry

Records within 50m

4

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

| Location | Arsenic       | Bioaccessible Arsenic | Lead      | Bioaccessible Lead | Cadmium   | Chromium      | Nickel        |
|----------|---------------|-----------------------|-----------|--------------------|-----------|---------------|---------------|
| On site  | 15 - 25 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| 22m W    | 15 - 25 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| 34m W    | 15 - 25 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| 36m W    | 15 - 25 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |

*This data is sourced from the British Geological Survey.*

### 21.2 BGS Estimated Urban Soil Chemistry

Records within 50m

0

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

*This data is sourced from the British Geological Survey.*



## 21.3 BGS Measured Urban Soil Chemistry

Records within 50m

0

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

*This data is sourced from the British Geological Survey.*

