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Booth Ventures Waste (Midlands) Limited

Report No. 16-5430-BLP-ENV-R-00013

27 September 2022

Sandown Quarry Access Road

Environmental Site Setting and Design (ESSD) Report



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Disclaimer: Please note that this report is based on specific information, instructions and information from our Client and should not be relied upon by third parties.

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1 Introduction

1.1 Report Context

Booth Ventures Waste (Midlands) Limited (the proposed site Operator) intend to infill and restore the quarry void at Sandown Quarry by landfilling. To do this they must construct an access road (the Access Road) from a new site entrance on the southern boundary. They cannot use the existing site access point as the land which connects it to the public road is outside their lease boundary. The Operator has demonstrated they would use non-waste to construct the Access Road in a Waste Recovery Plan (WRP) which has been approved by the Environment Agency (Agency). The Operator is applying for a bespoke recovery permit to carry out the activity. This ESSD supports the application by outlining the engineering to be employed and the proposed measures to ensure its construction does not have a detrimental impact on the surrounding environment.

The volume of waste proposed and hydrogeological setting of the proposed activity would qualify it as a standard rules permit; however, a number of Sites of Special Scientific Interest (SSSI) have been identified within the 500 m screening distance of the activity and a bespoke application is required to address the potential risks to them.

The information provides a basis for relevant risk assessment and established baseline conditions. This ESSD report develops the Conceptual Site Model (CSM) for the Access Road, and hence characterises the source term, potential pathways and receptors for the subsequent environmental risk assessments and follows the appropriate Agency template¹.

1.2 Proposed Development - Overview

The road will be constructed within the void of Sandown Quarry. This site is currently an active quarry for the extraction of marl / mudstone to produce bricks. Upon completion of quarrying activities, the operator proposes restoration of the void by landfilling with non-hazardous waste aggregates, soil and stones. The infilling of the quarry will be regulated under a landfill permit which is being applied for separately. To avoid duplication certain Environmental Setting and Installation Design (ESID) drawings submitted with that application have been referenced in this application. Extraction of the mineral reserve is expected to be completed by / during summer 2023. On completion of quarrying, Booth Ventures Limited will operate the site under a lease agreement with the landowner Wienerberger UK (Quarry Operator).

The construction of the road proposes to use inert waste materials arising from excavation and construction activities. Site activities will accord with Recovery Activities designated as R5 and R10 in Annex II of the Waste Framework Directive (Directive 2008/98/EC).

The road design has utilised the existing topography to minimise the amount of material required to construct a safe and stable road design. The entirety of the road will sit within the quarry

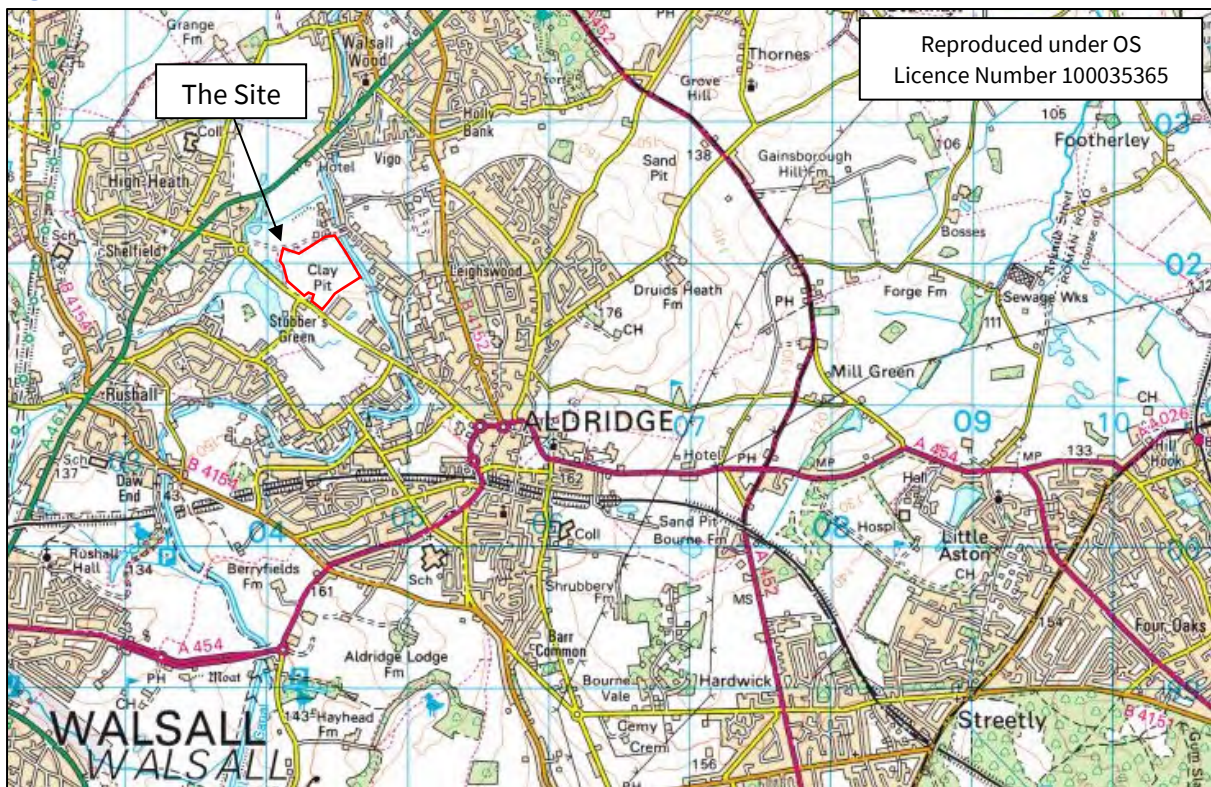
¹ <https://www.gov.uk/government/publications/esid-report-template>

boundary and below surrounding ground levels which will minimise the physical and amenity impacts of its construction and use.

1.3 Site Location and Surrounding Land Use

Sandown Quarry is located approximately 4km to the northeast of Walsall, 1.7km northwest of the town of Aldridge at National Grid Reference (NGR) SK 04386 01960 (Figure 1). The site is currently an active quarry operated by Weinerberger UK, extracting marl and mudstone for the brick manufacturing industry.

Figure 1 Site Location



Additional quarry sites are located within the immediate area (some of which are operational) extracting the same natural resource (e.g. Istock’s Atlas Quarry to the south and Aldridge Site to the east, drawing ESID 2). The Aldridge Brickworks are also depicted on Figure 2.

Many of the historical sites have been infilled and restored by landfilling, e.g. sites located 300m to the west, 20m to the north, 430m to the southeast, 220m east, 195m northeast of the proposed permit boundary (see drawing 5430/2/003).

The current operations at the Sandown Quarry occupy the central and northern end of the site, the mineral processing operations, kilns, workshop and offices occupy the south and south-eastern end of the facility (Figure 2). Current excavation depths within the quarry are ~90mAOD. Any accumulating rainwater is removed to the on-site surface water settlement pond in the north-western corner. The water is directed to a drain in accordance with a current discharge consent which then passively flows through a network of drains to the west, towards the Swag SSSI.

Figure 2 Aerial Overview of Sandown Quarry

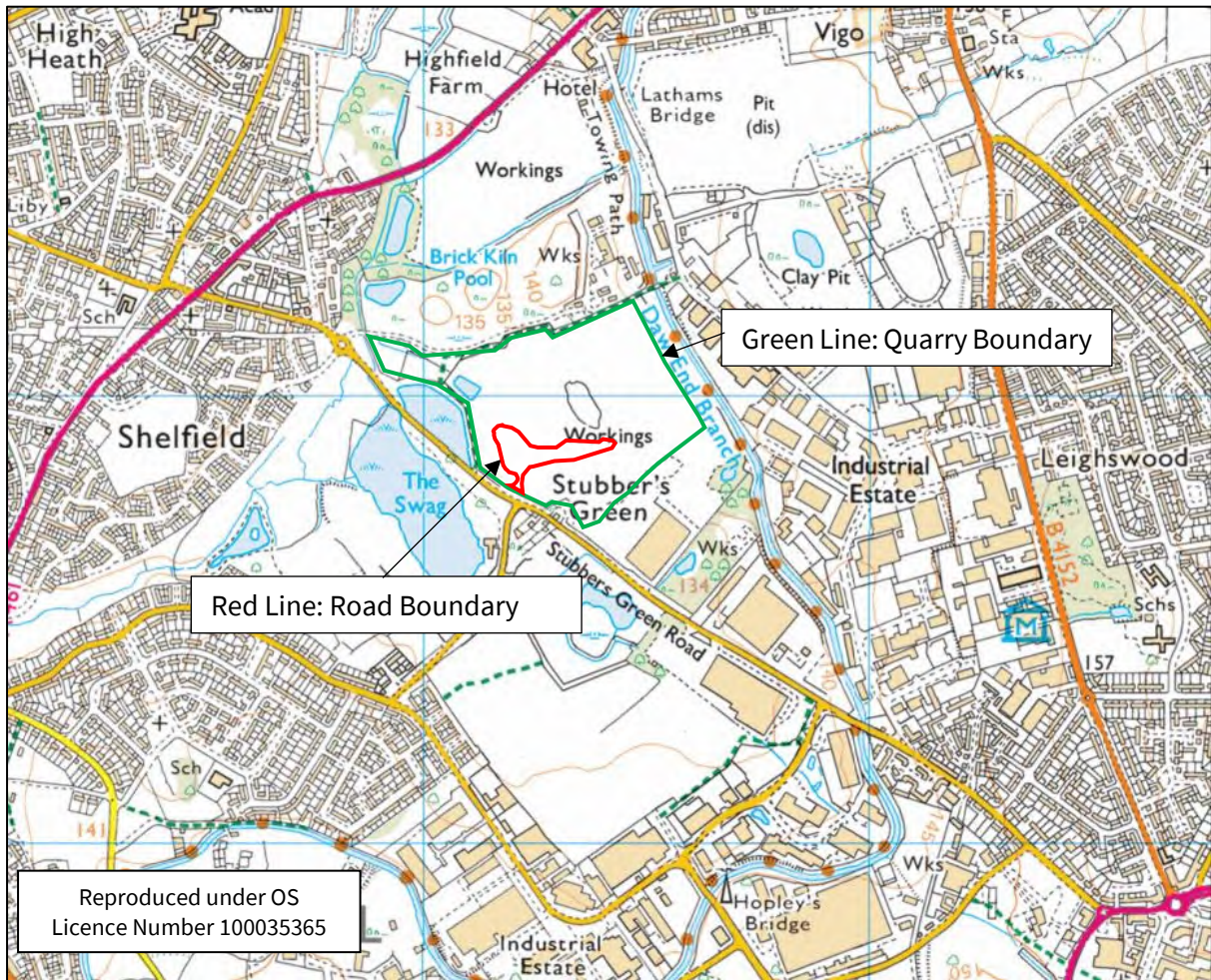


The perimeter of the site is at ~130mAOD to the east and southeast in the area of the brickwork's storage yard rising to ~133mAOD in the north-western corner near to the current surface water settlement pond (Figure 3 and drawing referenced ESID 4).

