

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

**Order Details**

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

**Site Details**

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



**Summary of findings**

[p. 2 >](#) **Aerial image**

[p. 9 >](#)

**OS MasterMap site plan**

[p.13 >](#) **[Insight User Guide](#)** ↗

## Summary of findings

| Page                    | Section                  | <a href="#">Past land use &gt;</a>                            | On site | 0-50m | 50-250m | 250-500m | 500-2000m |
|-------------------------|--------------------------|---------------------------------------------------------------|---------|-------|---------|----------|-----------|
| <a href="#">14 &gt;</a> | <a href="#">1.1 &gt;</a> | <a href="#">Historical industrial land uses &gt;</a>          | 0       | 3     | 42      | 88       | -         |
| <a href="#">19 &gt;</a> | <a href="#">1.2 &gt;</a> | <a href="#">Historical tanks &gt;</a>                         | 0       | 0     | 10      | 23       | -         |
| <a href="#">21 &gt;</a> | <a href="#">1.3 &gt;</a> | <a href="#">Historical energy features &gt;</a>               | 0       | 0     | 6       | 8        | -         |
| 22                      | 1.4                      | Historical petrol stations                                    | 0       | 0     | 0       | 0        | -         |
| <a href="#">22 &gt;</a> | <a href="#">1.5 &gt;</a> | <a href="#">Historical garages &gt;</a>                       | 0       | 0     | 6       | 15       | -         |
| 23                      | 1.6                      | Historical military land                                      | 0       | 0     | 0       | 0        | -         |
| Page                    | Section                  | <a href="#">Past land use - un-grouped &gt;</a>               | On site | 0-50m | 50-250m | 250-500m | 500-2000m |
| <a href="#">24 &gt;</a> | <a href="#">2.1 &gt;</a> | <a href="#">Historical industrial land uses &gt;</a>          | 0       | 3     | 56      | 124      | -         |
| <a href="#">31 &gt;</a> | <a href="#">2.2 &gt;</a> | <a href="#">Historical tanks &gt;</a>                         | 0       | 0     | 16      | 37       | -         |
| <a href="#">33 &gt;</a> | <a href="#">2.3 &gt;</a> | <a href="#">Historical energy features &gt;</a>               | 0       | 0     | 12      | 19       | -         |
| 35                      | 2.4                      | Historical petrol stations                                    | 0       | 0     | 0       | 0        | -         |
| <a href="#">35 &gt;</a> | <a href="#">2.5 &gt;</a> | <a href="#">Historical garages &gt;</a>                       | 0       | 0     | 14      | 24       | -         |
| Page                    | Section                  | <a href="#">Waste and landfill &gt;</a>                       | On site | 0-50m | 50-250m | 250-500m | 500-2000m |
| 37                      | 3.1                      | Active or recent landfill                                     | 0       | 0     | 0       | 0        | -         |
| 37                      | 3.2                      | Historical landfill (BGS records)                             | 0       | 0     | 0       | 0        | -         |
| <a href="#">38 &gt;</a> | <a href="#">3.3 &gt;</a> | <a href="#">Historical landfill (LA/mapping records) &gt;</a> | 0       | 0     | 0       | 1        | -         |
| <a href="#">38 &gt;</a> | <a href="#">3.4 &gt;</a> | <a href="#">Historical landfill (EA/NRW records) &gt;</a>     | 0       | 1     | 2       | 2        | -         |
| <a href="#">39 &gt;</a> | <a href="#">3.5 &gt;</a> | <a href="#">Historical waste sites &gt;</a>                   | 0       | 0     | 1       | 3        | -         |
| <a href="#">40 &gt;</a> | <a href="#">3.6 &gt;</a> | <a href="#">Licensed waste sites &gt;</a>                     | 0       | 1     | 8       | 4        | -         |
| <a href="#">45 &gt;</a> | <a href="#">3.7 &gt;</a> | <a href="#">Waste exemptions &gt;</a>                         | 0       | 2     | 12      | 15       | -         |
| Page                    | Section                  | <a href="#">Current industrial land use &gt;</a>              | On site | 0-50m | 50-250m | 250-500m | 500-2000m |
| <a href="#">48 &gt;</a> | <a href="#">4.1 &gt;</a> | <a href="#">Recent industrial land uses &gt;</a>              | 0       | 0     | 29      | -        | -         |
| <a href="#">50 &gt;</a> | <a href="#">4.2 &gt;</a> | <a href="#">Current or recent petrol stations &gt;</a>        | 0       | 0     | 1       | 1        | -         |
| 51                      | 4.3                      | Electricity cables                                            | 0       | 0     | 0       | 0        | -         |
| 51                      | 4.4                      | Gas pipelines                                                 | 0       | 0     | 0       | 0        | -         |
| 51                      | 4.5                      | Sites determined as Contaminated Land                         | 0       | 0     | 0       | 0        | -         |



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



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



| 105                      | 10.13                     | Possible Special Areas of Conservation (pSAC)         | 0                        | 0     | 0       | 0        | 0         |
|--------------------------|---------------------------|-------------------------------------------------------|--------------------------|-------|---------|----------|-----------|
| 105                      | 10.14                     | Potential Special Protection Areas (pSPA)             | 0                        | 0     | 0       | 0        | 0         |
| 105                      | 10.15                     | Nitrate Sensitive Areas                               | 0                        | 0     | 0       | 0        | 0         |
| 105                      | 10.16                     | Nitrate Vulnerable Zones                              | 0                        | 0     | 0       | 0        | 0         |
| 106                      | 10.17                     | SSSI Impact Risk Zones                                | 0                        | -     | -       | -        | -         |
| 106                      | 10.18                     | SSSI Units                                            | 0                        | 0     | 0       | 0        | 0         |
| Page                     | Section                   | <a href="#">Visual and cultural designations &gt;</a> | On site                  | 0-50m | 50-250m | 250-500m | 500-2000m |
| 107                      | 11.1                      | World Heritage Sites                                  | 0                        | 0     | 0       | -        | -         |
| 108                      | 11.2                      | Area of Outstanding Natural Beauty                    | 0                        | 0     | 0       | -        | -         |
| 108                      | 11.3                      | National Parks                                        | 0                        | 0     | 0       | -        | -         |
| <a href="#">108 &gt;</a> | <a href="#">11.4 &gt;</a> | <a href="#">Listed Buildings &gt;</a>                 | 0                        | 0     | 1       | -        | -         |
| 109                      | 11.5                      | Conservation Areas                                    | 0                        | 0     | 0       | -        | -         |
| 109                      | 11.6                      | Scheduled Ancient Monuments                           | 0                        | 0     | 0       | -        | -         |
| 109                      | 11.7                      | Registered Parks and Gardens                          | 0                        | 0     | 0       | -        | -         |
| Page                     | Section                   | <a href="#">Agricultural designations &gt;</a>        | On site                  | 0-50m | 50-250m | 250-500m | 500-2000m |
| <a href="#">110 &gt;</a> | <a href="#">12.1 &gt;</a> | <a href="#">Agricultural Land Classification &gt;</a> | Urban (within 250m)      |       |         |          |           |
| 111                      | 12.2                      | Open Access Land                                      | 0                        | 0     | 0       | -        | -         |
| 111                      | 12.3                      | Tree Felling Licences                                 | 0                        | 0     | 0       | -        | -         |
| 111                      | 12.4                      | Environmental Stewardship Schemes                     | 0                        | 0     | 0       | -        | -         |
| 111                      | 12.5                      | Countryside Stewardship Schemes                       | 0                        | 0     | 0       | -        | -         |
| Page                     | Section                   | <a href="#">Habitat designations &gt;</a>             | On site                  | 0-50m | 50-250m | 250-500m | 500-2000m |
| <a href="#">112 &gt;</a> | <a href="#">13.1 &gt;</a> | <a href="#">Priority Habitat Inventory &gt;</a>       | 0                        | 0     | 3       | -        | -         |
| 113                      | 13.2                      | Habitat Networks                                      | 0                        | 0     | 0       | -        | -         |
| 113                      | 13.3                      | Open Mosaic Habitat                                   | 0                        | 0     | 0       | -        | -         |
| 113                      | 13.4                      | Limestone Pavement Orders                             | 0                        | 0     | 0       | -        | -         |
| Page                     | Section                   | <a href="#">Geology 1:10,000 scale &gt;</a>           | On site                  | 0-50m | 50-250m | 250-500m | 500-2000m |
| <a href="#">114 &gt;</a> | <a href="#">14.1 &gt;</a> | <a href="#">10k Availability &gt;</a>                 | Identified (within 500m) |       |         |          |           |
| <a href="#">115 &gt;</a> | <a href="#">14.2 &gt;</a> | <a href="#">Artificial and made ground (10k) &gt;</a> | 0                        | 0     | 4       | 12       | -         |
| <a href="#">117 &gt;</a> | <a href="#">14.3 &gt;</a> | <a href="#">Superficial geology (10k) &gt;</a>        | 1                        | 0     | 2       | 4        | -         |

| 118                      | 14.4                       | Landslip (10k)                                                      | 0                        | 0     | 0       | 0        | -         |
|--------------------------|----------------------------|---------------------------------------------------------------------|--------------------------|-------|---------|----------|-----------|
| <a href="#">119 &gt;</a> | <a href="#">14.5 &gt;</a>  | <a href="#">Bedrock geology (10k) &gt;</a>                          | 1                        | 0     | 0       | 2        | -         |
| <a href="#">120 &gt;</a> | <a href="#">14.6 &gt;</a>  | <a href="#">Bedrock faults and other linear features (10k) &gt;</a> | 0                        | 0     | 0       | 1        | -         |
| Page                     | Section                    | <a href="#">Geology 1:50,000 scale &gt;</a>                         | On site                  | 0-50m | 50-250m | 250-500m | 500-2000m |
| <a href="#">121 &gt;</a> | <a href="#">15.1 &gt;</a>  | <a href="#">50k Availability &gt;</a>                               | Identified (within 500m) |       |         |          |           |
| <a href="#">122 &gt;</a> | <a href="#">15.2 &gt;</a>  | <a href="#">Artificial and made ground (50k) &gt;</a>               | 0                        | 0     | 2       | 3        | -         |
| 123                      | 15.3                       | Artificial ground permeability (50k)                                | 0                        | 0     | -       | -        | -         |
| <a href="#">124 &gt;</a> | <a href="#">15.4 &gt;</a>  | <a href="#">Superficial geology (50k) &gt;</a>                      | 1                        | 0     | 1       | 1        | -         |
| <a href="#">125 &gt;</a> | <a href="#">15.5 &gt;</a>  | <a href="#">Superficial permeability (50k) &gt;</a>                 | Identified (within 50m)  |       |         |          |           |
| 125                      | 15.6                       | Landslip (50k)                                                      | 0                        | 0     | 0       | 0        | -         |
| 125                      | 15.7                       | Landslip permeability (50k)                                         | None (within 50m)        |       |         |          |           |
| <a href="#">126 &gt;</a> | <a href="#">15.8 &gt;</a>  | <a href="#">Bedrock geology (50k) &gt;</a>                          | 1                        | 0     | 0       | 1        | -         |
| <a href="#">127 &gt;</a> | <a href="#">15.9 &gt;</a>  | <a href="#">Bedrock permeability (50k) &gt;</a>                     | Identified (within 50m)  |       |         |          |           |
| <a href="#">127 &gt;</a> | <a href="#">15.10 &gt;</a> | <a href="#">Bedrock faults and other linear features (50k) &gt;</a> | 0                        | 0     | 0       | 1        | -         |
| Page                     | Section                    | <a href="#">Boreholes &gt;</a>                                      | On site                  | 0-50m | 50-250m | 250-500m | 500-2000m |
| <a href="#">128 &gt;</a> | <a href="#">16.1 &gt;</a>  | <a href="#">BGS Boreholes &gt;</a>                                  | 15                       | 46    | 48      | -        | -         |
| Page                     | Section                    | <a href="#">Natural ground subsidence &gt;</a>                      |                          |       |         |          |           |
| <a href="#">134 &gt;</a> | <a href="#">17.1 &gt;</a>  | <a href="#">Shrink swell clays &gt;</a>                             | Very low (within 50m)    |       |         |          |           |
| <a href="#">135 &gt;</a> | <a href="#">17.2 &gt;</a>  | <a href="#">Running sands &gt;</a>                                  | Low (within 50m)         |       |         |          |           |
| <a href="#">136 &gt;</a> | <a href="#">17.3 &gt;</a>  | <a href="#">Compressible deposits &gt;</a>                          | Moderate (within 50m)    |       |         |          |           |
| <a href="#">137 &gt;</a> | <a href="#">17.4 &gt;</a>  | <a href="#">Collapsible deposits &gt;</a>                           | Negligible (within 50m)  |       |         |          |           |
| <a href="#">138 &gt;</a> | <a href="#">17.5 &gt;</a>  | <a href="#">Landslides &gt;</a>                                     | Very low (within 50m)    |       |         |          |           |
| <a href="#">139 &gt;</a> | <a href="#">17.6 &gt;</a>  | <a href="#">Ground dissolution of soluble rocks &gt;</a>            | Negligible (within 50m)  |       |         |          |           |
| Page                     | Section                    | <a href="#">Mining and ground workings &gt;</a>                     | On site                  | 0-50m | 50-250m | 250-500m | 500-2000m |
| <a href="#">141 &gt;</a> | <a href="#">18.1 &gt;</a>  | <a href="#">BritPits &gt;</a>                                       | 0                        | 0     | 0       | 2        | -         |
| <a href="#">142 &gt;</a> | <a href="#">18.2 &gt;</a>  | <a href="#">Surface ground workings &gt;</a>                        | 0                        | 0     | 25      | -        | -         |
| <a href="#">143 &gt;</a> | <a href="#">18.3 &gt;</a>  | <a href="#">Underground workings &gt;</a>                           | 0                        | 0     | 0       | 1        | 4         |
| 144                      | 18.4                       | Underground mining extents                                          | 0                        | 0     | 0       | 0        | -         |
| 144                      | 18.5                       | Historical Mineral Planning Areas                                   | 0                        | 0     | 0       | 0        | -         |



