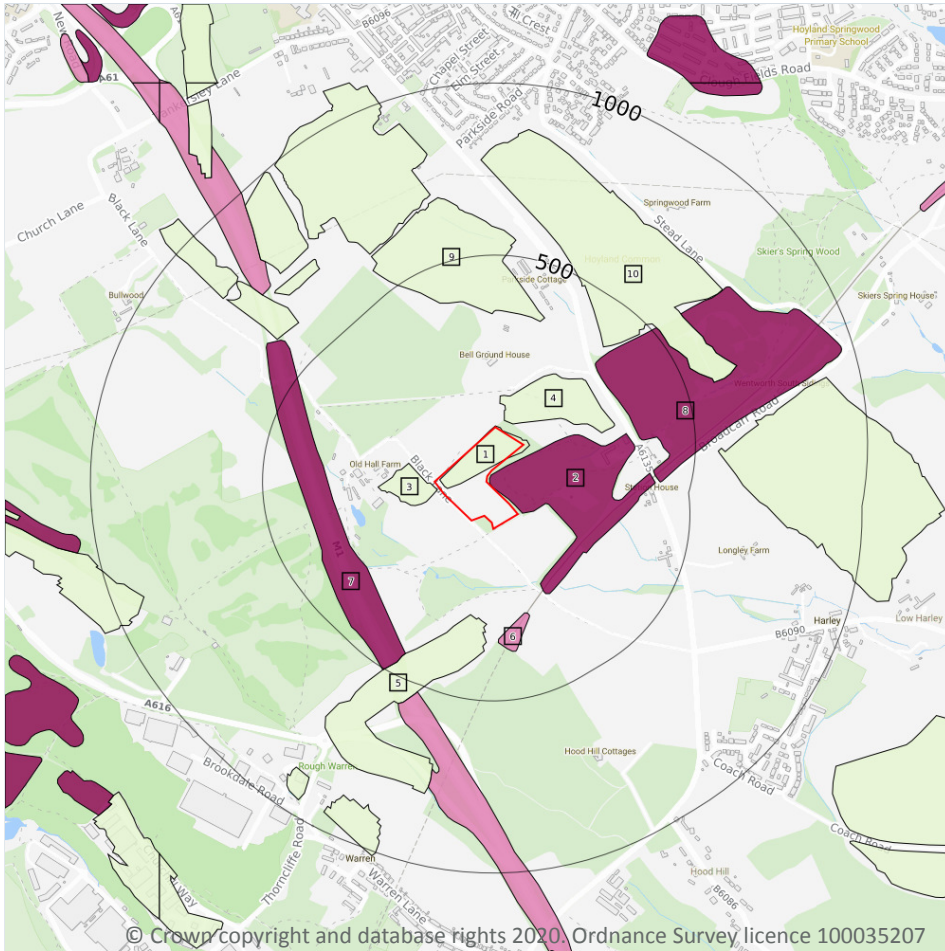


Geology 1:10,000 scale - Artificial and made ground



— Site Outline
Search buffers in metres (m)

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

14.2 Artificial and made ground (10k)

Records within 500m

10

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

Features are displayed on the Geology 1:10,000 scale - Artificial and made ground map on **page 83**

ID	Location	LEX Code	Description	Rock description
1	On site	WMGR-ARTDP	Infilled Ground	Artificial Deposit
2	1m NE	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
3	8m SW	WMGR-ARTDP	Infilled Ground	Artificial Deposit
4	31m NE	WMGR-ARTDP	Infilled Ground	Artificial Deposit



ID	Location	LEX Code	Description	Rock description
5	258m S	WMGR-ARTDP	Infilled Ground	Artificial Deposit
6	261m S	WGR-VOID	Worked Ground (Undivided)	Void
7	295m W	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
8	296m NE	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
9	330m N	WMGR-ARTDP	Infilled Ground	Artificial Deposit
10	367m NE	WMGR-ARTDP	Infilled Ground	Artificial Deposit

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Superficial

14.3 Superficial geology (10k)

Records within 500m

0

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

This data is sourced from the British Geological Survey.

14.4 Landslip (10k)

Records within 500m

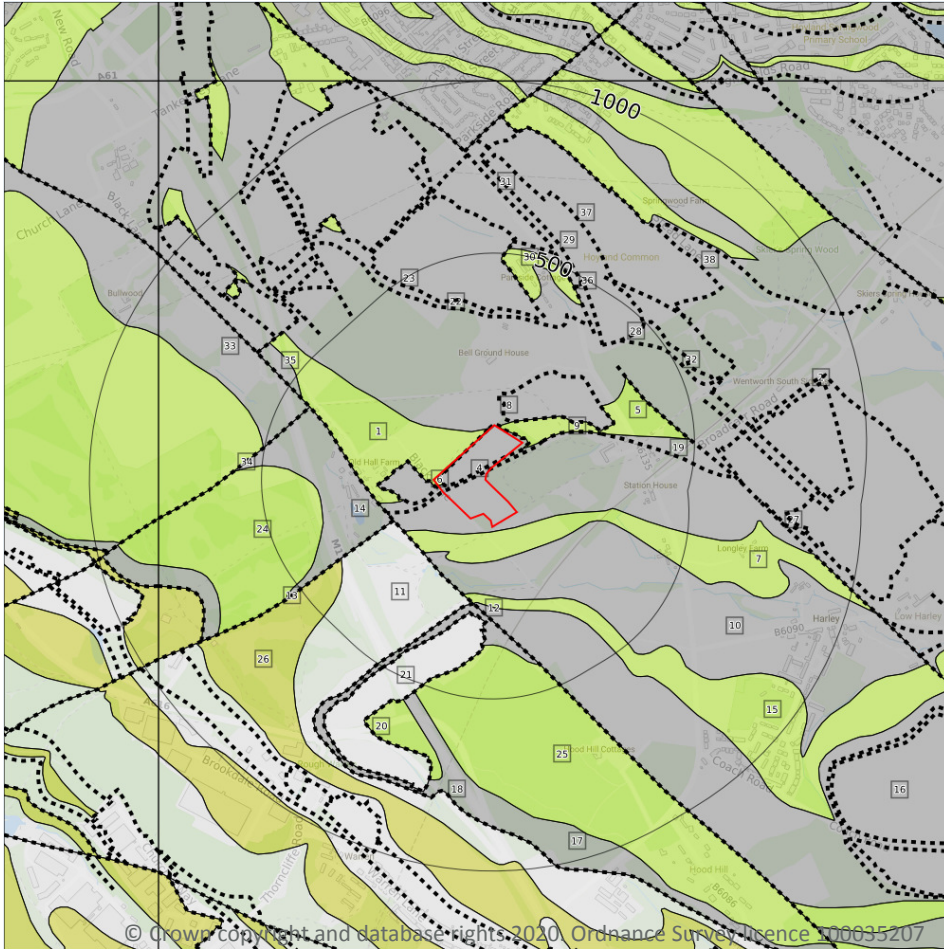
0

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

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Bedrock



- Site Outline
- Search buffers in metres (m)
- Bedrock faults and other linear features (10k)
- Bedrock geology (10k)
Please see table for more details.

14.5 Bedrock geology (10k)

Records within 500m

17

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

Features are displayed on the Geology 1:10,000 scale - Bedrock map on **page 86**

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

ID	Location	LEX Code	Description	Rock age
5	2m NE	PMCM-SDST	Pennine Middle Coal Measures Formation - Sandstone	Bolsovia Sub-age - Duckmantian Sub-age
7	14m S	PMCM-SDST	Pennine Middle Coal Measures Formation - Sandstone	Bolsovia Sub-age - Duckmantian Sub-age
10	98m S	PMCM-MDSS	Pennine Middle Coal Measures Formation - Mudstone, Siltstone And Sandstone	Bolsovia Sub-age - Duckmantian Sub-age
11	161m SW	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age
14	165m SW	PMCM-MDSS	Pennine Middle Coal Measures Formation - Mudstone, Siltstone And Sandstone	Bolsovia Sub-age - Duckmantian Sub-age
15	198m S	PMCM-SDST	Pennine Middle Coal Measures Formation - Sandstone	Bolsovia Sub-age - Duckmantian Sub-age
16	224m S	PMCM-MDSS	Pennine Middle Coal Measures Formation - Mudstone, Siltstone And Sandstone	Bolsovia Sub-age - Duckmantian Sub-age
17	230m S	PMCM-MDSS	Pennine Middle Coal Measures Formation - Mudstone, Siltstone And Sandstone	Bolsovia Sub-age - Duckmantian Sub-age
21	258m S	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age
24	334m W	PMCM-SDST	Pennine Middle Coal Measures Formation - Sandstone	Bolsovia Sub-age - Duckmantian Sub-age
25	343m S	PMCM-SDST	Pennine Middle Coal Measures Formation - Sandstone	Bolsovia Sub-age - Duckmantian Sub-age
26	352m SW	PLCM-SDST	Pennine Lower Coal Measures Formation - Sandstone	Langsettian Sub-age
30	378m N	PMCM-SDST	Pennine Middle Coal Measures Formation - Sandstone	Bolsovia Sub-age - Duckmantian Sub-age
33	417m NW	PMCM-MDSS	Pennine Middle Coal Measures Formation - Mudstone, Siltstone And Sandstone	Bolsovia Sub-age - Duckmantian Sub-age
35	448m NW	PMCM-MDSS	Pennine Middle Coal Measures Formation - Mudstone, Siltstone And Sandstone	Bolsovia Sub-age - Duckmantian Sub-age

This data is sourced from the British Geological Survey.



14.6 Bedrock faults and other linear features (10k)

Records within 500m

21

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

Features are displayed on the Geology 1:10,000 scale - Bedrock map on **page 86**

ID	Location	Category	Description
3	On site	ROCK	Coal seam, inferred
4	On site	ROCK	Coal seam, observed
6	8m SW	ROCK	Coal seam, observed
8	31m NE	ROCK	Coal seam, observed
9	59m E	ROCK	Coal seam, inferred coincident with bedrock geology boundary
12	161m SW	FAULT	Normal fault, inferred
13	165m SW	FAULT	Normal fault, inferred
18	230m S	ROCK	Coal seam, inferred
19	231m E	ROCK	Coal seam, inferred
20	258m S	ROCK	Coal seam, observed
22	316m N	ROCK	Coal seam, inferred
23	330m N	ROCK	Coal seam, observed
27	354m NE	FAULT	Normal fault, inferred
28	367m NE	ROCK	Coal seam, observed
29	367m NE	ROCK	Coal seam, observed
31	378m NE	FAULT	Normal fault, inferred
32	410m NE	ROCK	Coal seam, inferred
34	417m NW	FAULT	Normal fault, inferred
36	464m NE	ROCK	Coal seam, observed
37	496m NE	ROCK	Coal seam, observed
38	496m NE	ROCK	Coal seam, observed

This data is sourced from the British Geological Survey.



15 Geology 1:50,000 scale - Availability



Site Outline

Search buffers in metres (m)

Geological map tile

15.1 50k Availability

Records within 500m

1

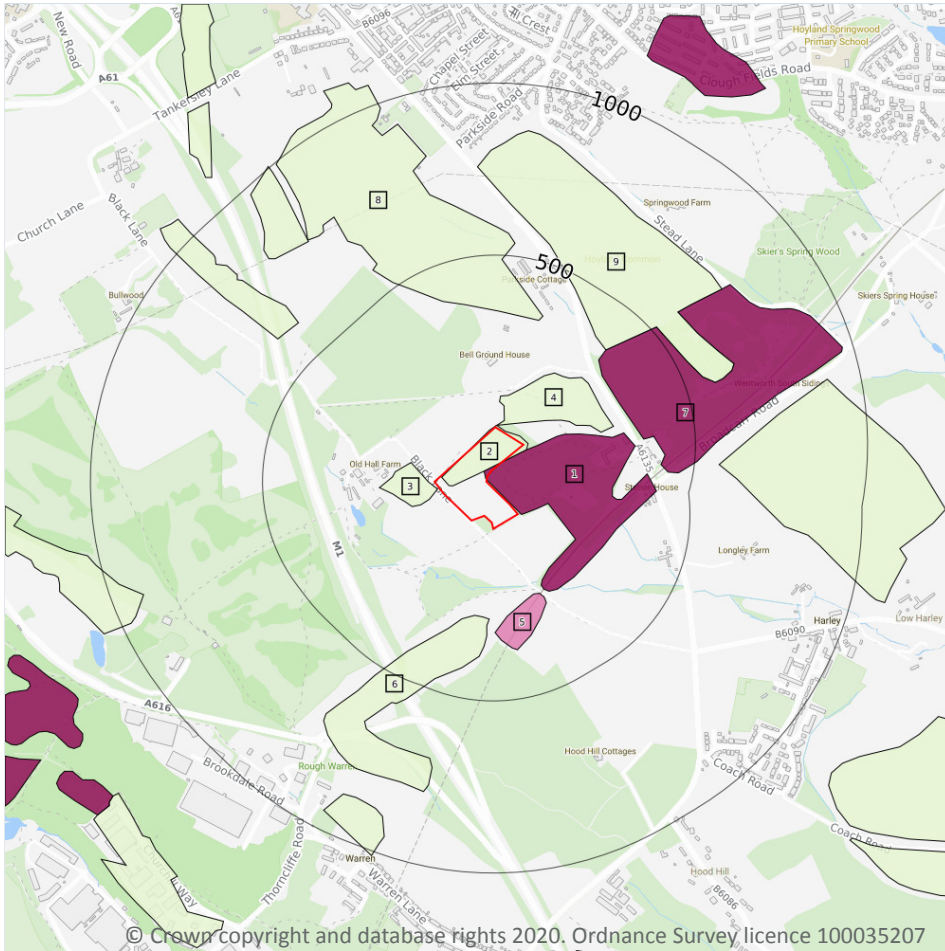
An indication on the coverage of 1:50,000 scale geology data for the site. Either 'Full' or 'No coverage' for each geological theme.

Features are displayed on the Geology 1:50,000 scale - Availability map on **page 89**

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

This data is sourced from the British Geological Survey.

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



— Site Outline
Search buffers in metres (m)

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

15.2 Artificial and made ground (50k)

Records within 500m

9

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

Features are displayed on the Geology 1:50,000 scale - Artificial and made ground map on **page 90**

ID	Location	LEX Code	Description	Rock description
1	On site	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT
2	On site	WMGR-ARTDP	INFILLED GROUND	ARTIFICIAL DEPOSIT
3	6m SW	WMGR-ARTDP	INFILLED GROUND	ARTIFICIAL DEPOSIT
4	7m NE	WMGR-ARTDP	INFILLED GROUND	ARTIFICIAL DEPOSIT



ID	Location	LEX Code	Description	Rock description
5	223m SE	WGR-VOID	WORKED GROUND (UNDIVIDED)	VOID
6	257m S	WMGR-ARTDP	INFILLED GROUND	ARTIFICIAL DEPOSIT
7	300m NE	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT
8	331m N	WMGR-ARTDP	INFILLED GROUND	ARTIFICIAL DEPOSIT
9	365m NE	WMGR-ARTDP	INFILLED GROUND	ARTIFICIAL DEPOSIT

This data is sourced from the British Geological Survey.

15.3 Artificial ground permeability (50k)

Records within 50m

4

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

Location	Flow type	Maximum permeability	Minimum permeability
On site	Mixed	Very High	Low
On site	Mixed	Very High	Low
6m W	Mixed	Very High	Low
7m NE	Mixed	Very High	Low

This data is sourced from the British Geological Survey.



Geology 1:50,000 scale - Superficial

15.4 Superficial geology (50k)

Records within 500m

0

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

This data is sourced from the British Geological Survey.

15.5 Superficial permeability (50k)

Records within 50m

0

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

This data is sourced from the British Geological Survey.

15.6 Landslip (50k)

Records within 500m

0

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

This data is sourced from the British Geological Survey.

15.7 Landslip permeability (50k)

Records within 50m

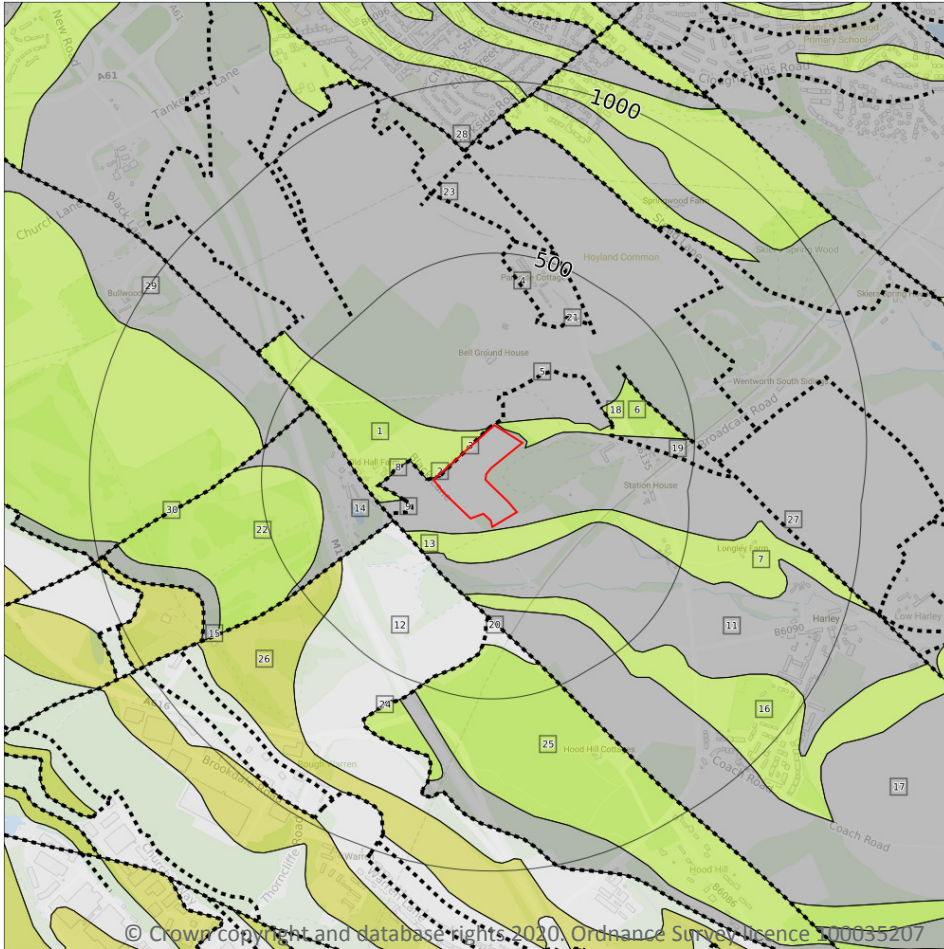
0

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

This data is sourced from the British Geological Survey.



Geology 1:50,000 scale - Bedrock



- Site Outline
- Search buffers in metres (m)
- Bedrock faults and other linear features (50k)
- Bedrock geology (50k)
Please see table for more details.

15.8 Bedrock geology (50k)

Records within 500m

13

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 93**

ID	Location	LEX Code	Description	Rock age
1	On site	PMCM-SDST	PENNINE MIDDLE COAL MEASURES FORMATION - SANDSTONE	WESTPHALIAN
4	On site	PMCM-MDSS	PENNINE MIDDLE COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN

ID	Location	LEX Code	Description	Rock age
6	5m NE	PMCM-SDST	PENNINE MIDDLE COAL MEASURES FORMATION - SANDSTONE	WESTPHALIAN
7	10m S	PMCM-SDST	PENNINE MIDDLE COAL MEASURES FORMATION - SANDSTONE	WESTPHALIAN
11	99m S	PMCM-MDSS	PENNINE MIDDLE COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
12	161m SW	PLCM-MDSS	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
14	164m SW	PMCM-MDSS	PENNINE MIDDLE COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
16	196m S	PMCM-SDST	PENNINE MIDDLE COAL MEASURES FORMATION - SANDSTONE	WESTPHALIAN
17	230m S	PMCM-MDSS	PENNINE MIDDLE COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
22	332m W	PMCM-SDST	PENNINE MIDDLE COAL MEASURES FORMATION - SANDSTONE	WESTPHALIAN
25	342m S	PMCM-SDST	PENNINE MIDDLE COAL MEASURES FORMATION - SANDSTONE	WESTPHALIAN
26	350m SW	PLCM-SDST	PENNINE LOWER COAL MEASURES FORMATION - SANDSTONE	WESTPHALIAN
29	417m NW	PMCM-MDSS	PENNINE MIDDLE COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN

This data is sourced from the British Geological Survey.

15.9 Bedrock permeability (50k)

Records within 50m

4

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

Location	Flow type	Maximum permeability	Minimum permeability
On site	Fracture	High	Moderate
On site	Fracture	Moderate	Low
5m NE	Fracture	High	Moderate
10m SE	Fracture	High	Moderate



This data is sourced from the British Geological Survey.

15.10 Bedrock faults and other linear features (50k)

Records within 500m

17

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

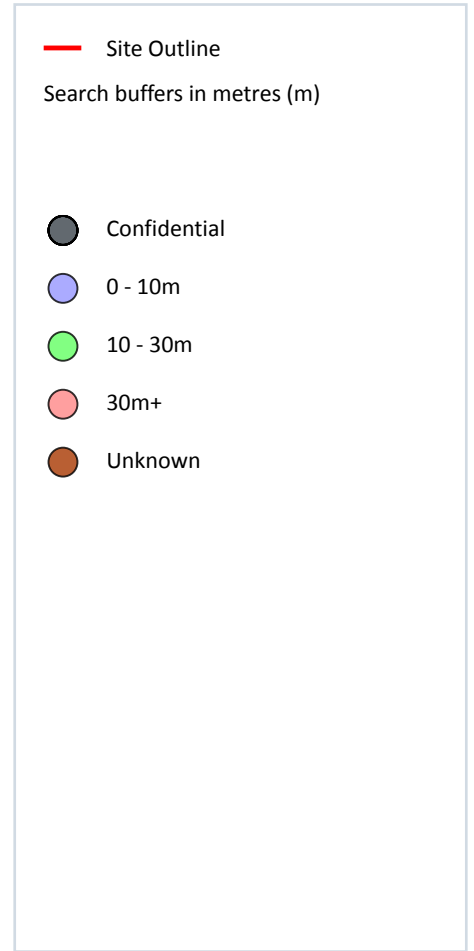
Features are displayed on the Geology 1:50,000 scale - Bedrock map on **page 93**

ID	Location	Category	Description
2	On site	ROCK	Coal seam, inferred
3	On site	ROCK	Coal seam, inferred
5	2m NW	ROCK	Coal seam, inferred
8	18m W	ROCK	Coal seam, inferred
9	96m SW	ROCK	Coal seam, inferred
10	96m SW	ROCK	Coal seam, inferred
13	161m SW	FAULT	Fault, inferred
15	164m SW	FAULT	Fault, inferred
18	251m NE	ROCK	Coal seam, inferred
19	260m E	ROCK	Coal seam, inferred
20	263m S	ROCK	Coal seam, inferred
21	323m NE	ROCK	Coal seam, inferred
23	335m N	ROCK	Coal seam, inferred
24	342m S	ROCK	Coal seam, inferred
27	355m NE	FAULT	Fault, inferred
28	379m NE	FAULT	Fault, inferred
30	417m NW	FAULT	Fault, inferred

This data is sourced from the British Geological Survey.



16 Boreholes



16.1 BGS Boreholes

Records within 250m

2

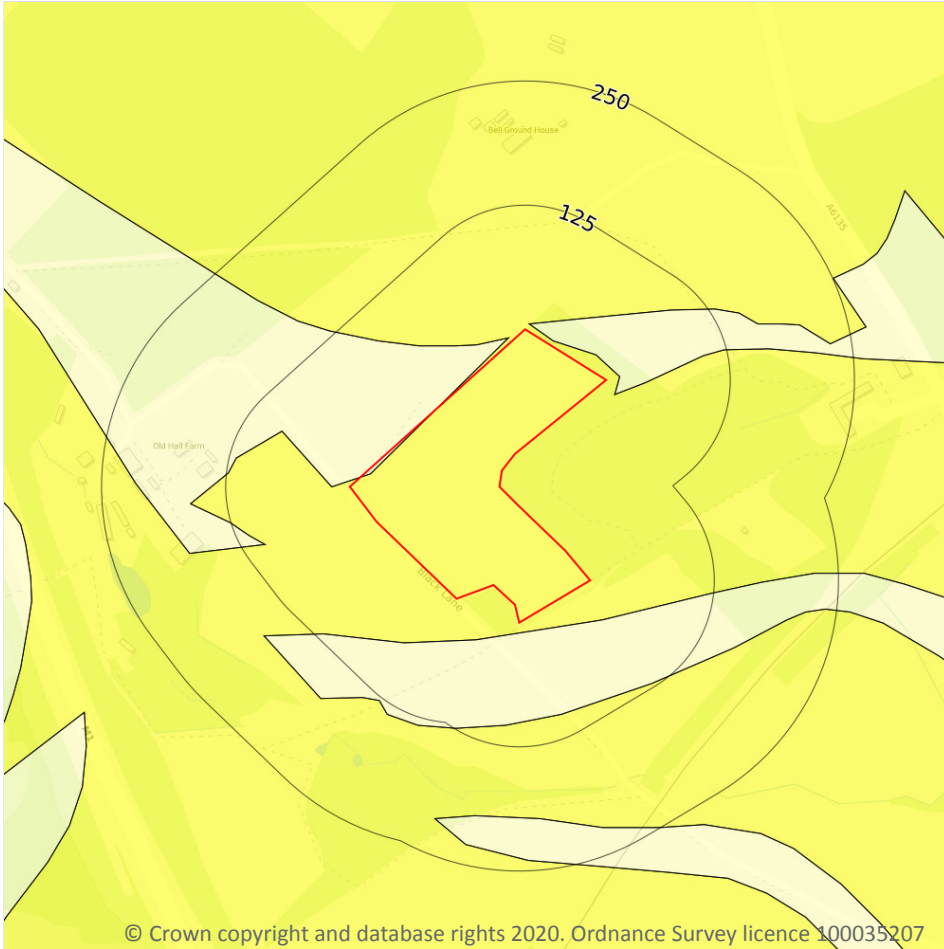
The Single Onshore Boreholes Index (SOBI); an index of over one million records of boreholes, shafts and wells from all forms of drilling and site investigation work held by the British Geological Survey. Covering onshore and nearshore boreholes dating back to at least 1790 and ranging from one to several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

Features are displayed on the Boreholes map on **page 96**

ID	Location	Grid reference	Name	Length	Confidential	Web link
A	179m SW	435640 398760	TANKERSLEY PARK PIT	131.01	N	215479
A	193m SW	435629 398751	TANKERSLEY PARK PIT	102.41	N	215179

This data is sourced from the British Geological Survey.