To the north-east ground levels increase to ~137mAOD, a level consistent with the edge of the current void along its eastern boundary however there are areas of low permeability “cast back” materials present (interburden / overburden surplus to brick manufacture) within the intervening land between the eastern boundary of the void and the Daw End Canal which is adjacent to the quarry perimeter (the green boundary in Figure 3). The proposed permit boundary for the construction of the road is shown by the red line to the central / south west of the site in Figure 3.

Locally, the highest ground is at ~175 - 180mAOD to the east in the residential area of Leighswood, falling to the west and northwest to 125mAOD associated with the lower lying areas of the Ford Brook tributaries (west of High Heath, Figure 1, Figure 4) that flow to the River Tame which is located 6.7km to the southwest beyond the Walsall Ring Road (Broadway) and the M6.

Figure 3 Site Location - Detail

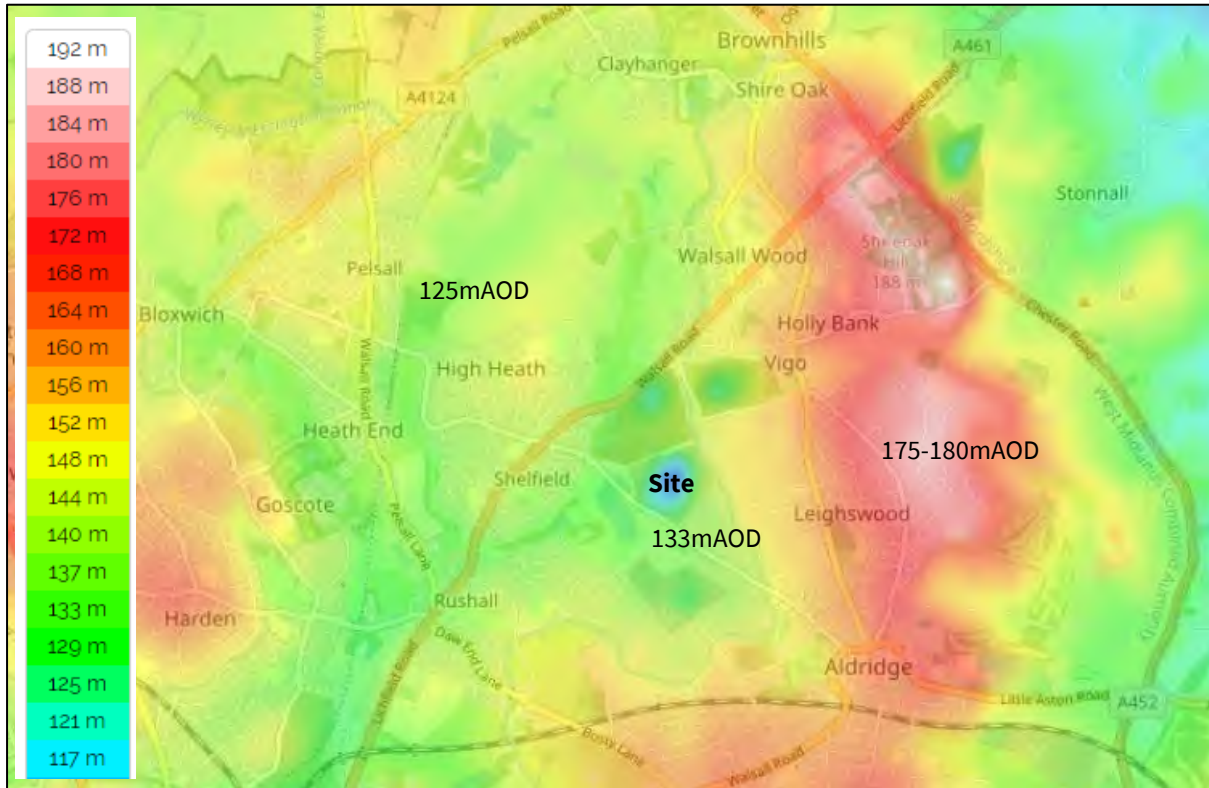


Indicative permit area and boundary shown for context.

The local topographical context is illustrated on the shaded relief contour map (Figure 4), cross referencing the topography with the geological setting (further detail provided in Section 3.4 and 3.5) it is apparent that the high areas of land to the east relate to the outcrop of the Chester Formation strata (Triassic). The site itself is located within the Carboniferous (older) Etruria Formation strata.

As noted above in regard to land on the eastern perimeter, extensive placement of ‘non-mineral resource’ material has also taken place in other areas of the current quarry void periphery. Aerial images available on-line indicate placement between 2000 and 2007 particularly the areas to the south and southwest, progressing along the western boundary towards the location of the surface water settlement pond (Figure 2).

Figure 4 **Shade Relief Contour Map**



Higher topographical areas relate to the outcrop of the Chester Formation strata.

1.4 Local Amenity Receptors

A sensitive receptor review has been undertaken within a 500 km screening distance, receptors are identified in Table 1. The distance from receptors is conservatively based on distance from the green quarry boundary not the red boundary that follows the edge of the proposed Access Road. An Agency ‘Nature and Heritage Conservation Screening Report’ (ref: EPR/LB3107UP/A001) was requested and received in March 2021 which identified Local Wildlife Sites (LWS) referred to as Dumblederry Lane, Anchor Brook Valley, Daw End Brach Canal and Stubbers Green within 200m of the Site.

The LWS sites have been included on the accompanying Sensitive Receptor Location Plan (Drawing ESID 3, which also includes receptors > 500 m relevant to the landfill application) and are also referenced in Table 1. The Screening Report identified protected species to the east associated with the Canal, namely Floating-leaved Water Plantain and various protected habitats such as Deciduous Woodland / Fens / Coastal or Floodplain grazing.

The report also highlighted that there are no Special Areas of Conservation (SAC), Special Protection Areas (SPA), RAMSAR sites, National Nature Reserve (NNR) or Local Nature Reserves (LNR) located near the Site. The Screening Report is attached as Appendix A.

Sites of Special Scientific Interest (SSSI) are located within the screening distance, namely the Jockey Fields SSSI, Swan Pool and the Swag SSSI and Stubbers Green Bog (ESID 2).

To avoid confusion the same numbers are assigned to the receptors in the landfill application and this report. Those receptors >500 m distant not relevant to the Access Road have been removed from Table 1.

Table 1 Sensitive Receptor Review

Receptor No.	Receptor	Receptor Type	Approx. Distance from Site Boundary (m)	Direction from Site	Freq (%) Prevailing Wind Direction
1	Residential properties on Stubbers Green Road	Residential	20	SW	4
2	Residential properties on New Street	Residential	125	NW	9
3	Residential properties on Swan Pool Grove	Residential	130	W	1
4	Residential properties on Brook Meadow Road	Residential	150	W	1
5	Residential properties on Woodhaven	Residential	180	W	1
6	Residential properties on Broadheath Drive	Residential	240	W	1
7	Residential properties on Woodbridge Close	Residential	210	NNW	22
15	Aldridge Sailing Club	Recreation	200	SW	4
16	Open parkland around The Swag	Recreation	40	W	1
17	Recreation Ground	Recreation	450	W	1
18	Sandown Brickworks	Industrial/Commercial	40	S	2
19	Empire Industrial Estate	Industrial/Commercial	80	E	5
20	Veolia Empire Work (waste treatment)	Industrial/Commercial	15	N	14
21	Highfields South Landfill Site	Industrial/Commercial	250	N	14
22	Vigo Utopia Landfill Site	Industrial/Commercial	210	NNE	10
24	Mercian Weldcraft Factory	Industrial/Commercial	280	SSE	0
25	Ibstock Brick Atlas brickworks	Industrial/Commercial	430	SSE	0
26	Ibstock Brick Atlas open quarry	Industrial/Commercial	410	S	2
27	Daw End Branch	Canal	15	E	5
28	Swan Pool	Pond	10	W	1
29	The Swag	Lake	75	W	1
30	Unnamed pond	Pond	90	NNW	22
31	Brick Kiln Pool	Pond	200	N	14
32	Unnamed pond	Pond	220	S	2
33	Unnamed pond	Pond	500	WSW	2
34	Unnamed pond	Pond	210	SSE	0
35	Unnamed pond	Pond	330	NE	7
36	On-site Drain - Highfield South	Site Drainage	320	N	14
37	Unnamed drain	watercourse	5	W	1
38	Unnamed drain	watercourse	20	NW	9
40	Unnamed drain	watercourse	200	NNW	22
41	Unnamed drain	watercourse	50	S	2
42	Swan Pool and The Swag SSSI	SSSI	0	W	1
43	Stubbers Green Bog SSSI	SSSI	50	S	2
44	Jockey Fields SSSI	SSSI	340	N	14
46	Dumblederry Lane LWS	LWS	220	SW	4

Receptor No.	Receptor	Receptor Type	Approx. Distance from Site Boundary (m)	Direction from Site	Freq (%) Prevailing Wind Direction
47	Anchor Brook Valley LWS	LWS	70	S	2
48	Daw End Branch Canal LWS	LWS	15	E	5
49	Stubbers Green LWS	LWS	15	W	1
50	Stubbers Green Road	Road	20	W	1
51	Barns Lane	Road	50	SW	4
52	Unnamed access road to Veolia Site	Road	20	ENE	8
53	Empire Close	Road	140	E	5

See drawings ESID 2 and ESID 3. Sensitive Receptors do not include former / historic landfill sites. Receptors numbered 8 to 14, 23, 39 & 45 relevant to the landfill have been removed.