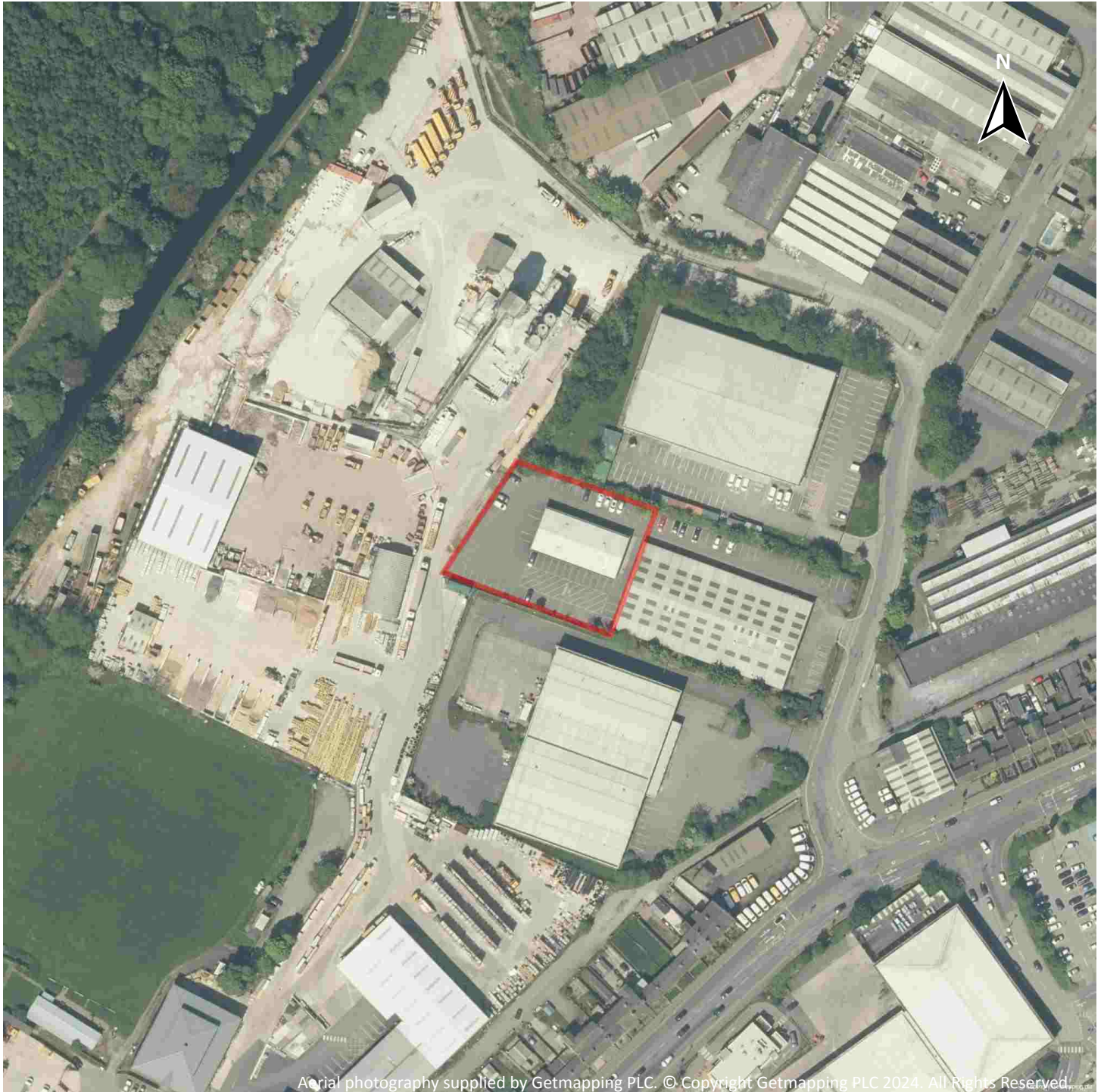
| <a href="#">144</a> > | <a href="#">18.6</a> >  | <a href="#">Non-coal mining</a> >                         | 0                        | 0     | 0       | 5        | 7         |
|-----------------------|-------------------------|-----------------------------------------------------------|--------------------------|-------|---------|----------|-----------|
| 145                   | 18.7                    | JPB mining areas                                          | None (within 0m)         |       |         |          |           |
| 146                   | 18.8                    | The Coal Authority non-coal mining                        | 0                        | 0     | 0       | 0        | -         |
| 146                   | 18.9                    | Researched mining                                         | 0                        | 0     | 0       | 0        | -         |
| 146                   | 18.10                   | Mining record office plans                                | 0                        | 0     | 0       | 0        | -         |
| <a href="#">146</a> > | <a href="#">18.11</a> > | <a href="#">BGS mine plans</a> >                          | 1                        | 0     | 0       | 0        | -         |
| <a href="#">147</a> > | <a href="#">18.12</a> > | <a href="#">Coal mining</a> >                             | Identified (within 0m)   |       |         |          |           |
| 147                   | 18.13                   | Brine areas                                               | None (within 0m)         |       |         |          |           |
| 147                   | 18.14                   | Gypsum areas                                              | None (within 0m)         |       |         |          |           |
| 147                   | 18.15                   | Tin mining                                                | None (within 0m)         |       |         |          |           |
| 147                   | 18.16                   | Clay mining                                               | None (within 0m)         |       |         |          |           |
| Page                  | Section                 | <a href="#">Ground cavities and sinkholes</a> >           | On site                  | 0-50m | 50-250m | 250-500m | 500-2000m |
| 148                   | 19.1                    | Natural cavities                                          | 0                        | 0     | 0       | 0        | -         |
| <a href="#">149</a> > | <a href="#">19.2</a> >  | <a href="#">Mining cavities</a> >                         | 0                        | 0     | 0       | 0        | 2         |
| 149                   | 19.3                    | Reported recent incidents                                 | 0                        | 0     | 0       | 0        | -         |
| 149                   | 19.4                    | Historical incidents                                      | 0                        | 0     | 0       | 0        | -         |
| 150                   | 19.5                    | National karst database                                   | 0                        | 0     | 0       | 0        | -         |
| Page                  | Section                 | <a href="#">Radon</a> >                                   |                          |       |         |          |           |
| <a href="#">151</a> > | <a href="#">20.1</a> >  | <a href="#">Radon</a> >                                   | Less than 1% (within 0m) |       |         |          |           |
| Page                  | Section                 | <a href="#">Soil chemistry</a> >                          | On site                  | 0-50m | 50-250m | 250-500m | 500-2000m |
| <a href="#">153</a> > | <a href="#">21.1</a> >  | <a href="#">BGS Estimated Background Soil Chemistry</a> > | 1                        | 0     | -       | -        | -         |
| 153                   | 21.2                    | BGS Estimated Urban Soil Chemistry                        | 0                        | 0     | -       | -        | -         |
| 153                   | 21.3                    | BGS Measured Urban Soil Chemistry                         | 0                        | 0     | -       | -        | -         |
| Page                  | Section                 | <a href="#">Railway infrastructure and projects</a> >     | On site                  | 0-50m | 50-250m | 250-500m | 500-2000m |
| 154                   | 22.1                    | Underground railways (London)                             | 0                        | 0     | 0       | -        | -         |
| 154                   | 22.2                    | Underground railways (Non-London)                         | 0                        | 0     | 0       | -        | -         |
| 155                   | 22.3                    | Railway tunnels                                           | 0                        | 0     | 0       | -        | -         |
| <a href="#">155</a> > | <a href="#">22.4</a> >  | <a href="#">Historical railway and tunnel features</a> >  | 0                        | 0     | 14      | -        | -         |
| 156                   | 22.5                    | Royal Mail tunnels                                        | 0                        | 0     | 0       | -        | -         |



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



## Recent aerial photograph



Aerial photography supplied by Getmapping PLC. © Copyright Getmapping PLC 2024. All Rights Reserved.

Capture Date: 30/05/2021

Site Area: 0.25ha



## Recent site history - 2018 aerial photograph



Capture Date: 01/07/2018

Site Area: 0.25ha





## Recent site history - 2012 aerial photograph



Capture Date: 26/03/2012

Site Area: 0.25ha



## Recent site history - 2000 aerial photograph



Capture Date: 05/08/2000

Site Area: 0.25ha





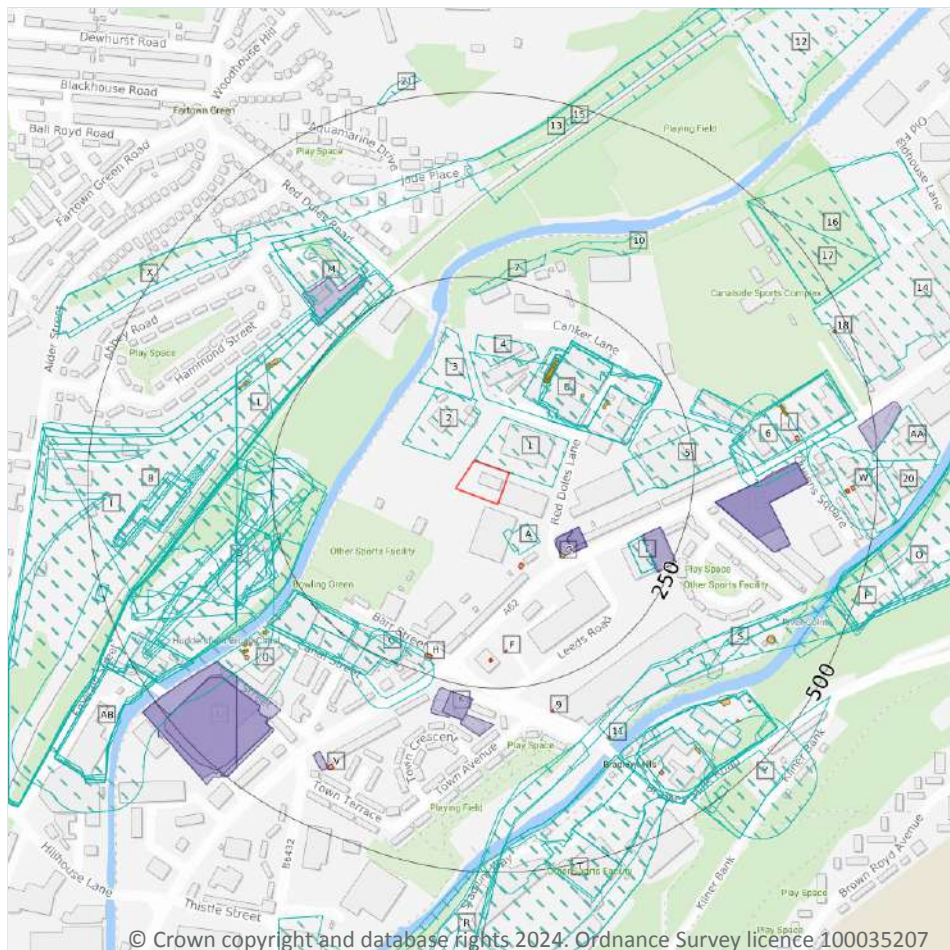
## OS MasterMap site plan



Site Area: 0.25ha



## 1 Past land use



- Site Outline
- Search buffers in metres (m)
- Historical industrial land uses
- Historical tanks
- Historical energy features
- Historical garages

### 1.1 Historical industrial land uses

Records within 500m

133

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

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

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



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



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





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



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



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

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

## 1.2 Historical tanks

### Records within 500m

33

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

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



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





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

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

### 1.3 Historical energy features

#### Records within 500m

14

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

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

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



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

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

## 1.4 Historical petrol stations

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

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

|                            |           |
|----------------------------|-----------|
| <b>Records within 500m</b> | <b>21</b> |
|----------------------------|-----------|

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

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

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



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

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

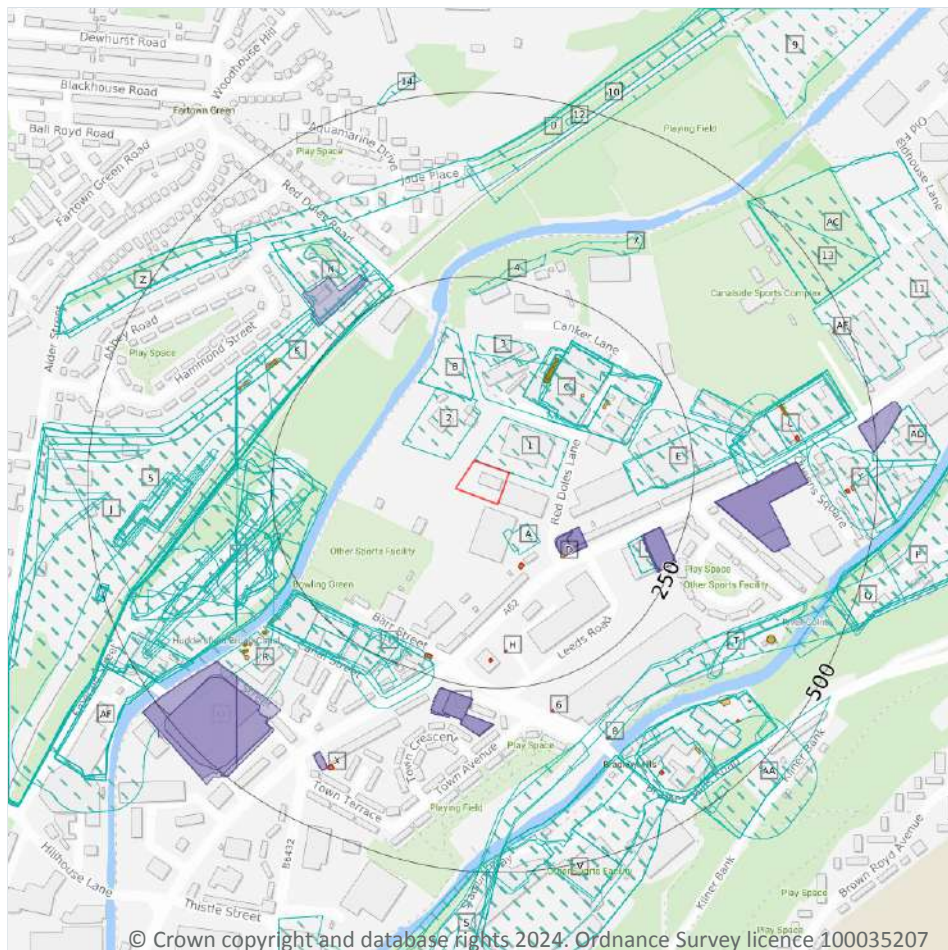
## 1.6 Historical military land

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

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
- Historical energy features
- Historical garages

### 2.1 Historical industrial land uses

Records within 500m

183

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

Features are displayed on the Past land use - un-grouped map on [page 24](#) >

| ID | Location | Land Use          | Date | Group ID |
|----|----------|-------------------|------|----------|
| 1  | On site  | Unspecified Depot | 1988 | 1445306  |
| 2  | 29m NW   | Unspecified Works | 1988 | 1531277  |
| A  | 38m SE   | Nursery           | 1965 | 1453396  |



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





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



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



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



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



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





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

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

## 2.2 Historical tanks

### Records within 500m

53

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

Features are displayed on the Past land use - un-grouped map on [page 24 >](#)

| ID | Location | Land Use         | Date | Group ID |
|----|----------|------------------|------|----------|
| D  | 110m SE  | Unspecified Tank | 1918 | 260111   |
| D  | 110m SE  | Unspecified Tank | 1932 | 260111   |
| C  | 132m NE  | Unspecified Tank | 1907 | 259694   |
| C  | 132m NE  | Unspecified Tank | 1918 | 259694   |
| C  | 133m NE  | Unspecified Tank | 1893 | 251074   |
| C  | 137m NE  | Unspecified Tank | 1959 | 246812   |
| C  | 137m NE  | Unspecified Tank | 1960 | 246812   |
| C  | 137m NE  | Tanks            | 1918 | 244790   |



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



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

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

## 2.3 Historical energy features

### Records within 500m

31

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

Features are displayed on the Past land use - un-grouped map on [page 24 >](#)

| ID | Location | Land Use               | Date | Group ID |
|----|----------|------------------------|------|----------|
| A  | 86m SE   | Electricity Substation | 1995 | 157887   |
| A  | 86m SE   | Electricity Substation | 1995 | 157887   |
| A  | 86m SE   | Electricity Substation | 1993 | 157887   |



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

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



## 2.4 Historical petrol stations

Records within 500m

0

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

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

## 2.5 Historical garages

Records within 500m

38

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

Features are displayed on the Past land use - un-grouped map on [page 24 >](#)

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



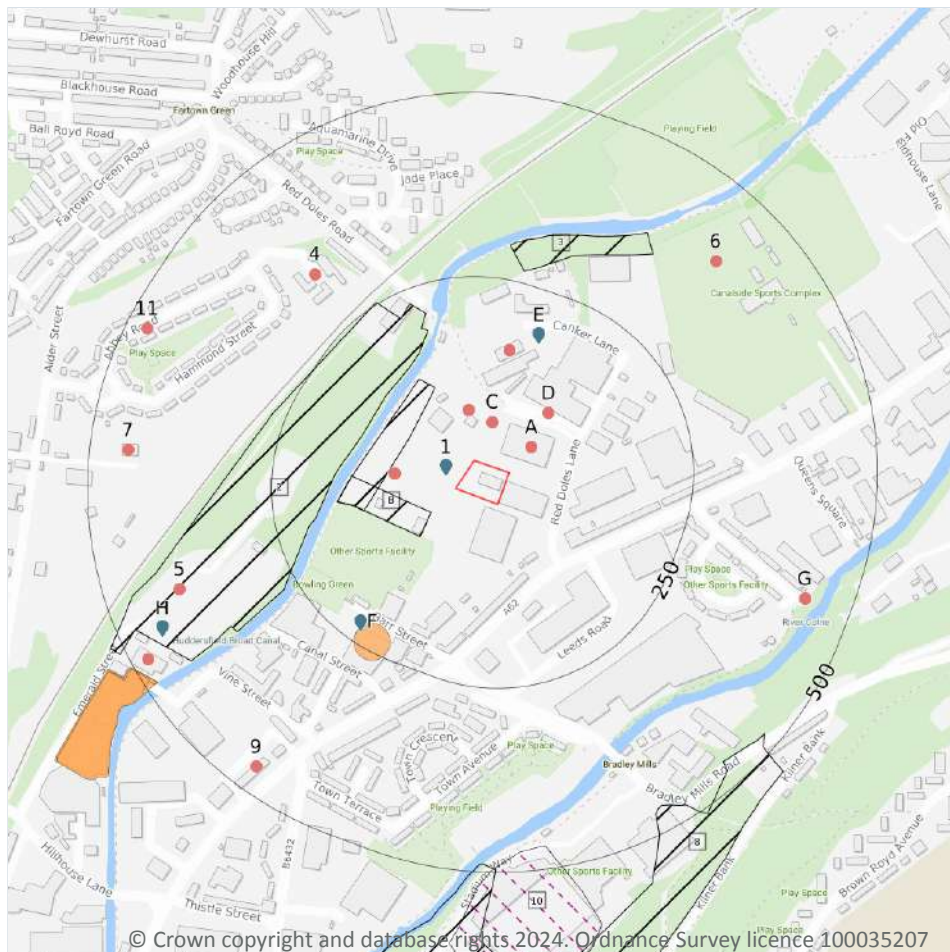
| ID | Location | Land Use           | Date | Group ID |
|----|----------|--------------------|------|----------|
| M  | 261m S   | Garage             | 1984 | 51148    |
| M  | 261m S   | Garage             | 1984 | 51148    |
| M  | 262m S   | Garage             | 1984 | 49316    |
| N  | 277m NW 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

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





## 3 Waste and landfill



- Site Outline
- Search buffers in metres (m)
- Historical landfill (EA/NRW)
- Historical landfill (LA/OS)
- Historical waste sites
- Licensed waste sites
- Waste exemptions

### 3.1 Active or recent landfill

Records within 500m

0

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

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

### 3.2 Historical landfill (BGS records)

Records within 500m

0

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

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



### 3.3 Historical landfill (LA/mapping records)

#### Records within 500m

**1**

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

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

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

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

### 3.4 Historical landfill (EA/NRW records)

#### Records within 500m

**5**

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

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

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



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

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

### 3.5 Historical waste sites

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

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

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

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



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

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

### 3.6 Licensed waste sites

|                            |           |
|----------------------------|-----------|
| <b>Records within 500m</b> | <b>13</b> |
|----------------------------|-----------|