17 Natural ground subsidence - Shrink swell clays



— Site Outline
Search buffers in metres (m)

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

17.1 Shrink swell clays

Records within 50m

4

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 97**

Location	Hazard rating	Details
On site	Negligible	Ground conditions predominantly non-plastic.
On site	Very low	Ground conditions predominantly low plasticity.
5m NE	Negligible	Ground conditions predominantly non-plastic.

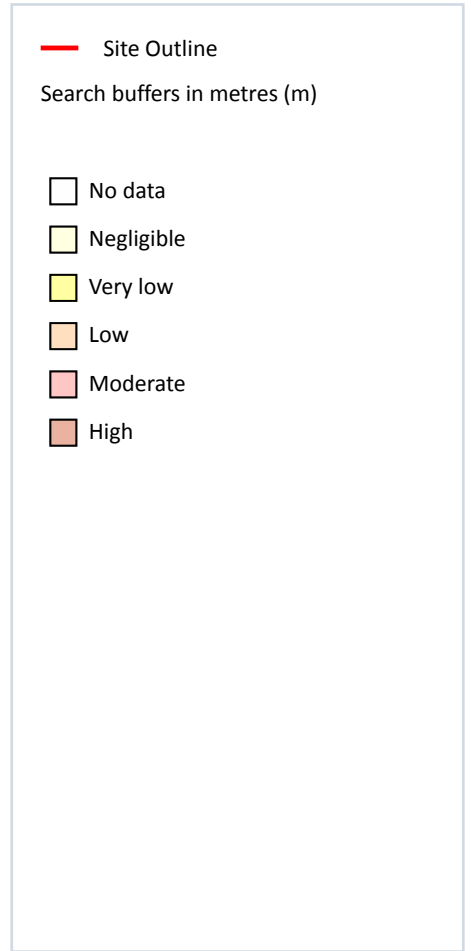
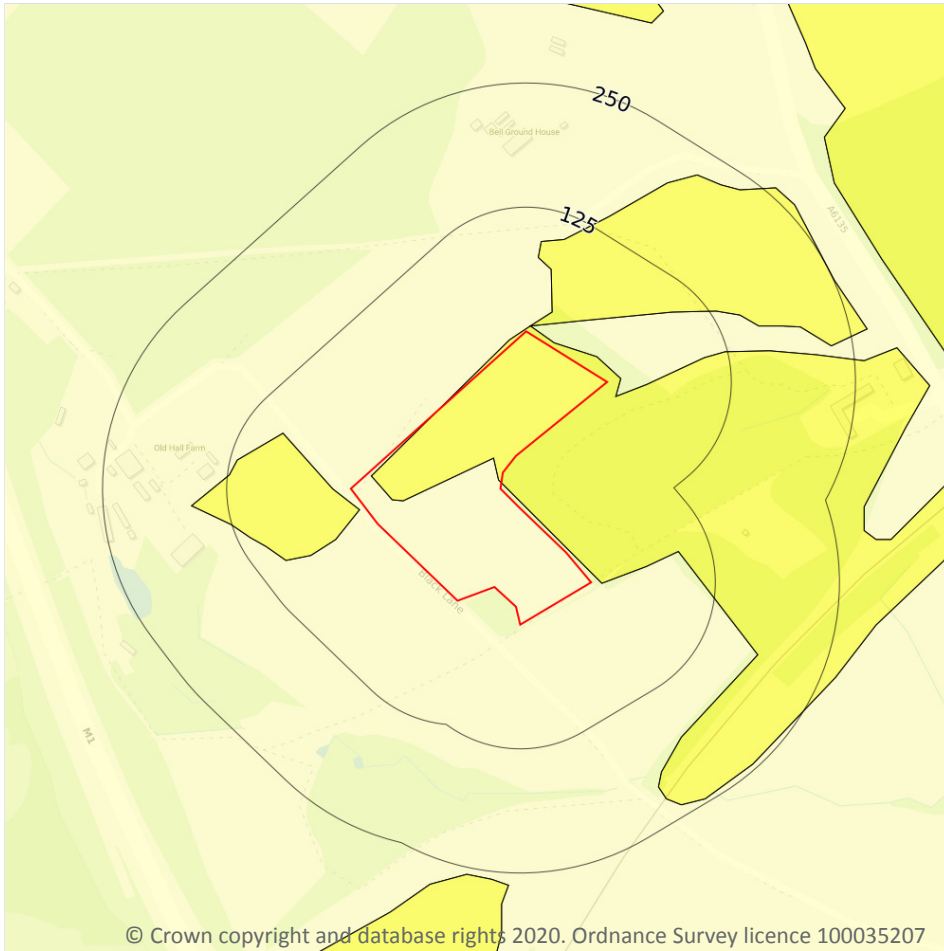


Location	Hazard rating	Details
10m S	Negligible	Ground conditions predominantly non-plastic.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Running sands



17.2 Running sands

Records within 50m

4

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

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

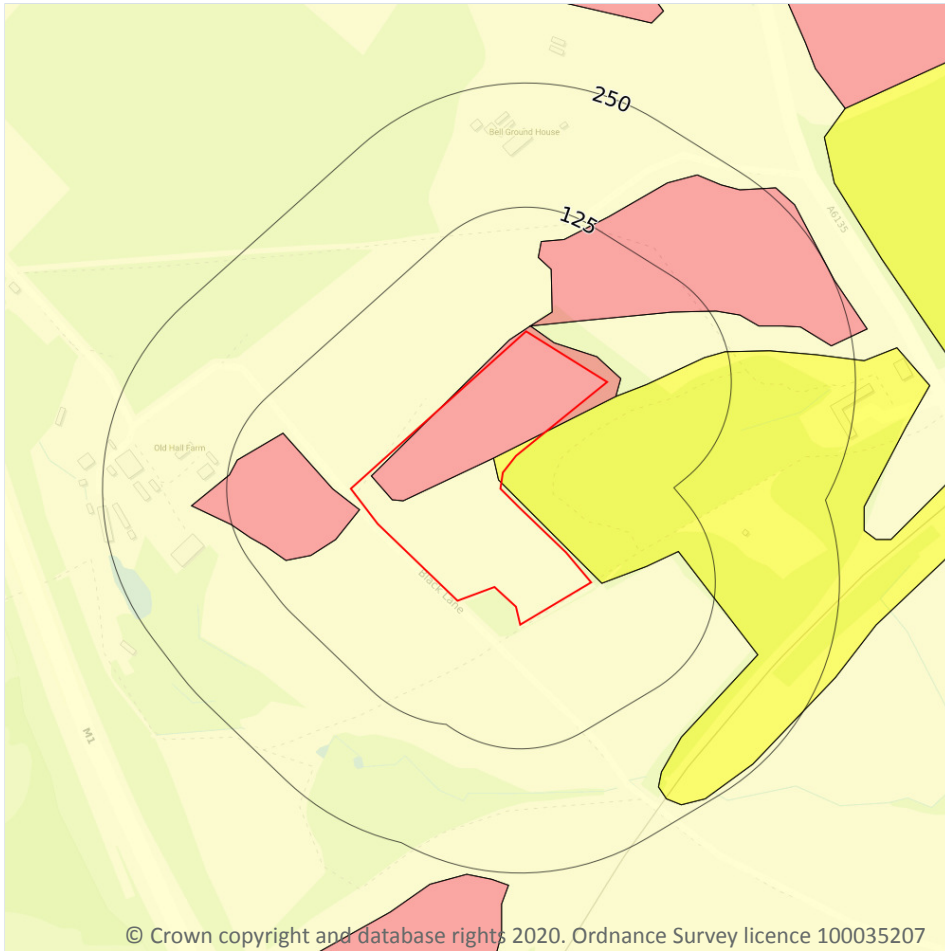
Location	Hazard rating	Details
On site	Negligible	Running sand conditions are not thought to occur whatever the position of the water table. No identified constraints on lands use due to running conditions.

Location	Hazard rating	Details
On site	Very low	Running sand conditions are unlikely. No identified constraints on land use due to running conditions unless water table rises rapidly.
6m SW	Very low	Running sand conditions are unlikely. No identified constraints on land use due to running conditions unless water table rises rapidly.
7m NE	Very low	Running sand conditions are unlikely. No identified constraints on land use due to running conditions unless water table rises rapidly.

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

5

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 101**

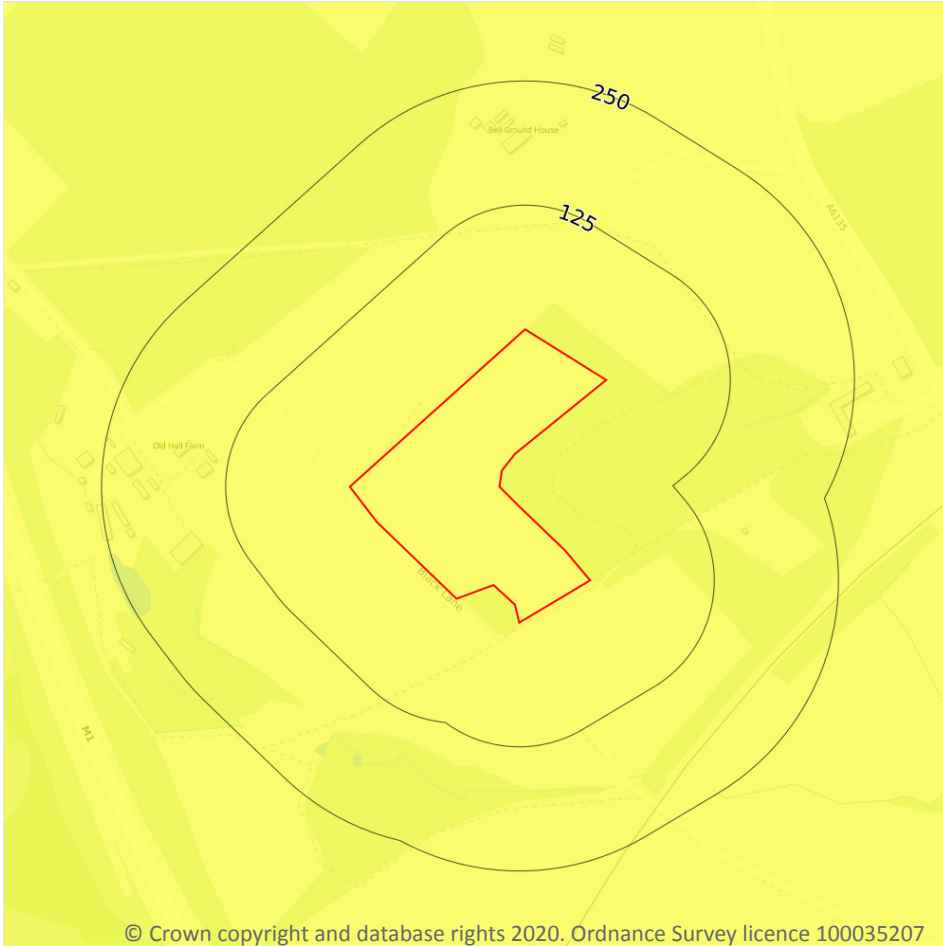
Location	Hazard rating	Details
On site	Negligible	Compressible strata are not thought to occur.
On site	Very low	Compressibility and uneven settlement problems are not likely to be significant on the site for most land uses.



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.
6m SW	Moderate	Compressibility and uneven settlement hazards are probably present. Land use should consider specifically the compressibility and variability of the site.
7m NE	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



17.4 Collapsible deposits

Records within 50m

1

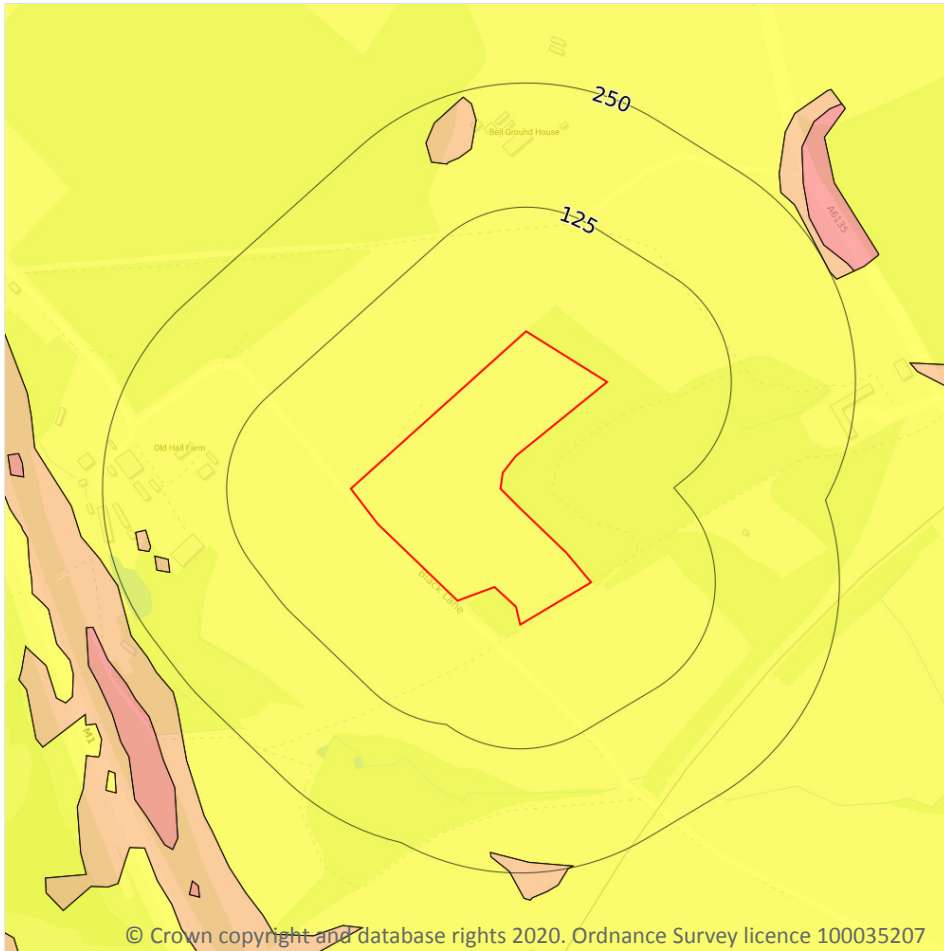
The potential hazard presented by natural deposits that could collapse when a load (such as a building) is placed on them or they become saturated with water.

Features are displayed on the Natural ground subsidence - Collapsible deposits map on **page 103**

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

This data is sourced from the British Geological Survey.

Natural ground subsidence - Landslides



— Site Outline
Search buffers in metres (m)

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

17.5 Landslides

Records within 50m

1

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

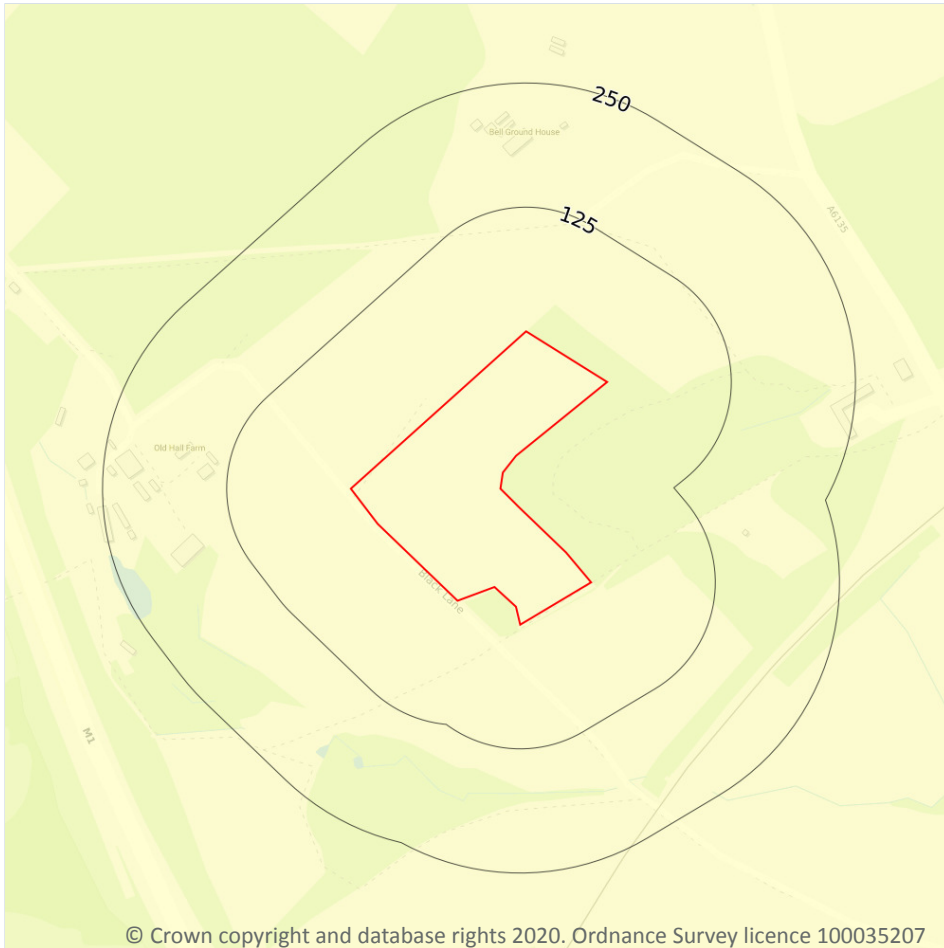
Features are displayed on the Natural ground subsidence - Landslides map on **page 104**

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

This data is sourced from the British Geological Survey.



Natural ground subsidence - Ground dissolution of soluble rocks



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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.

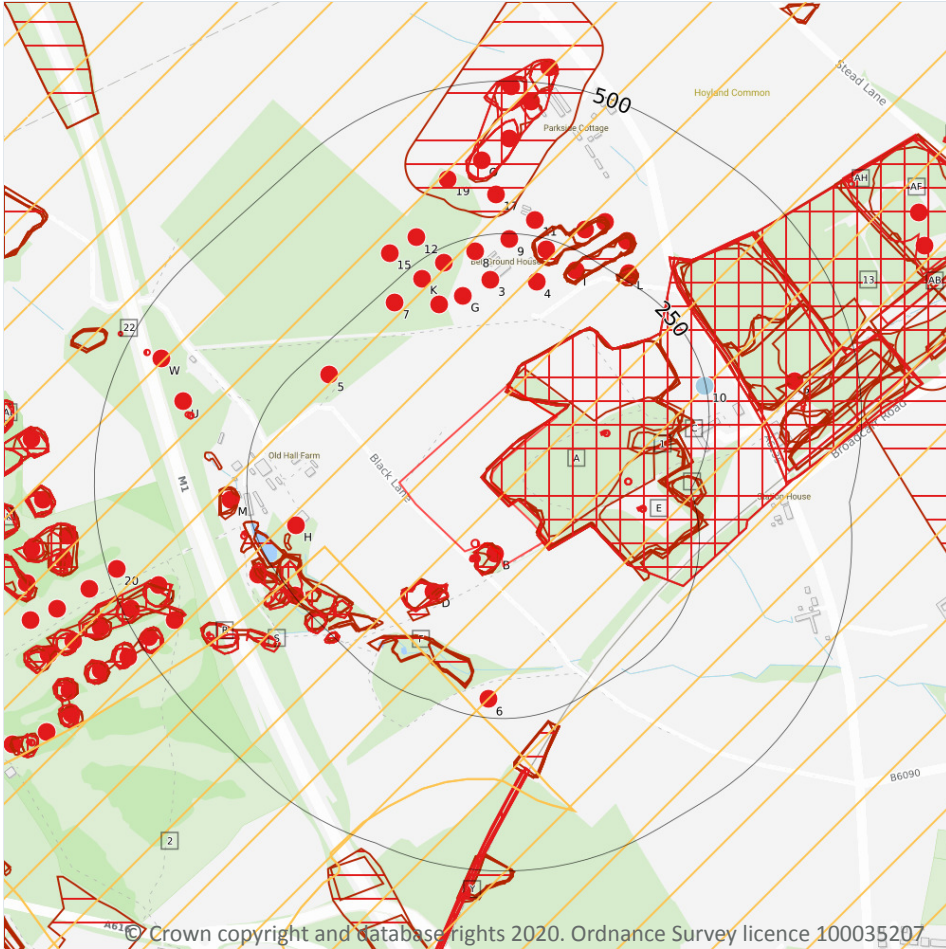
Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on **page 105**

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, ground workings and natural cavities



18.1 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 Peter Brett Associates (PBA).

18.2 BritPits

Records within 500m
40

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, ground workings and natural cavities map on **page 107**

ID	Location	Details	Description
B	4m SW	Name: Tankersley Park Ironstone Pit Address: Tankersley, HOYLAND, South Yorkshire Commodity: Ironstone Status: 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)	Type: Ceased 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
D	82m SW	Name: Tankersley Park Address: Tankersley, HOYLAND, South Yorkshire Commodity: Sandstone Status: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site	Type: Ceased 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
G	164m NW	Name: Bell Ground Ironstone Pits Address: HOYLAND, South Yorkshire Commodity: Ironstone Status: 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)	Type: Ceased 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
G	174m NW	Name: Bell Ground Ironstone Pits Address: HOYLAND, South Yorkshire Commodity: Ironstone Status: 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)	Type: Ceased 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
3	176m N	Name: Bell Ground Ironstone Pits Address: HOYLAND, South Yorkshire Commodity: Ironstone Status: 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)	Type: Ceased Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority



ID	Location	Details	Description
4	177m N	Name: Bell Ground Ironstone Pits Address: HOYLAND, South Yorkshire Commodity: Ironstone Status: 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)	Type: Ceased Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
H	183m SW	Name: Tankersley Park Pit Address: Tankersley, HOYLAND, South Yorkshire Commodity: Coal, Deep Status: 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)	Type: Ceased Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
5	207m NW	Name: Bell Ground Ironstone Pits Address: HOYLAND, South Yorkshire Commodity: Ironstone Status: 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)	Type: Ceased 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
6	219m S	Name: Hood Hill Ironstone Pit Address: Harley, HOYLAND, South Yorkshire Commodity: Ironstone Status: 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)	Type: Ceased Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
I	221m NE	Name: Bell Ground Ironstone Pits Address: HOYLAND, South Yorkshire Commodity: Ironstone Status: 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)	Type: Ceased 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
7	224m NW	Name: Bell Ground Ironstone Pits Address: HOYLAND, South Yorkshire Commodity: Ironstone Status: 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)	Type: Ceased Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority



ID	Location	Details	Description
K	224m NW	Name: Bell Ground Ironstone Pits Address: HOYLAND, South Yorkshire Commodity: Ironstone Status: 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)	Type: Ceased Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
K	226m NW	Name: Swallow Wood Mine Address: HOYLAND, South Yorkshire Commodity: Ironstone Status: 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)	Type: Ceased 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
8	227m N	Name: Swallow Wood Mine Address: HOYLAND, South Yorkshire Commodity: Ironstone Status: 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)	Type: Ceased Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
I	233m N	Name: Bell Ground Ironstone Pits Address: HOYLAND, South Yorkshire Commodity: Ironstone Status: 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)	Type: Ceased 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
9	240m N	Name: Swallow Wood Mine Address: HOYLAND, South Yorkshire Commodity: Ironstone Status: 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)	Type: Ceased Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
H	248m SW	Name: Tankersley Park Ironstone Pits Address: Tankersley, HOYLAND, South Yorkshire Commodity: Ironstone Status: 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)	Type: Ceased Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority



ID	Location	Details	Description
L	262m NE	Name: Bell Ground Ironstone Pits Address: HOYLAND, South Yorkshire Commodity: Ironstone Status: 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)	Type: Ceased 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
11	276m N	Name: Swallow Wood Mine Address: HOYLAND, South Yorkshire Commodity: Ironstone Status: 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)	Type: Ceased Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
H	276m SW	Name: Tankersley Park Ironstone Pits Address: Tankersley, HOYLAND, South Yorkshire Commodity: Ironstone Status: 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)	Type: Ceased 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
M	278m W	Name: Tankersley Park Ironstone Pits Address: Tankersley, HOYLAND, South Yorkshire Commodity: Ironstone Status: 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)	Type: Ceased 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
12	285m NW	Name: Swallow Wood Mine Address: HOYLAND, South Yorkshire Commodity: Ironstone Status: 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)	Type: Ceased Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
I	286m NE	Name: Bell Ground Ironstone Pits Address: HOYLAND, South Yorkshire Commodity: Ironstone Status: 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)	Type: Ceased Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority



ID	Location	Details	Description
15	291m NW	Name: Bell Ground Ironstone Pits Address: HOYLAND, South Yorkshire Commodity: Ironstone Status: 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)	Type: Ceased Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
I	305m NE	Name: Bell Ground Ironstone Pits Address: HOYLAND, South Yorkshire Commodity: Ironstone Status: 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)	Type: Ceased Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
I	313m NE	Name: Bell Ground Ironstone Pits Address: HOYLAND, South Yorkshire Commodity: Ironstone Status: 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)	Type: Ceased 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
17	314m N	Name: Swallow Wood Mine Address: HOYLAND, South Yorkshire Commodity: Ironstone Status: 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)	Type: Ceased 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
19	352m N	Name: Swallow Wood Mine Address: HOYLAND, South Yorkshire Commodity: Ironstone Status: 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)	Type: Ceased Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
O	372m N	Name: Swallow Wood Mine Address: HOYLAND, South Yorkshire Commodity: Ironstone Status: 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)	Type: Ceased Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority



ID	Location	Details	Description
U	378m W	Name: Tankersley Ironstone Pit Address: Tankersley, HOYLAND, South Yorkshire Commodity: Ironstone Status: 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)	Type: Ceased 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
P	395m E	Name: Lidgett Colliery Address: HOYLAND, South Yorkshire Commodity: Coal, Deep Status: 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)	Type: Ceased Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
O	406m N	Name: Swallow Wood Mine Address: HOYLAND, South Yorkshire Commodity: Ironstone Status: 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)	Type: Ceased 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
V	428m SW	Name: Tankersley Park Ironstone Pits Address: Tankersley, HOYLAND, South Yorkshire Commodity: Ironstone Status: 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)	Type: Ceased 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
V	431m SW	Name: Tankersley Park Ironstone Pits Address: Tankersley, HOYLAND, South Yorkshire Commodity: Ironstone Status: 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)	Type: Ceased Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
W	439m NW	Name: Tankersley Ironstone Pit Address: Tankersley, HOYLAND, South Yorkshire Commodity: Ironstone Status: 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)	Type: Ceased Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority



ID	Location	Details	Description
O	468m N	Name: Swallow Wood Mine Address: HOYLAND, South Yorkshire Commodity: Ironstone Status: 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)	Type: Ceased 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
V	482m SW	Name: Tankersley Park Ironstone Pits Address: Tankersley, HOYLAND, South Yorkshire Commodity: Ironstone Status: 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)	Type: Ceased 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
20	484m W	Name: Tankersley Park Ironstone Pits Address: Tankersley, HOYLAND, South Yorkshire Commodity: Ironstone Status: 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)	Type: Ceased 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
V	486m SW	Name: Tankersley Park Ironstone Pits Address: Tankersley, HOYLAND, South Yorkshire Commodity: Ironstone Status: 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)	Type: Ceased Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
O	491m N	Name: Swallow Wood Mine Address: HOYLAND, South Yorkshire Commodity: Ironstone Status: 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)	Type: Ceased 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.