The Jockey Fields SSSI (Neutral Grassland) to the north of the A461 is recorded as being “*unfavourable / declining*” as a result of a sewage spill in 2016 “*hence damaged through gross eutrophication*”. The Swan Pool and the Swag SSSI (the boundary of Swan Pool SSSI extends into the boundary of Sandown Quarry) are recorded as fen, marsh and swamp which are “*unfavourable / no change*”.

The Natural England Website details “*Much of the reed swamp at Swan Pool has been lost to scrub encroachment and reedswamp at the Swag to horse grazing over last few decades. More recent ornithological advice is to work with landowners to restore the reedswamps and see what happens. Scrub control at Swan Pool will require a long-term programme taking into account existing wildlife interest such as other bird species and invertebrates, whereas a fence is required at the Swag to prevent grazing animals from eating off any emerging reedswamp growth. A stable water level is also required*”. It is also noted that swallows on autumn passage no longer use the site.

The Stubbers Green Bog SSSI (fen, marsh and swamp) to the southeast is recorded as “*unfavourable / declining*” and requires scrub and tree management. There are no designated sites within 2km of the site.

The road will be constructed within the existing quarry void and will only extend downwards into it. The road will not be indirect contact with any sensitive site nor will it be possible for any liquid which may run off the road to enter any habitat. The majority of the construction activities will be carried out below surrounding ground levels and this will reduce the potential for dust or noise emissions to impact sensitive receptors.

2 Source Term Characterisation

2.1 The Development of the Access Road

The proposed Access Road will be constructed prior to commencement of landfill construction activities. The construction of the road is essential to enable vehicles to access the base of the quarry after the existing point of access is closed off. The risks associated with the construction and infilling of 3.1M m³ of non-hazardous waste aggregates, soil and stones are considered in detail within a separate application submitted for the landfill. The Access Road which proposes to use 35,000 m³ of inert waste will present a significantly lower risk than the landfill.

2.2 Site History and Local Historical Development

A Groundsure Enviro-Geo Insight report² is included at Appendix B, the historical maps contained therein show that in 1883 the land locally was predominantly agricultural with areas of Coal Mining and Clay extraction. Historical land use from 1883 to present is tabulated below in Table 2.

Table 2 Historical Land Use

Date	Land Use	Reference
1883 - 1888	London North-western Railway identified bisecting the site, Stubber's Green Brick Works is present on site (north of the railway), Stubber's Green Colliery south of the railway. A pond located in the north-centre of site, the canal is present to the east. Leigh's Colliery and the Victoria works identified to the southeast, Aldridge Colliery to the northeast, settlement of Stubber's Green to the south. Unnamed brickworks are present to the north and Railway to the east (Walsall Wood Branch), beyond the canal.	County Series 1:10,560
1901	Extension of two works within the site, Springfield works at old Stubbers Green works, and Atlas works in centre-west of site. Stubbers Green colliery now referred to as Coppy Hall Colliery. Empire works to the north of Site and Northywood works east of the canal (referred to as the Birmingham Canal Navigation), residential properties increasing at Shelfield to the northwest. Numerous hamlets and small farm properties located nearby. Expansion of the Victoria works to the east (beyond the canal). Small area of marshland recorded near to the current location of the Swag.	County Series 1:10,560
1915 - 1921	Atlas works expansion on site in addition to the Empire works, Springfield works and Coppy Hall Colliery now disused, the bisecting railway still present through the centre of the site. The Swag now present, Sewage farm (Walsall R.D.C) southeast of Barns Lane.	County Series 1:10,560
1938	No significant change at site or local area. Increase in houses at Shelfield and Walsall Wood to the northeast.	County Series 1:10,560
1954 - 1956	Atlas works continue to develop, Empire works expansion to the north, Aldrige works to the east (beyond the canal) and development of Utopia works to the northeast. Swan pool now present in Site boundary. Sewage works development west of Stubber's Green and the Swag.	County Series 1:10,560
1972 - 1973	Bisecting railway now dismantled, further residential development in Shelfield and Rushall (southwest of Site). Single works at site, pits occupying north-eastern quarter of site. Walsall Wood Railway Branch dismantled to the east.	Ordinance Survey 1:10,000
1980 - 1982	No significant on-site change, more pools and pits in former Empire Works to north (e.g. Brick Kiln Pool). Development of an Industrial Estate in between the canal and Leighswood to the east. Walsall Wood Railway Branch developed into the route of the B4152.	Ordinance Survey 1:10,000

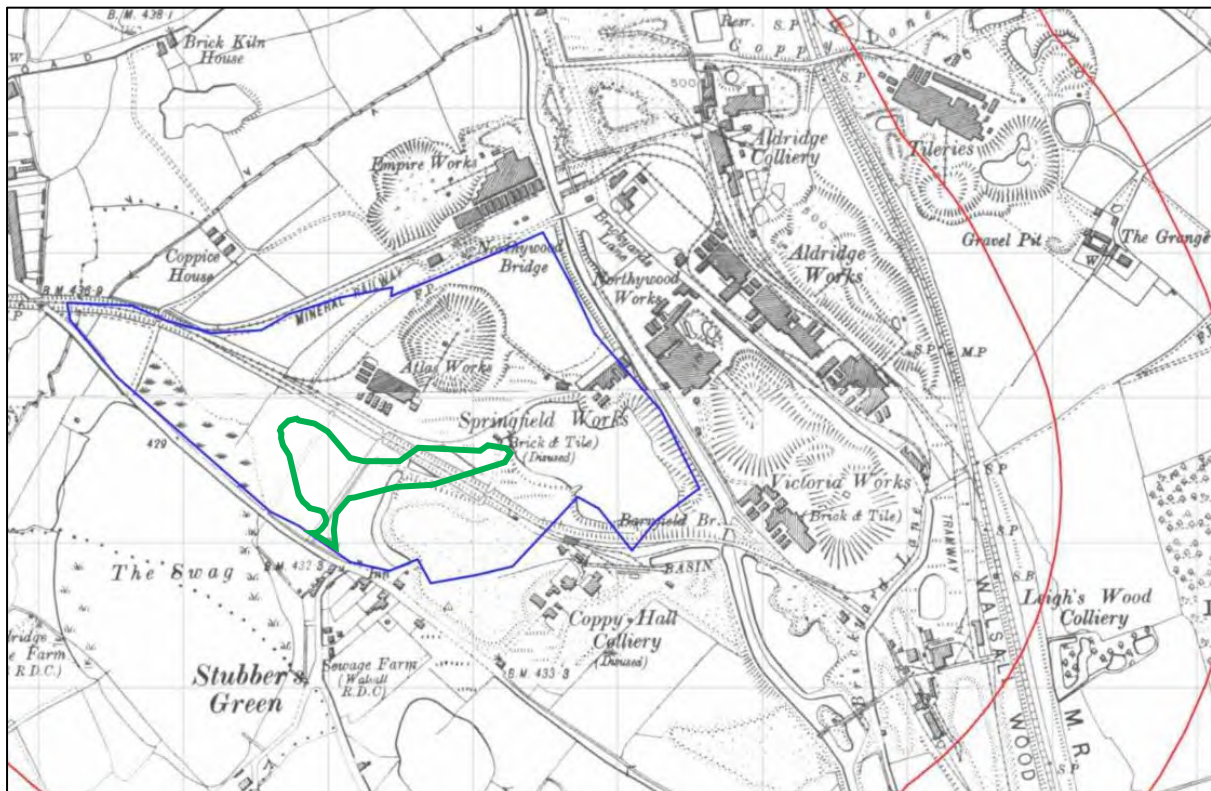
² Groundsure (February 2022), Enviro+Geo Insight – Sandown Quarry Landfill. Report reference GS-8507932

Date	Land Use	Reference
1990 - 1992	On-site Atlas brick works now gone, most of site is a single clay pit. Neighbouring former Empire works to the north is now a completed landfill, further expansion in Shelfield to the west of site and Leighswood to the East including the Leighswood Industrial Estate.	Ordinance Survey 1:10,000
2001 -2010	No significant changes / development.	Ordinance Survey 1:10,000
2022	No significant changes / development.	Ordinance Survey 1:10,000

The site area has expanded predominantly in regard to brick and tile manufacture between the late 19th Century and 1950’s. Clay (marl) extraction predates the publication of the 1883 map however extraction continues locally at some sites including at Sandown Quarry.

In tandem with the brickwork expansion was the local increase in residential housing, not only on account of the brick industry but also to supply labour for the Coal Mining Industry. Table 2 details numerous collieries are located within the local area, Copsy Hall immediately adjacent to the south of the site, Aldridge to the northeast and Leigh’s Wood to the southeast (Figure 5).