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

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

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



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



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





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



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

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



### 3.7 Waste exemptions

|                            |           |
|----------------------------|-----------|
| <b>Records within 500m</b> | <b>29</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 37 >](#)

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



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

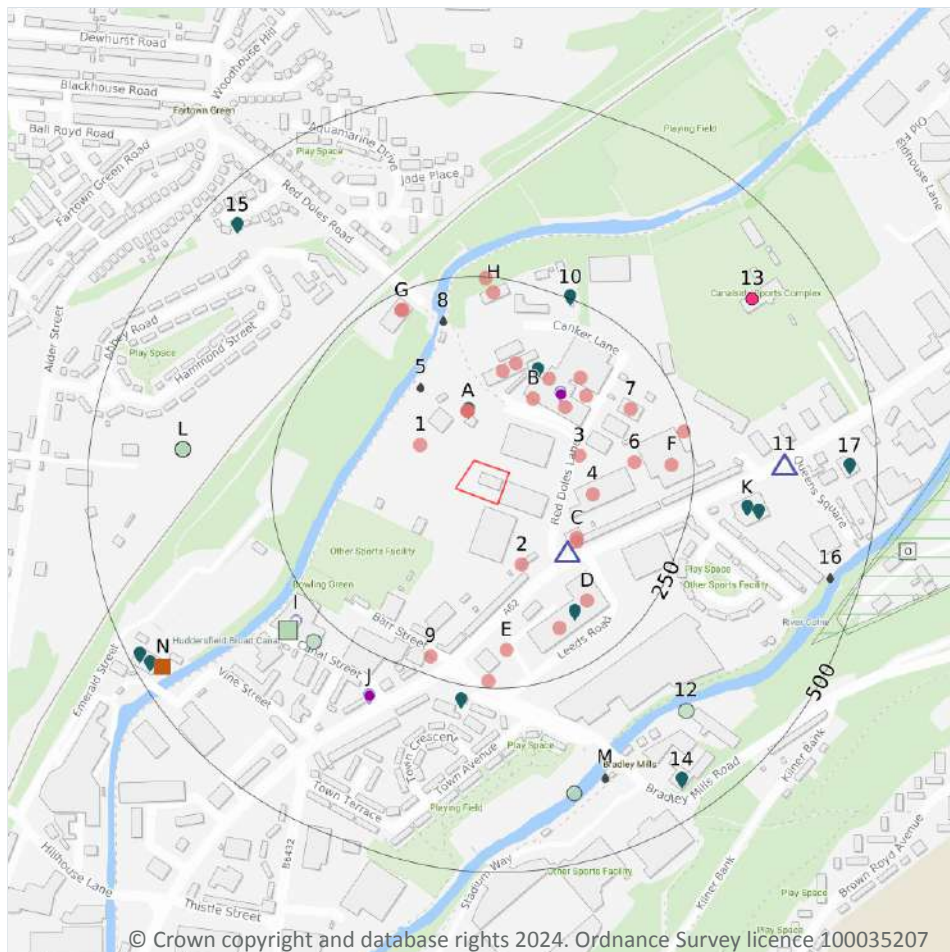


| ID | Location | Site                                                                                                                     | Reference | Category                     | Sub-Category  | Description                                              |
|----|----------|----------------------------------------------------------------------------------------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

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



## 4 Current industrial land use



- Site Outline
- Search buffers in metres (m)
- Recent industrial land uses
- △ Current or recent petrol stations
- Control of Major Accident Hazards
- Historical licensed industrial activities
- ▽ Part A(1) industrial activities
- Licensed pollutant release (Part A(2)/B)
- Radioactive Substance Authorisations
- Licensed Discharges to controlled waters
- Pollutant release to public sewer
- List 2 Dangerous Substances
- Pollution Incidents (EA/NRW)
- Pollution inventory substances
- Pollution inventory waste transfers

### 4.1 Recent industrial land uses

Records within 250m

29

Current potentially contaminative industrial sites.

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

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





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



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

*This data is sourced from Ordnance Survey.*

## 4.2 Current or recent petrol stations

**Records within 500m**

**2**

Open, closed, under development and obsolete petrol stations.

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

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



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

*This data is sourced from Experian.*

### 4.3 Electricity cables

|                            |          |
|----------------------------|----------|
| <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

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

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)

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

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

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

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

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

*This data is sourced from the Health and Safety Executive.*

## 4.7 Regulated explosive sites

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

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

*This data is sourced from the Health and Safety Executive.*

## 4.8 Hazardous substance storage/usage

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

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

*This data is sourced from Local Authority records.*

## 4.9 Historical licensed industrial activities (IPC)

|                            |          |
|----------------------------|----------|
| <b>Records within 500m</b> | <b>3</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.

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

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



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

*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>10</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.

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

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



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

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





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

### Records within 500m

**12**

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

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

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



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

1

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

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

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

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



## 4.13 Licensed Discharges to controlled waters

Records within 500m

4

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

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

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

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

## 4.14 Pollutant release to surface waters (Red List)

Records within 500m

0

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

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



## 4.15 Pollutant release to public sewer

Records within 500m

1

Discharges of Special Category Effluents to the public sewer.

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

| ID | Location | Address                                                                                              | Details                                                                                                    |                                                    |
|----|----------|------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|----------------------------------------------------|
| N  | 466m SW  | WAKEFIELD CITY COUNCIL, HUDDERSFIELD INCINERATOR, VINE STREET, HUDDERSFIELD, WEST YORKSHIRE, HD1 6NT | Permission reference: AI6258<br>Local Authority: WAKEFIELD CITY COUNCIL<br>First received date: 01/06/2001 | Last received date: 01/01/2018<br>Status: RECEIVED |

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

## 4.16 List 1 Dangerous Substances

Records within 500m

0

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

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

## 4.17 List 2 Dangerous Substances

Records within 500m

1

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

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

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

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

## 4.18 Pollution Incidents (EA/NRW)

Records within 500m

6

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

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



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

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

## 4.19 Pollution inventory substances

### Records within 500m

4

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

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



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

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

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

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

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

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



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

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

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

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

## 4.20 Pollution inventory waste transfers

### Records within 500m

2

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

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

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





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

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

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



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

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

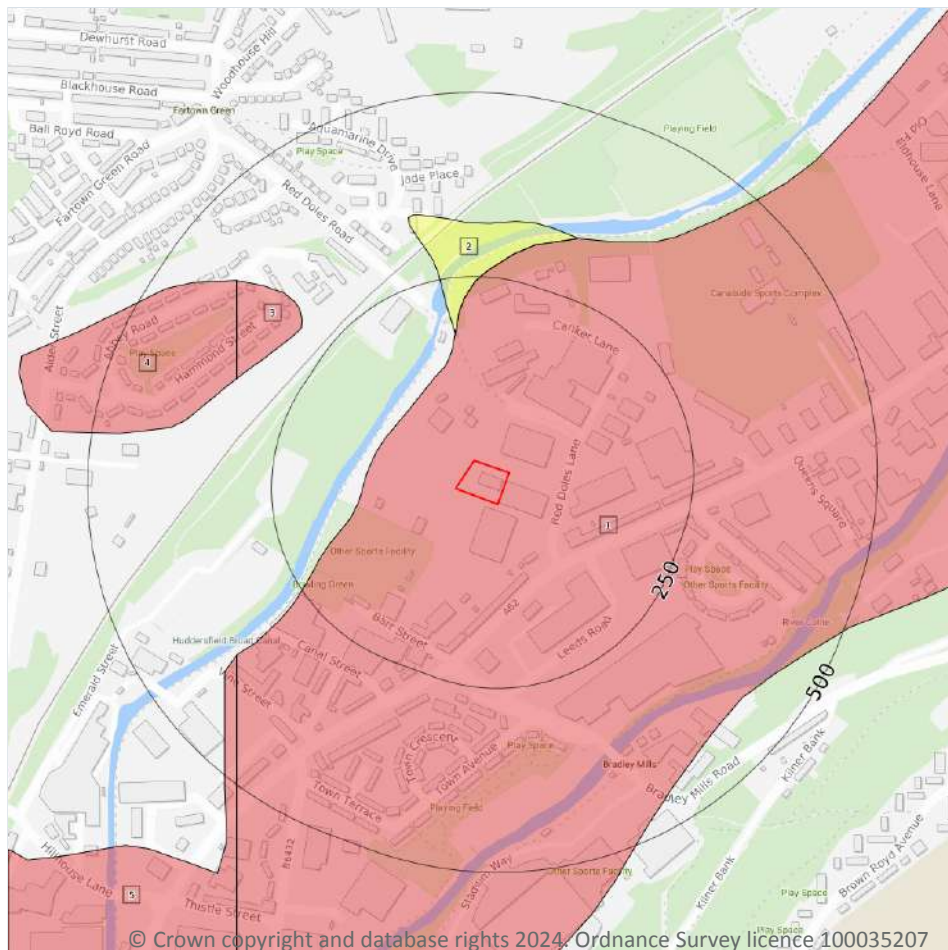
## 4.21 Pollution inventory radioactive waste

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

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



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

### 5.1 Superficial aquifer

Records within 500m

5

Aquifer status of groundwater held within superficial geology.

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

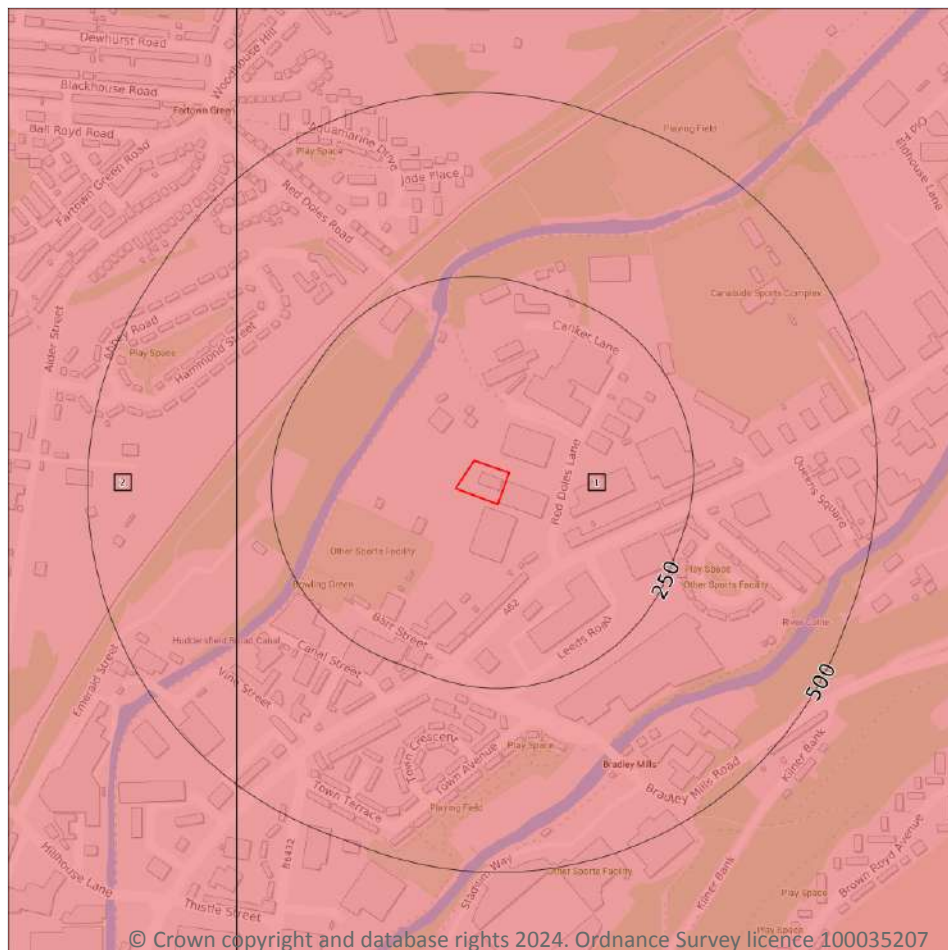
| ID | Location | Designation                | Description                                                                                                                                                                                                                                             |
|----|----------|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1  | On site  | Secondary A                | Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers                  |
| 2  | 175m N   | Secondary Undifferentiated | Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type |

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

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



## Bedrock aquifer



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

### 5.2 Bedrock aquifer

#### Records within 500m

2

Aquifer status of groundwater held within bedrock geology.

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

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

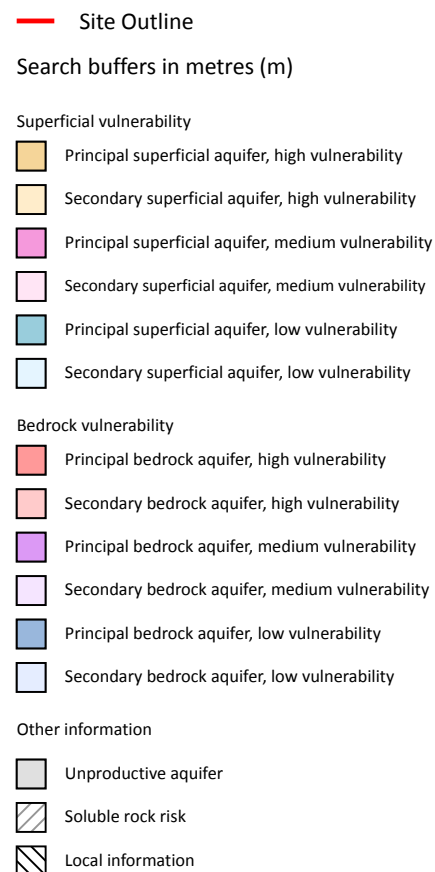
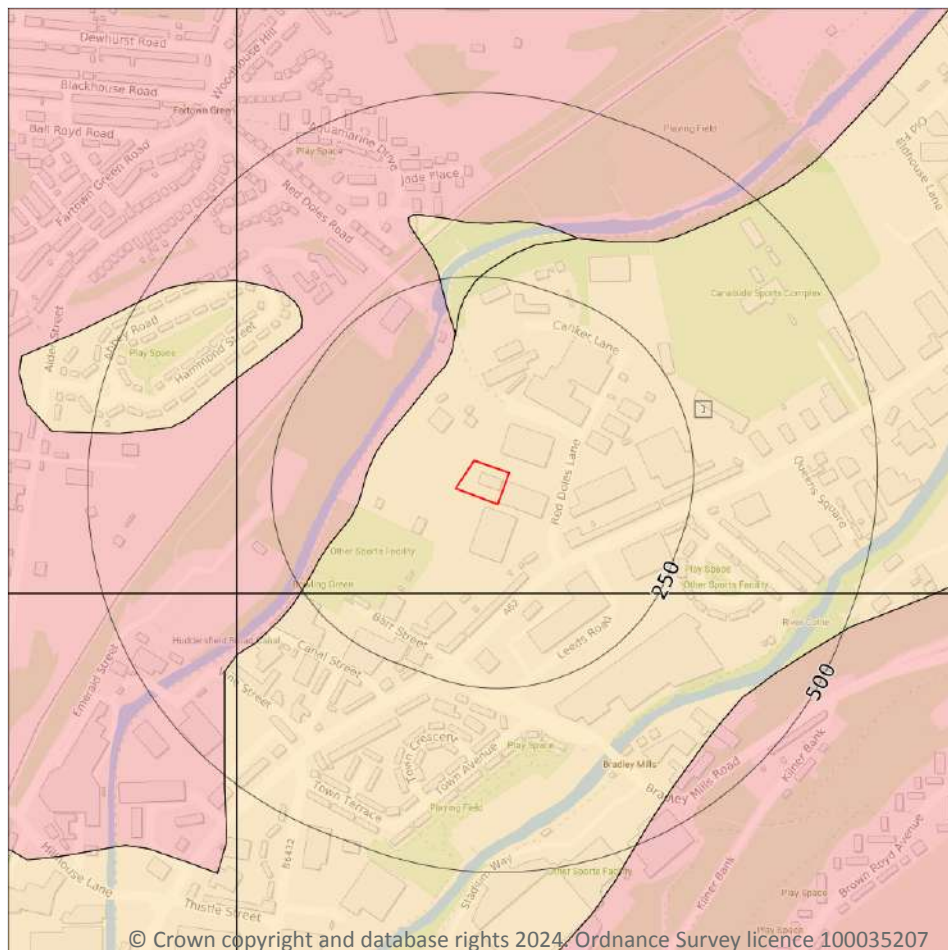


*This data is sourced from the British Geological Survey, the Environment Agency and Natural Resources Wales.*