18.3 Surface ground workings

Records within 250m

96

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, ground workings and natural cavities map on **page 107**



ID	Location	Land Use	Year of mapping	Mapping scale
A	On site	Refuse Heap	1980	1:10000
A	On site	Unspecified Heaps	1965	1:10560
A	On site	Unspecified Heaps	1951	1:10560
A	On site	Unspecified Heaps	1938	1:10560
A	On site	Refuse Heap	1903	1:10560
A	On site	Refuse Heap	1891	1:10560
A	On site	Unspecified Heaps	1948	1:10560
A	On site	Unspecified Heaps	1948	1:10560
B	On site	Unspecified Heap	1991	1:10000
B	On site	Unspecified Heap	1980	1:10000
B	On site	Unspecified Heap	1965	1:10560
B	On site	Unspecified Heap	1951	1:10560
B	On site	Old Ironstone Pits	1938	1:10560
B	On site	Old Ironstone Pit	1903	1:10560
B	On site	Unspecified Heap	1948	1:10560
B	On site	Unspecified Heap	1948	1:10560
C	On site	Colliery	1903	1:10560
D	62m SW	Old Ironstone Pits	1938	1:10560
D	63m SW	Unspecified Pit	1891	1:10560
D	63m SW	Old Ironstone Pits	1903	1:10560
D	71m SW	Unspecified Heaps	1948	1:10560
D	71m SW	Unspecified Heaps	1948	1:10560
D	71m SW	Unspecified Pit	1951	1:10560
D	74m SW	Unspecified Heap	1951	1:10560
E	94m NE	Unspecified Heap	1980	1:10000
D	111m SW	Cuttings	1948	1:10560
1	123m E	Unspecified Ground Workings	1991	1:10000
F	153m S	Pond	1938	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
F	154m S	Pond	1951	1:10560
F	157m S	Ponds	1948	1:10560
F	159m S	Pond	1903	1:10560
F	159m S	Pond	1891	1:10560
H	177m SW	Pond	1965	1:10560
H	185m SW	Pond	1951	1:10560
H	186m SW	Pond	1948	1:10560
H	186m SW	Pond	1938	1:10560
H	188m SW	Unspecified Heap	1951	1:10560
H	190m SW	Refuse Heap	1938	1:10560
H	191m SW	Old Ironstone Pits	1948	1:10560
H	195m SW	Unspecified Heap	1891	1:10560
H	195m SW	Old Ironstone Pits	1903	1:10560
I	198m NE	Unspecified Heaps	1938	1:10560
I	198m NE	Unspecified Heaps	1903	1:10560
I	198m NE	Unspecified Heaps	1891	1:10560
I	199m NE	Unspecified Heaps	1948	1:10560
I	199m NE	Unspecified Heaps	1948	1:10560
H	199m SW	Unspecified Ground Workings	1951	1:10560
H	201m SW	Old Ironstone Pits	1903	1:10560
H	201m SW	Pond	1891	1:10560
H	201m SW	Refuse Heap	1951	1:10560
H	202m SW	Unspecified Heap	1991	1:10000
H	202m SW	Unspecified Heap	1980	1:10000
H	202m SW	Unspecified Heap	1965	1:10560
I	202m NE	Unspecified Heaps	1991	1:10000
I	202m NE	Unspecified Heaps	1980	1:10000
I	202m NE	Unspecified Heaps	1965	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
I	202m NE	Unspecified Heaps	1951	1:10560
H	206m SW	Refuse Heap	1948	1:10560
H	206m SW	Refuse Heap	1948	1:10560
I	209m N	Unspecified Heaps	1938	1:10560
I	209m N	Unspecified Heaps	1903	1:10560
I	209m N	Unspecified Heaps	1891	1:10560
I	210m N	Unspecified Heaps	1948	1:10560
I	210m N	Unspecified Heaps	1948	1:10560
I	212m N	Unspecified Heaps	1951	1:10560
J	214m SE	Pond	1948	1:10560
J	214m SE	Pond	1938	1:10560
J	215m SE	Pond	1903	1:10560
H	219m SW	Pond	1938	1:10560
H	219m SW	Pond	1903	1:10560
H	219m SW	Pond	1891	1:10560
H	219m SW	Refuse Heap	1891	1:10560
H	219m SW	Old Ironstone Pits	1903	1:10560
J	220m SE	Pond	1980	1:10000
J	220m SE	Pond	1965	1:10560
H	223m SW	Pond	1991	1:10000
H	223m SW	Pond	1980	1:10000
H	223m SW	Pond	1965	1:10560
H	232m SW	Unspecified Heap	1991	1:10000
H	232m SW	Unspecified Heap	1980	1:10000
H	232m SW	Unspecified Heap	1965	1:10560
H	232m SW	Unspecified Heap	1951	1:10560
H	239m SW	Unspecified Heap	1891	1:10560
H	239m SW	Old Ironstone Pits	1938	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
H	239m SW	Old Ironstone Pits	1903	1:10560
H	242m SW	Unspecified Heap	1951	1:10560
H	243m SW	Old Ironstone Pits	1938	1:10560
H	243m SW	Old Ironstone Pits	1903	1:10560
L	243m NE	Unspecified Heap	1938	1:10560
L	243m NE	Unspecified Heap	1903	1:10560
L	243m NE	Unspecified Heap	1948	1:10560
L	243m NE	Unspecified Heap	1948	1:10560
H	245m SW	Old Ironstone Pits	1948	1:10560
L	250m NE	Unspecified Heap	1991	1:10000
L	250m NE	Unspecified Heap	1980	1:10000
L	250m NE	Unspecified Heap	1965	1:10560

This data is sourced from Ordnance Survey/Groundsure.

18.4 Underground workings

Records within 1000m

225

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, ground workings and natural cavities map on **page 107**

ID	Location	Land Use	Year of mapping	Mapping scale
B	On site	Unspecified Old Shafts	1938	1:10560
B	On site	Old Ironstone Pits	1938	1:10560
C	On site	Colliery	1903	1:10560
B	11m S	Unspecified Old Shaft	1938	1:10560
B	11m S	Unspecified Old Shaft	1951	1:10560
B	12m S	Unspecified Disused Shaft	1991	1:10000
B	12m S	Unspecified Disused Shaft	1980	1:10000
B	12m S	Unspecified Disused Shaft	1965	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
B	13m S	Unspecified Old Shaft	1903	1:10560
D	62m SW	Old Ironstone Pits	1938	1:10560
D	63m SW	Old Ironstone Pits	1903	1:10560
A	77m E	Air Shaft	1938	1:10560
A	77m E	Air Shaft	1903	1:10560
A	79m E	Air Shaft	1951	1:10560
A	81m E	Disused Air Shaft	1991	1:10000
A	81m E	Disused Air Shaft	1980	1:10000
A	81m E	Disused Air Shaft	1965	1:10560
E	153m SE	Disused Air Shaft	1991	1:10000
E	153m SE	Disused Air Shaft	1980	1:10000
E	153m SE	Disused Air Shaft	1965	1:10560
E	157m E	Air Shaft	1938	1:10560
E	158m E	Air Shaft	1903	1:10560
E	160m E	Air Shaft	1951	1:10560
E	161m E	Disused Air Shaft	1991	1:10000
E	161m E	Disused Air Shaft	1980	1:10000
E	161m E	Disused Air Shaft	1965	1:10560
H	195m SW	Old Ironstone Pits	1903	1:10560
H	201m SW	Old Ironstone Pits	1903	1:10560
H	219m SW	Old Ironstone Pits	1903	1:10560
H	239m SW	Old Ironstone Pits	1938	1:10560
H	239m SW	Old Ironstone Pits	1903	1:10560
H	243m SW	Old Ironstone Pits	1938	1:10560
H	243m SW	Old Ironstone Pits	1903	1:10560
H	257m SW	Old Ironstone Pits	1938	1:10560
H	257m SW	Old Ironstone Pits	1903	1:10560
H	258m SW	Old Ironstone Pits	1903	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
H	265m W	Unspecified Old Shafts	1938	1:10560
H	265m W	Unspecified Old Shafts	1903	1:10560
M	265m W	Unspecified Disused Shaft	1991	1:10000
H	265m W	Unspecified Old Shafts	1951	1:10560
M	267m W	Unspecified Disused Shaft	1980	1:10000
M	267m W	Unspecified Disused Shaft	1965	1:10560
M	267m W	Unspecified Old Shafts	1938	1:10560
M	267m W	Unspecified Old Shafts	1903	1:10560
H	280m SW	Old Ironstone Pits	1938	1:10560
P	281m NE	Colliery	1891	1:10560
13	286m NE	Colliery	1965	1:10560
S	319m SW	Old Ironstone Pits	1903	1:10560
S	321m SW	Old Ironstone Pits	1938	1:10560
T	333m S	Tunnel	1991	1:10000
T	333m S	Tunnel	1980	1:10000
T	333m S	Tunnel	1965	1:10560
T	333m S	Tunnel	1951	1:10560
T	337m S	Tunnel	1938	1:10560
T	337m S	Tunnel	1903	1:10560
O	341m N	Old Ironstone Pits	1951	1:10560
O	342m N	Old Ironstone Pits	1938	1:10560
O	342m N	Old Ironstone Pits	1903	1:10560
U	355m W	Unspecified Disused Shaft	1991	1:10000
U	355m W	Unspecified Disused Shaft	1980	1:10000
U	355m W	Unspecified Disused Shaft	1965	1:10560
U	360m W	Unspecified Old Shaft	1938	1:10560
R	360m SW	Old Ironstone Pits	1938	1:10560
R	365m SW	Old Ironstone Pits	1903	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
P	386m E	Unspecified Old Shaft	1938	1:10560
P	388m E	Unspecified Old Shaft	1951	1:10560
P	389m E	Unspecified Disused Shaft	1991	1:10000
P	389m E	Unspecified Disused Shaft	1980	1:10000
P	389m E	Unspecified Disused Shaft	1965	1:10560
R	395m SW	Unspecified Disused Shaft	1965	1:10560
R	397m SW	Unspecified Old Shaft	1951	1:10560
R	397m SW	Unspecified Old Shaft	1938	1:10560
P	400m E	Unspecified Shaft	1951	1:10560
P	402m E	Unspecified Shaft	1938	1:10560
V	409m SW	Old Ironstone Pits	1951	1:10560
V	422m SW	Old Ironstone Pits	1938	1:10560
V	422m SW	Old Ironstone Pits	1903	1:10560
W	437m NW	Air Shaft	1965	1:10560
O	440m N	Old Ironstone Pits	1938	1:10560
O	440m N	Old Ironstone Pits	1938	1:10560
O	453m N	Old Ironstone Pits	1903	1:10560
W	461m NW	Air Shaft	1938	1:10560
V	463m SW	Old Ironstone Pits	1951	1:10560
V	468m SW	Old Ironstone Pits	1938	1:10560
V	468m SW	Old Ironstone Pits	1903	1:10560
V	479m SW	Old Ironstone Pits	1938	1:10560
V	479m SW	Old Ironstone Pits	1903	1:10560
O	485m N	Old Ironstone Pits	1938	1:10560
O	485m N	Old Ironstone Pits	1903	1:10560
V	500m W	Old Ironstone Pits	1938	1:10560
V	514m SW	Old Ironstone Pits	1951	1:10560
22	515m NW	Air Shaft	1951	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
V	520m SW	Old Ironstone Pits	1938	1:10560
V	520m SW	Old Ironstone Pits	1903	1:10560
V	534m SW	Old Ironstone Pits	1938	1:10560
V	534m SW	Old Ironstone Pits	1903	1:10560
Z	537m W	Old Ironstone Pits	1938	1:10560
Z	537m W	Old Ironstone Pits	1903	1:10560
Y	538m S	Air Shaft	1991	1:10000
Y	538m S	Air Shaft	1980	1:10000
Y	540m S	Air Shaft	1965	1:10560
Z	541m W	Old Ironstone Pits	1951	1:10560
Y	542m S	Air Shaft	1938	1:10560
Y	542m S	Air Shaft	1903	1:10560
Y	542m S	Air Shaft	1951	1:10560
Z	553m W	Old Ironstone Pits	1951	1:10560
AB	556m E	Coal Pit	1951	1:10560
Z	561m W	Old Ironstone Pits	1938	1:10560
AC	565m W	Old Ironstone Pits	1951	1:10560
V	566m SW	Old Ironstone Pits	1951	1:10560
AC	570m W	Old Ironstone Pits	1938	1:10560
AC	570m W	Old Ironstone Pits	1903	1:10560
V	573m SW	Old Ironstone Pits	1938	1:10560
V	573m SW	Old Ironstone Pits	1903	1:10560
AE	577m W	Old Ironstone Pits	1938	1:10560
AE	577m W	Old Ironstone Pits	1903	1:10560
AE	579m W	Old Ironstone Pits	1951	1:10560
V	586m SW	Old Ironstone Pits	1951	1:10560
V	591m SW	Old Ironstone Pits	1903	1:10560
Z	594m W	Old Ironstone Pits	1951	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
AF	601m NE	Coal Pit	1938	1:10560
AH	612m NE	Unspecified Shaft	1980	1:10000
AH	612m NE	Unspecified Shaft	1965	1:10560
AH	612m NE	Unspecified Shaft	1938	1:10560
AH	612m NE	Unspecified Shaft	1903	1:10560
AH	616m NE	Unspecified Shaft	1951	1:10560
AE	620m W	Old Ironstone Pits	1938	1:10560
AE	620m W	Old Ironstone Pits	1903	1:10560
AI	624m W	Old Ironstone Pits	1951	1:10560
AJ	625m SW	Old Ironstone Pits	1951	1:10560
AK	630m W	Old Ironstone Pits	1951	1:10560
AK	632m W	Old Ironstone Pits	1938	1:10560
AK	632m W	Old Ironstone Pits	1903	1:10560
AJ	632m SW	Old Ironstone Pits	1938	1:10560
AJ	632m SW	Old Ironstone Pits	1903	1:10560
AI	633m W	Old Ironstone Pits	1938	1:10560
AI	633m W	Old Ironstone Pits	1903	1:10560
V	641m SW	Old Ironstone Pits	1951	1:10560
AL	642m W	Old Ironstone Pits	1938	1:10560
AL	642m W	Old Ironstone Pits	1903	1:10560
AM	642m W	Old Ironstone Pits	1951	1:10560
V	644m SW	Old Ironstone Pits	1938	1:10560
V	644m SW	Old Ironstone Pits	1903	1:10560
AJ	644m SW	Old Ironstone Pits	1951	1:10560
AJ	648m SW	Old Ironstone Pits	1938	1:10560
AJ	648m SW	Old Ironstone Pits	1903	1:10560
-	684m W	Old Ironstone Pits	1938	1:10560
-	684m W	Old Ironstone Pits	1903	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
-	695m W	Old Ironstone Pits	1951	1:10560
-	700m W	Old Ironstone Pits	1938	1:10560
-	700m W	Old Ironstone Pits	1903	1:10560
-	723m W	Old Ironstone Pits	1938	1:10560
-	723m W	Old Ironstone Pits	1903	1:10560
-	724m W	Old Ironstone Pits	1938	1:10560
-	724m W	Old Ironstone Pits	1903	1:10560
-	725m S	Delf	1951	1:10560
AJ	726m SW	Old Ironstone Pits	1938	1:10560
-	726m W	Old Ironstone Pits	1951	1:10560
-	727m W	Old Ironstone Pits	1951	1:10560
-	732m W	Old Ironstone Pits	1938	1:10560
-	732m W	Old Ironstone Pits	1903	1:10560
AJ	734m SW	Unspecified Disused Shaft	1991	1:10000
AJ	734m SW	Unspecified Disused Shaft	1980	1:10000
AJ	734m SW	Unspecified Disused Shaft	1965	1:10560
AJ	737m SW	Unspecified Old Shaft	1951	1:10560
AJ	738m SW	Unspecified Old Shaft	1938	1:10560
AJ	738m SW	Unspecified Old Shaft	1903	1:10560
-	749m W	Old Ironstone Pits	1951	1:10560
-	750m S	Air Shaft	1965	1:10560
-	750m S	Air Shaft	1951	1:10560
-	751m S	Air Shaft	1938	1:10560
-	751m S	Air Shaft	1903	1:10560
-	752m W	Old Ironstone Pits	1938	1:10560
-	752m W	Old Ironstone Pits	1903	1:10560
-	756m S	Air Shaft	1980	1:10000
-	769m W	Old Ironstone Pits	1938	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
-	769m W	Old Ironstone Pits	1903	1:10560
-	775m W	Old Ironstone Pits	1951	1:10560
AS	779m NE	Unspecified Shafts	1938	1:10560
AS	779m NE	Unspecified Shafts	1903	1:10560
AS	784m NE	Unspecified Shafts	1951	1:10560
-	790m W	Old Ironstone Pits	1938	1:10560
-	796m W	Old Ironstone Pits	1938	1:10560
-	796m W	Old Ironstone Pits	1903	1:10560
-	797m NE	Unspecified Shafts	1938	1:10560
-	797m NE	Unspecified Shafts	1903	1:10560
-	798m NE	Unspecified Shafts	1951	1:10560
-	805m NE	Unspecified Shafts	1951	1:10560
-	817m W	Old Ironstone Pits	1938	1:10560
-	824m W	Old Ironstone Pits	1938	1:10560
-	824m W	Old Ironstone Pits	1903	1:10560
-	846m SW	Unspecified Shaft	1991	1:10000
-	846m SW	Unspecified Shaft	1980	1:10000
-	846m SW	Unspecified Shaft	1965	1:10560
-	848m SW	Unspecified Shaft	1938	1:10560
-	848m SW	Unspecified Shaft	1903	1:10560
-	849m SW	Unspecified Shaft	1951	1:10560
-	868m W	Old Ironstone Pits	1938	1:10560
-	868m W	Old Ironstone Pits	1903	1:10560
-	874m W	Old Ironstone Pits	1938	1:10560
-	874m W	Old Ironstone Pits	1903	1:10560
-	892m W	Old Ironstone Pits	1938	1:10560
-	892m W	Old Ironstone Pits	1903	1:10560
-	919m W	Air Shaft	1903	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
-	937m W	Old Ironstone Pits	1938	1:10560
-	937m W	Old Ironstone Pits	1903	1:10560
-	950m W	Old Ironstone Pits	1938	1:10560
-	971m SW	Unspecified Disused Shafts	1966	1:10560
-	971m SW	Unspecified Disused Shafts	1992	1:10000
-	971m SW	Unspecified Disused Shafts	1980	1:10000
-	977m SW	Air Shaft	1951	1:10560
-	981m SW	Unspecified Old Shaft	1938	1:10560
-	981m SW	Unspecified Old Shaft	1903	1:10560
-	983m SW	Unspecified Disused Shafts	1966	1:10560
-	983m SW	Unspecified Disused Shafts	1992	1:10000
-	983m SW	Unspecified Disused Shafts	1980	1:10000
-	986m SW	Air Shaft	1951	1:10560
-	987m S	Air Shaft	1991	1:10000
-	988m S	Air Shaft	1980	1:10000
-	988m S	Air Shaft	1965	1:10560
-	988m S	Air Shaft	1951	1:10560
-	991m S	Air Shaft	1938	1:10560
-	991m S	Air Shaft	1903	1:10560
-	992m SW	Air Shaft	1938	1:10560
-	992m SW	Air Shaft	1903	1:10560

This is data is sourced from Ordnance Survey/Groundsure.

18.5 Historical Mineral Planning Areas

Records within 500m

0

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

This data is sourced from the British Geological Survey.



18.6 Non-coal mining

Records within 1000m

7

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

Features are displayed on the Mining, ground workings and natural cavities map on **page 107**

ID	Location	Name	Commodity	Class	Likelihood
C	On site	Not available	Iron Ore (Bedded)	B	Localised small scale underground mining may have occurred. Potential for difficult ground conditions are unlikely or localised and are at a level where they need not be considered
2	157m SW	Sheffield Area	Vein Mineral/Iron ore	B	Localised small scale underground mining may have occurred. Potential for difficult ground conditions are unlikely or localised and are at a level where they need not be considered
-	799m W	Not available	Iron Ore (Bedded)	B	Localised small scale underground mining may have occurred. Potential for difficult ground conditions are unlikely or localised and are at a level where they need not be considered
30	905m SW	Not available	Ironstone (bedded)	B	Localised small scale underground mining may have occurred. Potential for difficult ground conditions are unlikely or localised and are at a level where they need not be considered
-	964m SW	Sheffield Area	Vein Mineral/Iron ore	B	Localised small scale underground mining may have occurred. Potential for difficult ground conditions are unlikely or localised and are at a level where they need not be considered
-	971m SW	Not available	Ironstone (bedded)	B	Localised small scale underground mining may have occurred. Potential for difficult ground conditions are unlikely or localised and are at a level where they need not be considered
-	974m W	Sheffield Area	Vein Mineral/Iron ore	B	Localised small scale underground mining may have occurred. Potential for difficult ground conditions are unlikely or localised and are at a level where they need not be considered

This data is sourced from the British Geological Survey.



18.7 Mining cavities

Records within 1000m

1

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 Mining, ground workings and natural cavities map on **page 107**

ID	Location	Mine Address	Mineral	Data source	Publisher
10	248m E	Skiers Spring, Hoyland, South Yorkshire	Magnetite, Marcasite, Siderite, Ironstone	LISTING OF NEW MINERAL RECORDS OFFICE CATALOGUE.	UNPUBLISHED/DRAFT

This data is sourced from Peter Brett Associates (PBA).

18.8 JPB mining areas

Records on site

0

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

This data is sourced from Johnson Poole and Bloomer.

18.9 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.



18.10 Brine areas

Records on site	0
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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.

18.11 Gypsum areas

Records on site	0
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Generalised areas that may be affected by gypsum extraction.

This data is sourced from British Gypsum.

18.12 Tin mining

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

Generalised areas that may be affected by historical tin mining.

This data is sourced from Mining Searches UK.

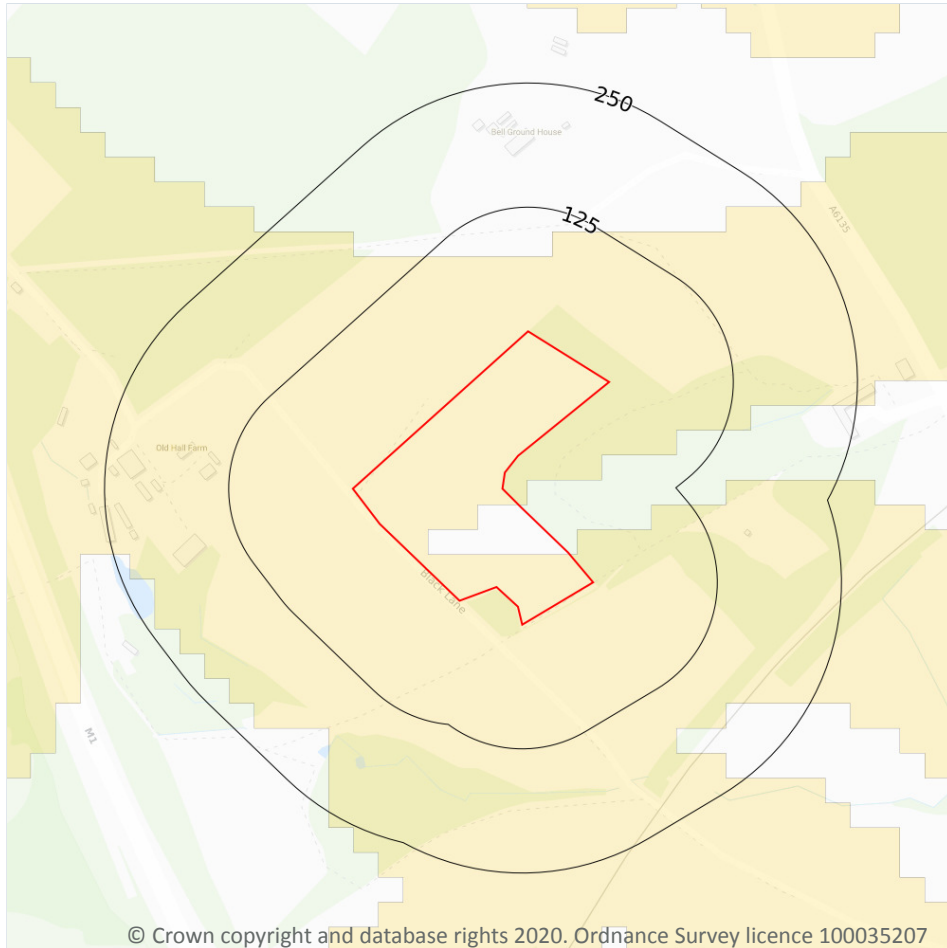
18.13 Clay mining

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 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%

19.1 Radon

Records on site

2

Estimated percentage of dwellings exceeding the Radon Action Level. This data is the highest resolution radon dataset available for the UK and is produced to a 75m level of accuracy to allow for geological data accuracy and a 'residential property' buffer. The findings of this section should supersede any estimations derived from the Indicative Atlas of Radon in Great Britain. The data was derived from both geological assessments and long term measurements of radon in more than 479,000 households.