Figure 5 Location of Nearby Brickworks and Collieries

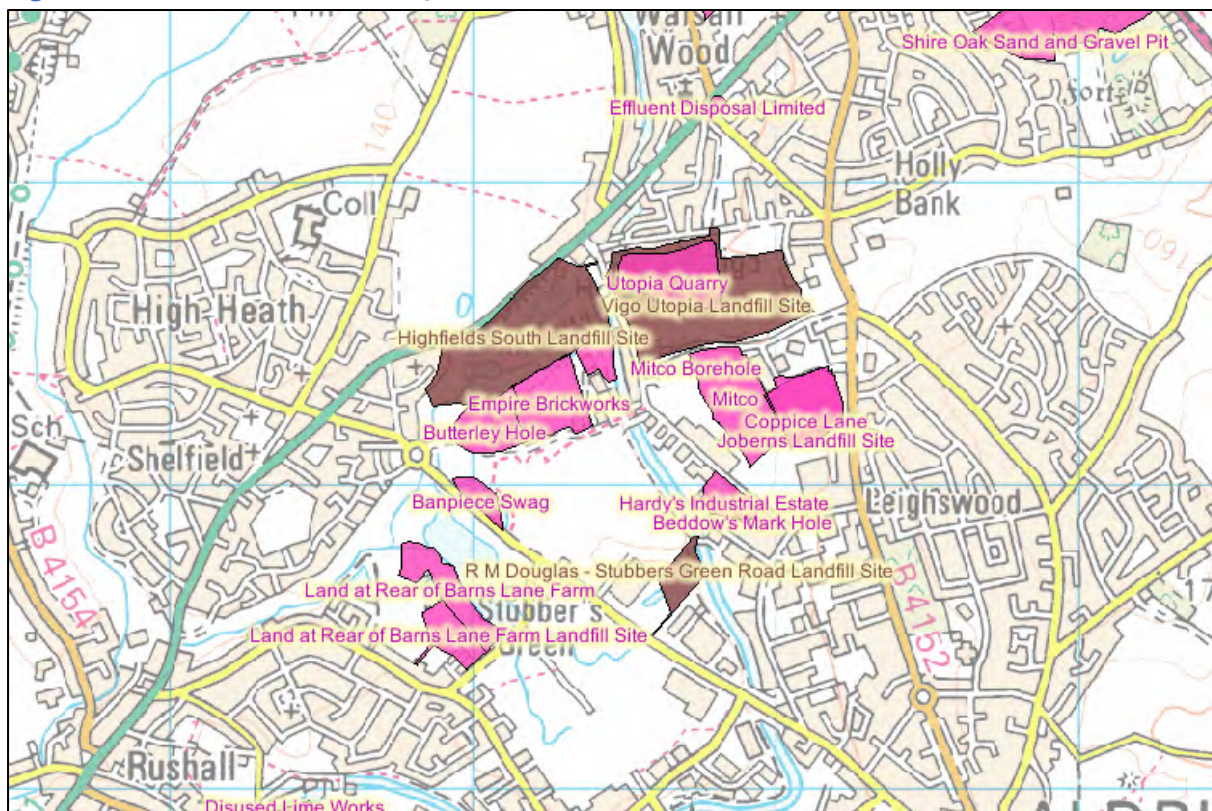


Extract from the 1915 – 1920 County Series 6” Map (part of Appendix B), blue line – approximate area of Sandown Quarry. Green line, approximate extent of the proposed Access Road

As noted in Section 1.3, subsequent to the removal of the brick making mineral reserves in some of the workings noted in Table 2 and Figure 5, these former quarry voids have been backfilled with wastes (Figure 6). Additionally, the Groundsure report at Appendix B identifies that there are:

- 4 active, or recently closed sites recorded within 500m of Sandown Quarry (under Agency regulation)
- 3 historic sites within 500m (BGS records)
- 4 historic sites within 500m (LA mapping)
- 13 historic sites within 500m (Agency records)
- 17 historical waste sites (LPA records)
- 27 licensed waste sites (Agency records)
- 17 waste exemptions (exempt from needing a permit)

Figure 6 Location of Nearby Landfills



Brown infill denotes authorised landfill, pink denotes “historic landfill”

As such, the potential for adverse environmental effects in the local area and alteration of baseline conditions (groundwater, surface water, soils) is significant. Much of the local surface cover (soils and superficial strata) and underlying natural geological strata (bedrock) have been removed.

Most relevant to the site and the immediate environmental site setting is the presence of landfill sites (and possible associated impacts) adjacent to the site boundary.

The “Banpiece Swag” is recorded as being present adjacent to the western site boundary, this area of former waste deposition is now in the location of the Swan Pool SSSI. The ‘Butterley Hole’ / Empire Brickworks Sites are located adjacent to the northerly facing site boundary with the ‘Douglas, Stubber’s Green Road’ Site to the southeast. Multiple sites are located to the east and northeast beyond the Daw End Canal and eastern site perimeter. The potential effects of these site are discussed further in Section 3.5.

2.3 Proposed Development

The construction of the Access Road will utilise inert excavation and construction waste to create a landform that will enable access for site plant and vehicles to deposit non-hazardous waste in the void under a separate landfill permit. The area where the construction will take place is contained within a quarry used for extraction of the low permeability Etruria Formation strata. The Access Road will be constructed on cast-back material extracted from the quarry which the Quarry Operator did not consider suitable for use in brick manufacture. The edge of the void is covered by trees and vegetation that have naturally regenerated providing an established visual barrier to operations.

The potential effects of constructing a landfill for the disposal of non-hazardous waste aggregates, soil and stones have been assessed in the Hydrogeological Risk Assessment (HRA) submitted in support of the landfill application (report referenced 5430-BLP-R-006-01). A HRA has not been prepared for the Access Road application as the landfill HRA is considered a conservative assessment in this regard. The hydrological receptors, the Daw End Canal, the Swag and Swan Pool are also considered accordingly.

The Stability Assessment (report 5430-BLP-R-008-01, Plough Geotechnical Ltd) confirms that the construction of the Access Road will be stable. Factors of safety for *in-situ* exposed faces are acceptable.

Only inert waste will be used to construct the access road. The majority of the materials to be used are expected to be:

- Soil (including mixed clays, silts and sands);
- Stones; and
- Concrete based construction materials from development schemes

It is not expected that the waste used will generate landfill gas or that active management of landfill gas will be required. Such a restriction will also prevent the generation of the primary soluble landfill leachate pollutant (i.e. ammonium) as well as the organic degradation by-products, namely hydrolysis products such as the phenols and the hazardous substances such as BTEX compounds.

The proposed wastes will have a negligible pollution potential and on completion the material will rapidly stabilise to a state where the permitted area could be surrendered upon or shortly after cessation of construction activities.

2.4 Waste Characterisation

The inert construction material may be sourced from excavated mineral and aggregates or similar suitable excavated waste materials and recovered aggregates. Further details are in the accompanying Waste Acceptance Criteria report referenced 16-K5430-BLP-ENV-R-00014.

2.5 Access Road Engineering

A separate “Waste Recovery Plan” has been issued to the Agency (May 2022, reference 5430-BLP-R-00010-01) which covers the associated road construction to access the base of the void (area depicted on drawings 5430/2/001 and 5430/2/002 in that report). The volume of material required is 35,000m³ (suitable inert waste, appropriate for use and stable as per the associated assessment). The access road becomes sacrificial within the landfill infilling scheme and will be progressively covered with the phased progression of works.

The material will be deposited from wagons and bladed out to allow the road surface to be raised gradually in lifts. This will ensure a shallow surface gradient for the working area and hence safe and accessible ground conditions for all vehicle operation and to minimise the velocity of potential surface water run-off and mobilisation of solids. The nature of the material to be used means it is unlikely to be subject to consolidation or settlement which may lead to instability. The likely cohesive nature of this material also makes it suitable for use in the steeper slope faces. A description of how the engineering scheme will progress is detailed in the WRP.

3 Pathway and Receptor Characterisation

3.1 Climate

Information contained on the Met Office website³ provides details for the local area. Key statistical information is presented below in Table 3 and **Error! Reference source not found.**

Table 3 Coleshill Climate Statistics (1991 – 2020)

Month	Max Temp °C	Min Temp °C	Rainfall (mm)
January	7.3	1.7	63.3
February	7.9	1.7	46.9
March	10.5	2.9	46.6
April	13.5	4.3	48.1
May	16.6	6.5	53.8
June	19.6	7.1	64.9
July	22.0	10.0	52.9
August	21.5	12.0	66.2
September	18.6	10.0	58.1
October	14.2	7.3	72.8
November	10.2	4.2	69.6
December	7.6	1.9	64.7
Annual	14.1	6.3	708.2

³ <https://www.metoffice.gov.uk/research/climate/maps-and-data/uk-climate-averages/gcqh99dn5>

Table 4 Climate Statistics - Midlands District (1991 – 2020)

Month	Max. temp (°C)	Min. temp (°C)	Days of air frost (days)	Sunshine (hours)	Rainfall (mm)	Days of rainfall >= 1 mm (days)	Monthly mean wind speed at 10m (knots)
January	7.01	1.35	10.82	53.52	73.01	12.72	8.95
February	7.66	1.32	10.13	75.97	59.18	10.75	8.99
March	10.10	2.50	6.70	114.40	54.46	10.24	8.81
April	13.12	4.11	3.22	156.29	55.08	10.16	7.94
May	16.30	6.79	0.55	191.89	58.38	9.88	7.51
June	19.15	9.66	0.01	179.81	64.86	10.02	6.95
July	21.35	11.64	0.00	191.82	65.47	10.27	6.72
August	20.90	11.56	0.00	174.43	70.52	10.81	6.73
September	18.09	9.46	0.00	135.85	64.54	10.00	6.94
October	13.93	6.83	1.27	99.43	81.58	12.02	7.65
November	9.92	3.81	4.90	61.83	80.51	13.21	7.91
December	7.35	1.62	10.40	50.16	82.30	13.06	8.35
Annual	13.77	5.91	47.99	1485.40	809.89	133.14	7.78

3.1.1 Rainfall

Table 3 presents the 30-year statistical averages for the area, covering the date period 1991-2020. The data is taken from the Coleshill Climate Station, altitude 96m above mean sea level, 20km southeast of site, annual rainfall is marginally greater than that detailed in MAFF 1976⁴ (695mm/yr).