## Groundwater vulnerability



### 5.3 Groundwater vulnerability

#### Records within 50m

1

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

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

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





| ID | Location | Summary                                                                                                                                                                               | Soil / surface                                                                                          | Superficial geology                                                                                                                                            | Bedrock geology                                                                                                 |
|----|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| 1  | On site  | <b>Summary Classification:</b><br>Secondary superficial aquifer - High Vulnerability<br><b>Combined classification:</b><br>Productive Bedrock Aquifer, Productive Superficial Aquifer | <b>Leaching class:</b> High<br><b>Infiltration value:</b> >70%<br><b>Dilution value:</b> 300-550mm/year | <b>Vulnerability:</b> High<br><b>Aquifer type:</b> Secondary<br><b>Thickness:</b> 3-10m<br><b>Patchiness value:</b> <90%<br><b>Recharge potential:</b> No Data | <b>Vulnerability:</b> High<br><b>Aquifer type:</b> Secondary<br><b>Flow mechanism:</b> Well connected fractures |

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

## 5.4 Groundwater vulnerability- soluble rock risk

|                        |          |
|------------------------|----------|
| <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.*

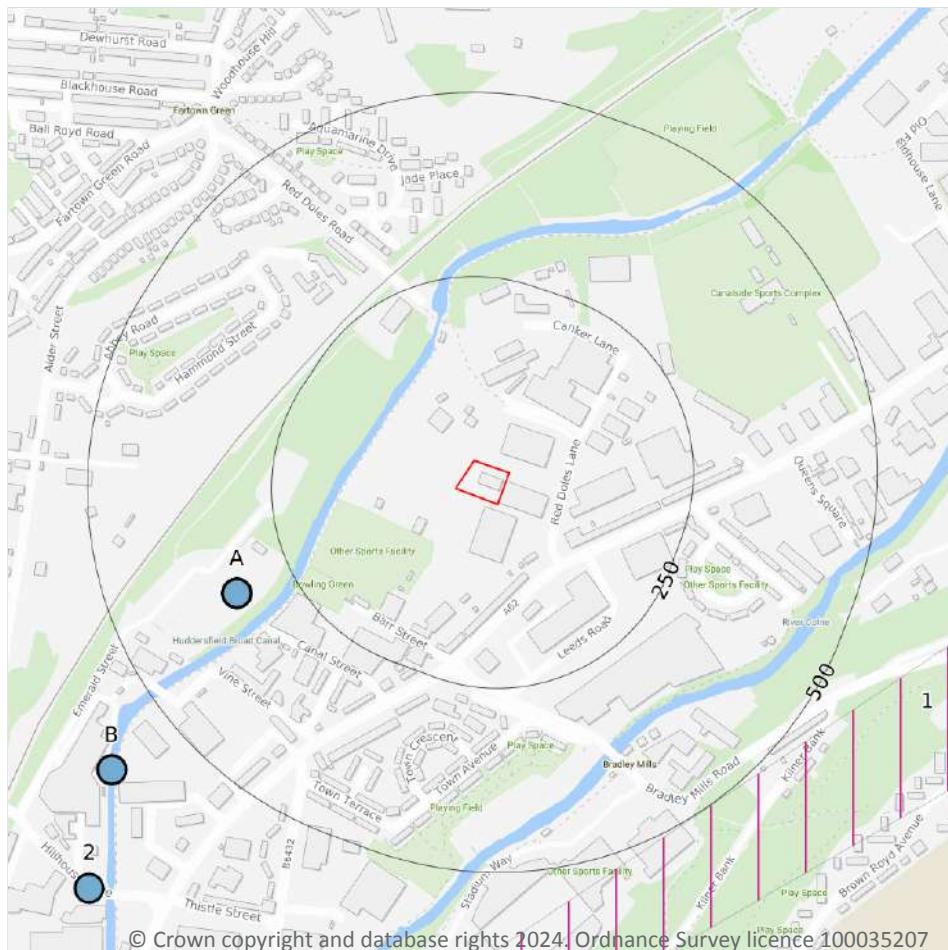
## 5.5 Groundwater vulnerability- local information

|                        |          |
|------------------------|----------|
| <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  
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

50

Licensed groundwater abstractions for sites extracting more than 20 cubic metres of water a day and includes active and historical records. The data may be for a single abstraction point, between two points (line data) or a larger area.

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

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



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



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



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



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





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



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



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



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



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



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

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

## 5.7 Surface water abstractions

|                             |           |
|-----------------------------|-----------|
| <b>Records within 2000m</b> | <b>23</b> |
|-----------------------------|-----------|

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

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

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



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





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

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



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



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



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

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

## 5.8 Potable abstractions

### Records within 2000m

7

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

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

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



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



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

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

## 5.9 Source Protection Zones

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

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)

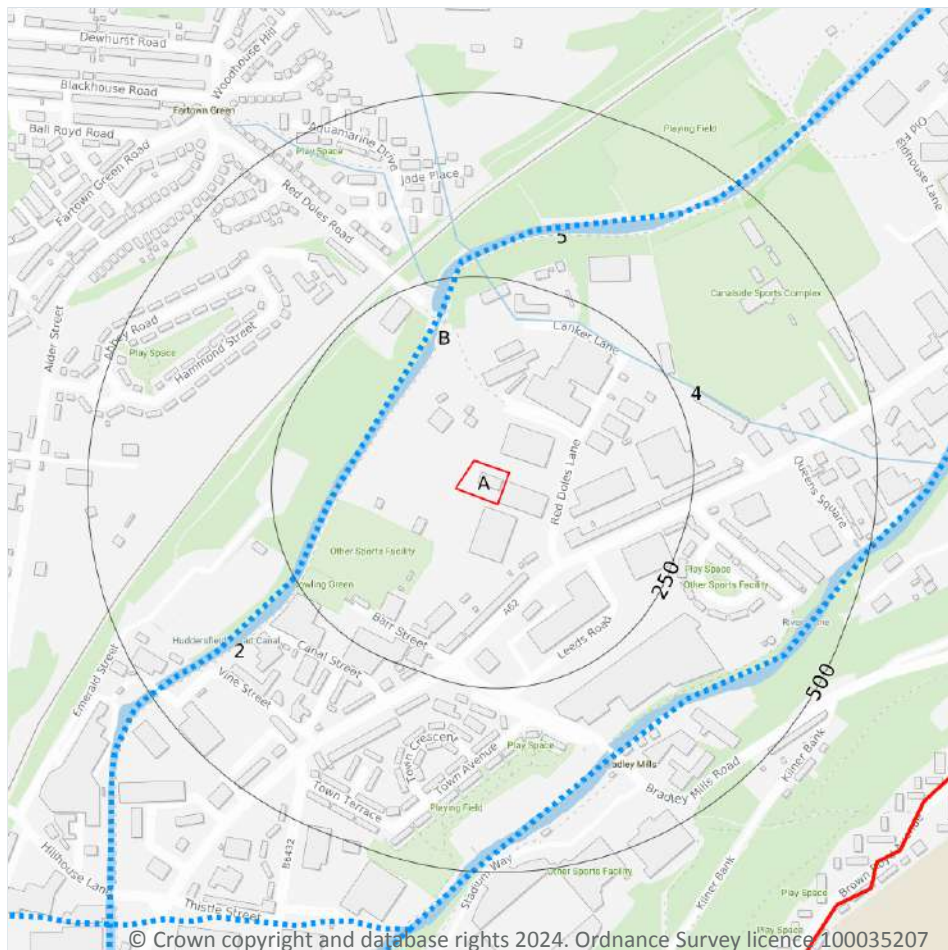
|                            |          |
|----------------------------|----------|
| <b>Records within 500m</b> | <b>0</b> |
|----------------------------|----------|

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

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



## 6 Hydrology



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

### 6.1 Water Network (OS MasterMap)

Records within 250m

8

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

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

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



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

*This data is sourced from the Ordnance Survey.*

## 6.2 Surface water features

### Records within 250m

1

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

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

*This data is sourced from the Ordnance Survey.*

## 6.3 WFD Surface water body catchments

### Records on site

1

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



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

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

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

## 6.4 WFD Surface water bodies

|                           |          |
|---------------------------|----------|
| <b>Records identified</b> | <b>2</b> |
|---------------------------|----------|

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

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

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

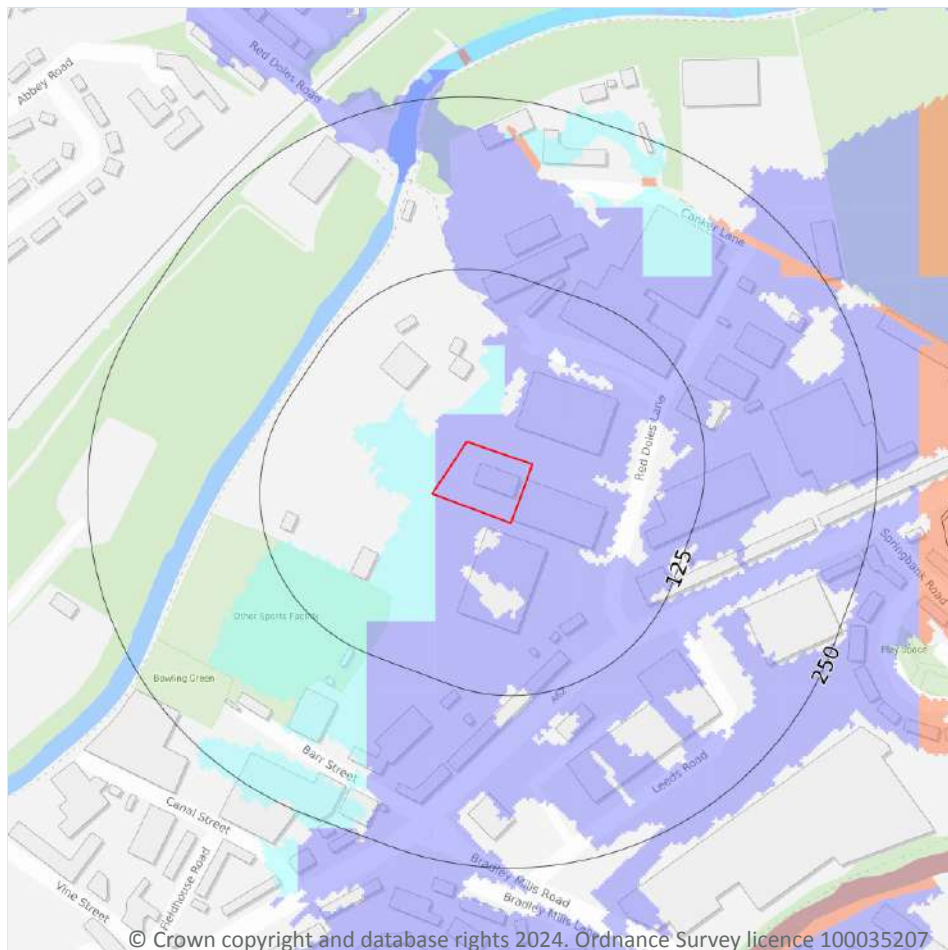


| ID | Location | Name                                                                    | Water body ID                    | Overall rating | Chemical rating | Quantitative | Year |
|----|----------|-------------------------------------------------------------------------|----------------------------------|----------------|-----------------|--------------|------|
| A  | On site  | Aire & Calder Carb<br>Limestone /<br>Millstone Grit /<br>Coal Measures. | <a href="#">GB40402G700400</a> ↗ | Poor           | Poor            | Good         | 2019 |

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



## 7 River and coastal flooding



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

### 7.1 Risk of flooding from rivers and the sea

#### Records within 50m

7

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

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



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

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

## 7.2 Historical Flood Events

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

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

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

## 7.3 Flood Defences

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

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

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

## 7.4 Areas Benefiting from Flood Defences

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

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

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

## 7.5 Flood Storage Areas

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

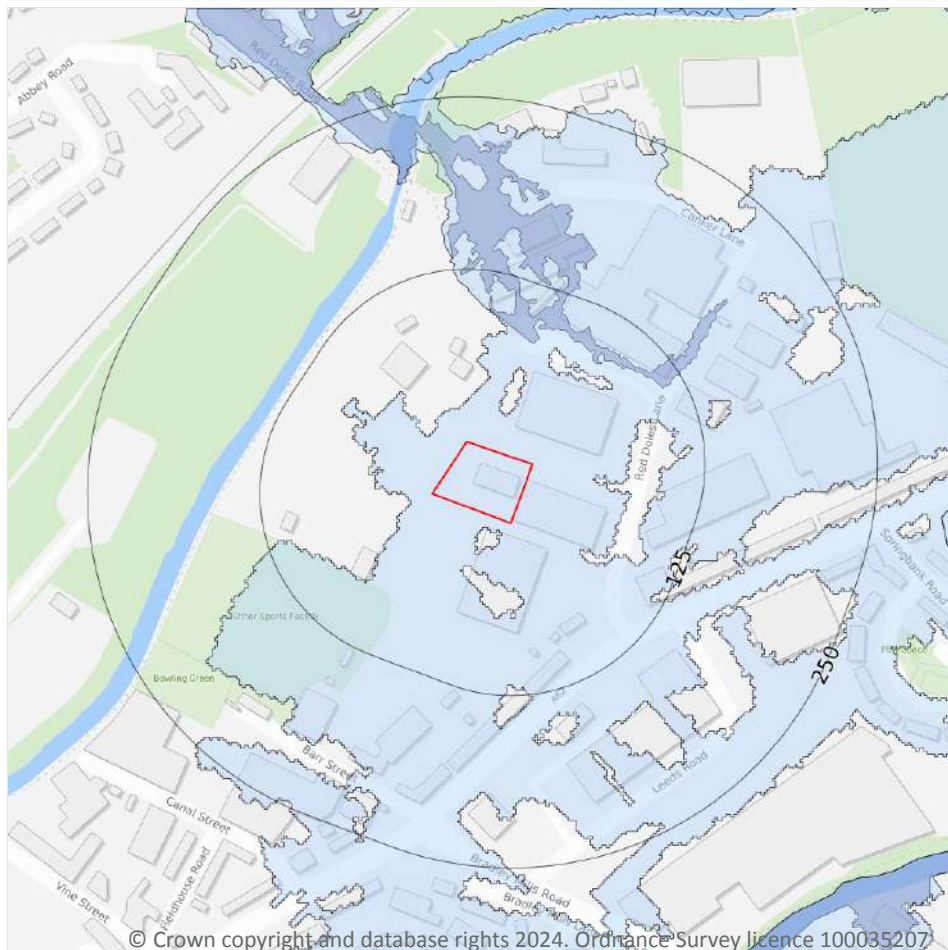
Areas that act as a balancing reservoir, storage basin or balancing pond to attenuate an incoming flood peak to a flow level that can be accepted by the downstream channel or to delay the timing of a flood peak so that its volume is discharged over a longer period.

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





## River and coastal flooding - Flood Zones



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

### 7.6 Flood Zone 2

#### Records within 50m

1

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

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

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

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





## 7.7 Flood Zone 3

Records within 50m

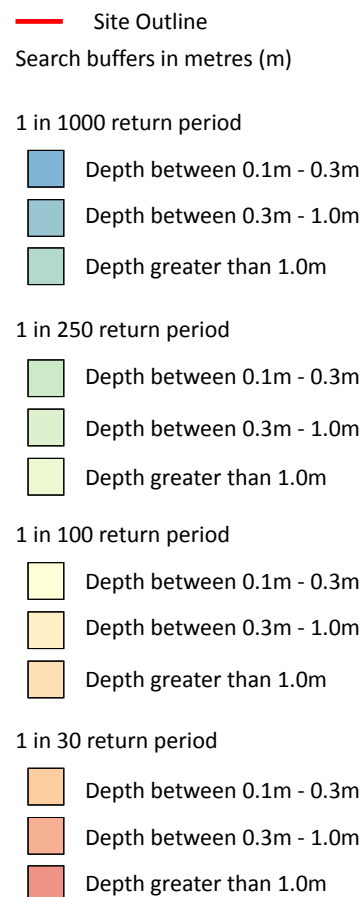
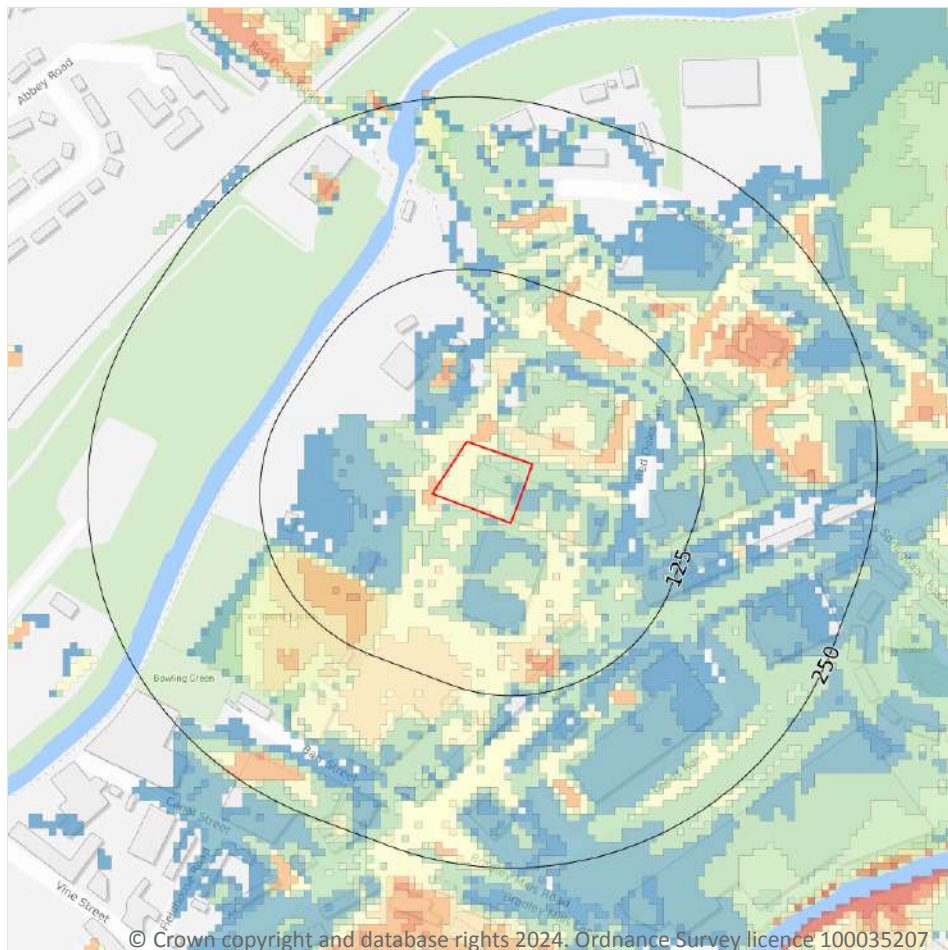
0