Features are displayed on the Radon map on **page 130**

Location	Estimated properties affected	Radon Protection Measures required
On site	Between 1% and 3%	None
On site	Less than 1%	None**

This data is sourced from the British Geological Survey and Public Health England.



20 Soil chemistry

20.1 BGS Estimated Background Soil Chemistry

Records within 50m

16

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 km². 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 km²; this is the case for most of Scotland, Wales and southern England. The stream sediment data are converted to soil-equivalent concentrations prior to the estimation.

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
4m S	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
6m NW	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
13m NE	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
13m NE	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
16m S	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg



Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
16m SE	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
22m N	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
22m NE	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
38m N	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg

This data is sourced from the British Geological Survey.

20.2 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 km²).

This data is sourced from the British Geological Survey.

20.3 BGS Measured Urban Soil Chemistry

Records within 50m

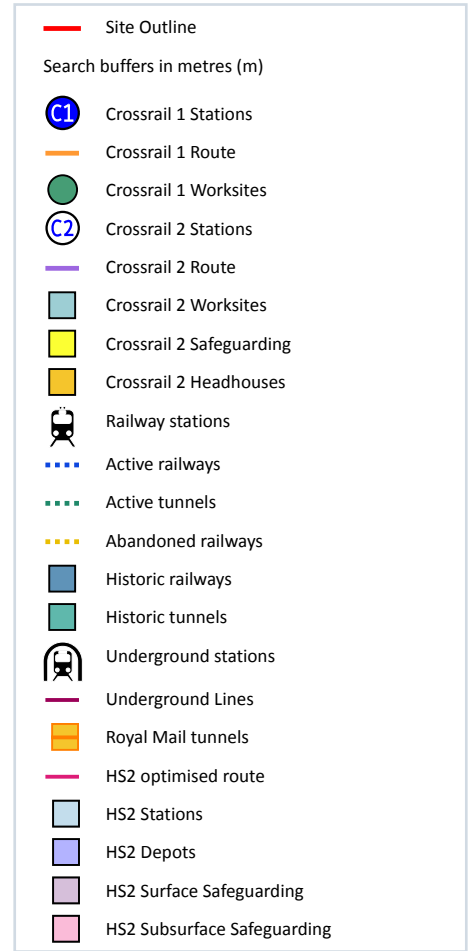
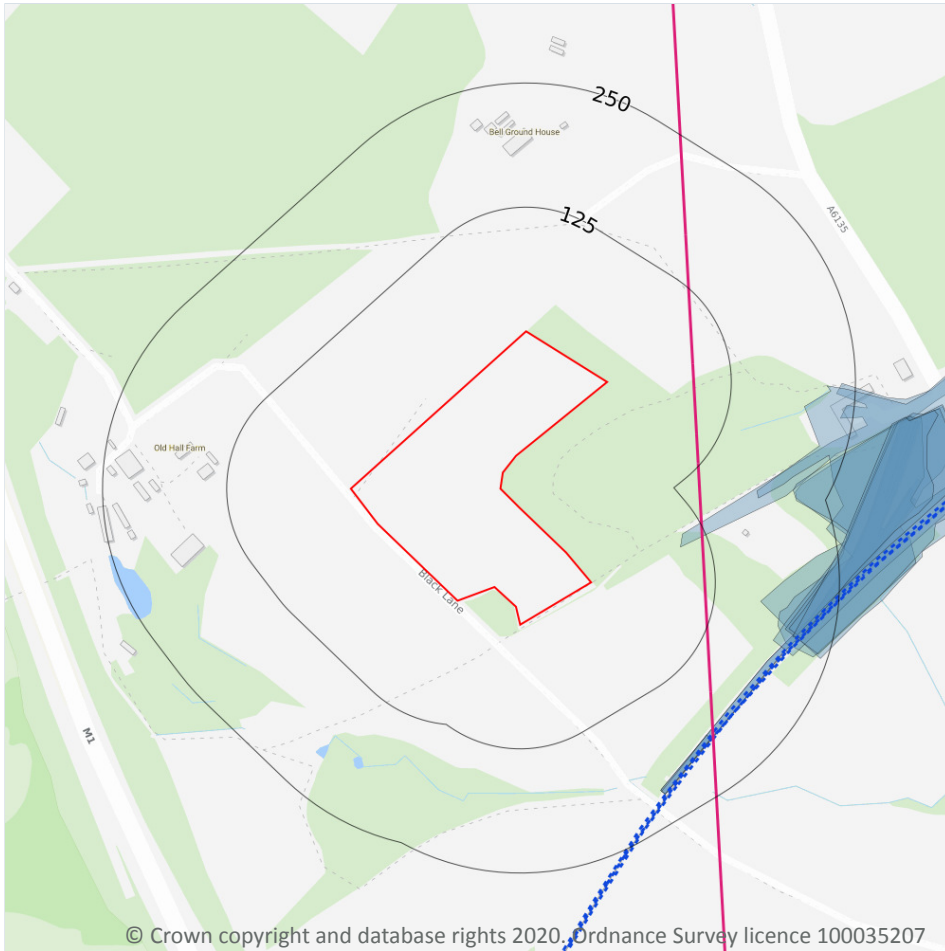
0

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 km².

This data is sourced from the British Geological Survey.



21 Railway infrastructure and projects



21.1 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.

21.2 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.

21.3 Railway tunnels

Records within 250m

0

Railway tunnels taken from contemporary Ordnance Survey mapping.

This data is sourced from the Ordnance Survey.

21.4 Historical railway and tunnel features

Records within 250m

10

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 134**

Location	Land Use	Year of mapping	Mapping scale
97m E	Railway Sidings	1891	10560
172m E	Railway Sidings	1965	10560
187m SE	Railway Sidings	1903	10560
187m SE	Railway Sidings	1986	2500
192m E	Railway Sidings	1980	10000
193m SE	Railway Sidings	1956	2500
201m E	Railway Sidings	1948	10560
205m E	Railway Sidings	1951	10560
210m E	Railway Sidings	1938	10560
220m E	Railway Sidings	1956	2500

This data is sourced from Ordnance Survey/Groundsure.

21.5 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.

21.6 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.

21.7 Railways

Records within 250m

9

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

Features are displayed on the Railway infrastructure and projects map on **page 134**

Location	Name	Type
191m SE	Hallam Line	rail
194m SE	Not given	Multi Track
195m SE	Hallam Line	rail
201m SE	Not given	Multi Track
206m E	Not given	Multi Track
217m SE	Hallam Line	rail
220m SE	Hallam Line	rail
239m SE	Hallam Line	rail
242m SE	Hallam Line	rail

This data is sourced from Ordnance Survey and OpenStreetMap.

21.8 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.



21.9 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.

21.10 HS2

Records within 500m

7

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.

Features are displayed on the Railway infrastructure and projects map on **page 134**

Location	Track Type	Speed (mph)	Speed (km/h)	Status
87m E	Surface Running Track	224mph	360kph	Original consultation route
88m E	Surface Running Track	224mph	360kph	Original consultation route
104m SE	Surface Running Track	224mph	360kph	Original consultation route
114m E	Surface Running Track	224mph	360kph	Original consultation route
163m SE	Bridge/Viaduct	224mph	360kph	Original consultation route
167m NE	Surface Running Track	224mph	360kph	Original consultation route
324m SE	Surface Running Track	224mph	360kph	Original consultation route

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: <https://www.groundsure.com/terms-and-conditions-jan-2020/>.



Hoyland Common- Balancing Ponds,

Order Details

Date: 06/03/2020
Your ref: EMS_598513_800720
Our Ref: EMS-598513_800720
Client: emapsite

Site Details

Location: 435744 399026
Area: 5.18 ha



Summary of findings

p. 2

Aerial image

p. 8

OS MasterMap site plan

p.13

groundsure.com/insightuserguide

Contact us with any questions at:

info@groundsure.com

08444 159 000

Summary of findings

Page	Section	Past land use	On site	0-50m	50-250m	250-500m	500-2000m
14	1.1	<u>Historical industrial land uses</u>	7	1	100	179	-
25	1.2	<u>Historical tanks</u>	0	0	2	0	-
25	1.3	Historical energy features	0	0	0	0	-
26	1.4	Historical petrol stations	0	0	0	0	-
26	1.5	Historical garages	0	0	0	0	-
26	1.6	Historical military land	0	0	0	0	-
Page	Section	Past land use - un-grouped	On site	0-50m	50-250m	250-500m	500-2000m
27	2.1	<u>Historical industrial land uses</u>	8	1	139	232	-
41	2.2	<u>Historical tanks</u>	0	0	3	0	-
42	2.3	Historical energy features	0	0	0	0	-
42	2.4	Historical petrol stations	0	0	0	0	-
42	2.5	Historical garages	0	0	0	0	-
Page	Section	Waste and landfill	On site	0-50m	50-250m	250-500m	500-2000m
43	3.1	Active or recent landfill	0	0	0	0	-
43	3.2	Historical landfill (BGS records)	0	0	0	0	-
44	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
44	3.4	<u>Historical landfill (EA/NRW records)</u>	0	0	0	2	-
44	3.5	<u>Historical waste sites</u>	0	0	2	0	-
45	3.6	Licensed waste sites	0	0	0	0	-
45	3.7	Waste exemptions	0	0	0	0	-
Page	Section	Current industrial land use	On site	0-50m	50-250m	250-500m	500-2000m
46	4.1	<u>Recent industrial land uses</u>	0	0	5	-	-
47	4.2	<u>Current or recent petrol stations</u>	0	0	0	1	-
47	4.3	Electricity cables	0	0	0	0	-
47	4.4	Gas pipelines	0	0	0	0	-
47	4.5	Sites determined as Contaminated Land	0	0	0	0	-



48	4.6	Control of Major Accident Hazards (COMAH)	0	0	0	0	-
48	4.7	Regulated explosive sites	0	0	0	0	-
48	4.8	Hazardous substance storage/usage	0	0	0	0	-
48	4.9	Historical licensed industrial activities (IPC)	0	0	0	0	-
48	4.10	Licensed industrial activities (Part A(1))	0	0	0	0	-
49	4.11	Licensed pollutant release (Part A(2)/B)	0	0	0	0	-
49	4.12	Radioactive Substance Authorisations	0	0	0	0	-
49	4.13	<u>Licensed Discharges to controlled waters</u>	0	0	1	7	-
50	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
51	4.15	Pollutant release to public sewer	0	0	0	0	-
51	4.16	List 1 Dangerous Substances	0	0	0	0	-
51	4.17	List 2 Dangerous Substances	0	0	0	0	-
51	4.18	<u>Pollution Incidents (EA/NRW)</u>	0	0	0	5	-
52	4.19	Pollution inventory substances	0	0	0	0	-
52	4.20	Pollution inventory waste transfers	0	0	0	0	-
53	4.21	Pollution inventory radioactive waste	0	0	0	0	-

Page	Section	Hydrogeology	On site	0-50m	50-250m	250-500m	500-2000m
54	5.1	Superficial aquifer	None (within 500m)				
55	5.2	<u>Bedrock aquifer</u>	Identified (within 500m)				
57	5.3	<u>Groundwater vulnerability</u>	Identified (within 50m)				
58	5.4	Groundwater vulnerability- soluble rock risk	None (within 0m)				
58	5.5	Groundwater vulnerability- local information	None (within 0m)				
59	5.6	<u>Groundwater abstractions</u>	0	0	4	0	2
61	5.7	<u>Surface water abstractions</u>	0	0	0	0	3
62	5.8	Potable abstractions	0	0	0	0	0
62	5.9	Source Protection Zones	0	0	0	0	-
63	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-

Page	Section	Hydrology	On site	0-50m	50-250m	250-500m	500-2000m
64	6.1	<u>Water Network (OS MasterMap)</u>	0	0	19	-	-



66	6.2	<u>Surface water features</u>	0	0	7	-	-
66	6.3	<u>WFD Surface water body catchments</u>	1	-	-	-	-
67	6.4	<u>WFD Surface water bodies</u>	0	0	0	-	-
67	6.5	<u>WFD Groundwater bodies</u>	1	-	-	-	-
Page	Section	River and coastal flooding	On site	0-50m	50-250m	250-500m	500-2000m
68	7.1	Risk of Flooding from Rivers and Sea (RoFRaS)	None (within 50m)				
68	7.2	Historical Flood Events	0	0	0	-	-
68	7.3	Flood Defences	0	0	0	-	-
68	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
69	7.5	Flood Storage Areas	0	0	0	-	-
70	7.6	Flood Zone 2	None (within 50m)				
70	7.7	Flood Zone 3	None (within 50m)				
Page	Section	Surface water flooding					
71	8.1	<u>Surface water flooding</u>	1 in 30 year, 0.1m - 0.3m (within 50m)				
Page	Section	Groundwater flooding					
73	9.1	<u>Groundwater flooding</u>	Negligible (within 50m)				
Page	Section	Environmental designations	On site	0-50m	50-250m	250-500m	500-2000m
74	10.1	Sites of Special Scientific Interest (SSSI)	0	0	0	0	0
75	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
75	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
75	10.4	Special Protection Areas (SPA)	0	0	0	0	0
75	10.5	National Nature Reserves (NNR)	0	0	0	0	0
76	10.6	<u>Local Nature Reserves (LNR)</u>	0	0	0	0	2
76	10.7	<u>Designated Ancient Woodland</u>	0	0	0	1	10
77	10.8	Biosphere Reserves	0	0	0	0	0
77	10.9	Forest Parks	0	0	0	0	0
77	10.10	Marine Conservation Zones	0	0	0	0	0
77	10.11	<u>Green Belt</u>	1	0	0	1	2
78	10.12	Proposed Ramsar sites	0	0	0	0	0



78	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
78	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
78	10.15	Nitrate Sensitive Areas	0	0	0	0	0
79	10.16	<u>Nitrate Vulnerable Zones</u>	1	0	0	0	3
80	10.17	SSSI Impact Risk Zones	0	-	-	-	-
80	10.18	SSSI Units	0	0	0	0	0
Page	Section	Visual and cultural designations	On site	0-50m	50-250m	250-500m	500-2000m
81	11.1	World Heritage Sites	0	0	0	-	-
82	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
82	11.3	National Parks	0	0	0	-	-
82	11.4	<u>Listed Buildings</u>	0	1	1	-	-
83	11.5	Conservation Areas	0	0	0	-	-
83	11.6	Scheduled Ancient Monuments	0	0	0	-	-
83	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	Agricultural designations	On site	0-50m	50-250m	250-500m	500-2000m
84	12.1	<u>Agricultural Land Classification</u>	Grade 3b (within 250m)				
85	12.2	Open Access Land	0	0	0	-	-
85	12.3	<u>Tree Felling Licences</u>	0	1	1	-	-
86	12.4	<u>Environmental Stewardship Schemes</u>	2	3	4	-	-
86	12.5	Countryside Stewardship Schemes	0	0	0	-	-
Page	Section	Habitat designations	On site	0-50m	50-250m	250-500m	500-2000m
87	13.1	<u>Priority Habitat Inventory</u>	1	3	9	-	-
88	13.2	Habitat Networks	0	0	0	-	-
88	13.3	Open Mosaic Habitat	0	0	0	-	-
88	13.4	Limestone Pavement Orders	0	0	0	-	-
Page	Section	Geology 1:10,000 scale	On site	0-50m	50-250m	250-500m	500-2000m
90	14.1	<u>10k Availability</u>	Identified (within 500m)				
91	14.2	<u>Artificial and made ground (10k)</u>	3	2	6	5	-
93	14.3	Superficial geology (10k)	0	0	0	0	-



93	14.4	Landslip (10k)	0	0	0	0	-
94	14.5	<u>Bedrock geology (10k)</u>	3	3	6	11	-
96	14.6	<u>Bedrock faults and other linear features (10k)</u>	2	7	12	18	-
Page	Section	Geology 1:50,000 scale	On site	0-50m	50-250m	250-500m	500-2000m
98	15.1	<u>50k Availability</u>	Identified (within 500m)				
99	15.2	<u>Artificial and made ground (50k)</u>	2	2	2	5	-
100	15.3	<u>Artificial ground permeability (50k)</u>	2	2	-	-	-
101	15.4	Superficial geology (50k)	0	0	0	0	-
101	15.5	Superficial permeability (50k)	None (within 50m)				
101	15.6	Landslip (50k)	0	0	0	0	-
101	15.7	Landslip permeability (50k)	None (within 50m)				
102	15.8	<u>Bedrock geology (50k)</u>	2	3	5	3	-
103	15.9	<u>Bedrock permeability (50k)</u>	Identified (within 50m)				
104	15.10	<u>Bedrock faults and other linear features (50k)</u>	3	5	4	9	-
Page	Section	Boreholes	On site	0-50m	50-250m	250-500m	500-2000m
105	16.1	<u>BGS Boreholes</u>	0	2	10	-	-
Page	Section	Natural ground subsidence					
107	17.1	<u>Shrink swell clays</u>	Very low (within 50m)				
109	17.2	<u>Running sands</u>	Very low (within 50m)				
111	17.3	<u>Compressible deposits</u>	Moderate (within 50m)				
113	17.4	<u>Collapsible deposits</u>	Very low (within 50m)				
114	17.5	<u>Landslides</u>	Low (within 50m)				
116	17.6	<u>Ground dissolution of soluble rocks</u>	Negligible (within 50m)				
Page	Section	Mining, ground workings and natural cavities	On site	0-50m	50-250m	250-500m	500-2000m
118	18.1	Natural cavities	0	0	0	0	-
119	18.2	<u>BritPits</u>	0	3	24	40	-
130	18.3	<u>Surface ground workings</u>	8	1	109	-	-
134	18.4	<u>Underground workings</u>	1	1	42	84	111
143	18.5	Historical Mineral Planning Areas	0	0	0	0	-



143	18.6	<u>Non-coal mining</u>	1	0	1	1	7
145	18.7	<u>Mining cavities</u>	0	0	0	1	0
145	18.8	JPB mining areas	None (within 0m)				
145	18.9	<u>Coal mining</u>	Identified (within 0m)				
146	18.10	Brine areas	None (within 0m)				
146	18.11	Gypsum areas	None (within 0m)				
146	18.12	Tin mining	None (within 0m)				
146	18.13	Clay mining	None (within 0m)				
Page	Section	Radon					
147	19.1	<u>Radon</u>	Between 1% and 3% (within 0m)				
Page	Section	Soil chemistry	On site	0-50m	50-250m	250-500m	500-2000m
149	20.1	<u>BGS Estimated Background Soil Chemistry</u>	9	10	-	-	-
150	20.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
150	20.3	BGS Measured Urban Soil Chemistry	0	0	-	-	-
Page	Section	Railway infrastructure and projects	On site	0-50m	50-250m	250-500m	500-2000m
151	21.1	Underground railways (London)	0	0	0	-	-
151	21.2	Underground railways (Non-London)	0	0	0	-	-
152	21.3	Railway tunnels	0	0	0	-	-
152	21.4	Historical railway and tunnel features	0	0	0	-	-
152	21.5	Royal Mail tunnels	0	0	0	-	-
152	21.6	Historical railways	0	0	0	-	-
152	21.7	Railways	0	0	0	-	-
153	21.8	Crossrail 1	0	0	0	0	-
153	21.9	Crossrail 2	0	0	0	0	-
153	21.10	<u>HS2</u>	0	0	5	1	-

Recent aerial photograph



Capture Date: 30/06/2018

Site Area: 5.18ha



Contact us with any questions at:

info@groundsure.com

08444 159 000

Date: 6 March 2020



Recent site history - 2013 aerial photograph



Capture Date: 07/06/2013

Site Area: 5.18ha



Contact us with any questions at:

info@groundsure.com

08444 159 000

Date: 6 March 2020

Recent site history - 2012 aerial photograph



Capture Date: 28/05/2012

Site Area: 5.18ha



Contact us with any questions at:

info@groundsure.com

08444 159 000

Date: 6 March 2020



Recent site history - 2009 aerial photograph



Capture Date: 11/09/2009

Site Area: 5.18ha



Contact us with any questions at:

info@groundsure.com

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Date: 6 March 2020

Recent site history - 1999 aerial photograph



Capture Date: 10/07/1999

Site Area: 5.18ha



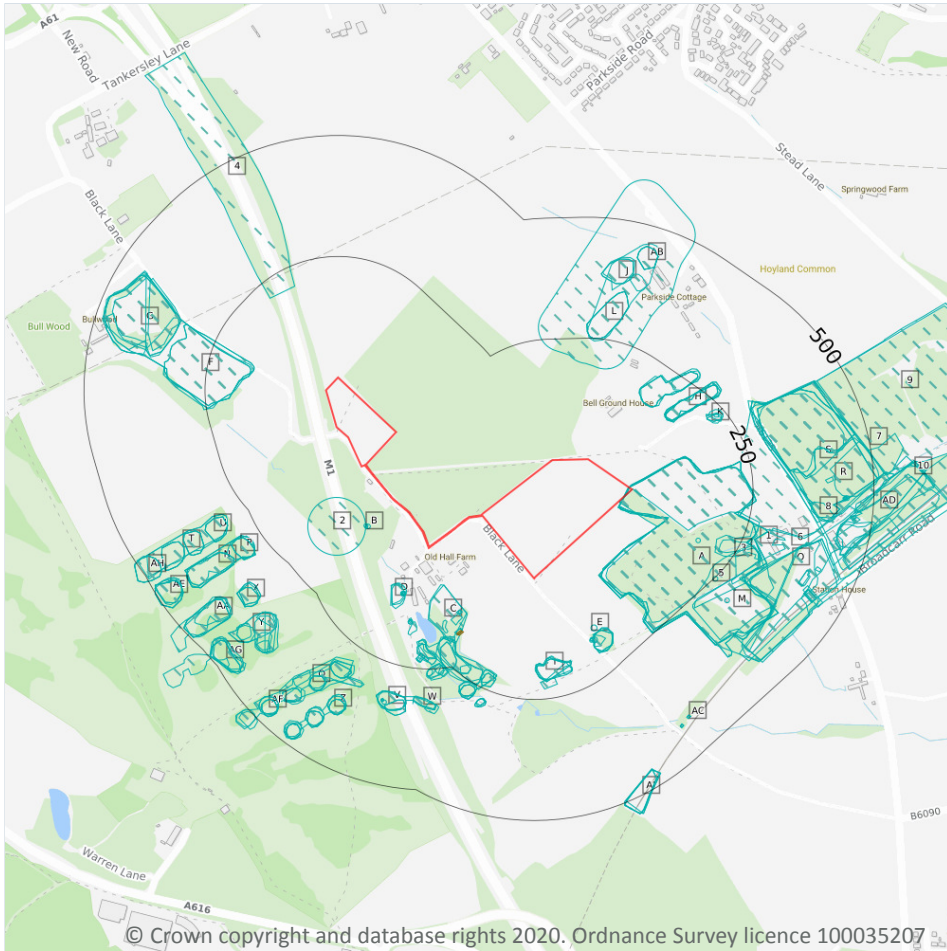
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08444 159 000

Date: 6 March 2020

1 Past land use



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

1.1 Historical industrial land uses

Records within 500m **287**

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	Colliery	1903	1715830



ID	Location	Land use	Dates present	Group ID
A	On site	Unspecified Heaps	1951	1706985
A	On site	Refuse Heap	1903	1707261
A	On site	Unspecified Heaps	1948	1727385
A	On site	Refuse Heap	1891	1736195
A	On site	Unspecified Heaps	1938	1739270
A	On site	Unspecified Heaps	1965	1741090
A	0m SE	Refuse Heap	1980	1741195
2	65m SW	Unspecified Old Shaft	1951	1689084
B	71m SW	Unspecified Disused Shaft	1965 - 1991	1716125
B	74m SW	Unspecified Old Shaft	1938	1735855
B	77m SW	Unspecified Old Shaft	1948	1671252
B	77m SW	Unspecified Old Shaft	1948	1726535
C	80m S	Pumping Station	1938	1630280
C	82m S	Pumping Station	1903	1683960
D	93m SW	Unspecified Heap	1951	1677665
D	95m SW	Unspecified Heap	1948	1628034
D	97m SW	Unspecified Heap	1891	1731437
D	102m SW	Unspecified Disused Shaft	1991	1709671
D	104m SW	Unspecified Old Shafts	1938	1709901
D	104m SW	Unspecified Old Shafts	1903	1720361
D	104m SW	Unspecified Disused Shaft	1965 - 1980	1727467
D	108m SW	Unspecified Old Shafts	1948	1693198
C	143m SE	Pumping Station	1948	1621262
C	143m SE	Pumping Station	1951	1629178
C	149m SE	Pumping Station	1891 - 1980	1619840
C	149m S	Unspecified Old Shafts	1951	1745196
C	153m S	Unspecified Old Shafts	1903	1710588
C	153m S	Unspecified Old Shafts	1938	1740557



ID	Location	Land use	Dates present	Group ID
C	153m S	Unspecified Old Shafts	1948	1652492
C	153m S	Unspecified Ground Workings	1951	1565931
E	153m SE	Unspecified Old Shafts	1938	1559433
F	155m W	Unspecified Heap	1965	1688472
F	155m W	Unspecified Heap	1951	1726457
G	155m W	Unspecified Heaps	1938 - 1948	1635319
C	155m S	Unspecified Heap	1948	1748807
H	159m NE	Unspecified Heaps	1903	1670194
H	159m NE	Unspecified Heaps	1891	1673767
H	159m NE	Unspecified Heaps	1938	1732671
H	160m NE	Unspecified Heaps	1948 - 1951	1692598
G	161m W	Unspecified Heaps	1903	1666539
G	161m W	Unspecified Heaps	1891	1750036
H	161m NE	Unspecified Heaps	1948	1623772
H	161m NE	Unspecified Heaps	1948	1703318
H	162m NE	Unspecified Heaps	1891	1658028
H	162m NE	Unspecified Heaps	1903	1663676
H	162m NE	Unspecified Heaps	1938	1729687
H	163m NE	Unspecified Heaps	1951	1653247
H	163m NE	Unspecified Heaps	1965 - 1991	1742259
I	164m S	Unspecified Pit	1951	1634871
I	166m S	Unspecified Heaps	1948	1646031
I	167m S	Old Ironstone Pits	1938	1700641
A	168m SE	Disused Air Shaft	1965 - 1991	1725625
E	168m SE	Old Ironstone Pits	1938	1575284
E	168m SE	Old Ironstone Pit	1903	1613043
E	169m SE	Unspecified Old Shaft	1938	1676131
I	170m S	Old Ironstone Pits	1903	1679076