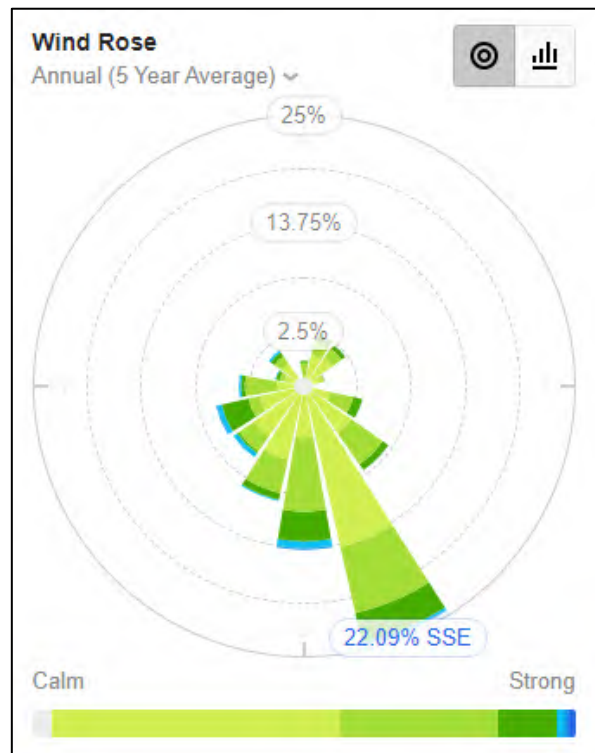
3.1.2 Wind

A wind rose is presented below in Figure 7 **Error! Reference source not found.**, this data shows a statistical representation of data obtained between 2015 and 2020.

Predominant wind direction is from the south-southeast at ~22%.

⁴ MAFF Climate and Drainage Report 34, 1976 HMSO

Figure 7 Walsall Wind Direction Distribution % (2015 – 2020)⁵



3.2 Geological Succession - Overview

The surrounding geological sequence⁶ comprises:

Superficial Strata

- Alluvium – to the west, minor coverage within the channels / tributaries of the Ford Brook
- Glacio-fluvial deposits – limited coverage in the area of Swan Pool and to the west, beyond Stubbers Green Road
- Till – all perimeters of the site (it is noted that this cannot be an accurate reflection of actual site coverage – the deposits have been removed to allow extraction of the underlying bedrock)

The underlying geological sequence comprises:

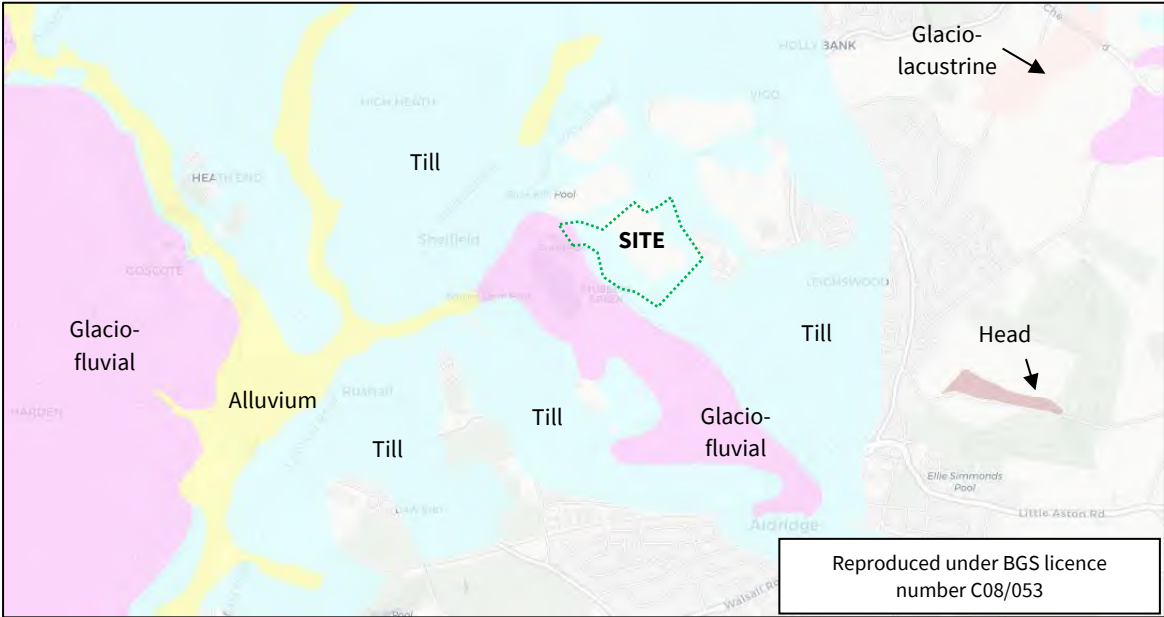
Bedrock Strata:

- Etruria Formation – Mudstone / Sandstone / Conglomerate – Carboniferous (at Site)
- Aveley Member – Mudstone and Sandstone – Carboniferous (east of site and north)
- Middle Coal Measures – Mudstone / Siltstone / Sandstone – Carboniferous (south of site)
- Lower Coal Measures – Mudstone / Siltstone / Sandstone – Carboniferous (west of site)

⁵ <https://wind.willyweather.co.uk/wm/west-midlands/walsall.html>

⁶ <https://mapapps.bgs.ac.uk/geologyofbritain/home.html>

Figure 8 Local Superficial Strata

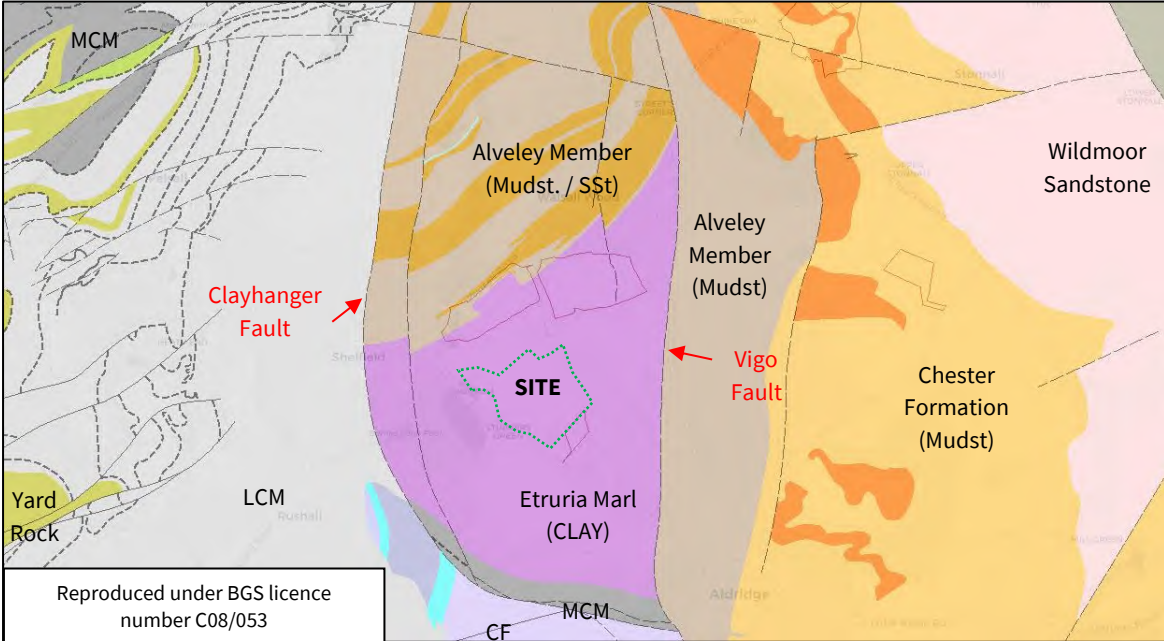


White areas denote no superficial deposits present, i.e. “no coverage”

Made Ground

The coverage of made ground / commercially unviable material is extensive around the site perimeter; particularly along the southern and western void batters with further extensive coverage along the eastern and north eastern boundary.

Figure 9 Local Bedrock Geology



MCM – Middle Coal Measures (Carboniferous); LCM – Lower Coal Measures (Carboniferous); CF – Coalbrookdale Formation (Silurian); Aveley Member (Carboniferous); Chester Formation and Wildmoor Sandstone (Triassic).

3.3 Areas of Made Ground

3.3.1 Mining

Extensive mine workings are located nearby, however these shafts / adits are almost exclusively located to the west of the site in association with coal mining activities and Coal Measures Strata outcrops⁷ (Figure 9). Two Shafts are noted towards the southern boundary of the site (relating to Cobby Hall Colliery, Figure 5). The shafts are not within the proposed site area.

3.3.2 Industrial Uses and Pollution Incidents

There are 52 records of industrial land uses within 250m of site, these include tanks, chemical industries, an obsolete petrol station (220m to the north) and a consent for storage of cyanide (131m to the southeast at the Empire works).

20 notifications for pollution incidents are recorded within 500m, since 2006 there has been 1 major and 2 significant incidences (a category 1 incident of which crude sewage was released 171m southwest, May 2020).

3.4 Hydrogeology / Groundwater

3.4.1 Aquifer Classification and Vulnerability

The glacial superficial deposits locally are designated by the Agency as a Secondary (undifferentiated) aquifer (Figure 10). Superficial sediments are absent at site and therefore there is no lateral continuation to these deposits. Where present alluvium is designated as a Secondary A Aquifer.