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

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



## 8 Surface water flooding



### 8.1 Surface water flooding

**Highest risk on site**

**1 in 30 year, 0.1m - 0.3m**

**Highest risk within 50m**

**1 in 30 year, 0.3m - 1.0m**

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

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

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

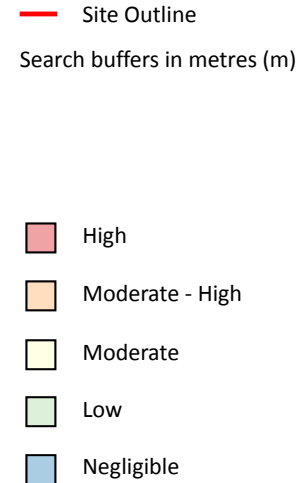
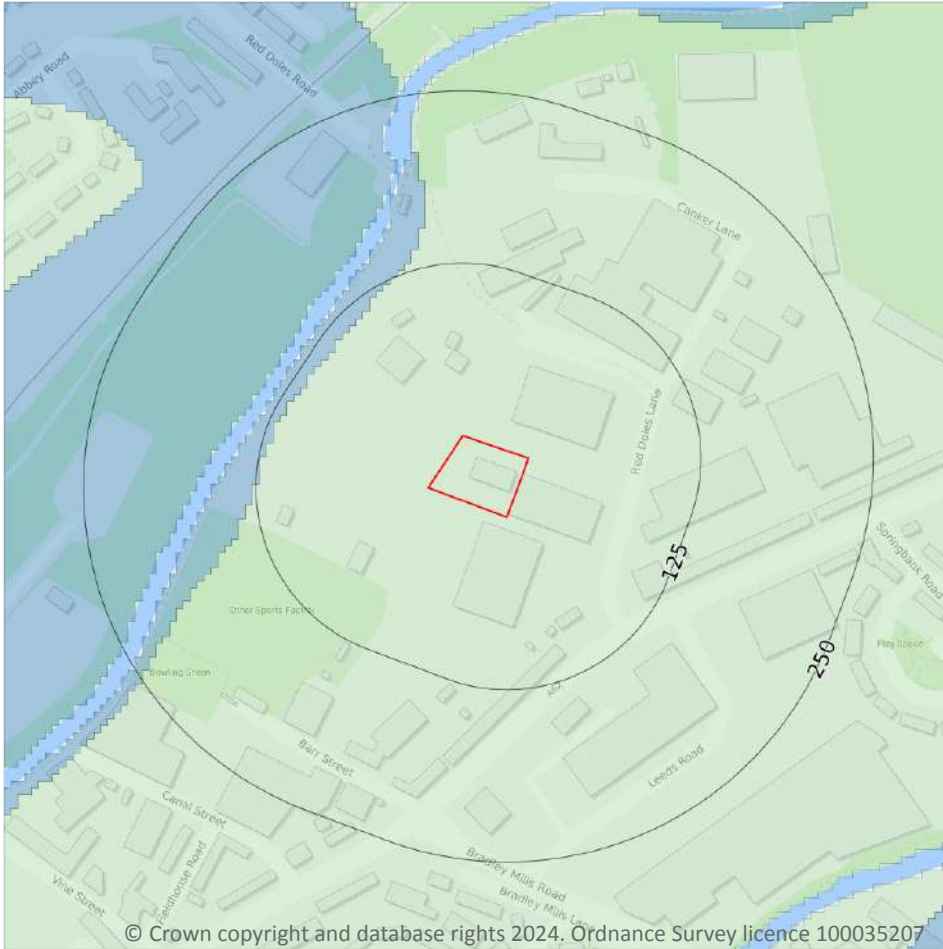
The table below shows the maximum flood depths for a range of return periods for the site.

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

*This data is sourced from Ambiental Risk Analytics.*



## 9 Groundwater flooding



### 9.1 Groundwater flooding

Highest risk on site

Low

Highest risk within 50m

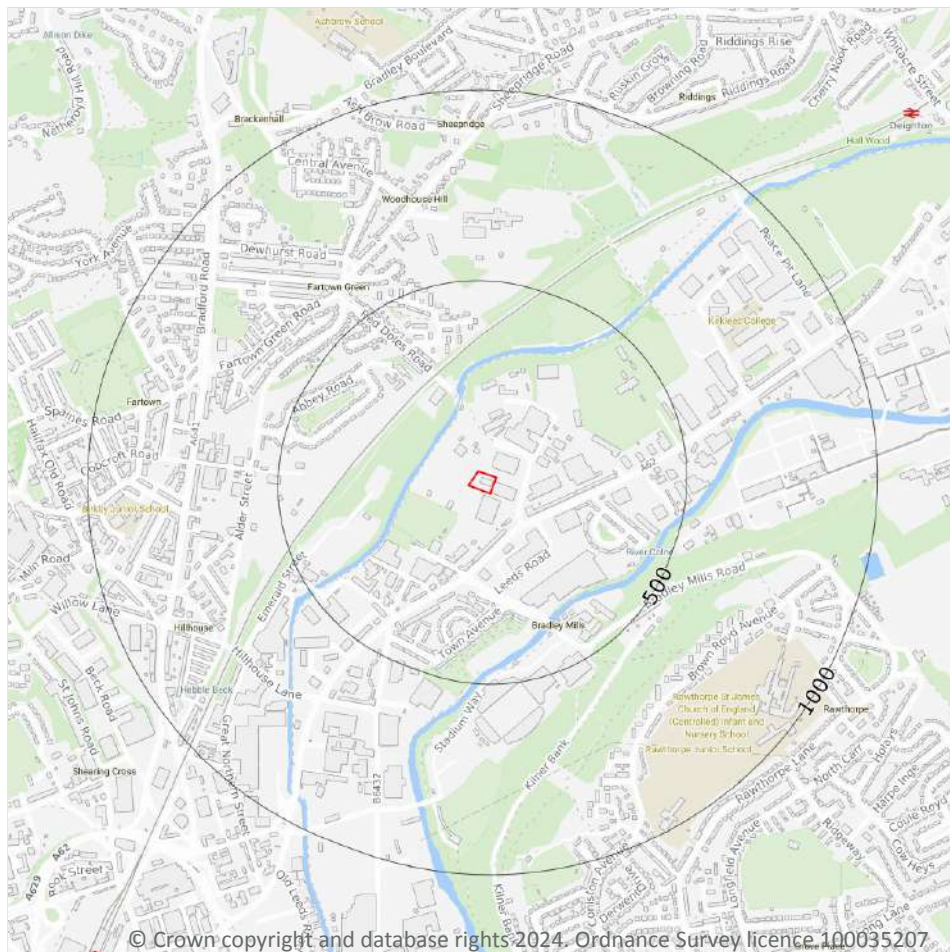
Low

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

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

*This data is sourced from Ambiantal Risk Analytics.*

## 10 Environmental designations



- 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 101 >](#)

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

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

## 10.7 Designated Ancient Woodland

Records within 2000m

5

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

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

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

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

## 10.8 Biosphere Reserves

Records within 2000m

0

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





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

## 10.9 Forest Parks

Records within 2000m

0

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

*This data is sourced from the Forestry Commission.*

## 10.10 Marine Conservation Zones

Records within 2000m

0

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

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

## 10.11 Green Belt

Records within 2000m

2

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

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

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

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

## 10.12 Proposed Ramsar sites

Records within 2000m

0

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

*This data is sourced from Natural England.*



### 10.13 Possible Special Areas of Conservation (pSAC)

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

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

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

### 10.14 Potential Special Protection Areas (pSPA)

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

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

*This data is sourced from Natural England.*

### 10.15 Nitrate Sensitive Areas

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

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

*This data is sourced from Natural England.*

### 10.16 Nitrate Vulnerable Zones

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

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

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



## SSSI Impact Zones and Units

### 10.17 SSSI Impact Risk Zones

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

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

*This data is sourced from Natural England.*

### 10.18 SSSI Units

|                      |   |
|----------------------|---|
| Records within 2000m | 0 |
|----------------------|---|

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



- Site Outline
- Search buffers in metres (m)
- Listed buildings
- Conservation areas
- Conservation areas - no data
- National Parks
- Areas of Outstanding Natural Beauty
- Registered parks and gardens
- Scheduled Monuments
- World Heritage Sites

### 11.1 World Heritage Sites

Records within 250m

0

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

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

## 11.2 Area of Outstanding Natural Beauty

Records within 250m

0

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

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

## 11.3 National Parks

Records within 250m

0

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

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

## 11.4 Listed Buildings

Records within 250m

1

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

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

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

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



## 11.5 Conservation Areas

Records within 250m

0

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

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

## 11.6 Scheduled Ancient Monuments

Records within 250m

0

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

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

## 11.7 Registered Parks and Gardens

Records within 250m

0

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

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



## 12 Agricultural designations



- 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

2

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

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

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

This data is sourced from Natural England.





## 12.2 Open Access Land

**Records within 250m****0**

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

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

## 12.3 Tree Felling Licences

**Records within 250m****0**

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

*This data is sourced from the Forestry Commission.*

## 12.4 Environmental Stewardship Schemes

**Records within 250m****0**

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

*This data is sourced from Natural England.*

## 12.5 Countryside Stewardship Schemes

**Records within 250m****0**

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

*This data is sourced from Natural England.*

## 13 Habitat designations



- 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

3

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

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

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

This data is sourced from Natural England.



## 13.2 Habitat Networks

Records within 250m

0

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

*This data is sourced from Natural England.*

## 13.3 Open Mosaic Habitat

Records within 250m

0

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

*This data is sourced from Natural England.*

## 13.4 Limestone Pavement Orders

Records within 250m

0

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

*This data is sourced from Natural England.*



## 14 Geology 1:10,000 scale - Availability



— Site Outline  
Search buffers in metres (m)

- Full coverage
- Partial coverage
- No coverage

### 14.1 10k Availability

#### Records within 500m

2

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

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

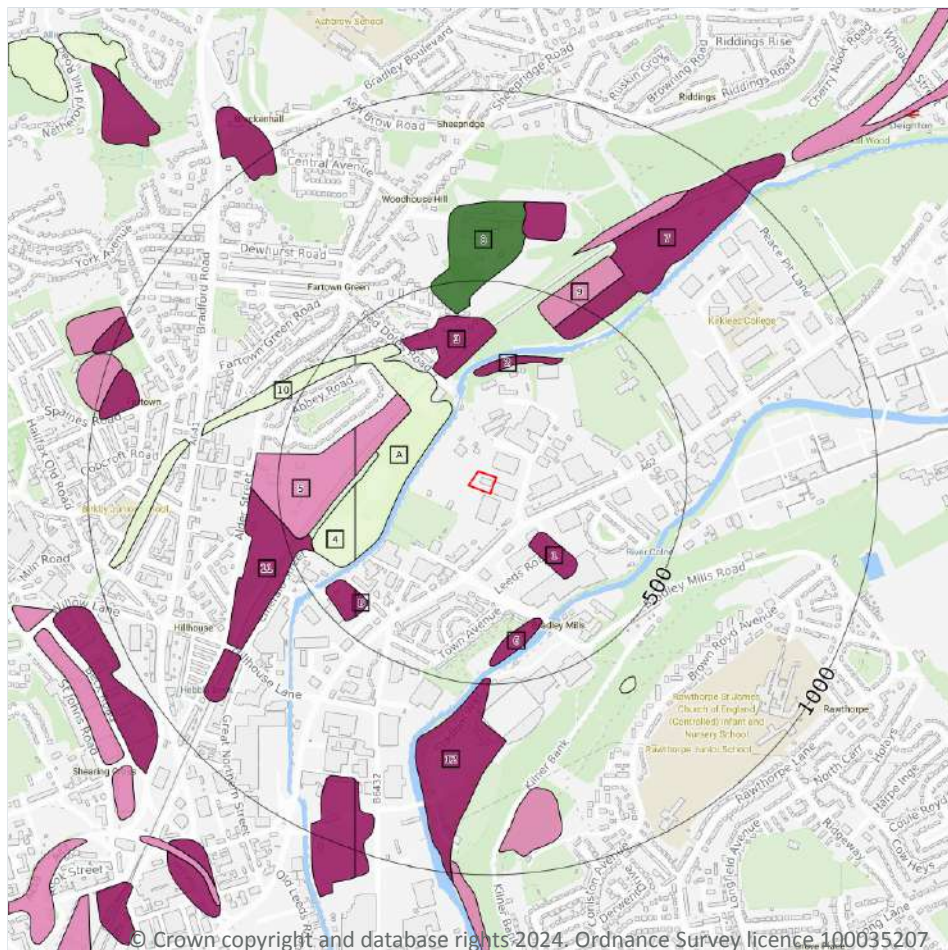
| ID | Location | Artificial | Superficial | Bedrock | Mass movement | Sheet No. |
|----|----------|------------|-------------|---------|---------------|-----------|
| 1  | On site  | Full       | Full        | Full    | Full          | SE11NE    |
| 2  | 298m W   | Full       | Full        | Full  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

This data is sourced from the British Geological Survey.





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



- Site Outline**
- Search buffers in metres (m)**
- Reclaimed ground
  - Made ground
  - Worked ground
  - Infilled ground
  - Disturbed ground
  - Landscaped ground

### 14.2 Artificial and made ground (10k)

Records within 500m

16

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

Features are displayed on the Geology 1:10,000 scale - Artificial and made ground map on [page 115](#) >

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

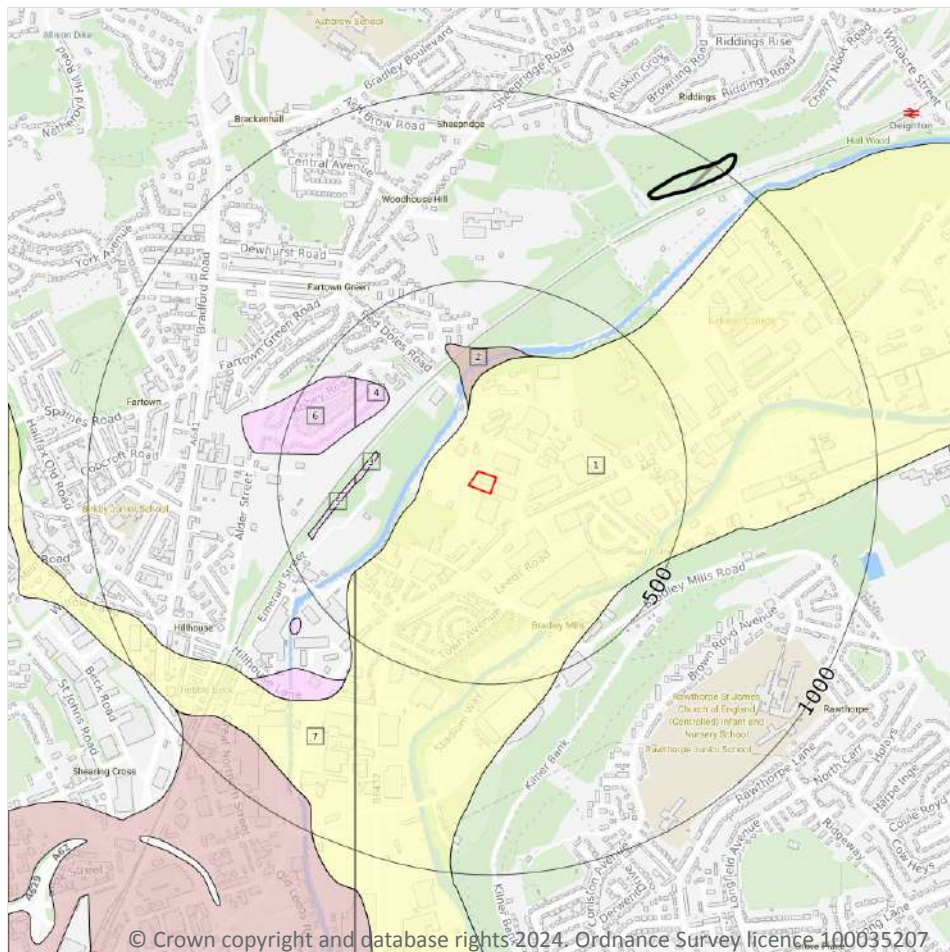


| ID | Location | LEX Code     | Description                   | Rock description           |
|----|----------|--------------|-------------------------------|----------------------------|
| 3  | 257m N   | MGR-ARTDP    | Made Ground (Undivided)       | Artificial Deposit         |
| 4  | 298m W   | WMGR-ARTDP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

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



## Geology 1:10,000 scale - Superficial



- Site Outline
- Search buffers in metres (m)
- Landslip (10k)
- Superficial geology (10k)  
Please see table for more details.