ID	Location	Land use	Dates present	Group ID
I	170m S	Unspecified Pit	1891	1691247
E	170m SE	Unspecified Heap	1965 - 1991	1614859
E	170m SE	Unspecified Heap	1951	1702218
E	170m SE	Unspecified Old Shaft	1948 - 1951	1637995
E	171m SE	Unspecified Old Shaft	1903	1621263
E	171m SE	Unspecified Heap	1948	1614640
E	172m SE	Unspecified Disused Shaft	1965 - 1991	1693518
C	178m S	Unspecified Tanks	1951	1643051
C	179m S	Unspecified Tanks	1938 - 1948	1699680
C	186m S	Refuse Heap	1951	1742984
C	186m S	Refuse Heap	1948	1702715
C	188m S	Unspecified Heap	1965 - 1991	1709451
C	189m S	Unspecified Ground Workings	1951	1565930
C	189m S	Refuse Heap	1938	1665892
J	189m N	Opencast Mining	1951	1572172
C	190m S	Old Ironstone Pits	1948	1747976
I	193m S	Unspecified Heap	1951	1569091
C	198m S	Old Ironstone Pits	1903	1575283
C	198m S	Refuse Heap	1891	1691337
C	199m S	Unspecified Heap	1891	1569087
C	199m S	Old Ironstone Pits	1903	1636247
3	203m SE	Unspecified Ground Workings	1991	1565929
4	209m NW	Cuttings	1980 - 1991	1702698
I	210m S	Cuttings	1948	1561833
C	211m SW	Unspecified Heap	1951	1656431
C	212m SW	Old Ironstone Pits	1948	1682196
K	213m NE	Unspecified Heap	1903	1648528
K	213m NE	Unspecified Heap	1948	1665641



ID	Location	Land use	Dates present	Group ID
K	213m NE	Unspecified Heap	1938	1744540
C	217m SW	Old Ironstone Pits	1903	1728137
C	217m SW	Unspecified Heap	1891	1735862
C	217m S	Pumping Station	1951	1639459
C	217m SW	Old Ironstone Pits	1903	1651996
C	218m S	Pumping Station	1938	1637058
K	219m NE	Unspecified Heap	1965 - 1991	1678147
H	219m NE	Unspecified Heaps	1965 - 1991	1681494
C	222m S	Pumping Station	1991	1690228
C	228m S	Pumping Station	1948	1658048
K	228m NE	Unspecified Pit	1951	1609978
C	238m S	Unspecified Heaps	1951	1599481
C	241m S	Old Ironstone Pits	1938	1643545
C	242m S	Old Ironstone Pits	1948	1639266
C	244m S	Old Ironstone Pits	1903	1737587
J	245m N	Old Ironstone Pits	1948 - 1951	1691769
C	246m S	Unspecified Heap	1991	1569093
5	248m SE	Disused Air Shaft	1965 - 1991	1717952
L	249m N	Unspecified Heap	1891	1569088
L	249m N	Old Ironstone Pits	1938	1641336
L	249m N	Old Ironstone Pits	1903	1683358
C	250m SW	Unspecified Heap	1951	1621092
C	250m SW	Unspecified Heap	1965 - 1991	1687696
C	251m S	Old Ironstone Pits	1938	1648307
M	252m SE	Unspecified Heap	1980	1569509
C	256m SW	Unspecified Heap	1891	1624703
C	256m SW	Old Ironstone Pits	1903	1730974
C	256m SW	Old Ironstone Pits	1938	1688360



ID	Location	Land use	Dates present	Group ID
6	260m SE	Railway Sidings	1891	1729332
C	269m SW	Unspecified Heap	1951	1569095
C	269m SW	Old Ironstone Pits	1938	1620549
C	269m SW	Old Ironstone Pits	1903	1704904
C	271m SW	Old Ironstone Pits	1948	1686966
N	273m SW	Old Ironstone Pits	1951	1686049
N	273m SW	Unspecified Heaps	1965 - 1991	1744224
O	274m E	Railway Sidings	1903	1615081
N	277m SW	Old Ironstone Pits	1948	1682720
P	279m SW	Unspecified Heap	1891	1569086
P	279m SW	Old Ironstone Pits	1938	1689482
P	279m SW	Old Ironstone Pits	1903	1714811
Q	280m SW	Old Ironstone Pits	1951	1667928
R	287m NE	Colliery	1891	1644531
Q	288m SW	Unspecified Heaps	1965 - 1991	1618871
S	288m NE	Refuse Heaps	1948	1696476
Q	290m SW	Old Ironstone Pits	1948	1621049
7	292m NE	Colliery	1965	1633319
T	293m SW	Unspecified Heaps	1965 - 1991	1721629
T	293m SW	Old Ironstone Pits	1948 - 1951	1746275
S	293m NE	Unspecified Heap	1951	1723867
S	294m E	Unspecified Heap	1980	1635561
S	294m E	Unspecified Heap	1965	1641736
S	294m E	Unspecified Heap	1991	1675927
S	295m NE	Refuse Heap	1938	1651533
S	295m NE	Refuse Heap	1903	1719277
M	297m SE	Disused Air Shaft	1965 - 1991	1655557
U	299m SW	Unspecified Heap	1891	1569085



ID	Location	Land use	Dates present	Group ID
U	299m SW	Old Ironstone Pits	1938	1654161
U	299m SW	Old Ironstone Pits	1903	1672059
Q	300m SW	Unspecified Heap	1891	1569092
Q	300m SW	Old Ironstone Pits	1903	1650252
Q	300m SW	Old Ironstone Pits	1938	1664341
O	305m SE	Railway Sidings	1980	1742345
V	307m S	Unspecified Heap	1965	1628309
V	307m S	Unspecified Heap	1951	1724937
W	307m S	Unspecified Heap	1951	1569094
V	308m S	Old Ironstone Pits	1938	1730429
V	309m S	Unspecified Ground Workings	1948	1640178
W	309m S	Old Ironstone Pits	1938	1650485
O	309m SE	Railway Sidings	1965	1739410
V	319m S	Unspecified Heap	1891	1665276
V	319m S	Old Ironstone Pits	1903	1628480
W	320m S	Old Ironstone Pits	1903	1685002
V	325m S	Unspecified Old Shaft	1951	1631984
N	325m SW	Unspecified Heaps	1891	1724921
N	325m SW	Old Ironstone Pits	1903	1665254
N	325m SW	Old Ironstone Pits	1938	1705967
V	326m S	Unspecified Old Shaft	1938	1682167
V	327m S	Unspecified Disused Shaft	1965	1578417
V	327m S	Unspecified Old Shaft	1948	1656969
X	329m SW	Old Ironstone Pits	1951	1665042
X	329m SW	Unspecified Heap	1965 - 1991	1684103
G	332m NW	Unspecified Disused Tip	1991	1614477
G	332m NW	Unspecified Disused Tip	1980	1721690
G	333m W	Unspecified Ground Workings	1965	1565928



ID	Location	Land use	Dates present	Group ID
G	333m NW	Unspecified Heaps	1951	1663484
X	334m SW	Old Ironstone Pits	1938 - 1948	1720014
R	335m E	Unspecified Ground Workings	1965 - 1991	1722433
X	339m SW	Unspecified Heap	1891	1665371
X	339m SW	Old Ironstone Pits	1903	1650992
Y	340m SW	Old Ironstone Pits	1903	1641278
Y	340m SW	Old Ironstone Pits	1938 - 1948	1660059
Y	343m SW	Unspecified Heaps	1965 - 1991	1669122
Y	344m SW	Old Ironstone Pits	1951	1676559
Q	345m SW	Unspecified Heap	1891	1569079
Q	345m SW	Old Ironstone Pits	1938	1623110
Q	345m SW	Old Ironstone Pits	1903	1623507
Y	352m SW	Unspecified Heaps	1891	1705208
J	353m N	Old Ironstone Pits	1938	1676592
Q	354m SW	Old Ironstone Pits	1938	1740413
Z	354m SW	Unspecified Heap	1965 - 1991	1630549
Z	354m SW	Old Ironstone Pits	1951	1709505
Z	357m SW	Old Ironstone Pits	1948	1669807
T	357m SW	Unspecified Heap	1891	1569084
T	357m SW	Old Ironstone Pits	1903	1669422
T	357m SW	Old Ironstone Pits	1938	1748313
O	362m E	Railway Sidings	1938	1667766
J	362m N	Old Ironstone Pits	1938	1630777
Z	363m SW	Old Ironstone Pits	1938	1635219
Z	363m SW	Old Ironstone Pits	1903	1702278
Z	363m SW	Unspecified Heap	1891	1721376
O	365m SE	Railway Sidings	1948 - 1951	1666415
J	367m N	Unspecified Heap	1891	1569090



ID	Location	Land use	Dates present	Group ID
J	367m N	Old Ironstone Pits	1903	1617324
Y	372m SW	Old Ironstone Pits	1951	1640733
8	373m E	Unspecified Heap	1951	1569510
G	381m W	Unspecified Ground Workings	1966	1618139
G	381m W	Unspecified Ground Workings	1951	1748257
Y	382m SW	Old Ironstone Pits	1938	1705442
AA	390m SW	Old Ironstone Pits	1951	1685582
Q	391m SW	Unspecified Heap	1965 - 1991	1625593
AA	391m SW	Unspecified Heaps	1965 - 1991	1747757
Y	393m SW	Unspecified Heap	1965 - 1991	1733785
AA	393m SW	Old Ironstone Pits	1948	1641977
Y	394m SW	Old Ironstone Pits	1951	1710305
O	394m SE	Railway Building	1938	1657056
O	395m SE	Railway Building	1948 - 1951	1700957
Q	398m SW	Old Ironstone Pits	1938	1633419
Q	398m SW	Unspecified Heap	1891	1642724
Q	398m SW	Old Ironstone Pits	1903	1642884
AA	399m SW	Unspecified Heaps	1891	1627196
AA	399m SW	Old Ironstone Pits	1938	1633025
AA	399m SW	Old Ironstone Pits	1903	1657860
Z	399m SW	Old Ironstone Pits	1951	1673825
Z	399m SW	Unspecified Heap	1965 - 1991	1682409
R	400m E	Magazine	1891	1595254
T	401m SW	Unspecified Heap	1891	1569083
T	401m SW	Old Ironstone Pits	1903	1720054
T	401m SW	Old Ironstone Pits	1938	1726058
Z	408m SW	Unspecified Heap	1891	1659353
Z	408m SW	Old Ironstone Pits	1938	1749534



ID	Location	Land use	Dates present	Group ID
Z	408m SW	Old Ironstone Pits	1903	1749649
AB	409m N	Unspecified Heap	1891	1569089
AB	409m N	Old Ironstone Pits	1903	1739481
AB	409m N	Old Ironstone Pits	1938	1742910
O	410m SE	Railway Station	1965 - 1980	1653207
R	411m E	Unspecified Heap	1951	1569511
O	413m SE	Railway Building	1951	1584992
O	415m SE	Railway Station	1948	1644115
O	416m SE	Railway Station	1903	1669232
O	416m SE	Railway Station	1938	1670716
O	417m SE	Railway Station	1951	1679247
AC	424m SE	Railway Building	1903	1672614
AC	424m SE	Railway Building	1938	1743248
AC	428m SE	Railway Building	1903	1645887
AC	428m SE	Railway Building	1938	1668635
R	431m E	Refuse Heap	1948	1644446
AD	433m E	Unspecified Ground Workings	1965	1565933
R	434m E	Refuse Heap	1938	1745097
AD	435m E	Unspecified Heap	1980 - 1991	1746717
R	436m E	Unspecified Old Shaft	1938	1640063
R	437m E	Unspecified Old Shaft	1948	1645291
R	438m E	Unspecified Old Shaft	1951	1646987
R	440m E	Unspecified Disused Shaft	1965 - 1991	1737508
9	443m NE	Unspecified Disused Tip	1980 - 1991	1651482
AE	443m SW	Old Ironstone Pits	1951	1704725
AE	443m SW	Unspecified Heap	1965 - 1991	1720683
AF	444m SW	Old Ironstone Pits	1951	1659579
AF	444m SW	Unspecified Heap	1965 - 1991	1727236



ID	Location	Land use	Dates present	Group ID
AE	446m SW	Old Ironstone Pits	1948	1688541
AG	447m SW	Unspecified Heaps	1965 - 1991	1652314
AE	447m SW	Old Ironstone Pits	1903	1665968
AE	447m SW	Unspecified Heap	1891	1674919
AE	447m SW	Old Ironstone Pits	1938	1680158
AG	449m SW	Old Ironstone Pits	1951	1704942
AF	450m SW	Unspecified Heap	1891	1616905
AF	450m SW	Old Ironstone Pits	1903	1622390
AF	450m SW	Unspecified Heap	1938	1744832
Z	450m SW	Old Ironstone Pits	1951	1642480
Z	450m SW	Unspecified Heap	1965 - 1991	1615827
AG	452m SW	Old Ironstone Pits	1948	1636738
AG	454m SW	Old Ironstone Pits	1938	1648225
AG	454m SW	Unspecified Heaps	1891	1650218
AG	454m SW	Old Ironstone Pits	1903	1692474
R	455m E	Unspecified Shaft	1948	1695015
Z	456m SW	Old Ironstone Pits	1938	1655179
Z	456m SW	Old Ironstone Pits	1903	1699982
Z	456m SW	Unspecified Heap	1891	1722184
R	457m E	Unspecified Shaft	1951	1728252
AD	459m E	Cuttings	1938 - 1948	1728658
R	461m E	Unspecified Shaft	1938	1729025
AH	462m SW	Unspecified Heap	1891	1569082
AH	462m SW	Old Ironstone Pits	1938	1661747
AH	462m SW	Old Ironstone Pits	1903	1697404
AI	462m SE	Cuttings	1948	1615356
10	462m E	Refuse Heap	1938	1596926
R	463m E	Cuttings	1951	1628767



ID	Location	Land use	Dates present	Group ID
AI	463m SE	Cuttings	1903	1629092
AI	463m SE	Cuttings	1938	1659137
AI	464m SE	Cuttings	1965 - 1991	1629650
AI	464m SE	Cuttings	1951	1694125
AF	497m SW	Old Ironstone Pits	1951	1693089
AF	498m SW	Unspecified Heap	1965 - 1991	1646843

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m

2

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	183m S	Unspecified Tank	1956 - 1972	278365
C	183m SW	Unspecified Tank	1983	270420

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m

0

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

This data is sourced from Ordnance Survey / Groundsure.



1.4 Historical petrol stations

Records within 500m

0

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

This data is sourced from Ordnance Survey / Groundsure.

1.5 Historical garages

Records within 500m

0

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

This data is sourced from Ordnance Survey / Groundsure.

1.6 Historical military land

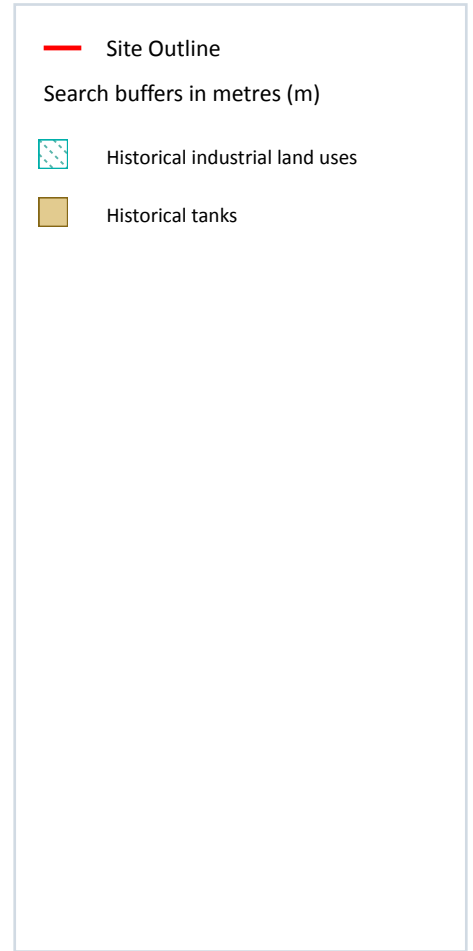
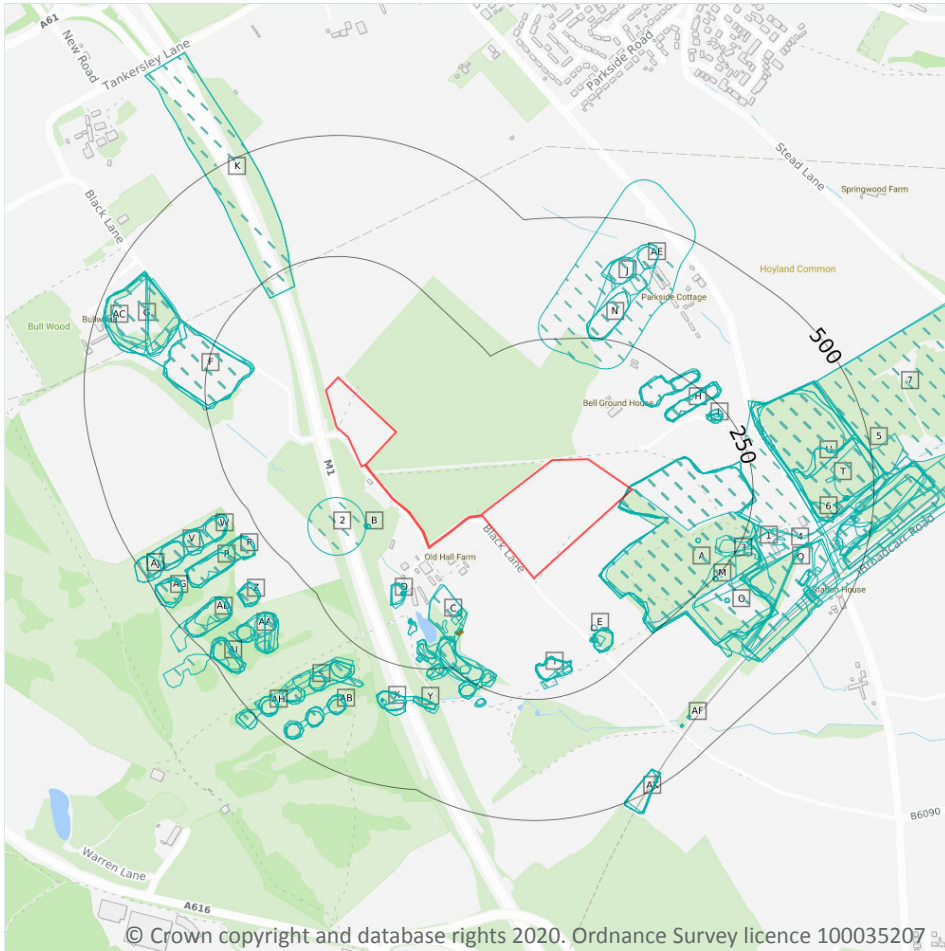
Records within 500m

0

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

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

2 Past land use - un-grouped



2.1 Historical industrial land uses

Records within 500m	380
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Potentially contaminative land use features digitised from historical Ordnance Survey mapping at 1:10,000 and 10,560 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

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

ID	Location	Land Use	Date	Group ID
1	On site	Colliery	1903	1715830
A	On site	Unspecified Heaps	1965	1741090
A	On site	Unspecified Heaps	1951	1706985

ID	Location	Land Use	Date	Group ID
A	On site	Unspecified Heaps	1938	1739270
A	On site	Refuse Heap	1903	1707261
A	On site	Refuse Heap	1891	1736195
A	On site	Unspecified Heaps	1948	1727385
A	On site	Unspecified Heaps	1948	1727385
A	0m SE	Refuse Heap	1980	1741195
2	65m SW	Unspecified Old Shaft	1951	1689084
B	71m SW	Unspecified Disused Shaft	1991	1716125
B	71m SW	Unspecified Disused Shaft	1980	1716125
B	71m SW	Unspecified Disused Shaft	1965	1716125
B	74m SW	Unspecified Old Shaft	1938	1735855
B	77m SW	Unspecified Old Shaft	1948	1726535
B	77m SW	Unspecified Old Shaft	1948	1671252
C	80m S	Pumping Station	1938	1630280
C	82m S	Pumping Station	1903	1683960
D	93m SW	Unspecified Heap	1951	1677665
D	95m SW	Unspecified Heap	1948	1628034
D	95m SW	Unspecified Heap	1948	1628034
D	97m SW	Unspecified Heap	1891	1731437
D	102m SW	Unspecified Disused Shaft	1991	1709671
D	104m SW	Unspecified Old Shafts	1938	1709901
D	104m SW	Unspecified Old Shafts	1903	1720361
D	104m SW	Unspecified Disused Shaft	1980	1727467
D	104m SW	Unspecified Disused Shaft	1965	1727467
D	108m SW	Unspecified Old Shafts	1948	1693198
D	108m SW	Unspecified Old Shafts	1948	1693198
C	143m SE	Pumping Station	1951	1629178
C	143m SE	Pumping Station	1948	1621262



ID	Location	Land Use	Date	Group ID
C	149m SE	Pumping Station	1891	1619840
C	149m S	Unspecified Old Shafts	1951	1745196
C	151m SE	Pumping Station	1980	1619840
C	153m S	Unspecified Old Shafts	1938	1740557
C	153m S	Unspecified Old Shafts	1903	1710588
C	153m S	Unspecified Old Shafts	1948	1652492
C	153m S	Unspecified Old Shafts	1948	1652492
C	153m S	Unspecified Ground Workings	1951	1565931
E	153m SE	Unspecified Old Shafts	1938	1559433
F	155m W	Unspecified Heap	1965	1688472
F	155m W	Unspecified Heap	1951	1726457
G	155m W	Unspecified Heaps	1948	1635319
G	155m W	Unspecified Heaps	1948	1635319
C	155m S	Unspecified Heap	1948	1748807
C	155m S	Unspecified Heap	1948	1748807
H	159m NE	Unspecified Heaps	1938	1732671
H	159m NE	Unspecified Heaps	1903	1670194
H	159m NE	Unspecified Heaps	1891	1673767
H	160m NE	Unspecified Heaps	1948	1692598
H	160m NE	Unspecified Heaps	1948	1692598
G	161m W	Unspecified Heaps	1938	1635319
G	161m W	Unspecified Heaps	1903	1666539
G	161m W	Unspecified Heaps	1891	1750036
H	161m NE	Unspecified Heaps	1948	1623772
H	161m NE	Unspecified Heaps	1948	1703318
H	162m NE	Unspecified Heaps	1938	1729687
H	162m NE	Unspecified Heaps	1903	1663676
H	162m NE	Unspecified Heaps	1891	1658028



ID	Location	Land Use	Date	Group ID
H	163m NE	Unspecified Heaps	1991	1742259
H	163m NE	Unspecified Heaps	1980	1742259
H	163m NE	Unspecified Heaps	1965	1742259
H	163m NE	Unspecified Heaps	1951	1653247
I	164m S	Unspecified Pit	1951	1634871
H	164m NE	Unspecified Heaps	1951	1692598
I	166m S	Unspecified Heaps	1948	1646031
I	166m S	Unspecified Heaps	1948	1646031
I	167m S	Old Ironstone Pits	1938	1700641
A	168m SE	Disused Air Shaft	1991	1725625
A	168m SE	Disused Air Shaft	1980	1725625
A	168m SE	Disused Air Shaft	1965	1725625
E	168m SE	Old Ironstone Pits	1938	1575284
E	168m SE	Old Ironstone Pit	1903	1613043
E	169m SE	Unspecified Old Shaft	1938	1676131
I	170m S	Unspecified Pit	1891	1691247
I	170m S	Old Ironstone Pits	1903	1679076
E	170m SE	Unspecified Heap	1991	1614859
E	170m SE	Unspecified Heap	1980	1614859
E	170m SE	Unspecified Heap	1965	1614859
E	170m SE	Unspecified Heap	1951	1702218
E	170m SE	Unspecified Old Shaft	1948	1637995
E	170m SE	Unspecified Old Shaft	1948	1637995
E	171m SE	Unspecified Old Shaft	1951	1637995
E	171m SE	Unspecified Old Shaft	1903	1621263
E	171m SE	Unspecified Heap	1948	1614640
E	171m SE	Unspecified Heap	1948	1614640
E	172m SE	Unspecified Disused Shaft	1991	1693518



ID	Location	Land Use	Date	Group ID
E	172m SE	Unspecified Disused Shaft	1980	1693518
E	172m SE	Unspecified Disused Shaft	1965	1693518
C	178m S	Unspecified Tanks	1951	1643051
C	179m S	Unspecified Tanks	1938	1699680
C	179m S	Unspecified Tanks	1948	1699680
C	186m S	Refuse Heap	1951	1742984
C	186m S	Refuse Heap	1948	1702715
C	186m S	Refuse Heap	1948	1702715
C	188m S	Unspecified Heap	1991	1709451
C	188m S	Unspecified Heap	1980	1709451
C	188m S	Unspecified Heap	1965	1709451
C	189m S	Unspecified Ground Workings	1951	1565930
C	189m S	Refuse Heap	1938	1665892
J	189m N	Opencast Mining	1951	1572172
C	190m S	Old Ironstone Pits	1948	1747976
I	193m S	Unspecified Heap	1951	1569091
C	198m S	Refuse Heap	1891	1691337
C	198m S	Old Ironstone Pits	1903	1575283
C	199m S	Unspecified Heap	1891	1569087
C	199m S	Old Ironstone Pits	1903	1636247
3	203m SE	Unspecified Ground Workings	1991	1565929
K	209m NW	Cuttings	1991	1702698
K	209m NW	Cuttings	1980	1702698
I	210m S	Cuttings	1948	1561833
C	211m SW	Unspecified Heap	1951	1656431
C	212m SW	Old Ironstone Pits	1948	1682196
L	213m NE	Unspecified Heap	1938	1744540
L	213m NE	Unspecified Heap	1903	1648528