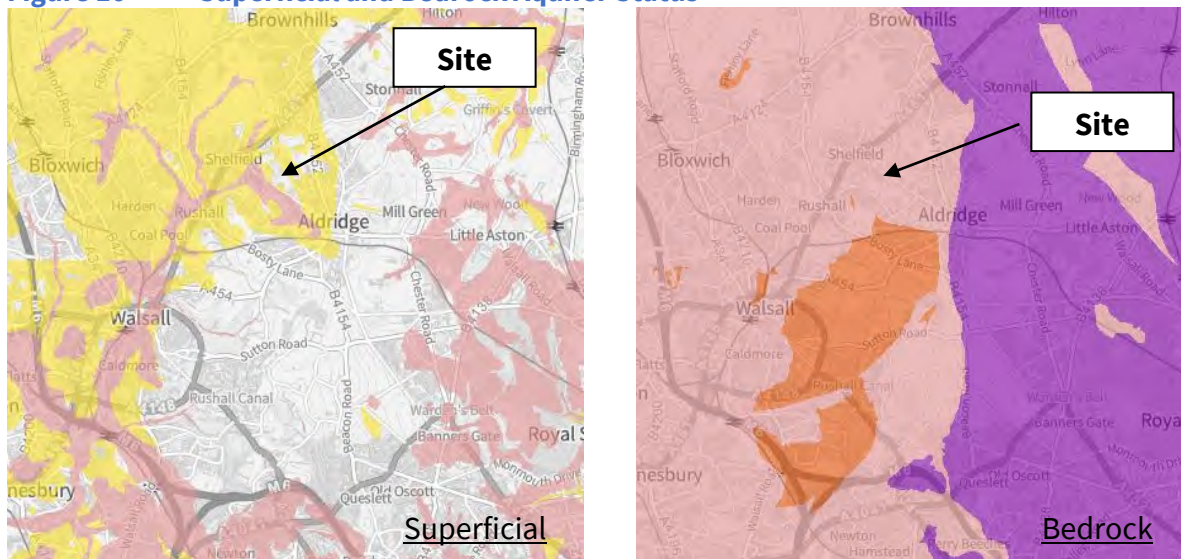
The Etruria Formation is characterised as a Secondary A aquifer (Figure 10) due to the presence of discontinuous higher permeability strata capable of supporting water supplies at a local rather than strategic scale. Water bearing capable sandstone layers are not connected (even over short distances) and are hydrogeologically separated as they are juxtaposed against low permeability mudstones or are encapsulated within the mudstone sequence. This is consistent with BGS information regarding the formation, literature accounts and site observations contained herein.

The site is not located in a groundwater Source Protection Zone (SPZ), the nearest is 1.5km to the east and is characterised as Total Catchment Zone 3. This SPZ is associated with the outcropping of the Triassic sandstone to the east which is considered a Principal Aquifer. This aquifer is stratigraphically above the Etruria Formation and topographically higher (separated by an angular unconformity), there is no hydraulic connection from site to this aquifer. Groundwater vulnerability is considered “low”.

Further detail on the geological, groundwater and surface water site setting is included in the HRA submitted in support of the permit application for the proposed landfilling activity.

⁷ <https://mapapps2.bgs.ac.uk/coalauthority/home.html>

Figure 10 Superficial and Bedrock Aquifer Status



Aquifer: ■ Principal ■ Secondary A ■ Secondary B ■ Secondary (undifferentiated) Unproductive

3.4.2 Groundwater Abstractions

There are no details for groundwater abstractions within 1km of the site (Appendix B). This is consistent with the expectations for the bedrock.

3.4.3 Groundwater Monitoring Installations

Monitoring of groundwater will be carried out under the landfill permit with collection of baseline data already underway. The monitoring of the landfill will continue after construction of the Access Road is completed and the permit surrendered. Therefore it is not proposed to replicate the regime under the recovery permit.

3.4.4 Groundwater Levels and Hydraulic Directions

The HRA for the landfill permit conceptualised groundwater flow to follow a westerly or north-westerly direction (from higher topography to the east and southeast). This flow is interrupted by disruption lines and hence any potential lateral linkages of sandstone layers / lenses or espleys are broken.

3.4.5 Groundwater / Porewater Quality

Water quality locally has been reported as being significantly variable and extremely poor at some monitoring locations adjacent at other landfill sites. The poor and brackish groundwater / porewater (e.g. chloride, sodium and sulphate recent maximums of 340mg/l, 522mg/l and 1,100mg/l adjacent to Vigo Landfill, 1,400mg/l, 1,300mg/l and 820mg/l adjacent to Highfields South Landfill) indicate the at some locations the water is not potable (conceptually downgradient of the Sandown Quarry proposed site) and far in excess of Drinking Water Standard (DWS) concentrations.

3.5 Hydrology

Off-site

The Daw End Canal (part of the Wyrley and Essington Canal) flows parallel to the eastern boundary of the site, the canal is a man-made lined water system and is topographically higher than the site (towpath at ~143mAOD), as such there are no hydrogeological or surface run-off linkages to this water feature. The surrounding area contains numerous ponds, some of which have been designated as SSSI's (see Section 1.4). These ponds are named Brick Kiln Pool (not a SSSI), located to the north (topographically above the site), Swan Pool, The Swag and Barnes Lane Pond to the west (Figure 11).

Figure 11 Location of Nearby Surface Water Features



The current site drainage (towards the northern discharge point, outlet A) enters a “drain” system referred to as part of Vigo Brook. The watercourse potentially takes a contribution of flow from ponds to the north (e.g. Brick Kiln Pool adjacent to Butterley Hole Landfill and further north, adjacent to Highfields South Landfill) and additionally surface water drainage between the two sites (on the southern flanks of Highfields South Landfill). Flow towards “The Swag” SSSI is within the heavily vegetated ditch adjacent to Stubbers Green Road. The HRA for the landfill permit application did not identify any hydrogeological linkages to the surface water systems / ponds to the north.

Any rainfall on the proposed Access Road will flow into the quarry void. Any water that accumulates in the void will be pumped out and discharged in accordance with the extant discharge consent. None of the potential surface water receptors identified are at risk from the proposed activity.

4 Summary Conceptual Site Model

4.1 Source – Pathway – Receptor Framework

A simple conceptual model can be constructed for the Site, based on the relationship

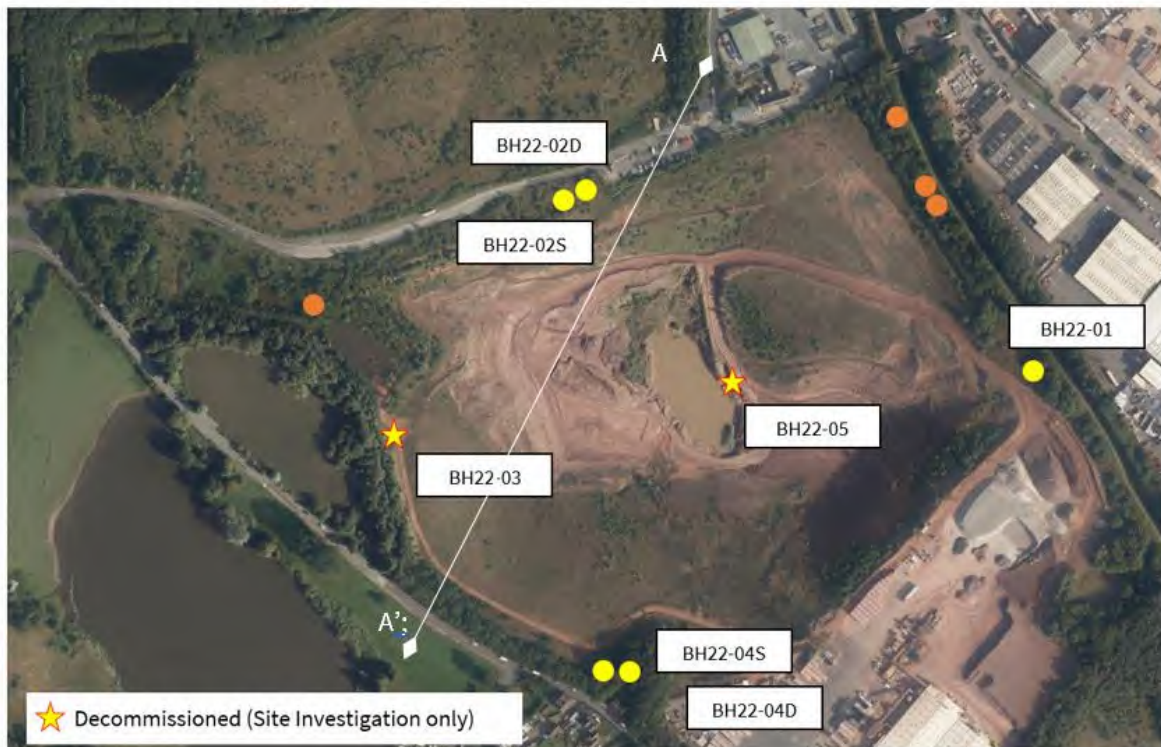
Source → Pathway → Receptor

Where the:

- Source is the inert waste used to construct the Access Road
- The Pathway is the geological pathway towards a water resource; and
- The Receptor is an underlying or adjacent water resource, or sensitive human or habitat receptors.