### 14.3 Superficial geology (10k)

#### Records within 500m

7

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

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

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





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

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

## 14.4 Landslip (10k)

Records within 500m

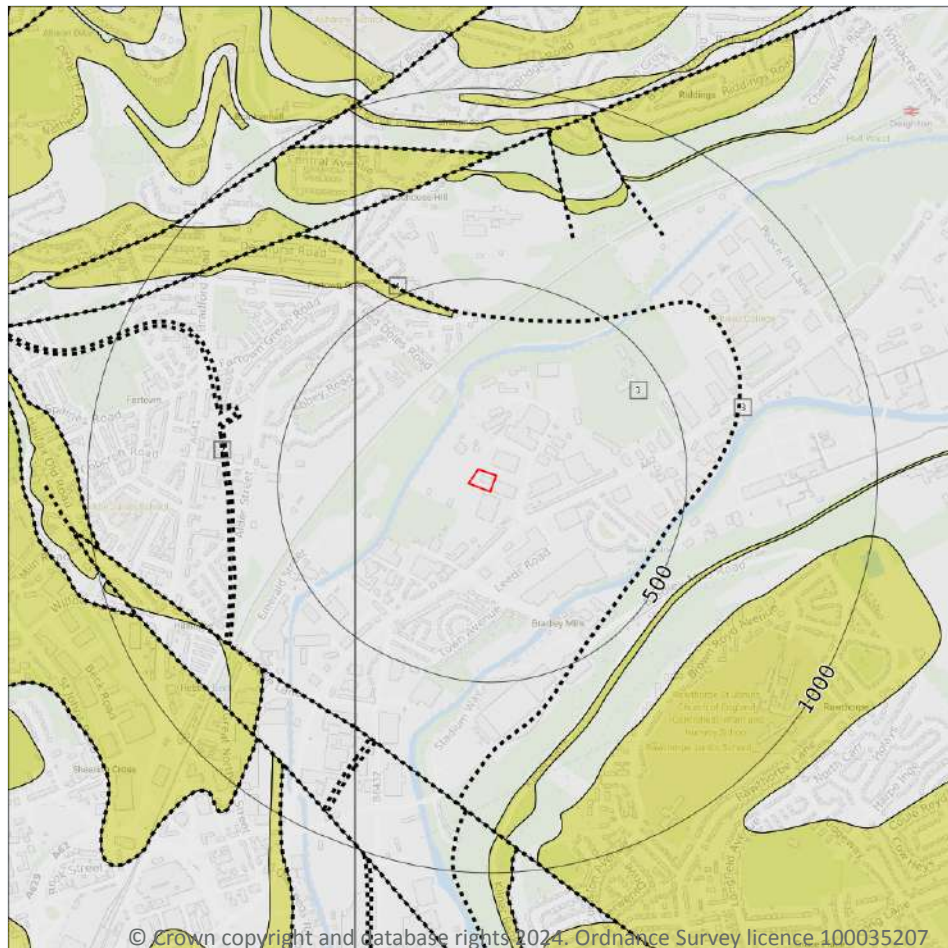
0

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

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



## Geology 1:10,000 scale - Bedrock



**— Site Outline**

**Search buffers in metres (m)**

**.... Bedrock faults and other linear features (10k)**

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

### 14.5 Bedrock geology (10k)

#### Records within 500m

3

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

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

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



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

## 14.6 Bedrock faults and other linear features (10k)

### Records within 500m

**1**

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

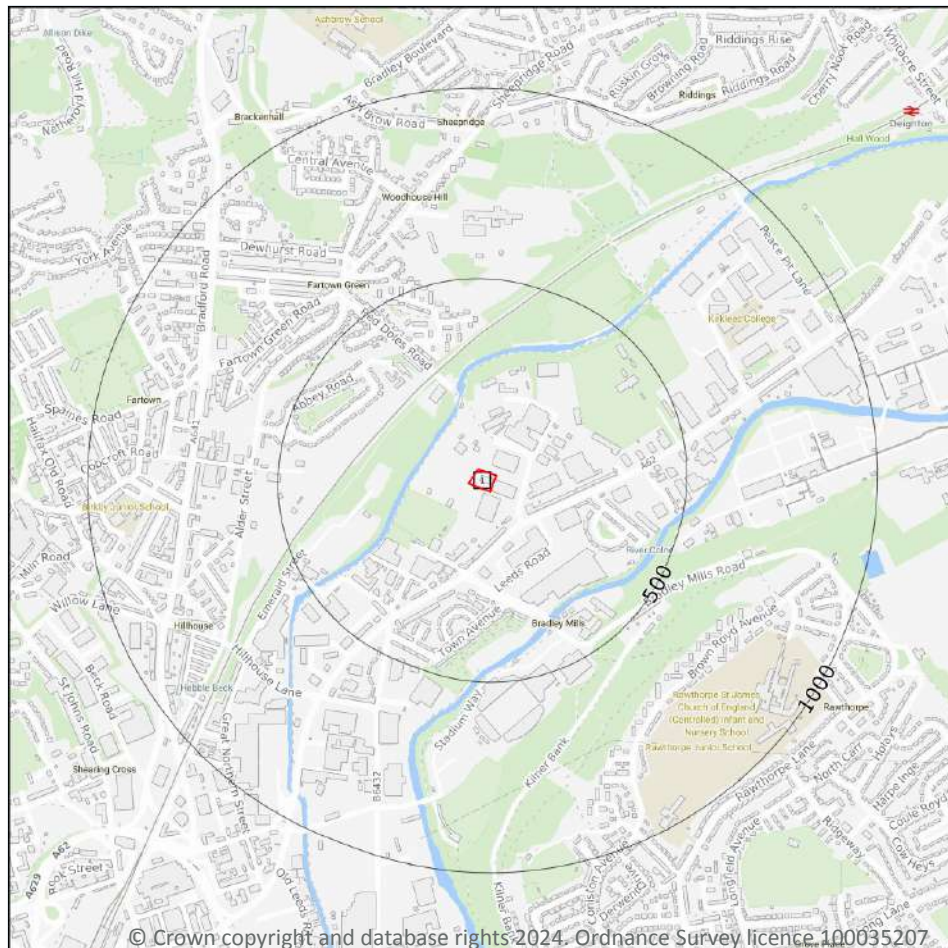
Features are displayed on the Geology 1:10,000 scale - Bedrock map on [page 119 >](#)

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

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



## 15 Geology 1:50,000 scale - Availability



— Site Outline

Search buffers in metres (m)

□ Geological map tile

### 15.1 50k Availability

#### Records within 500m

1

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

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

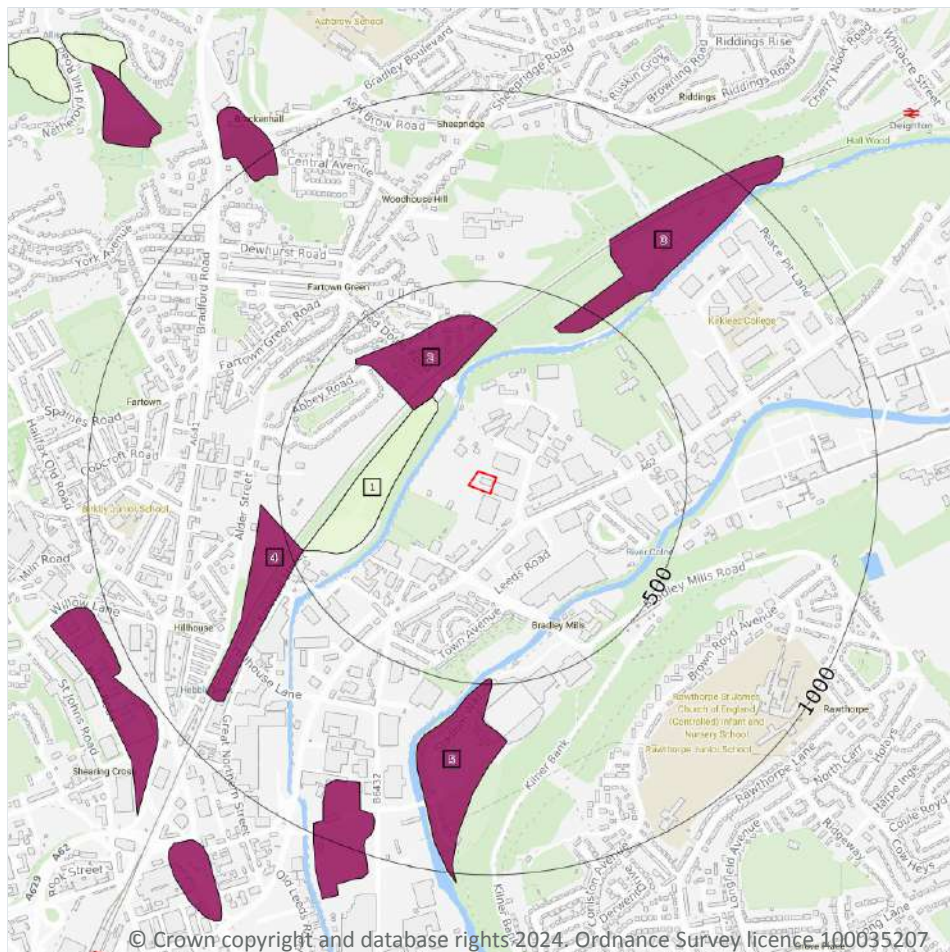
| ID | Location | Artificial | Superficial | Bedrock | Mass movement | Sheet No.             |
|----|----------|------------|-------------|---------|---------------|-----------------------|
| 1  | On site  | Full       | Full        | Full    | Full          | EW077_huddersfield_v4 |

This data is sourced from the British Geological Survey.





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



- 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 122](#) >

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



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

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

### 15.3 Artificial ground permeability (50k)

Records within 50m

0

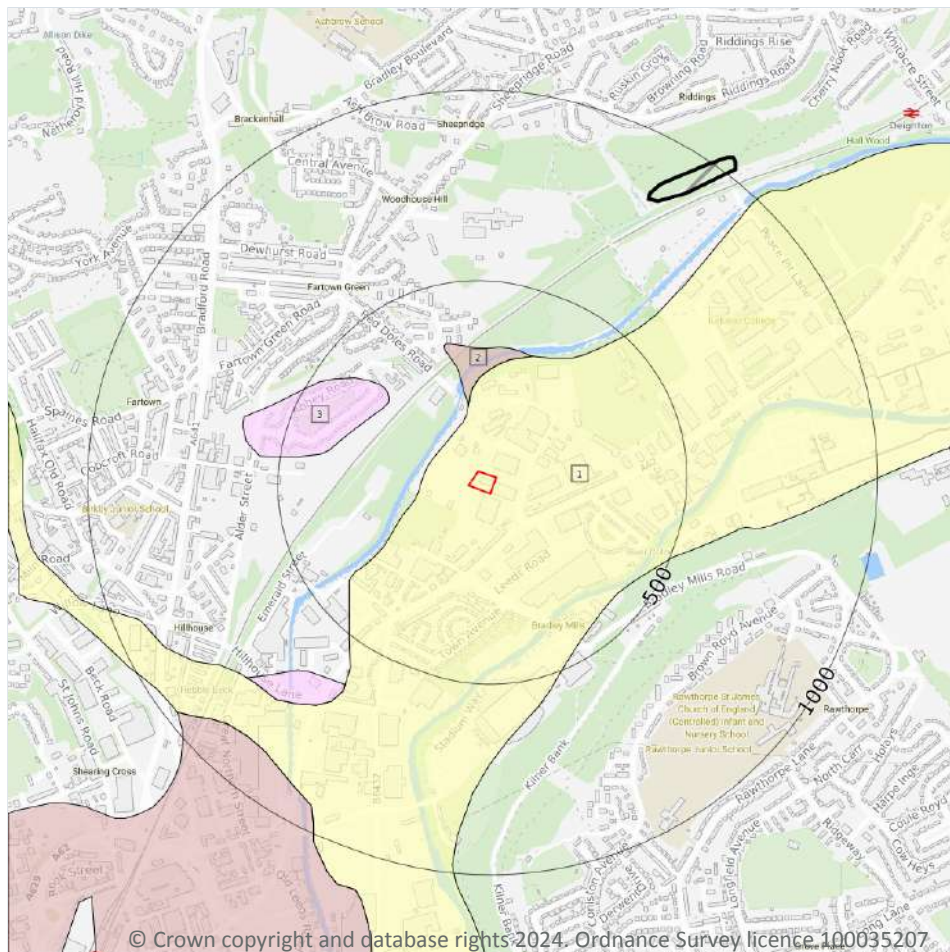
A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any artificial deposits (the zone between the land surface and the water table).

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





## Geology 1:50,000 scale - Superficial



— Site Outline

Search buffers in metres (m)

▣ Landslip (50k)

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

### 15.4 Superficial geology (50k)

#### Records within 500m

3

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

Features are displayed on the Geology 1:50,000 scale - Superficial map on [page 124](#) >

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



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

## 15.5 Superficial permeability (50k)

Records within 50m

1

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

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

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

## 15.6 Landslip (50k)

Records within 500m

0

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

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

## 15.7 Landslip permeability (50k)

Records within 50m

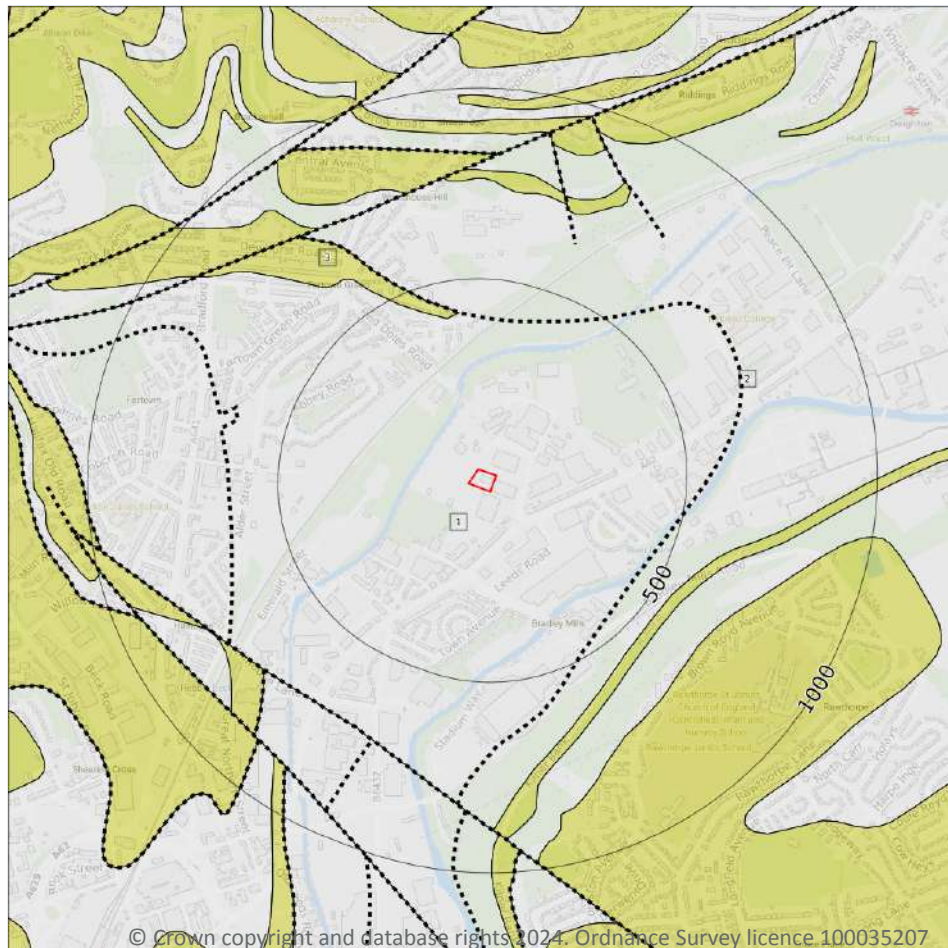
0

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

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



## Geology 1:50,000 scale - Bedrock



— Site Outline

Search buffers in metres (m)

.... Bedrock faults and other linear features (50k)