ID	Location	Land Use	Date	Group ID
L	213m NE	Unspecified Heap	1948	1665641
L	213m NE	Unspecified Heap	1948	1665641
C	217m SW	Unspecified Heap	1891	1735862
C	217m SW	Old Ironstone Pits	1903	1728137
C	217m S	Pumping Station	1951	1639459
C	217m SW	Old Ironstone Pits	1903	1651996
C	218m S	Pumping Station	1938	1637058
L	219m NE	Unspecified Heap	1991	1678147
L	219m NE	Unspecified Heap	1980	1678147
L	219m NE	Unspecified Heap	1965	1678147
H	219m NE	Unspecified Heaps	1991	1681494
H	219m NE	Unspecified Heaps	1980	1681494
H	219m NE	Unspecified Heaps	1965	1681494
C	222m S	Pumping Station	1991	1690228
C	228m S	Pumping Station	1948	1658048
L	228m NE	Unspecified Pit	1951	1609978
C	238m S	Unspecified Heaps	1951	1599481
C	241m S	Old Ironstone Pits	1938	1643545
C	242m S	Old Ironstone Pits	1948	1639266
C	244m S	Old Ironstone Pits	1903	1737587
J	245m N	Old Ironstone Pits	1948	1691769
C	246m S	Unspecified Heap	1991	1569093
M	248m SE	Disused Air Shaft	1991	1717952
M	248m SE	Disused Air Shaft	1980	1717952
M	248m SE	Disused Air Shaft	1965	1717952
J	249m N	Old Ironstone Pits	1951	1691769
N	249m N	Unspecified Heap	1891	1569088
N	249m N	Old Ironstone Pits	1938	1641336



ID	Location	Land Use	Date	Group ID
N	249m N	Old Ironstone Pits	1903	1683358
C	250m SW	Unspecified Heap	1991	1687696
C	250m SW	Unspecified Heap	1980	1687696
C	250m SW	Unspecified Heap	1965	1687696
C	250m SW	Unspecified Heap	1951	1621092
C	251m S	Old Ironstone Pits	1938	1648307
O	252m SE	Unspecified Heap	1980	1569509
C	256m SW	Unspecified Heap	1891	1624703
C	256m SW	Old Ironstone Pits	1938	1688360
C	256m SW	Old Ironstone Pits	1903	1730974
4	260m SE	Railway Sidings	1891	1729332
C	269m SW	Unspecified Heap	1951	1569095
C	269m SW	Old Ironstone Pits	1938	1620549
C	269m SW	Old Ironstone Pits	1903	1704904
C	271m SW	Old Ironstone Pits	1948	1686966
P	273m SW	Unspecified Heaps	1991	1744224
P	273m SW	Unspecified Heaps	1980	1744224
P	273m SW	Unspecified Heaps	1965	1744224
P	273m SW	Old Ironstone Pits	1951	1686049
Q	274m E	Railway Sidings	1903	1615081
P	277m SW	Old Ironstone Pits	1948	1682720
R	279m SW	Unspecified Heap	1891	1569086
R	279m SW	Old Ironstone Pits	1938	1689482
R	279m SW	Old Ironstone Pits	1903	1714811
S	280m SW	Old Ironstone Pits	1951	1667928
T	287m NE	Colliery	1891	1644531
S	288m SW	Unspecified Heaps	1991	1618871
S	288m SW	Unspecified Heaps	1980	1618871



ID	Location	Land Use	Date	Group ID
S	288m SW	Unspecified Heaps	1965	1618871
U	288m NE	Refuse Heaps	1948	1696476
U	288m NE	Refuse Heaps	1948	1696476
S	290m SW	Old Ironstone Pits	1948	1621049
5	292m NE	Colliery	1965	1633319
V	293m SW	Unspecified Heaps	1991	1721629
V	293m SW	Unspecified Heaps	1980	1721629
V	293m SW	Unspecified Heaps	1965	1721629
V	293m SW	Old Ironstone Pits	1951	1746275
U	293m NE	Unspecified Heap	1951	1723867
U	294m E	Unspecified Heap	1991	1675927
U	294m E	Unspecified Heap	1980	1635561
U	294m E	Unspecified Heap	1965	1641736
U	295m NE	Refuse Heap	1938	1651533
U	295m NE	Refuse Heap	1903	1719277
O	297m SE	Disused Air Shaft	1991	1655557
O	297m SE	Disused Air Shaft	1980	1655557
O	297m SE	Disused Air Shaft	1965	1655557
V	298m SW	Old Ironstone Pits	1948	1746275
W	299m SW	Unspecified Heap	1891	1569085
W	299m SW	Old Ironstone Pits	1938	1654161
W	299m SW	Old Ironstone Pits	1903	1672059
S	300m SW	Unspecified Heap	1891	1569092
S	300m SW	Old Ironstone Pits	1938	1664341
S	300m SW	Old Ironstone Pits	1903	1650252
Q	305m SE	Railway Sidings	1980	1742345
X	307m S	Unspecified Heap	1965	1628309
X	307m S	Unspecified Heap	1951	1724937



ID	Location	Land Use	Date	Group ID
Y	307m S	Unspecified Heap	1951	1569094
X	308m S	Old Ironstone Pits	1938	1730429
X	309m S	Unspecified Ground Workings	1948	1640178
X	309m S	Unspecified Ground Workings	1948	1640178
Y	309m S	Old Ironstone Pits	1938	1650485
Q	309m SE	Railway Sidings	1965	1739410
X	319m S	Unspecified Heap	1891	1665276
X	319m S	Old Ironstone Pits	1903	1628480
Y	320m S	Old Ironstone Pits	1903	1685002
X	325m S	Unspecified Old Shaft	1951	1631984
P	325m SW	Unspecified Heaps	1891	1724921
P	325m SW	Old Ironstone Pits	1938	1705967
P	325m SW	Old Ironstone Pits	1903	1665254
X	326m S	Unspecified Old Shaft	1938	1682167
X	327m S	Unspecified Disused Shaft	1965	1578417
X	327m S	Unspecified Old Shaft	1948	1656969
X	327m S	Unspecified Old Shaft	1948	1656969
Z	329m SW	Unspecified Heap	1991	1684103
Z	329m SW	Unspecified Heap	1980	1684103
Z	329m SW	Unspecified Heap	1965	1684103
Z	329m SW	Old Ironstone Pits	1951	1665042
G	332m NW	Unspecified Disused Tip	1991	1614477
G	332m NW	Unspecified Disused Tip	1980	1721690
G	333m W	Unspecified Ground Workings	1965	1565928
G	333m NW	Unspecified Heaps	1951	1663484
Z	334m SW	Old Ironstone Pits	1948	1720014
T	335m E	Unspecified Ground Workings	1991	1722433
T	335m E	Unspecified Ground Workings	1980	1722433



ID	Location	Land Use	Date	Group ID
T	335m E	Unspecified Ground Workings	1965	1722433
Z	339m SW	Unspecified Heap	1891	1665371
Z	339m SW	Old Ironstone Pits	1938	1720014
Z	339m SW	Old Ironstone Pits	1903	1650992
AA	340m SW	Old Ironstone Pits	1938	1660059
AA	340m SW	Old Ironstone Pits	1903	1641278
AA	343m SW	Unspecified Heaps	1991	1669122
AA	343m SW	Unspecified Heaps	1980	1669122
AA	343m SW	Unspecified Heaps	1965	1669122
AA	344m SW	Old Ironstone Pits	1951	1676559
S	345m SW	Unspecified Heap	1891	1569079
S	345m SW	Old Ironstone Pits	1938	1623110
S	345m SW	Old Ironstone Pits	1903	1623507
AA	347m SW	Old Ironstone Pits	1948	1660059
AA	352m SW	Unspecified Heaps	1891	1705208
J	353m N	Old Ironstone Pits	1938	1676592
S	354m SW	Old Ironstone Pits	1938	1740413
AB	354m SW	Unspecified Heap	1991	1630549
AB	354m SW	Unspecified Heap	1980	1630549
AB	354m SW	Unspecified Heap	1965	1630549
AB	354m SW	Old Ironstone Pits	1951	1709505
AB	357m SW	Old Ironstone Pits	1948	1669807
V	357m SW	Unspecified Heap	1891	1569084
V	357m SW	Old Ironstone Pits	1938	1748313
V	357m SW	Old Ironstone Pits	1903	1669422
Q	362m E	Railway Sidings	1938	1667766
J	362m N	Old Ironstone Pits	1938	1630777
AB	363m SW	Unspecified Heap	1891	1721376



ID	Location	Land Use	Date	Group ID
AB	363m SW	Old Ironstone Pits	1938	1635219
AB	363m SW	Old Ironstone Pits	1903	1702278
Q	365m SE	Railway Sidings	1948	1666415
Q	366m SE	Railway Sidings	1951	1666415
J	367m N	Unspecified Heap	1891	1569090
J	367m N	Old Ironstone Pits	1903	1617324
AA	372m SW	Old Ironstone Pits	1951	1640733
6	373m E	Unspecified Heap	1951	1569510
AC	381m W	Unspecified Ground Workings	1966	1618139
AC	381m W	Unspecified Ground Workings	1951	1748257
AA	382m SW	Old Ironstone Pits	1938	1705442
AC	383m W	Unspecified Disused Tip	1980	1721690
AD	390m SW	Old Ironstone Pits	1951	1685582
S	391m SW	Unspecified Heap	1991	1625593
S	391m SW	Unspecified Heap	1980	1625593
S	391m SW	Unspecified Heap	1965	1625593
AD	391m SW	Unspecified Heaps	1991	1747757
AD	391m SW	Unspecified Heaps	1980	1747757
AD	391m SW	Unspecified Heaps	1965	1747757
AA	393m SW	Unspecified Heap	1991	1733785
AA	393m SW	Unspecified Heap	1980	1733785
AA	393m SW	Unspecified Heap	1965	1733785
AD	393m SW	Old Ironstone Pits	1948	1641977
AA	394m SW	Old Ironstone Pits	1951	1710305
Q	394m SE	Railway Building	1938	1657056
Q	395m SE	Railway Building	1948	1700957
Q	396m SE	Railway Building	1951	1700957
S	398m SW	Unspecified Heap	1891	1642724



ID	Location	Land Use	Date	Group ID
S	398m SW	Old Ironstone Pits	1938	1633419
S	398m SW	Old Ironstone Pits	1903	1642884
AD	399m SW	Unspecified Heaps	1891	1627196
AD	399m SW	Old Ironstone Pits	1938	1633025
AD	399m SW	Old Ironstone Pits	1903	1657860
AB	399m SW	Unspecified Heap	1991	1682409
AB	399m SW	Unspecified Heap	1980	1682409
AB	399m SW	Unspecified Heap	1965	1682409
AB	399m SW	Old Ironstone Pits	1951	1673825
T	400m E	Magazine	1891	1595254
V	401m SW	Unspecified Heap	1891	1569083
V	401m SW	Old Ironstone Pits	1938	1726058
V	401m SW	Old Ironstone Pits	1903	1720054
AB	408m SW	Unspecified Heap	1891	1659353
AB	408m SW	Old Ironstone Pits	1938	1749534
AB	408m SW	Old Ironstone Pits	1903	1749649
AE	409m N	Unspecified Heap	1891	1569089
AE	409m N	Old Ironstone Pits	1938	1742910
AE	409m N	Old Ironstone Pits	1903	1739481
Q	410m SE	Railway Station	1980	1653207
Q	410m SE	Railway Station	1965	1653207
T	411m E	Unspecified Heap	1951	1569511
Q	413m SE	Railway Building	1951	1584992
Q	415m SE	Railway Station	1948	1644115
Q	416m SE	Railway Station	1938	1670716
Q	416m SE	Railway Station	1903	1669232
Q	417m SE	Railway Station	1951	1679247
AF	424m SE	Railway Building	1938	1743248



ID	Location	Land Use	Date	Group ID
AF	424m SE	Railway Building	1903	1672614
AF	428m SE	Railway Building	1938	1668635
AF	428m SE	Railway Building	1903	1645887
T	431m E	Refuse Heap	1948	1644446
T	431m E	Refuse Heap	1948	1644446
T	433m E	Unspecified Ground Workings	1965	1565933
T	434m E	Refuse Heap	1938	1745097
T	435m E	Unspecified Heap	1980	1746717
T	436m E	Unspecified Old Shaft	1938	1640063
T	437m E	Unspecified Old Shaft	1948	1645291
T	437m E	Unspecified Old Shaft	1948	1645291
T	438m E	Unspecified Old Shaft	1951	1646987
T	440m E	Unspecified Disused Shaft	1991	1737508
T	440m E	Unspecified Disused Shaft	1980	1737508
T	440m E	Unspecified Disused Shaft	1965	1737508
7	443m NE	Unspecified Disused Tip	1991	1651482
AG	443m SW	Unspecified Heap	1991	1720683
AG	443m SW	Unspecified Heap	1980	1720683
AG	443m SW	Unspecified Heap	1965	1720683
AG	443m SW	Old Ironstone Pits	1951	1704725
AH	444m SW	Unspecified Heap	1991	1727236
AH	444m SW	Unspecified Heap	1980	1727236
AH	444m SW	Unspecified Heap	1965	1727236
AH	444m SW	Old Ironstone Pits	1951	1659579
AG	446m SW	Old Ironstone Pits	1948	1688541
AI	447m SW	Unspecified Heaps	1991	1652314
AI	447m SW	Unspecified Heaps	1980	1652314
AI	447m SW	Unspecified Heaps	1965	1652314



ID	Location	Land Use	Date	Group ID
AG	447m SW	Unspecified Heap	1891	1674919
AG	447m SW	Old Ironstone Pits	1938	1680158
AG	447m SW	Old Ironstone Pits	1903	1665968
AI	449m SW	Old Ironstone Pits	1951	1704942
AH	450m SW	Unspecified Heap	1938	1744832
AH	450m SW	Unspecified Heap	1891	1616905
AH	450m SW	Old Ironstone Pits	1903	1622390
AB	450m SW	Old Ironstone Pits	1951	1642480
AB	450m SW	Unspecified Heap	1991	1615827
AB	450m SW	Unspecified Heap	1980	1615827
AB	450m SW	Unspecified Heap	1965	1615827
AI	452m SW	Old Ironstone Pits	1948	1636738
AI	454m SW	Unspecified Heaps	1891	1650218
AI	454m SW	Old Ironstone Pits	1938	1648225
AI	454m SW	Old Ironstone Pits	1903	1692474
T	455m E	Unspecified Shaft	1948	1695015
T	455m E	Unspecified Shaft	1948	1695015
AB	456m SW	Unspecified Heap	1891	1722184
AB	456m SW	Old Ironstone Pits	1938	1655179
AB	456m SW	Old Ironstone Pits	1903	1699982
T	457m E	Unspecified Shaft	1951	1728252
T	459m E	Cuttings	1948	1728658
T	459m E	Cuttings	1938	1728658
T	461m E	Unspecified Shaft	1938	1729025
AJ	462m SW	Unspecified Heap	1891	1569082
AJ	462m SW	Old Ironstone Pits	1938	1661747
AJ	462m SW	Old Ironstone Pits	1903	1697404
AK	462m SE	Cuttings	1948	1615356



ID	Location	Land Use	Date	Group ID
T	462m E	Refuse Heap	1938	1596926
T	463m E	Cuttings	1951	1628767
AK	463m SE	Cuttings	1938	1659137
AK	463m SE	Cuttings	1903	1629092
AK	464m SE	Cuttings	1991	1629650
AK	464m SE	Cuttings	1980	1629650
AK	464m SE	Cuttings	1965	1629650
AK	464m SE	Cuttings	1951	1694125
T	465m E	Unspecified Heap	1991	1746717
AH	497m SW	Old Ironstone Pits	1951	1693089
AH	498m SW	Unspecified Heap	1991	1646843
AH	498m SW	Unspecified Heap	1980	1646843
AH	498m SW	Unspecified Heap	1965	1646843

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m

3

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

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

ID	Location	Land Use	Date	Group ID
C	183m S	Unspecified Tank	1956	278365
C	183m SW	Unspecified Tank	1983	270420
C	183m S	Unspecified Tank	1972	278365

This data is sourced from Ordnance Survey / Groundsure.



2.3 Historical energy features

Records within 500m

0

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

This data is sourced from Ordnance Survey / Groundsure.

2.4 Historical petrol stations

Records within 500m

0

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

This data is sourced from Ordnance Survey / Groundsure.

2.5 Historical garages

Records within 500m

0

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

This data is sourced from Ordnance Survey / Groundsure.



3 Waste and landfill



3.1 Active or recent landfill

Records within 500m

0

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

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

3.2 Historical landfill (BGS records)

Records within 500m

0

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

This data is sourced from the British Geological Survey.

3.3 Historical landfill (LA/mapping records)

Records within 500m

0

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

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

3.4 Historical landfill (EA/NRW records)

Records within 500m

2

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

Features are displayed on the Waste and landfill map on **page 43**

ID	Location	Details		
1	263m SW	Site Address: Tankersley Park Golf Club, High Green, Sheffield Licence Holder Address: High Green, Sheffield	Waste Licence: Yes Site Reference: 20B255(75), WD20 B520, 20B520, 4400/B520, WD20 B255 Waste Type: Inert, Commercial Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 28/02/1979 Licence Surrender: 13/09/1979	Operator: Tankersley Park Golf Club Licence Holder: Tankersley Investments Limited First Recorded 28/02/1979 Last Recorded: 13/09/1979
2	264m SW	Site Address: High Green, Sheffield Licence Holder Address: High Green, Sheffield	Waste Licence: Yes Site Reference: WD20 B255, 4400/B255 Waste Type: Inert, Commercial Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 28/02/1979 Licence Surrender: 13/09/1979	Operator: - Licence Holder: Tankersley Park Golf Club First Recorded 28/02/1979 Last Recorded: 13/09/1979

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

3.5 Historical waste sites

Records within 500m

2

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 43**



ID	Location	Address	Further Details	Date
A	156m S	Site Address: N/A	Type of Site: Ground Workings and Refuse Heap Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1956
A	156m S	Site Address: N/A	Type of Site: Ground Workings and Refuse Heap Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1989

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

3.6 Licensed waste sites

Records within 500m	0
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Active or recently closed waste sites under Environment Agency/Natural Resources Wales regulation.

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

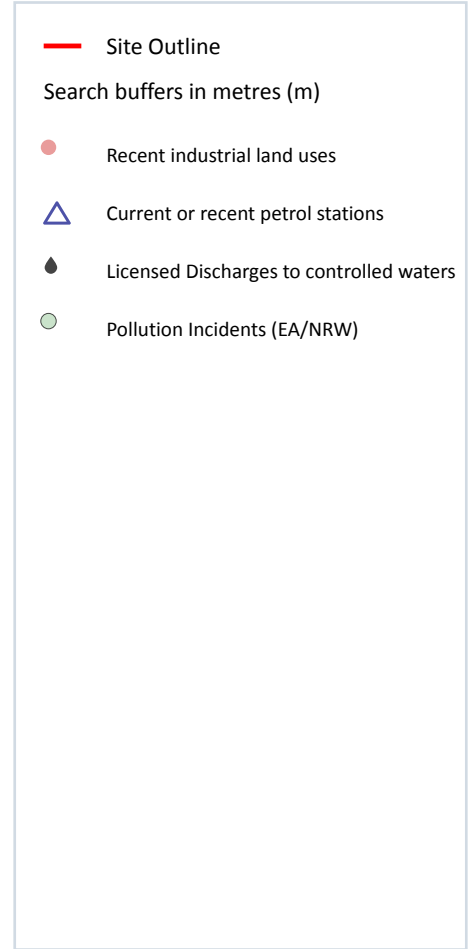
3.7 Waste exemptions

Records within 500m	0
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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.

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

4 Current industrial land use



4.1 Recent industrial land uses

Records within 250m

5

Current potentially contaminative industrial sites.

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

ID	Location	Company	Address	Activity	Category
1	76m SW	Shaft	South Yorkshire, S74	Unspecified Quarries Or Mines	Extractive Industries
2	107m SW	Shaft	South Yorkshire, S74	Unspecified Quarries Or Mines	Extractive Industries
4	175m SE	Shaft	South Yorkshire, S74	Unspecified Quarries Or Mines	Extractive Industries

ID	Location	Company	Address	Activity	Category
5	231m S	Pumping Station	South Yorkshire, S74	Water Pumping Stations	Industrial Features
6	244m N	Pylon	South Yorkshire, S74	Electrical Features	Infrastructure and Facilities

This data is sourced from Ordnance Survey.

4.2 Current or recent petrol stations

Records within 500m

1

Open, closed, under development and obsolete petrol stations.

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

ID	Location	Company	Address	LPG	Status
7	454m E	UNBRANDED	A6135, Hoyland Common, Barnsley, South Yorkshire, S74 0PB	No	Non-Retail

This data is sourced from Experian.

4.3 Electricity cables

Records within 500m

0

High voltage underground electricity transmission cables.

This data is sourced from National Grid.

4.4 Gas pipelines

Records within 500m

0

High pressure underground gas transmission pipelines.

This data is sourced from National Grid.

4.5 Sites determined as Contaminated Land

Records within 500m

0

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

This data is sourced from Local Authority records.



4.6 Control of Major Accident Hazards (COMAH)

Records within 500m

0

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

This data is sourced from the Health and Safety Executive.

4.7 Regulated explosive sites

Records within 500m

0

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

This data is sourced from the Health and Safety Executive.

4.8 Hazardous substance storage/usage

Records within 500m

0

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

This data is sourced from Local Authority records.

4.9 Historical licensed industrial activities (IPC)

Records within 500m

0

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

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

4.10 Licensed industrial activities (Part A(1))

Records within 500m

0

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

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



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

Records within 500m

0

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.

This data is sourced from Local Authority records.

4.12 Radioactive Substance Authorisations

Records within 500m

0

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

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

4.13 Licensed Discharges to controlled waters

Records within 500m

8

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

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

ID	Location	Address	Details	
3	148m S	OLD HALL FARM, BARN CONVERSIONS, BLACK LANE, TANKERSLEY, SOUTH YORKSHIRE, S74 0DX	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: WRA7601 Permit Version: 1 Receiving Water: OLD HALL FARM POND	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 22/06/2000 Effective Date: 22/06/2000 Revocation Date: 18/05/2003
A	265m SE	1 - 7 LIDGETT GRANGE, SHEFFIELD ROAD, HOYLAND, BARNLSLEY, SOUTH YORKSHIRE, S74 0FD	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: WRA8826 Permit Version: 1 Receiving Water: TRIB OF HARLEY DIKE	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 12/07/2005 Effective Date: 12/07/2005 Revocation Date: -
A	265m SE	1 - 7 LIDGETT GRANGE, SHEFFIELD ROAD, HOYLAND, BARNLSLEY, SOUTH YORKSHIRE, S74 0FD	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: WRA8826 Permit Version: 1 Receiving Water: TRIB OF HARLEY DIKE	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 12/07/2005 Effective Date: 12/07/2005 Revocation Date: -



ID	Location	Address	Details	
A	265m SE	1 - 7 LIDGETT GRANGE, SHEFFIELD ROAD, HOYLAND, BARNLEY, SOUTH YORKSHIRE, S74 0FD	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: WRA8826 Permit Version: 1 Receiving Water: TRIB OF HARLEY DIKE	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 12/07/2005 Effective Date: 12/07/2005 Revocation Date: -
A	265m SE	1 - 7 LIDGETT GRANGE, SHEFFIELD ROAD, HOYLAND, BARNLEY, SOUTH YORKSHIRE, S74 0FD	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: WRA8826 Permit Version: 1 Receiving Water: TRIB OF HARLEY DIKE	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 12/07/2005 Effective Date: 12/07/2005 Revocation Date: -
A	265m SE	1 - 7 LIDGETT GRANGE, SHEFFIELD ROAD, HOYLAND, BARNLEY, SOUTH YORKSHIRE, S74 0FD	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: WRA8826 Permit Version: 1 Receiving Water: TRIB OF HARLEY DIKE	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 12/07/2005 Effective Date: 12/07/2005 Revocation Date: -
A	265m SE	1 - 7 LIDGETT GRANGE, SHEFFIELD ROAD, HOYLAND, BARNLEY, SOUTH YORKSHIRE, S74 0FD	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: WRA8826 Permit Version: 1 Receiving Water: TRIB OF HARLEY DIKE	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 12/07/2005 Effective Date: 12/07/2005 Revocation Date: -
A	265m SE	1 - 7 LIDGETT GRANGE, SHEFFIELD ROAD, HOYLAND, BARNLEY, SOUTH YORKSHIRE, S74 0FD	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: WRA8826 Permit Version: 1 Receiving Water: TRIB OF HARLEY DIKE	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 12/07/2005 Effective Date: 12/07/2005 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

0

Discharges of Special Category Effluents to the public sewer.