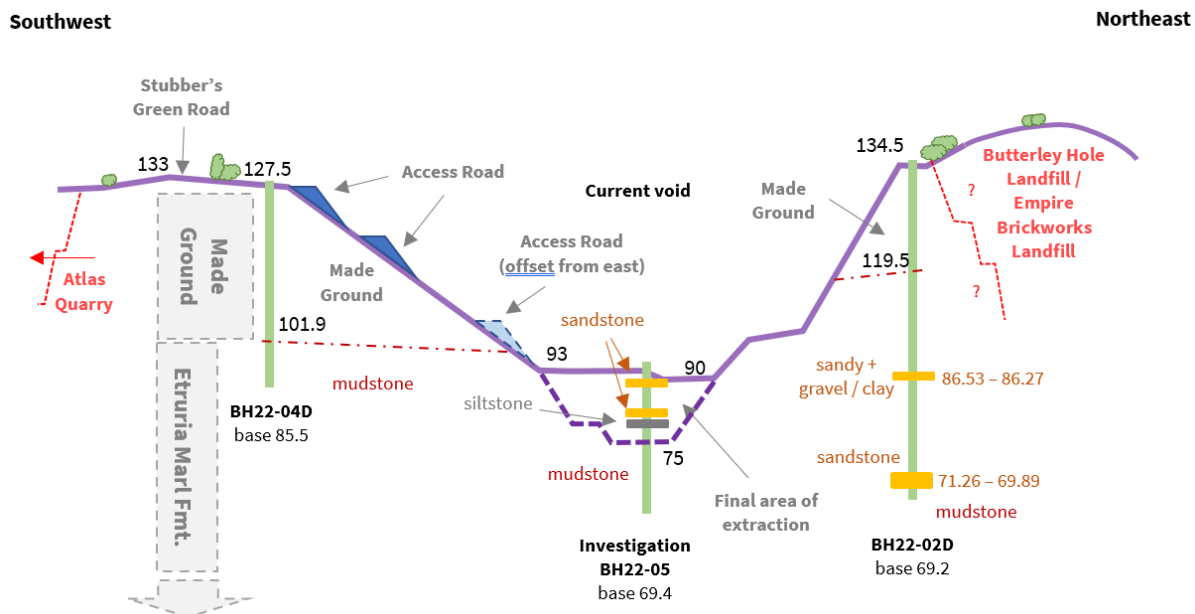
Figure 13 shows the position of a conceptual line of cross-section through the area in which the Access Road will be built. Figure 14 shows the Conceptual Cross Section which shows the anticipated ground conditions below the location of the access road. The Conceptual cross section is an adaptation of the same model constructed for the ESID that supports the non-hazardous landfill application, which goes into greater detail about the ground conditions. The cross-section is illustrative only and slope angles are greatly exaggerated.

Figure 12 Conceptual Line of Cross Section



Yellow symbol – 2022 SI and Monitoring Installation (ESID 8), orange symbol – existing monitoring installations.

Figure 13 Conceptual Cross Section



4.2 Groundwater /Porewater

There are no known groundwater abstractions at risk from the proposed scheme, hydrogeologically the site is in a “low sensitivity” setting. The Access Road will be constructed from inert waste within the quarry void and will present a significantly lower risk than the non-hazardous waste aggregates, soil and stones to be disposed of under the landfill permit. It is not proposed to monitoring groundwater quality under the waste recovery permit as that will be regulated under the landfill permit.

4.3 Surface Water

There are no surface water receptors on the site, the adjacent Swan Pool is topographically equivalent to the current surface water settlement pond. As such, this pond is above the infill and hence is not at risk from the scheme. The on-site pond will continue to be monitored in line with current discharge consent under the landfill permit.

4.4 Amenity

The nearby receptors are identified within **Error! Reference source not found.** and are described briefly within this document. An Environmental Risk Assessment has been undertaken and is provided as part of the permit application (report 5439-BLP-R-00012). The assessment includes qualitative assessments of dust, odour, mud, noise, bird, insect and vermin. Receptor locations are provided on drawing ESID 2 and ESID 3.

5 Monitoring

Monitoring of the site will be carried out under the proposed landfill permit. Background data and that collected during the duration of the Access Road Construction may be used to inform a future surrender application, however as inert waste will be used in the scheme it is anticipated there will

not be an impact on groundwater quality. Regulation of the monitoring regime will be under the landfill permit as that is anticipated to be in place for longer.

6 Site Condition Report

The proposed recovery activity to construct the Access Road requires the permanent deposit of waste. The permit boundary will not include areas where waste will not be deposited and therefore provision of a Site Condition Report is not required.

Drawings

A3



GENERAL NOTES

1. SURVEY INFORMATION PROVIDED BY BOOTH VENTURES Ltd.
2. DO NOT SCALE
3. ALL DIMENSIONS ARE IN MILLIMETRES AND ALL LEVELS ARE IN METRES ABOVE ORDNANCE DATUM.
4. ANY ANOMALIES ON THIS DRAWING SHOULD BE BROUGHT TO THE ATTENTION OF BYRNE LOOBY PARTNERS.

LEGEND

- 100.0 EXISTING GROUND CONTOURS
- Proposed Permit Boundary

Rev	Date	Description	By	Chk	App
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IRELAND | UK | UAE | BAHRAIN | KSA

CLIENT



PROJECT

SANDOWN QUARRY

DRAWING TITLE

PROPOSED PERMIT BOUNDARY

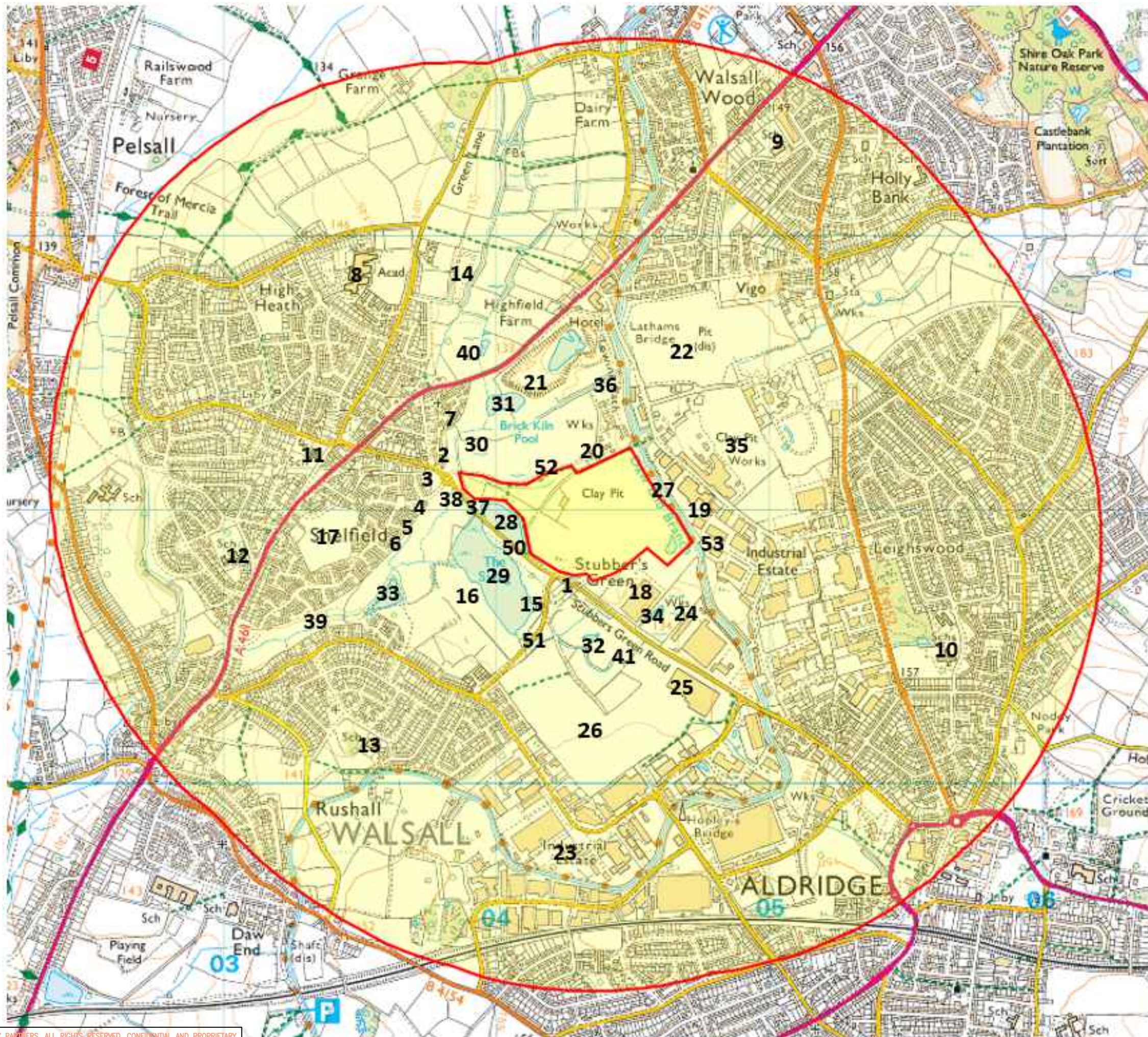
STATUS

Date: 23/02/22	Scale: 1:2500	Drawn: GH	Chk: JT	App: JB
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Project No: 5430	Dirg. No: 5430.2.003	Rev: 00
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404400mE

404600mE



Notes

1. DO NOT SCALE
2. ANY ANOMALIES ON THIS DRAWING ARE TO BE BROUGHT TO THE ATTENTION OF BYRNE LOOBY LTD
3. RECEPTORS DETAILED IN REPORT 5430-BLP-R-003-01 (TABLE 1)

Key

- SITE LOCATION/ BOUNDARY
- 2** SITE RECEPTOR

Rev	Date	Description	By	Chk	App
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CLIENT