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

### 15.8 Bedrock geology (50k)

#### Records within 500m

2

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

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

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

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



## 15.9 Bedrock permeability (50k)

### Records within 50m

**1**

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

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

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

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

### Records within 500m

**1**

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

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

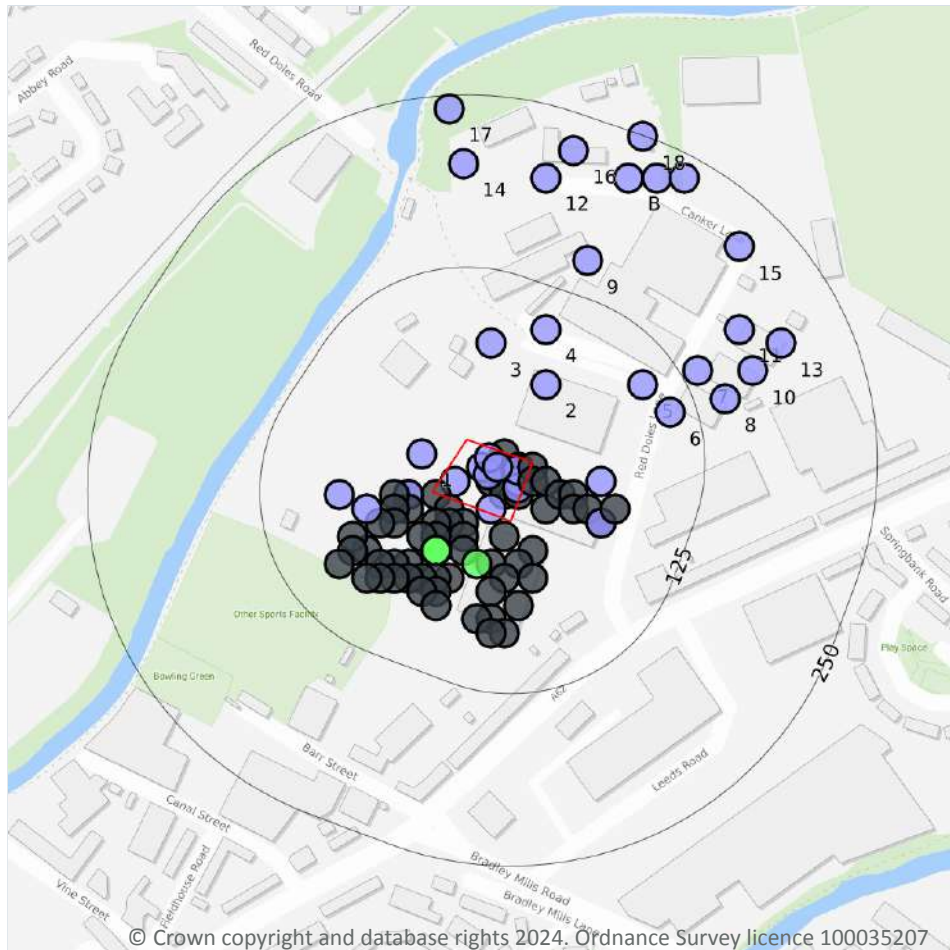
| ID | Location | Category | Description         |
|----|----------|----------|---------------------|
| 2  | 396m N   | ROCK     | Coal seam, inferred |

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





## 16 Boreholes



- Site Outline**
- Search buffers in metres (m)
- Confidential
  - 0 - 10m
  - 10 - 30m
  - 30m+
  - Unknown

### 16.1 BGS Boreholes

#### Records within 250m

109

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

Features are displayed on the Boreholes map on [page 128 >](#)

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



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





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



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



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

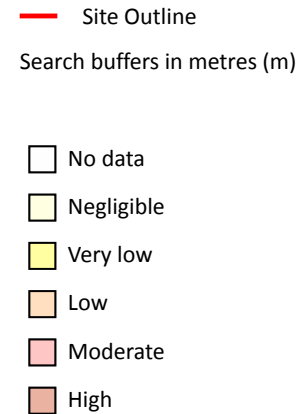
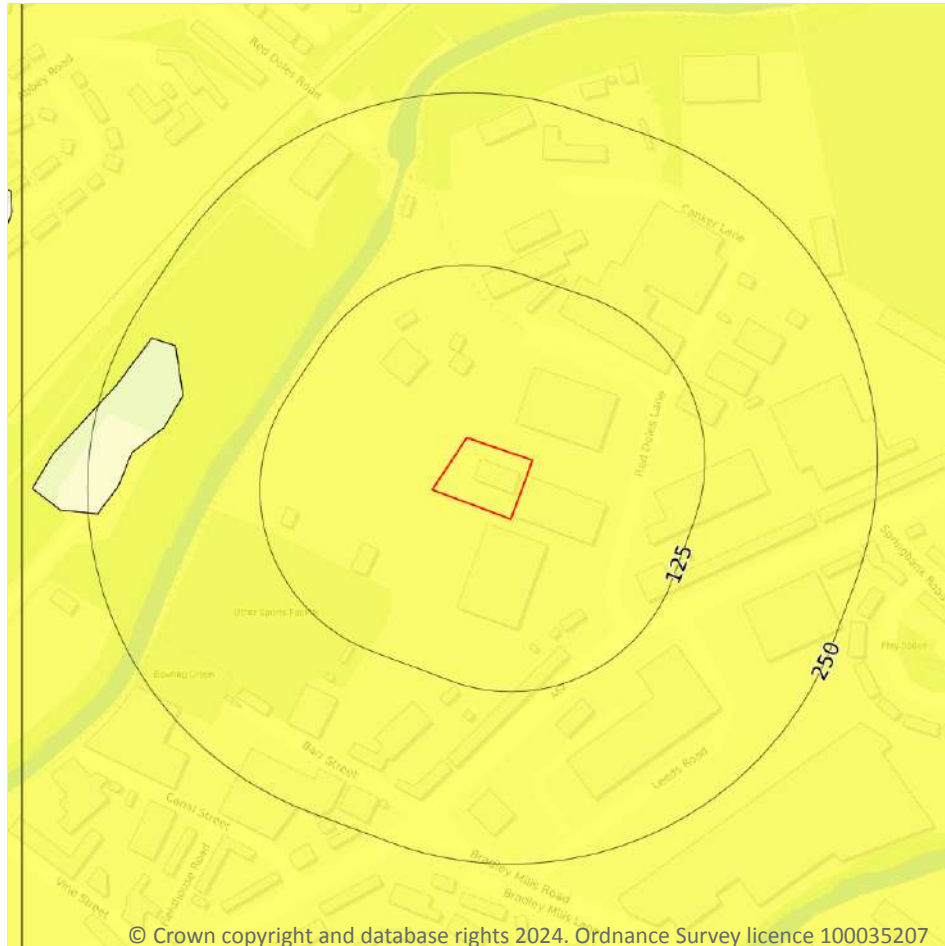


| ID | Location | Grid reference | Name                            | Length | Confidential | Web link                   |
|----|----------|----------------|---------------------------------|--------|--------------|----------------------------|
| 15 | 217m NE  | 415520 418320  | RED DOLES LANE 15    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

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



## 17 Natural ground subsidence - Shrink swell clays



### 17.1 Shrink swell clays

#### Records within 50m

1

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

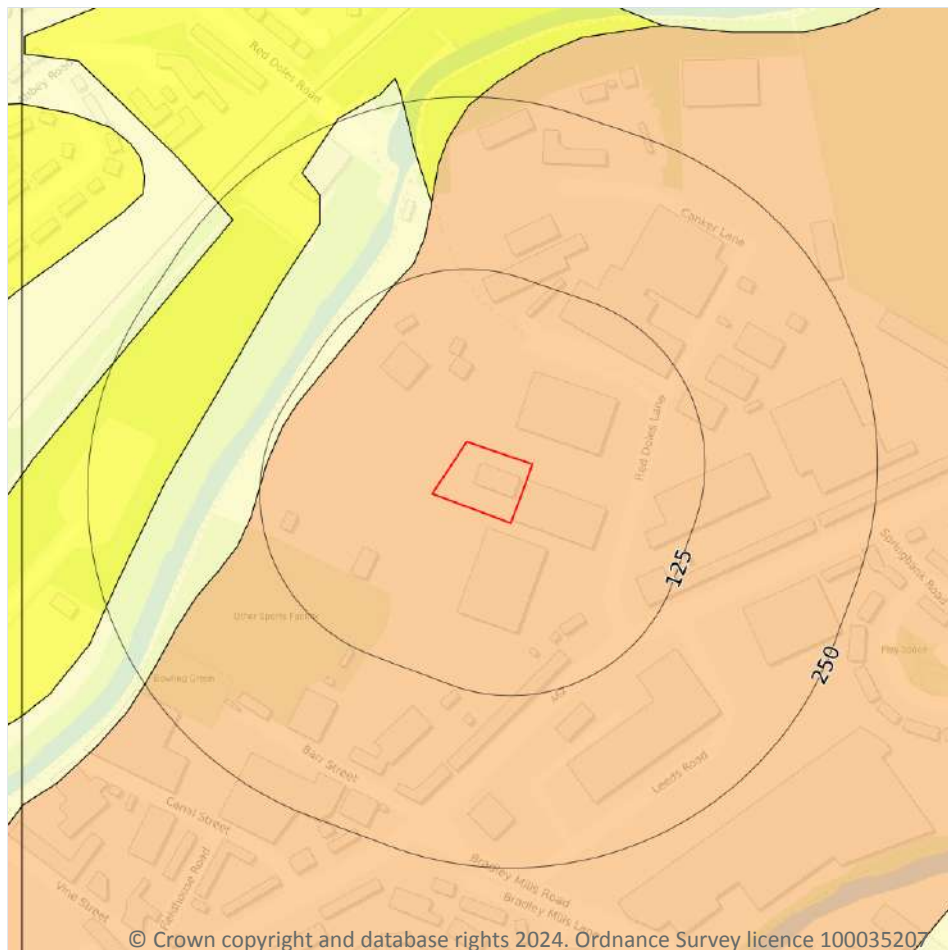
Features are displayed on the Natural ground subsidence - Shrink swell clays map on [page 134](#) >

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

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



## Natural ground subsidence - Running sands



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

### 17.2 Running sands

#### Records within 50m

1

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

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

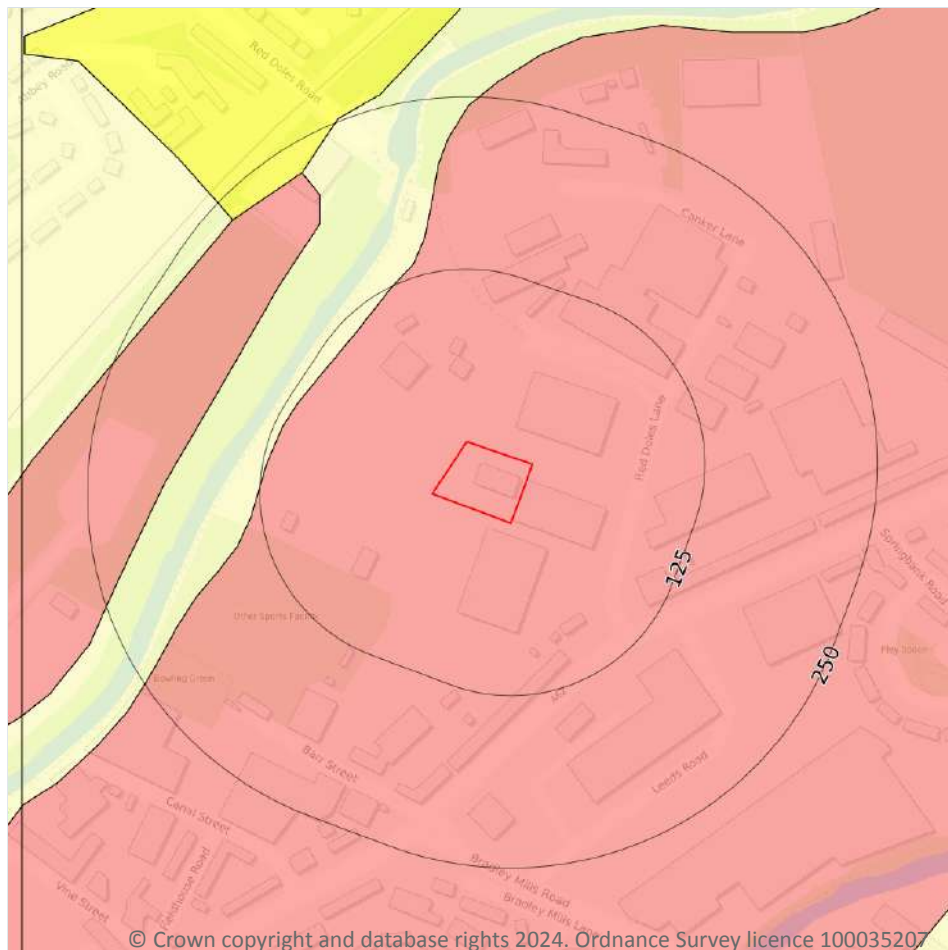
| Location | Hazard rating | Details                                                                                                                              |
|----------|---------------|--------------------------------------------------------------------------------------------------------------------------------------|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

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





## Natural ground subsidence - Compressible deposits



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

### 17.3 Compressible deposits

#### Records within 50m

1

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

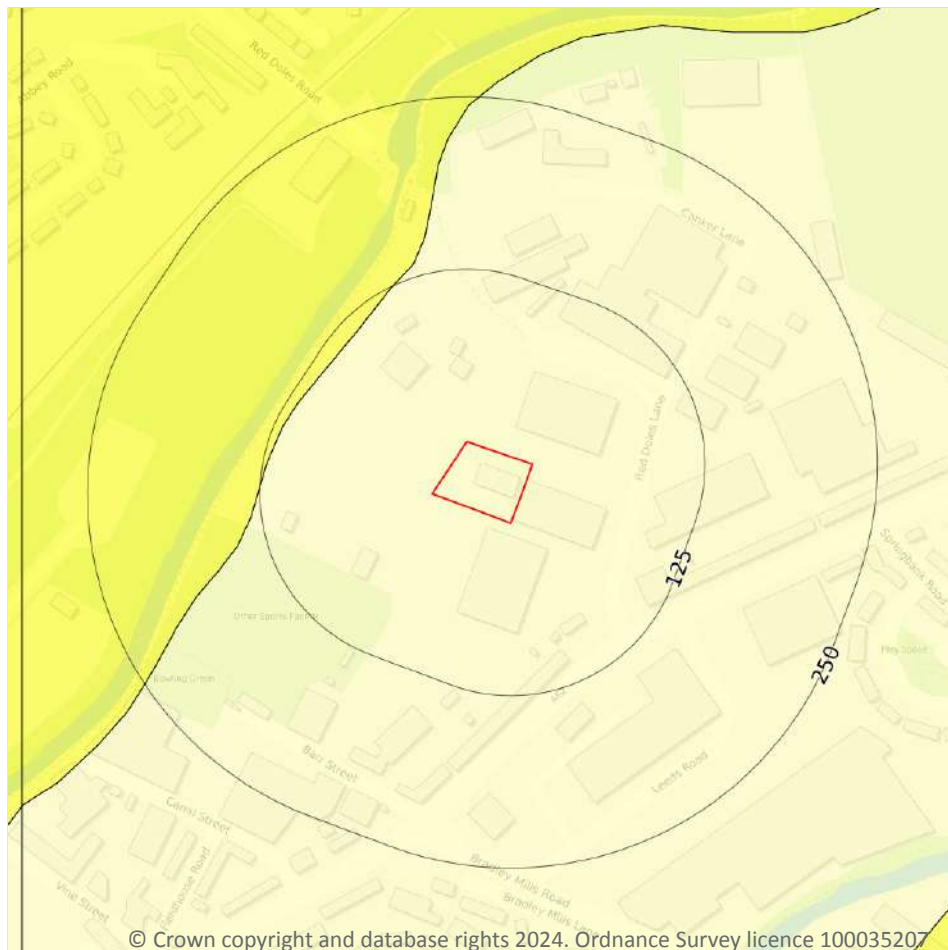
Features are displayed on the Natural ground subsidence - Compressible deposits map on [page 136 >](#)

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

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



## Natural ground subsidence - Collapsible deposits



- 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.