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

4.16 List 1 Dangerous Substances

Records within 500m

0

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

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

4.17 List 2 Dangerous Substances

Records within 500m

0

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

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

4.18 Pollution Incidents (EA/NRW)

Records within 500m

5

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

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

ID	Location	Details	
B	321m E	Incident Date: 23/09/2003 Incident Identification: 191985 Pollutant: Inert Materials and Wastes Pollutant Description: Construction and Demolition Materials and Wastes	Water Impact: Category 4 (No Impact) Land Impact: Category 2 (Significant) Air Impact: Category 3 (Minor)
B	321m E	Incident Date: 23/09/2003 Incident Identification: 191985 Pollutant: Specific Waste Materials Pollutant Description: Asbestos	Water Impact: Category 4 (No Impact) Land Impact: Category 2 (Significant) Air Impact: Category 3 (Minor)

ID	Location	Details	
B	321m E	Incident Date: 23/09/2003 Incident Identification: 191985 Pollutant: Inert Materials and Wastes:Specific Waste Materials Pollutant Description: Construction and Demolition Materials and Wastes:Asbestos	Water Impact: Category 4 (No Impact) Land Impact: Category 2 (Significant) Air Impact: Category 3 (Minor)
B	321m E	Incident Date: 23/09/2003 Incident Identification: 191985 Pollutant: Specific Waste Materials Pollutant Description: Construction and Demolition Materials and Wastes Asbestos	Water Impact: Category 4 (No Impact) Land Impact: Category 2 (Significant) Air Impact: Category 3 (Minor)
B	321m E	Incident Date: 23/09/2003 Incident Identification: 191985 Pollutant: Inert Materials and Wastes : Specific Waste Materials Pollutant Description: Construction and Demolition Materials and Wastes :Asbestos	Water Impact: Category 4 (No Impact) Land Impact: Category 2 (Significant) Air Impact: Category 3 (Minor)

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

4.19 Pollution inventory substances

Records within 500m

0

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

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

4.20 Pollution inventory waste transfers

Records within 500m

0

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

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



4.21 Pollution inventory radioactive waste

Records within 500m

0

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

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



5 Hydrogeology - Superficial aquifer

5.1 Superficial aquifer

Records within 500m

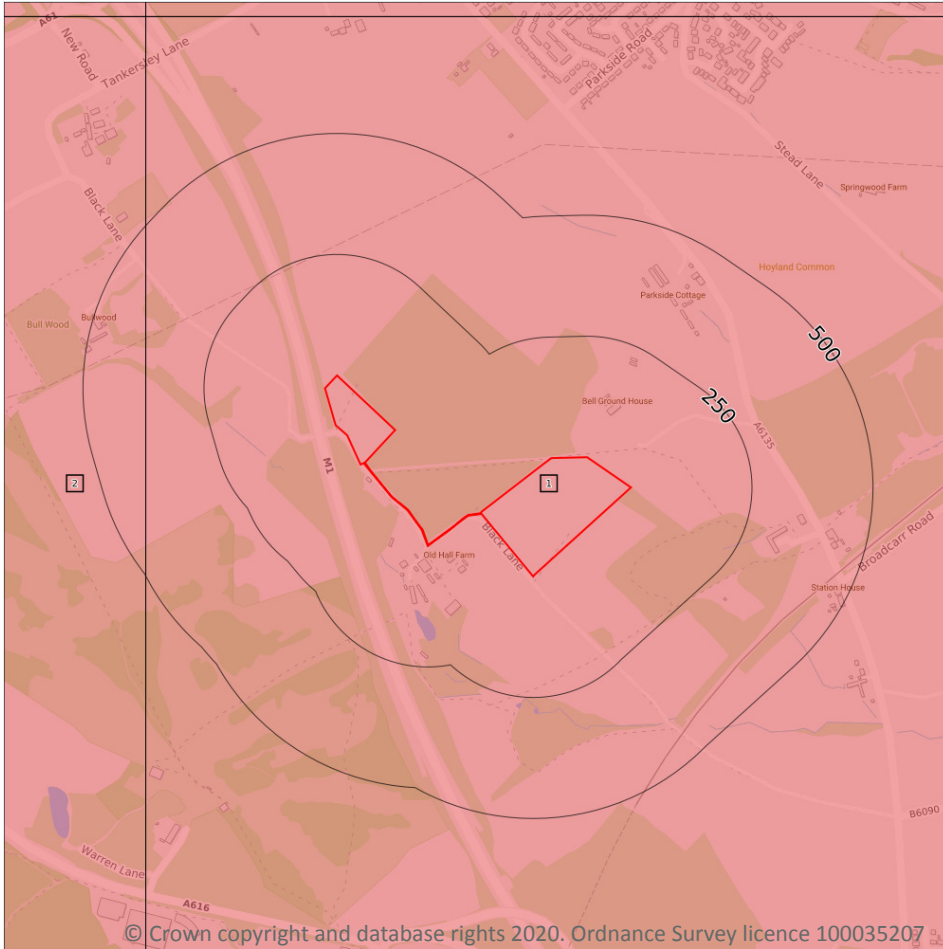
0

Aquifer status of groundwater held within superficial geology.

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



Bedrock aquifer



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

5.2 Bedrock aquifer

Records within 500m

2

Aquifer status of groundwater held within bedrock geology.

Features are displayed on the Bedrock aquifer map on [page 55](#)

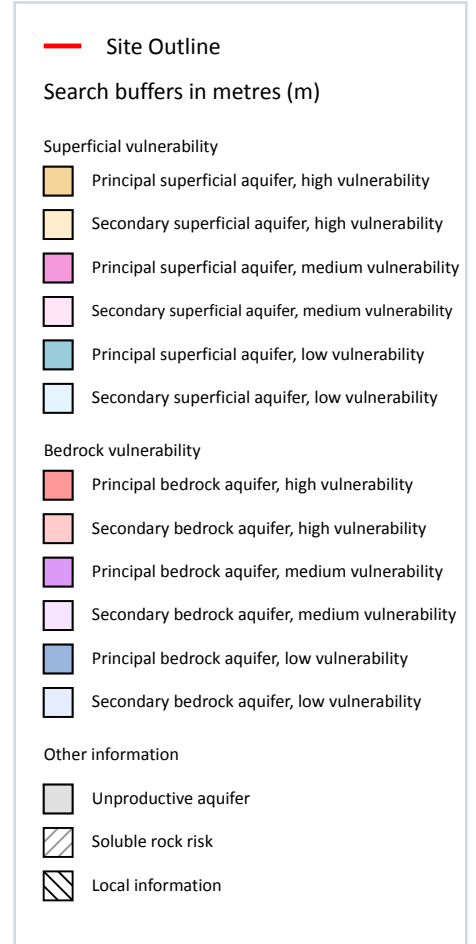
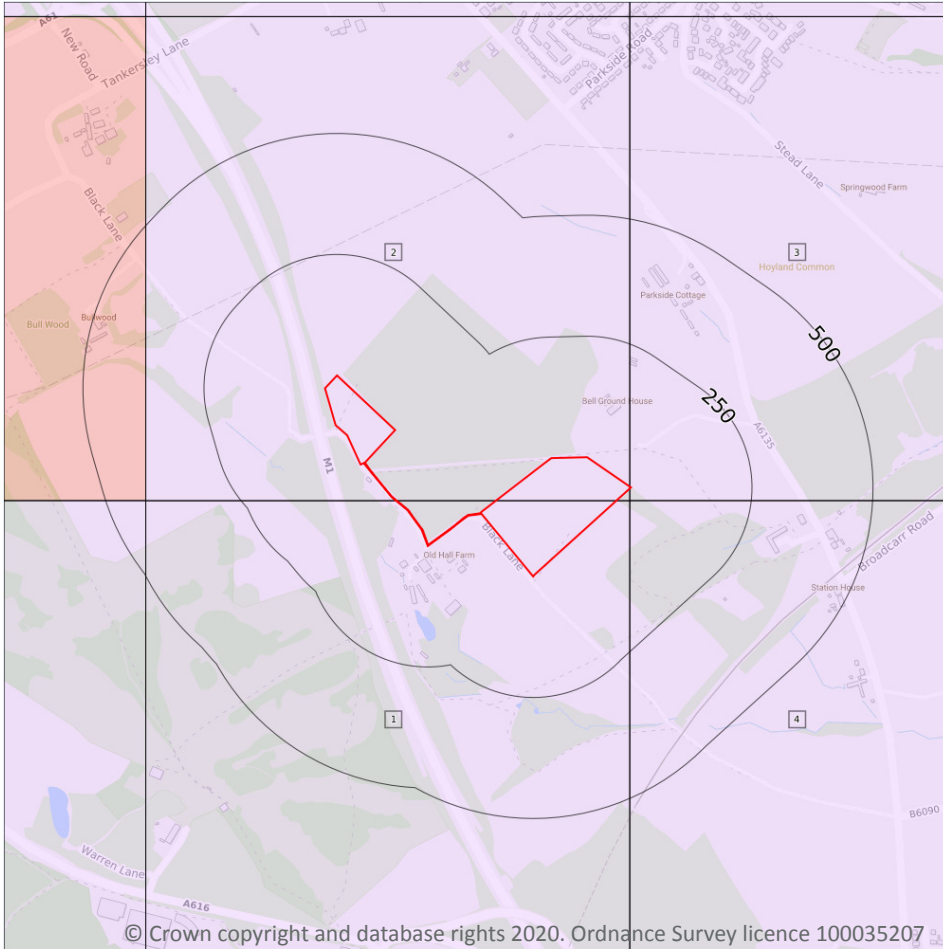
ID	Location	Designation	Description
1	On site	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
2	370m W	Secondary 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

4

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 57**



ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	On site	Summary Classification: Secondary bedrock aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: <40% Dilution value: 300- 550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Medium Aquifer type: Secondary Flow mechanism: Well connected fractures
2	On site	Summary Classification: Secondary bedrock aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: <40% Dilution value: 300- 550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Medium Aquifer type: Secondary Flow mechanism: Well connected fractures
3	On site	Summary Classification: Secondary bedrock aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: <40% Dilution value: 300- 550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Medium Aquifer type: Secondary Flow mechanism: Well connected fractures
4	18m SE	Summary Classification: Secondary bedrock aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: <40% Dilution value: 300- 550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Medium Aquifer type: Secondary Flow mechanism: Well connected fractures

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

5.4 Groundwater vulnerability- soluble rock risk

Records on site

0

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

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

5.5 Groundwater vulnerability- local information

Records on site

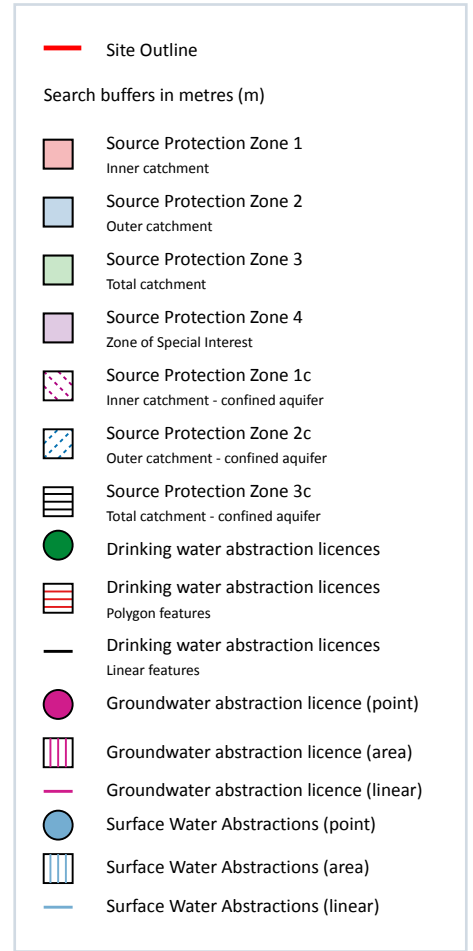
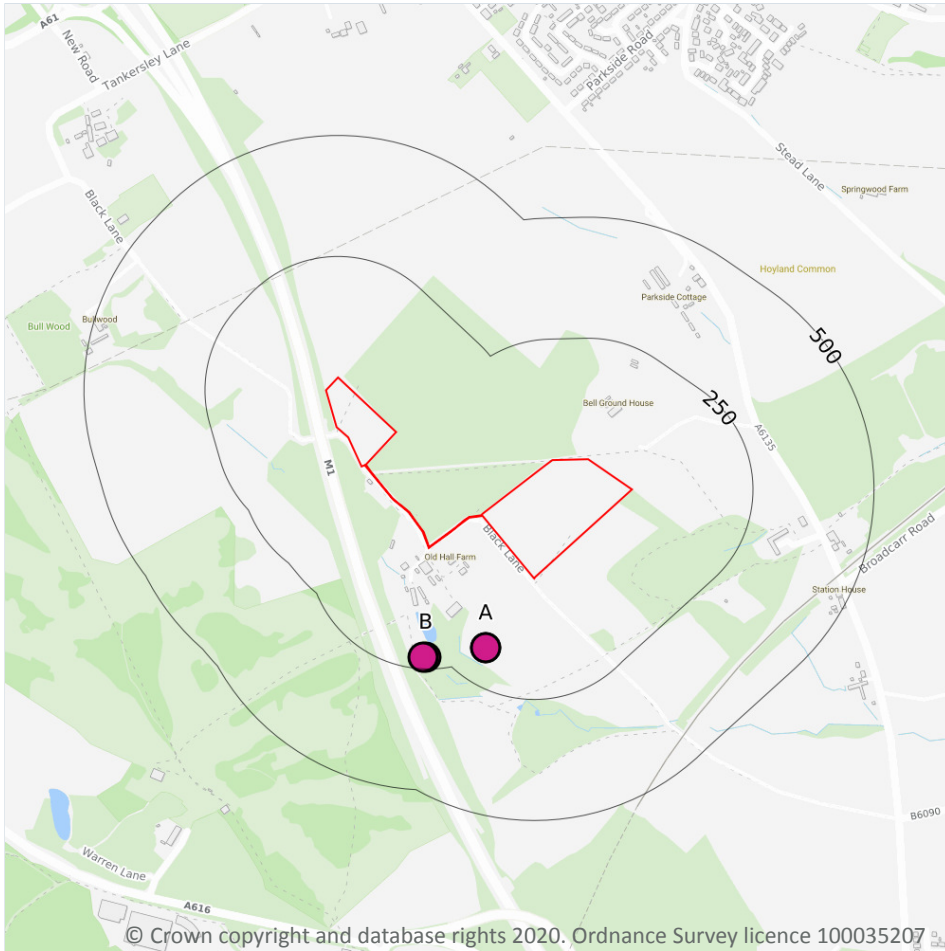
0

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

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



Abstractions and Source Protection Zones



5.6 Groundwater abstractions

Records within 2000m

6

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 59**

ID	Location	Details	
A	175m SW	Status: Historical Licence No: 2/27/06/043 Details: Spray Irrigation - Direct Direct Source: GROUNDWATERS Point: BOREHOLE - SHAFT - COAL MEASURES - HIGH GREEN SHEFFIELD Data Type: Point Name: TANKERSLEY PARK GOLF CLUB Easting: 435700 Northing: 398700	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 17/03/1966 Expiry Date: - Issue No: 101 Version Start Date: 24/10/2000 Version End Date: -
A	175m SW	Status: Historical Licence No: 2/27/06/043 Details: Spray Irrigation - Direct Direct Source: GROUNDWATERS Point: BOREHOLE-SHAFT-COAL MEASURES-HIGH GREEN-SHEFFIELD Data Type: Point Name: TANKERSLEY PARK GOLF CLUB Easting: 435700 Northing: 398700	Annual Volume (m ³): 8200 Max Daily Volume (m ³): 226 Original Application No: - Original Start Date: 17/03/1966 Expiry Date: - Issue No: 102 Version Start Date: 09/02/2004 Version End Date: -
B	225m S	Status: Active Licence No: 2/27/06/043 Details: Spray Irrigation - Direct Direct Source: GROUNDWATERS Point: BOREHOLE-SHAFT COAL MEASURES-HIGH GREEN Data Type: Point Name: TANKERSLEY PARK GOLF CLUB Easting: 435576 Northing: 398681	Annual Volume (m ³): 8,200 Max Daily Volume (m ³): 216.91 Original Application No: - Original Start Date: 17/03/1966 Expiry Date: - Issue No: 103 Version Start Date: 01/04/2017 Version End Date: -
B	226m S	Status: Historical Licence No: 2/27/06/043 Details: Spray Irrigation - Direct Direct Source: GROUNDWATERS Point: BOREHOLE-SHAFT COAL MEASURES-HIGH GREEN Data Type: Point Name: TANKERSLEY PARK GOLF CLUB Easting: 435570 Northing: 398680	Annual Volume (m ³): 8200 Max Daily Volume (m ³): 226 Original Application No: - Original Start Date: 17/03/1966 Expiry Date: - Issue No: 102 Version Start Date: 09/02/2004 Version End Date: -



ID	Location	Details	
-	1632m S	Status: Historical Licence No: 2/27/06/087 Details: Process Water Direct Source: GROUNDWATERS Point: BOREHOLE-COAL MEASURES-CHAPELTOWN-SHEFFIELD Data Type: Point Name: Sherwin-Williams Diversified Brands Ltd Easting: 435300 Northing: 397290	Annual Volume (m ³): 130000 Max Daily Volume (m ³): 540 Original Application No: - Original Start Date: 03/01/2006 Expiry Date: 31/03/2017 Issue No: 2 Version Start Date: 09/01/2015 Version End Date: -
-	1632m S	Status: Active Licence No: 2/27/06/087/R01 Details: Process Water Direct Source: GROUNDWATERS Point: BOREHOLE-COAL MEASURES-CHAPELTOWN-SHEFFIELD Data Type: Point Name: Sherwin-Williams Diversified Brands Ltd Easting: 435300 Northing: 397290	Annual Volume (m ³): 117,000 Max Daily Volume (m ³): 540 Original Application No: - Original Start Date: 01/04/2017 Expiry Date: 31/03/2029 Issue No: 1 Version Start Date: 01/04/2019 Version End Date: -

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

5.7 Surface water abstractions

Records within 2000m

3

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 59**

ID	Location	Details	
-	1406m SW	Status: Historical Licence No: 2/27/06/042 Details: General Use Relating To Secondary Category (Low Loss) Direct Source: SURFACE WATER Point: DEVIL'S BRIDGE POND - THORNCLIFFE Data Type: Point Name: SPIRE SHEFFIELD LTD Easting: 434600 Northing: 397900	Annual Volume (m ³): 18184 Max Daily Volume (m ³): 545.53 Original Application No: - Original Start Date: 17/03/1966 Expiry Date: - Issue No: 101 Version Start Date: 30/09/1999 Version End Date: -



ID	Location	Details	
-	1984m S	Status: Historical Licence No: 2/27/06/044 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: SURFACE WATER Point: THORNCLIFFE ROW DAM Data Type: Point Name: SOUTH RIDING ESTATES LTD Easting: 435400 Northing: 396900	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 17/03/1966 Expiry Date: - Issue No: 100 Version Start Date: 13/07/1987 Version End Date: -
-	1984m S	Status: Historical Licence No: 2/27/06/044 Details: General use relating to Secondary Category (Medium Loss) Direct Source: SURFACE WATER Point: THORNCLIFFE ROW DAM Data Type: Point Name: SOUTH RIDING ESTATES LTD Easting: 435400 Northing: 396900	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 17/03/1966 Expiry Date: - Issue No: 100 Version Start Date: 13/07/1987 Version End Date: -

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

5.8 Potable abstractions

Records within 2000m

0

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

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

5.9 Source Protection Zones

Records within 500m

0

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

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



5.10 Source Protection Zones (confined aquifer)

Records within 500m

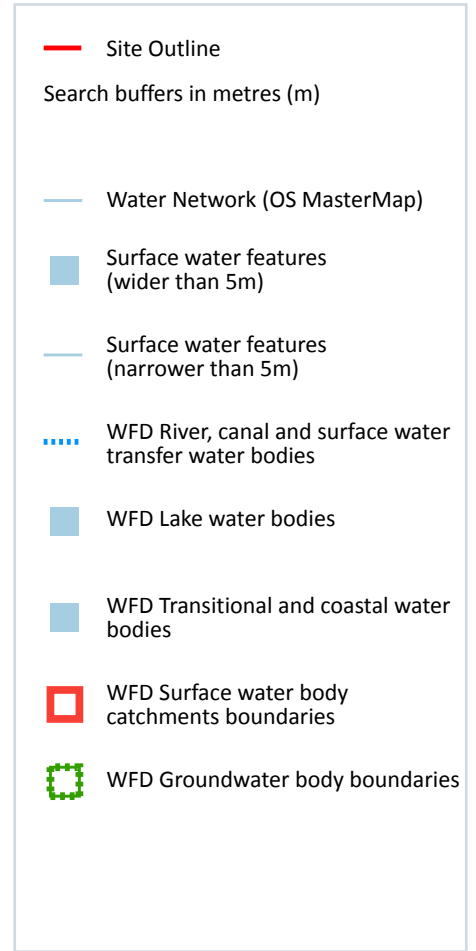
0

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

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



6 Hydrology



6.1 Water Network (OS MasterMap)

Records within 250m

19

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 64**

ID	Location	Type of water feature	Ground level	Permanence	Name
A	80m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
A	90m SW	Inland river not influenced by normal tidal action.	Not provided	Watercourse contains water year round (in normal circumstances)	-
3	97m W	Inland river not influenced by normal tidal action.	Not provided	Watercourse contains water year round (in normal circumstances)	-
B	129m SW	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	130m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	134m S	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
B	135m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	142m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
B	142m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	191m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
D	193m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	195m S	Inland river not influenced by normal tidal action.	Not provided	Watercourse contains water year round (in normal circumstances)	-
E	209m SW	Marsh. An area that is predominantly waterlogged by freshwater.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
F	228m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-



ID	Location	Type of water feature	Ground level	Permanence	Name
E	237m S	Marsh. An area that is predominantly waterlogged by freshwater.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
E	237m S	Marsh. An area that is predominantly waterlogged by freshwater.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
E	240m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
E	242m S	Marsh. An area that is predominantly waterlogged by freshwater.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
E	248m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

This data is sourced from the Ordnance Survey.

6.2 Surface water features

Records within 250m

7

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 64**

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 64**

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
2	On site	River WB catchment	Knoll Beck from Source to River Dearne	GB104027057470	Dearne	Don and Rother

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

6.4 WFD Surface water bodies

Records identified	1
---------------------------	----------

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

Features are displayed on the Hydrology map on **page 64**

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
-	2389m E	River	Knoll Beck from Source to River Dearne	GB104027057470	Moderate	Good	Moderate	2016

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

6.5 WFD Groundwater bodies

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

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

Features are displayed on the Hydrology map on **page 64**

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
1	On site	Don & Rother Millstone grit & Coal Measures	GB40402G992300	Poor	Poor	Good	2015

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



7 River and coastal flooding

7.1 Risk of Flooding from Rivers and Sea (RoFRaS)

Records within 50m

0

The chance of flooding from rivers and/or the sea in any given year, based on cells of 50m. Each cell is allocated one of four flood risk categories, taking into account flood defences and their condition; 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).

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

7.2 Historical Flood Events

Records within 250m

0

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

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

7.3 Flood Defences

Records within 250m

0

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

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

7.4 Areas Benefiting from Flood Defences

Records within 250m

0

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

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



7.5 Flood Storage Areas

Records within 250m

0

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

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



River and coastal flooding - Flood Zones

7.6 Flood Zone 2

Records within 50m

0

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

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

7.7 Flood Zone 3

Records within 50m

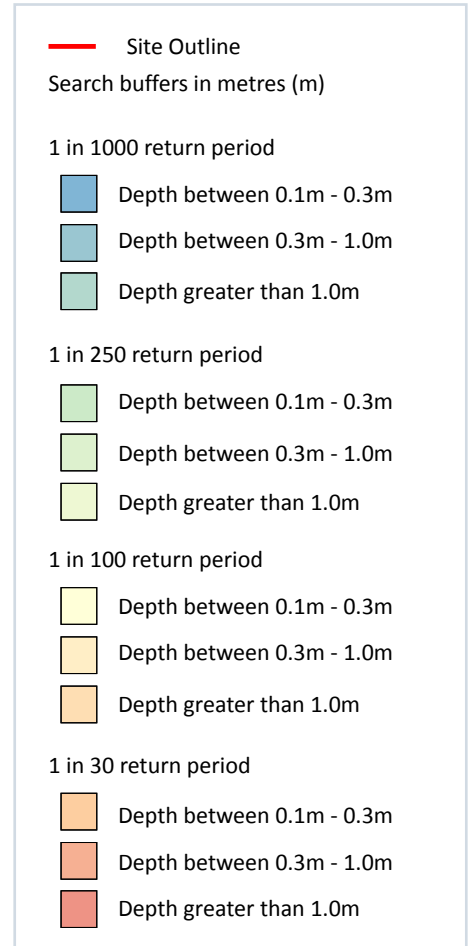
0

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

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



8 Surface water flooding



8.1 Surface water flooding

Highest risk on site

1 in 100 year, 0.1m - 0.3m

Highest risk within 50m

1 in 30 year, 0.1m - 0.3m

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 71**

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

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

Return period	Maximum modelled depth
1 in 1000 year	Between 0.1m and 0.3m
1 in 250 year	Between 0.1m and 0.3m
1 in 100 year	Between 0.1m and 0.3m
1 in 30 year	Negligible

This data is sourced from Ambiental Risk Analytics.



9 Groundwater flooding



9.1 Groundwater flooding

Highest risk on site

Negligible

Highest risk within 50m

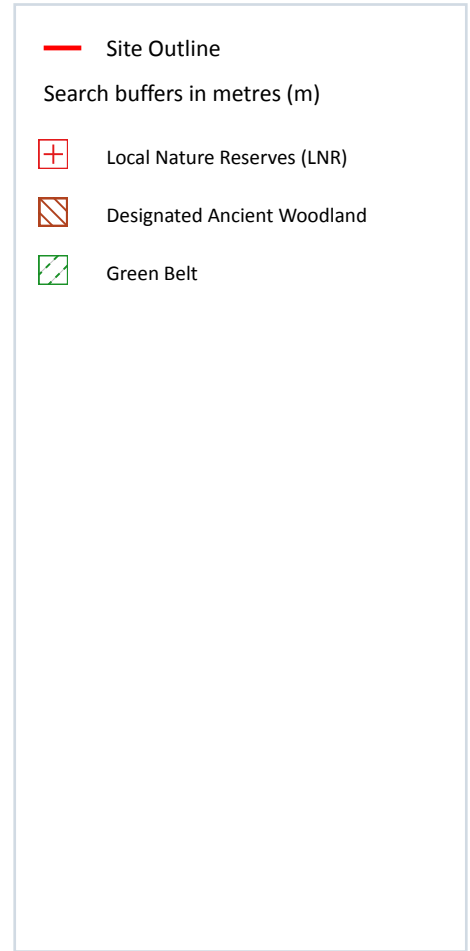
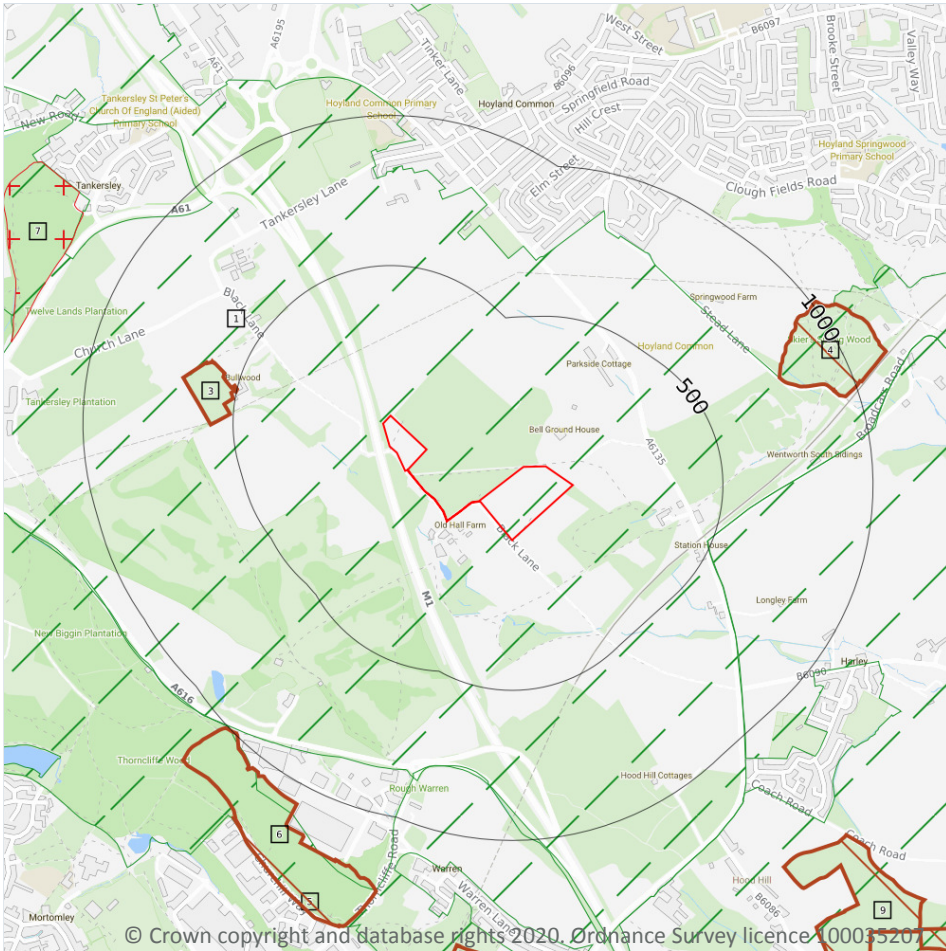
Negligible

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

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

This data is sourced from Ambiantal Risk Analytics.