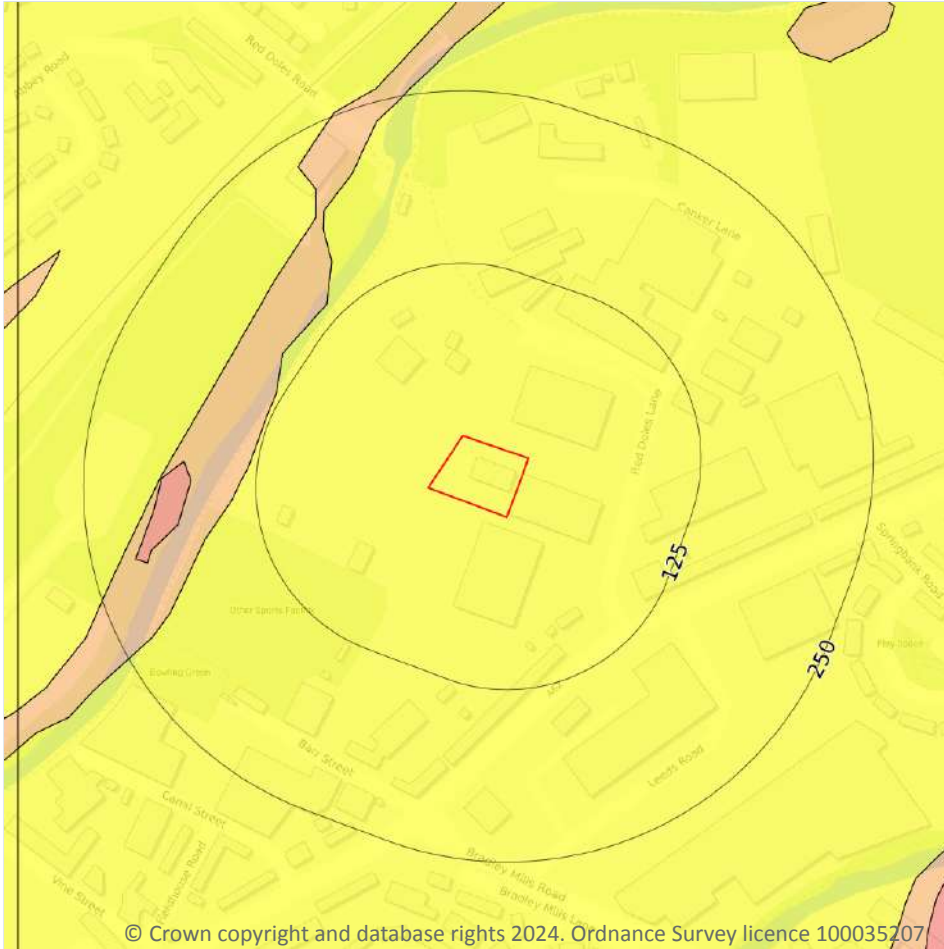
Features are displayed on the Natural ground subsidence - Collapsible deposits map on [page 137 >](#)

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

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



## Natural ground subsidence - Landslides



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

### 17.5 Landslides

#### Records within 50m

1

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

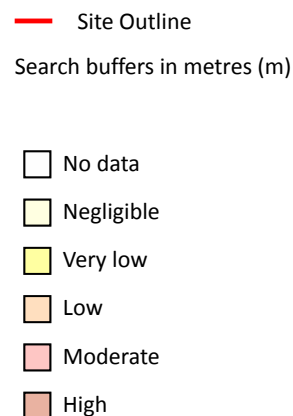
Features are displayed on the Natural ground subsidence - Landslides map on [page 138](#) >

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

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



## Natural ground subsidence - Ground dissolution of soluble rocks



### 17.6 Ground dissolution of soluble rocks

#### Records within 50m

1

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

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

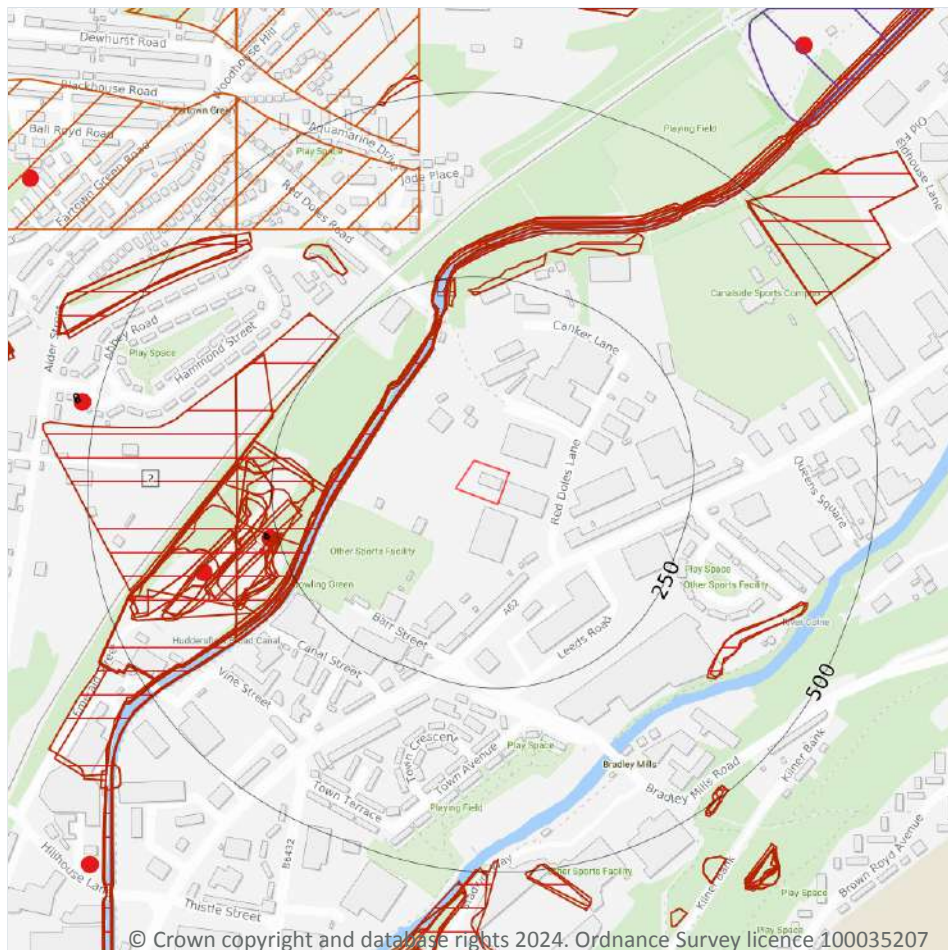
| Location | Hazard rating | Details                                                                                                                                             |
|----------|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|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

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





## 18 Mining and ground workings



- Site Outline
- Search buffers in metres (m)
- BritPits
- Surface ground workings
- Underground workings
- Underground mining extents
- Historical mineral planning areas
- TCA non-coal mining
- Non Coal Mining
- Sporadic underground mining of restricted extent possible
- Localised small scale underground mining possible
- Small scale mining possible
- Underground mining known or likely within or in close proximity
- Underground mining known within or in very close proximity

### 18.1 BritPits

#### Records within 500m

2

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

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



| ID | Location | Details                                                                                                               | Description                                                                                                                                                                                                                                                                                                                                                                                                        |
|----|----------|-----------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| C  | 261m W   | Name: Fartown Colliery<br>Address: Fartown, HUDDERSFIELD, West 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 |
| C  | 361m W   | Name: Hillhouse Road Brickworks<br>Address: HUDDERSFIELD, West Yorkshire<br>Commodity: Clay & Shale<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                                                                           |

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

## 18.2 Surface ground workings

|                            |           |
|----------------------------|-----------|
| <b>Records within 250m</b> | <b>25</b> |
|----------------------------|-----------|

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

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

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



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

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

## 18.3 Underground workings

### Records within 1000m

5

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

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

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

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



## 18.4 Underground mining extents

### Records within 500m

**0**

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

*This data is sourced from Groundsure.*

## 18.5 Historical Mineral Planning Areas

### Records within 500m

**0**

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

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

## 18.6 Non-coal mining

### Records within 1000m

**12**

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

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

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



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

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

## 18.7 JPB mining areas

Records on site

0

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

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



## 18.8 The Coal Authority non-coal mining

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

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

*This data is sourced from The Coal Authority.*

## 18.9 Researched mining

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

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

*This data is sourced from Groundsure.*

## 18.10 Mining record office plans

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

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

*This data is sourced from Groundsure.*

## 18.11 BGS mine plans

**Records within 500m****1**

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

| Location | Mineral  |
|----------|----------|
| On site  | Fireclay |

*This data is sourced from Groundsure.*



## 18.12 Coal mining

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

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

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

*This data is sourced from the Coal Authority.*

## 18.13 Brine areas

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

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

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

## 18.14 Gypsum areas

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

Generalised areas that may be affected by gypsum extraction.

*This data is sourced from British Gypsum.*

## 18.15 Tin mining

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

Generalised areas that may be affected by historical tin mining.

*This data is sourced from Groundsure.*

## 18.16 Clay mining

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

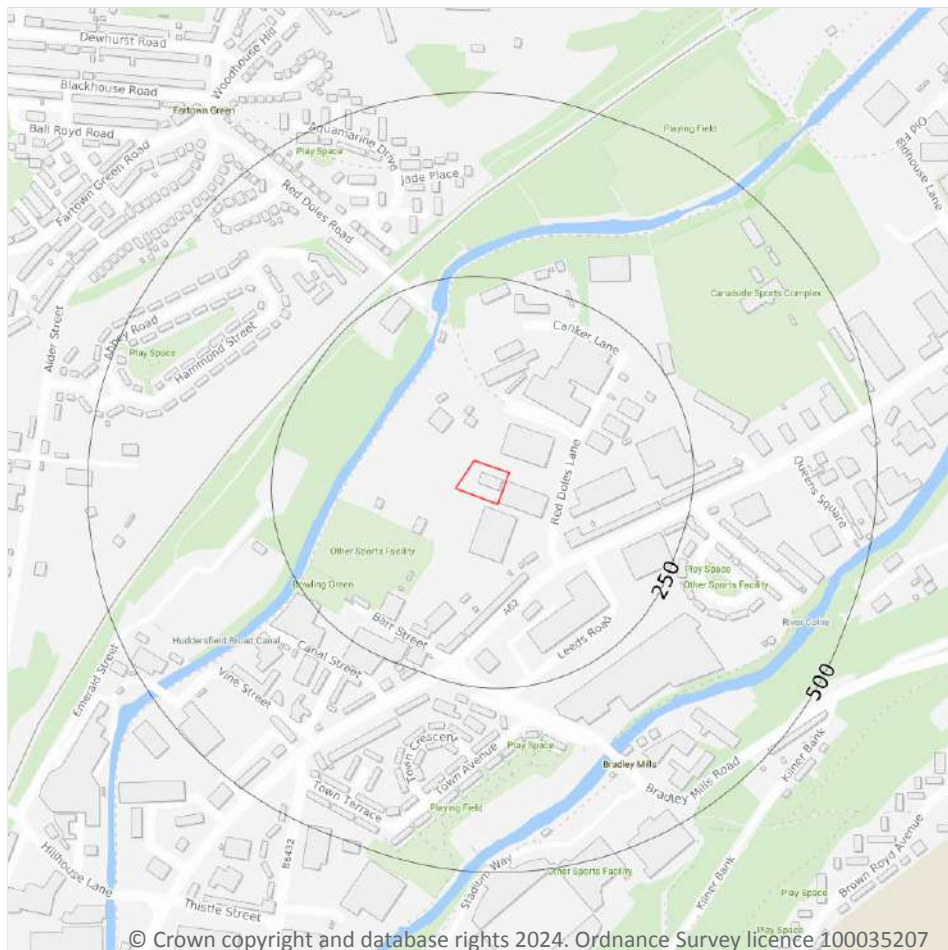
Generalised areas that may be affected by kaolin and ball clay extraction.

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





## 19 Ground cavities and sinkholes



- Site Outline
- Search buffers in metres (m)
- Natural cavities (Area)
- Natural cavities (Point)
- Mining cavities
- Reported recent incidents
- Historical incidents
- BGS karst database (Point)
- BGS karst database (Line)
- BGS karst database (Area)

### 19.1 Natural cavities

Records within 500m

0

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

*This data is sourced from Stantec UK Ltd.*

## 19.2 Mining cavities

Records within 1000m

2

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

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

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

*This data is sourced from Stantec UK Ltd.*

## 19.3 Reported recent incidents

Records within 500m

0

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

*This data is sourced from Groundsure.*

## 19.4 Historical incidents

Records within 500m

0

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

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

*This data is sourced from Groundsure.*



## 19.5 National karst database

Records within 500m

0

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

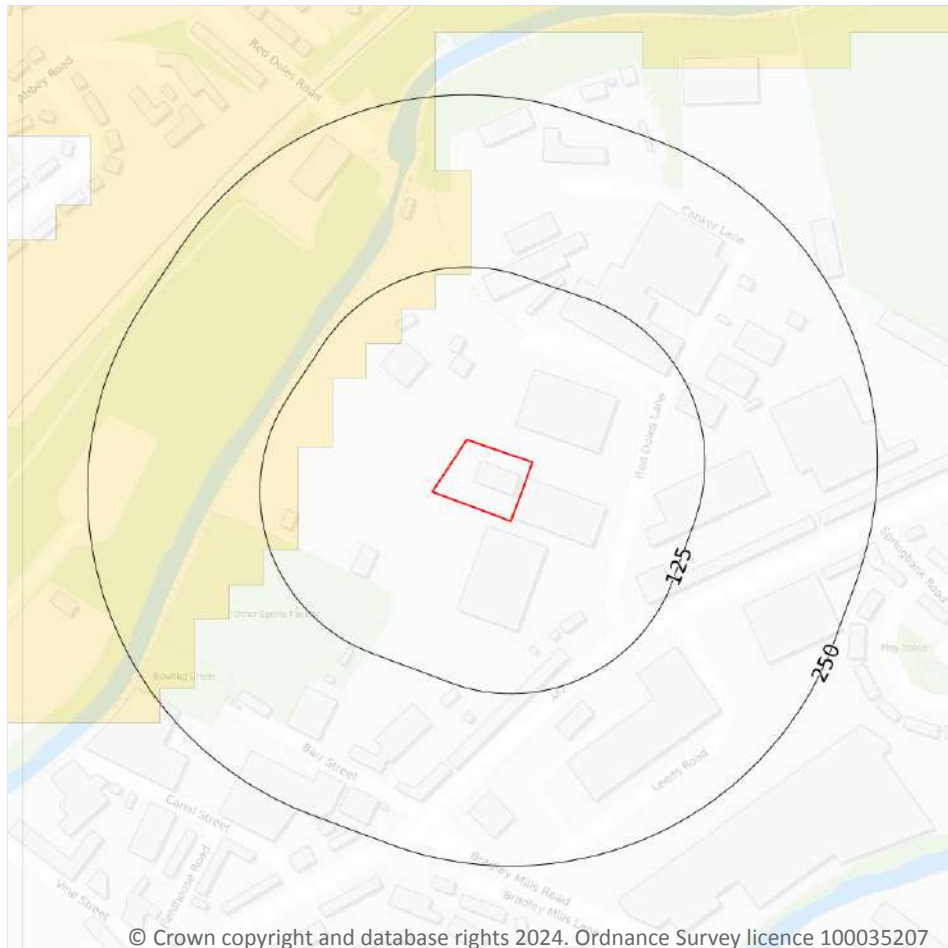
Since the database was set up in 2002 data covering most of the evaporite karst areas of the UK have now been added, along with data covering about 60% of the Chalk, and 35% of the Carboniferous Limestone outcrops. Many of the classic upland karst areas have yet to be included. Recorded so far are: Over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

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

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



## 20 Radon



— Site Outline  
Search buffers in metres (m)

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

### 20.1 Radon

#### Records on site

1

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

Features are displayed on the Radon map on [page 151](#) >

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



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



## 21 Soil chemistry

### 21.1 BGS Estimated Background Soil Chemistry

Records within 50m

1

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

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

### 21.2 BGS Estimated Urban Soil Chemistry

Records within 50m

0

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





## 22 Railway infrastructure and projects



- Site Outline
- Search buffers in metres (m)
- C1 Crossrail 1 Stations
- Crossrail 1 Route
- C2 Crossrail 2 Stations
- Crossrail 2 Route
- Crossrail 2 Worksites
- Crossrail 2 Safeguarding
- Crossrail 2 Headhouses
- Railway stations
- Active railways
- Active tunnels
- Abandoned railways
- Historic railways
- Historic tunnels
- Underground stations
- Underground Lines
- Royal Mail tunnels
- HS2 optimised route
- HS2 Stations
- HS2 Depots
- HS2 Surface Safeguarding
- HS2 Subsurface Safeguarding

### 22.1 Underground railways (London)

Records within 250m

0

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

*This data is sourced from publicly available information by Groundsure.*

### 22.2 Underground railways (Non-London)

Records within 250m

0

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



*This data is sourced from publicly available information by Groundsure.*

## 22.3 Railway tunnels

Records within 250m

0

Railway tunnels taken from contemporary Ordnance Survey mapping.

*This data is sourced from the Ordnance Survey.*

## 22.4 Historical railway and tunnel features

Records within 250m

14

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

Features are displayed on the Railway infrastructure and projects map on [page 154 >](#)

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

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



## 22.5 Royal Mail tunnels

**Records within 250m****0**

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

*This data is sourced from Groundsure/the Postal Museum.*

## 22.6 Historical railways

**Records within 250m****0**

Former railway lines, including dismantled lines, abandoned lines, disused lines, historic railways and razed lines.

*This data is sourced from OpenStreetMap.*

## 22.7 Railways

**Records within 250m****0**

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

*This data is sourced from Ordnance Survey and OpenStreetMap.*

## 22.8 Crossrail 1

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

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

*This data is sourced from publicly available information by Groundsure.*

## 22.9 Crossrail 2

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

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

*This data is sourced from publicly available information by Groundsure.*



## 22.10 HS2

Records within 500m

0

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

*This data is sourced from HS2 Ltd.*



## Data providers

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

## Terms and conditions

Groundsure's Terms and Conditions can be accessed at this link: [www.groundsure.com/terms-and-conditions-april-2023/](https://www.groundsure.com/terms-and-conditions-april-2023/) ↗.