10 Environmental designations



10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m

0

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

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

10.2 Conserved wetland sites (Ramsar sites)

Records within 2000m

0

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

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

10.3 Special Areas of Conservation (SAC)

Records within 2000m

0

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

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

10.4 Special Protection Areas (SPA)

Records within 2000m

0

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

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

10.5 National Nature Reserves (NNR)

Records within 2000m

0

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

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



10.6 Local Nature Reserves (LNR)

Records within 2000m

2

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

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

ID	Location	Name	Data source
7	1201m NW	Potter Holes Plantation	Natural England
-	1911m E	Elsecar Reservoir	Natural England

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

10.7 Designated Ancient Woodland

Records within 2000m

11

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

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

ID	Location	Name	Woodland Type
3	499m W	BULL WOOD	Ancient & Semi-Natural Woodland
4	776m NE	SKIERS SPRING WOOD	Ancient & Semi-Natural Woodland
6	995m SW	THORNCLIFFE WOOD	Ancient & Semi-Natural Woodland
8	1361m S	PARKIN WOOD	Ancient & Semi-Natural Woodland
9	1413m SE	BARLEY HOLE SPRINGS E.	Ancient Replanted Woodland
-	1578m S	PARKIN WOOD	Ancient & Semi-Natural Woodland
-	1671m W	WEST WOOD	Ancient & Semi-Natural Woodland
-	1709m W	WEST WOOD	Ancient & Semi-Natural Woodland
-	1778m W	WEST WOOD	Ancient & Semi-Natural Woodland
-	1849m W	WEST WOOD	Ancient & Semi-Natural Woodland
-	1866m S	Unknown	Ancient & Semi-Natural 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

4

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

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

ID	Location	Name	Local Authority name
1	On site	Liverpool, Manchester and West Yorks Greenbelt	Barnsley District (B)
2	486m SE	Liverpool, Manchester and West Yorks Greenbelt	Rotherham
5	782m S	Liverpool, Manchester and West Yorks Greenbelt	Sheffield District (B)
-	1541m S	Liverpool, Manchester and West Yorks Greenbelt	Sheffield District (B)

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



10.12 Proposed Ramsar sites

Records within 2000m

0

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

This data is sourced from Natural England.

10.13 Possible Special Areas of Conservation (pSAC)

Records within 2000m

0

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

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

10.14 Potential Special Protection Areas (pSPA)

Records within 2000m

0

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

This data is sourced from Natural England.

10.15 Nitrate Sensitive Areas

Records within 2000m

0

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

This data is sourced from Natural England.



10.16 Nitrate Vulnerable Zones

Records within 2000m

4

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

Location	Name	Type	NVZ ID	Status
On site	River Dearne NVZ	Surface Water	S278	Existing
685m S	Blackburn Brook from Source to River Don NVZ	Surface Water	S261	Existing
1278m NW	River Dearne NVZ	Surface Water	S278	Existing
1281m SW	Blackburn Brook from Source to River Don NVZ	Surface Water	S261	Existing

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



SSSI Impact Zones and Units

10.17 SSSI Impact Risk Zones

Records on site

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

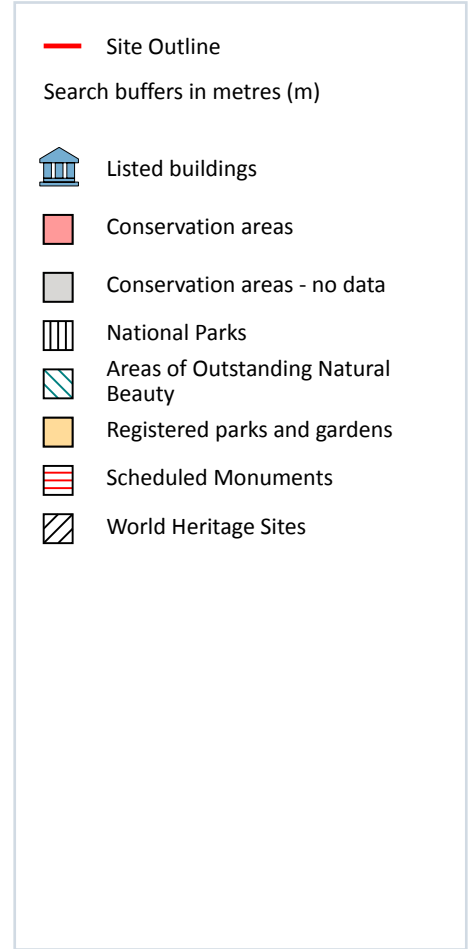
0

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



11.1 World Heritage Sites

Records within 250m

0

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

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

11.2 Area of Outstanding Natural Beauty

Records within 250m

0

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

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

11.3 National Parks

Records within 250m

0

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

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

11.4 Listed Buildings

Records within 250m

2

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

Features are displayed on the Visual and cultural designations map on **page 81**

ID	Location	Name	Grade	Reference Number	Listed date
1	49m SE	Old Hall Farmhouse And The Cottage, Tankersley, Barnsley, S74	II	1191931	04/12/1986
2	53m SE	Tankersley Old Hall, Tankersley, Barnsley, S74	II	1151073	04/12/1986

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

11.7 Registered Parks and Gardens

Records within 250m

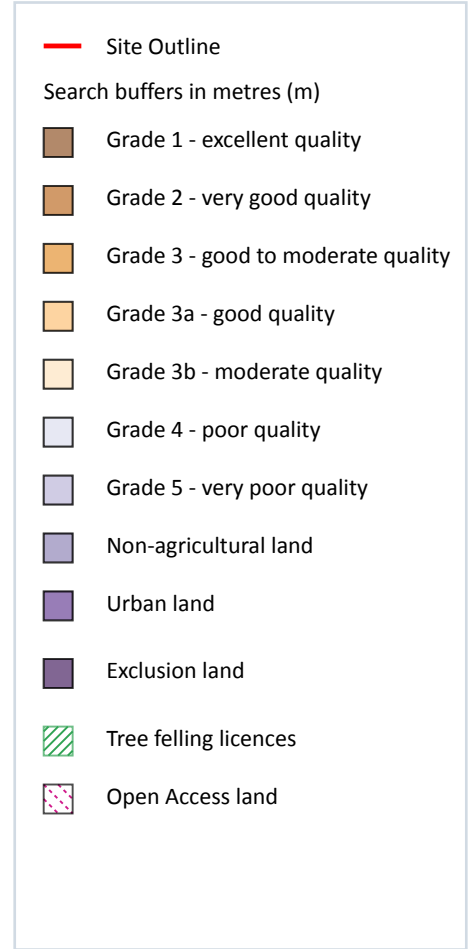
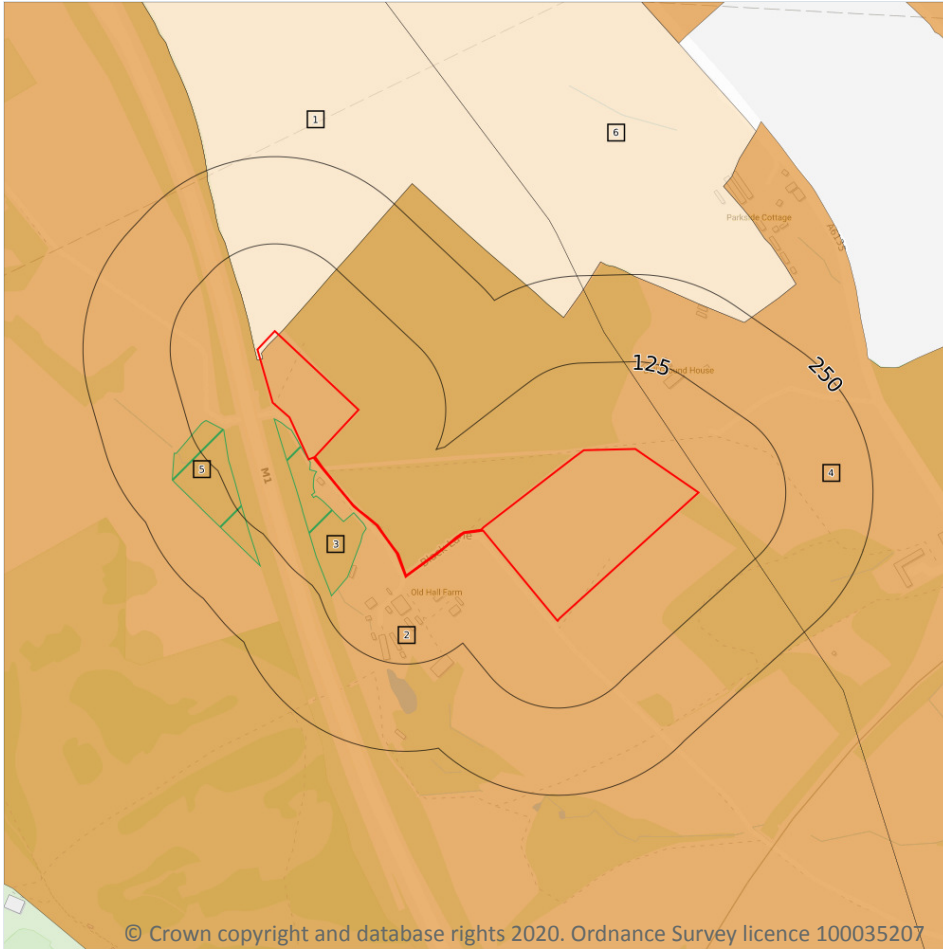
0

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 English Heritage, Cadw and Historic Environment Scotland.



12 Agricultural designations



12.1 Agricultural Land Classification

Records within 250m

4

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 84**

ID	Location	Classification	Description
1	On site	Grade 3b	Moderate quality agricultural land. Land capable of producing moderate yields of a narrow range of crops, principally cereals and grass or lower yields of a wider range of crops or high yields of grass which can be grazed or harvested over most of the year.

ID	Location	Classification	Description
2	On site	Grade 3	Good to moderate quality agricultural land. Land with moderate limitations which affect the choice of crops, timing and type of cultivation, harvesting or the level of yield. Where more demanding crops are grown yields are generally lower or more variable than on land in Grades 1 and 2.
4	15m NE	Grade 3	Good to moderate quality agricultural land. Land with moderate limitations which affect the choice of crops, timing and type of cultivation, harvesting or the level of yield. Where more demanding crops are grown yields are generally lower or more variable than on land in Grades 1 and 2.
6	227m NE	Grade 3b	Moderate quality agricultural land. Land capable of producing moderate yields of a narrow range of crops, principally cereals and grass or lower yields of a wider range of crops or high yields of grass which can be grazed or harvested over most of the year.

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

2

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

Features are displayed on the Agricultural designations map on **page 84**

ID	Location	Description	Reference	Application date
3	0m SW	Selective Fell/Thin (Unconditional)	012/165/07-08	30/07/2008
5	80m SW	Selective Fell/Thin (Unconditional)	012/165/07-08	30/07/2008

This data is sourced from the Forestry Commission.



12.4 Environmental Stewardship Schemes

Records within 250m

9

Environmental Stewardship covers a range of schemes that provide financial incentives to farmers, foresters and land managers to look after and improve the environment.

Location	Reference	Scheme	Start Date	End date
On site	AG00329213	Entry Level plus Higher Level Stewardship	01/07/2011	30/06/2021
On site	AG00329213	Entry Level plus Higher Level Stewardship	01/07/2011	30/06/2021
5m S	AG00329213	Entry Level plus Higher Level Stewardship	01/07/2011	30/06/2021
9m SW	AG00329213	Entry Level plus Higher Level Stewardship	01/07/2011	30/06/2021
10m NE	AG00329213	Entry Level plus Higher Level Stewardship	01/07/2011	30/06/2021
65m NW	AG00329213	Entry Level plus Higher Level Stewardship	01/07/2011	30/06/2021
80m W	AG00329213	Entry Level plus Higher Level Stewardship	01/07/2011	30/06/2021
134m S	AG00329213	Entry Level plus Higher Level Stewardship	01/07/2011	30/06/2021
222m SE	AG00329213	Entry Level plus Higher Level Stewardship	01/07/2011	30/06/2021

This data is sourced from Natural England.

12.5 Countryside Stewardship Schemes

Records within 250m

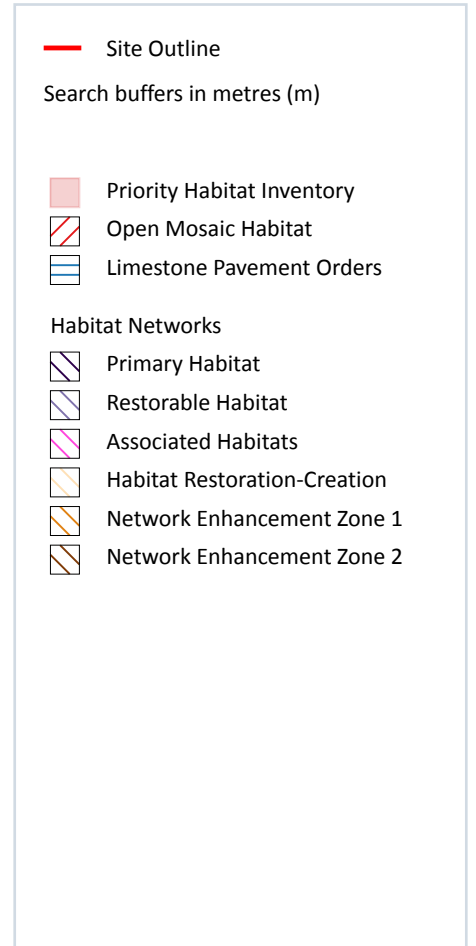
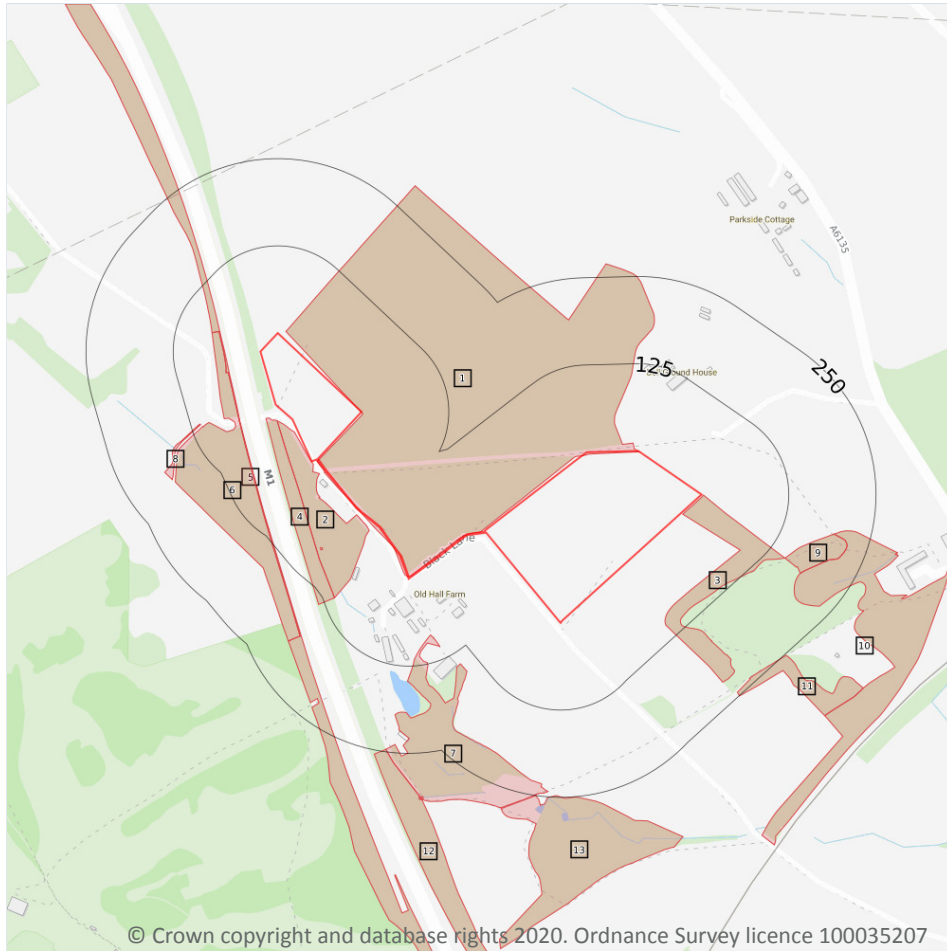
0

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



13.1 Priority Habitat Inventory

Records within 250m

13

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 87**

ID	Location	Main Habitat	Other habitats
1	On site	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
2	0m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
3	3m SE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
4	16m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)

ID	Location	Main Habitat	Other habitats
5	50m W	No main habitat but additional habitats present	Additional: DWOOD (INV 50%)
6	52m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
7	86m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
8	111m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
9	150m SE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
10	181m SE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
11	241m SE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
12	246m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
13	248m S	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

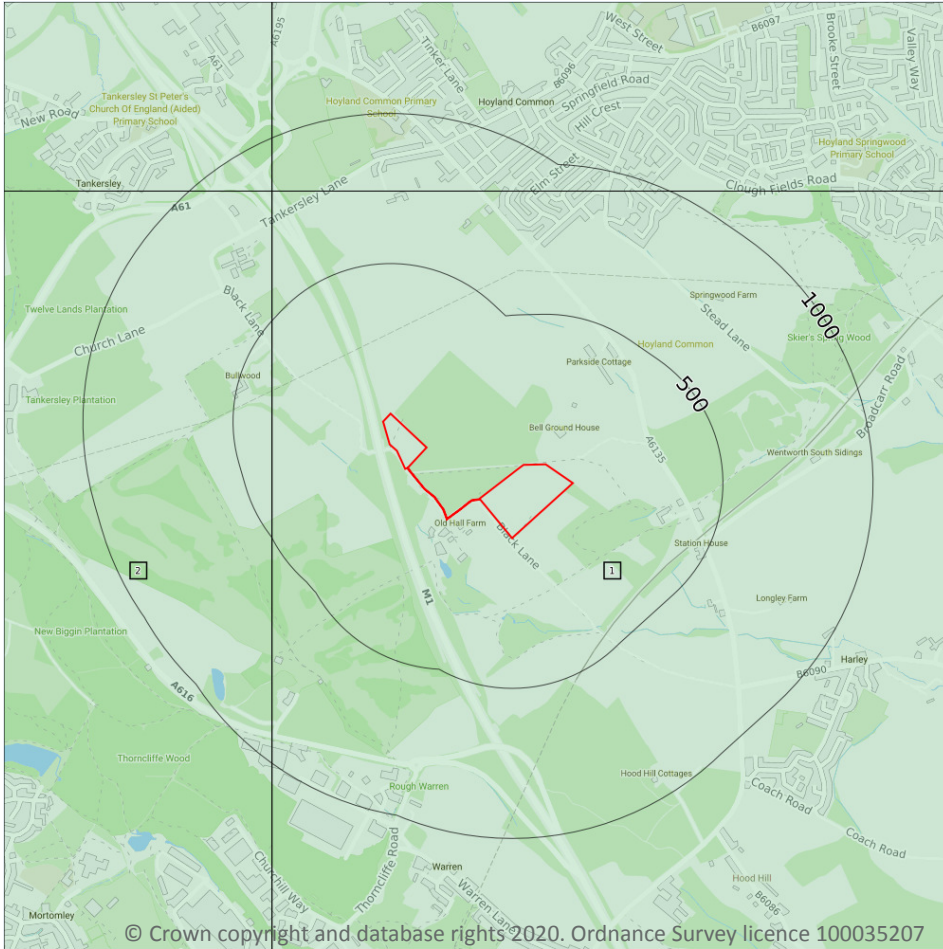


them additional protection via the creation of Limestone Pavement Orders, which made it a criminal offence to remove any part of the outcrop. The associated Limestone Pavement Priority Habitat is part of the UK Biodiversity Action Plan priority habitat in England.

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.

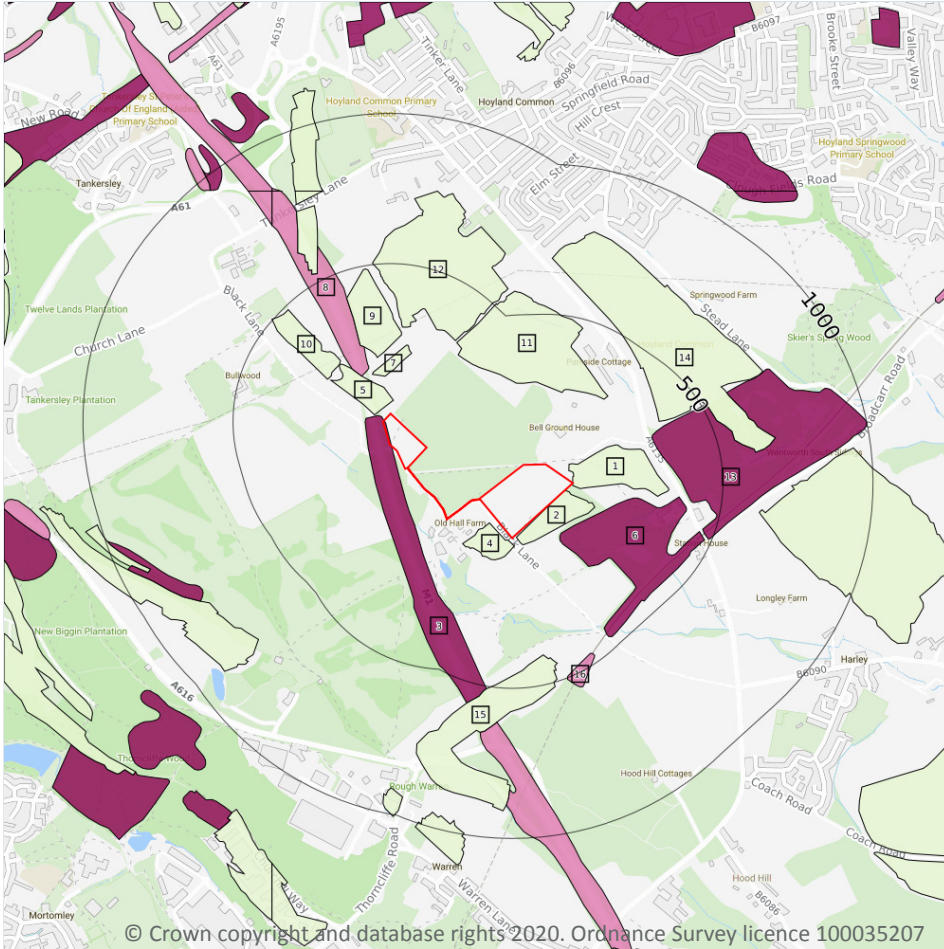
Features are displayed on the Geology 1:10,000 scale - Availability map on **page 90**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	Full	SK39NE
2	370m W	Full	Full	Full	No coverage	SK39NW

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Artificial and made 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 91**

ID	Location	LEX Code	Description	Rock description
1	On site	WMGR-ARTDP	Infilled Ground	Artificial Deposit
2	On site	WMGR-ARTDP	Infilled Ground	Artificial Deposit
3	On site	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
4	14m SW	WMGR-ARTDP	Infilled Ground	Artificial Deposit

ID	Location	LEX Code	Description	Rock description
5	30m NW	WMGR-ARTDP	Infilled Ground	Artificial Deposit
6	98m SE	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
7	126m N	WMGR-ARTDP	Infilled Ground	Artificial Deposit
8	158m NW	WGR-VOID	Worked Ground (Undivided)	Void
9	192m N	WMGR-ARTDP	Infilled Ground	Artificial Deposit
10	230m NW	WMGR-ARTDP	Infilled Ground	Artificial Deposit
11	246m N	WMGR-ARTDP	Infilled Ground	Artificial Deposit
12	291m N	WMGR-ARTDP	Infilled Ground	Artificial Deposit
13	302m NE	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
14	353m NE	WMGR-ARTDP	Infilled Ground	Artificial Deposit
15	402m S	WMGR-ARTDP	Infilled Ground	Artificial Deposit
16	463m SE	WGR-VOID	Worked Ground (Undivided)	Void

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Superficial

14.3 Superficial geology (10k)

Records within 500m

0

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

This data is sourced from the British Geological Survey.

14.4 Landslip (10k)

Records within 500m

0

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

This data is sourced from the British Geological Survey.