PROJECT

SANDOWN QUARRY LANDFILL

DRAWING TITLE

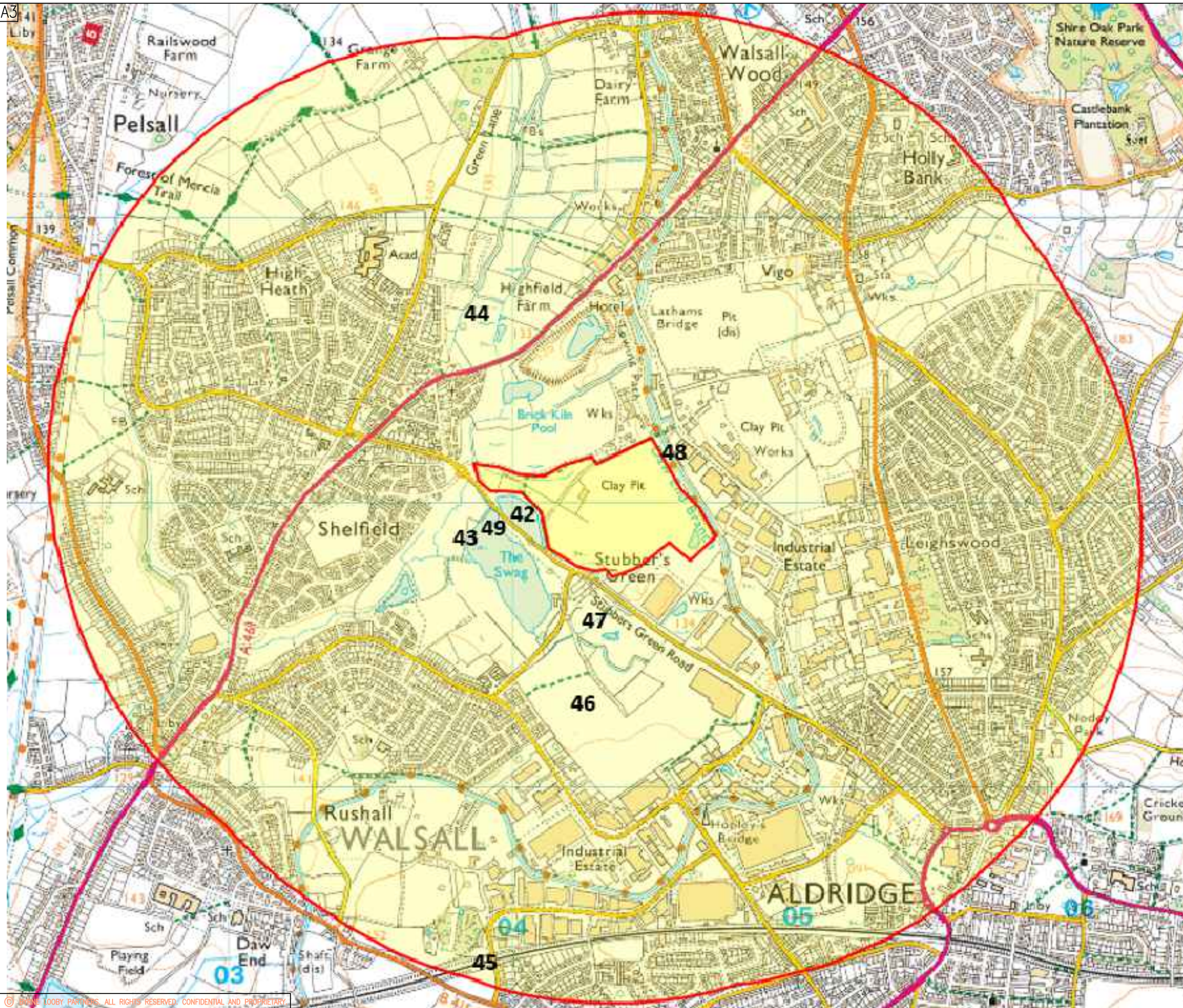
ESID 2
ENVIRONMENTAL SITE SETTING

STATUS

FINAL

Date: 31/05/22	Scale: N/A	Drawn: JM	Chk: GH	App:
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Project No: 5430	Drg. No: 5430/3/002	Rev:
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Notes

1. DO NOT SCALE
2. ANY ANOMALIES ON THIS DRAWING ARE TO BE BROUGHT TO THE ATTENTION OF BYRNE LOOBY LTD
3. RECEPTORS DETAILED IN REPORT 5430-BLP-R-003-01 (TABLE 1)

Key

- SITE LOCATION/BOUNDARY
- 42 CULTURAL AND NATURAL HERITAGE RECEPTOR

Rev	Date	Description	By	Chk	App

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PROJECT
SANDOWN QUARRY LANDFILL

DRAWING TITLE
ESID 3
CULTURAL AND NATURAL HERITAGE

STATUS
FINAL

Date: 31/05/22 Scale: N/A Drawn: JM Chk: GH App: []

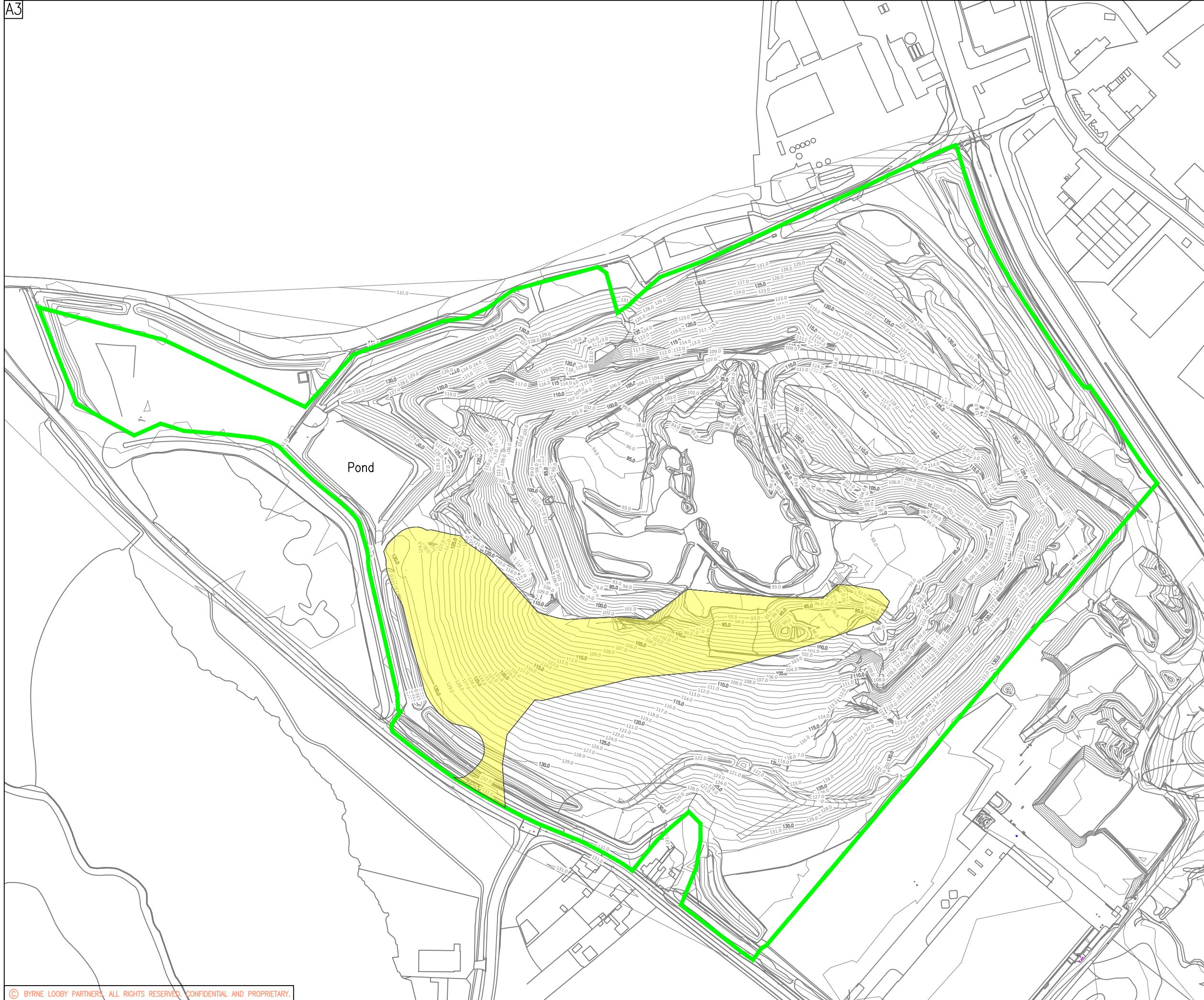
Project No: 5430 Drg. No: 5430/3/003 Rev: []

Notes

- 1. DO NOT SCALE
- 2. ANY ANOMALIES ON THIS DRAWING ARE TO BE BROUGHT TO THE ATTENTION OF BYRNE LOOBY LTD

Key

-  PERMIT/INSTALLATION BOUNDARY-TAKEN FROM SANDOWN QUARRY LAND TRANSFER PLAN, DATED 08 FEB 2011 (CARTER JONAS)
-  AREA FOR RECOVERY OPERATION, SEE REPORT 16-K5430-BLP-ENV-R-00010



Rev	Date	Description	By	Chk	App

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CLIENT



PROJECT
 SANDOWN QUARRY LANDFILL

DRAWING TITLE
 ESID 4
 SITE LAYOUT AND WASTE DEPOSTION

STATUS

Date: 31/05/22	Scale: 1:2500	Drawn: JM	Chk: GH	App:
Project No: 5430	Drg. No: 5430/3/004			Rev:

Appendix A – Habitats Screen

Nature and Heritage Conservation

Screening Report: Bespoke Waste

Reference	EPR/LB3107UP/A001
NGR	SK 04390 01950
Buffer (m)	450
Date report produced	07/03/2022
Number of maps enclosed	4

The nature and heritage conservation sites and/or protected species and habitats identified in the table below must be considered in your application.

Nature and heritage conservation sites	Screening distance (m)	Further Information
--	------------------------	---------------------

Sites of Special Scientific Interest (SSSI) Jockey Fields (SSSI) Swan Pool & The Swag (SSSI) Stubbers Green Bog (SSSI)	1000	
---	------	--

[Natural England](#)

Local Wildlife Sites (LWS) Dumblederry Lane Anchor Brook Valley Daw End Branch Canal Stubber's Green	200	
--	-----	--

[Appropriate Local Record Centre \(LRC\)](#)

Protected Species	Screening distance (m)	Further Information
-------------------	------------------------	---------------------

Floating-leaved Water Palntain	up to 500m	
--------------------------------	------------	--

[Natural England](#)

[Appropriate Local Record Centre \(LRC\)](#)



Protected Habitats

Screening distance (m)

Further Information

Deciduous Woodland

up to 50m

[Natural England](#)

Fens

Coastal and Floodplain Grazing Marsh

Where protected species are present, a licence may be required from [Natural England](#) to handle the species or undertake the proposed works.


The relevant Local Records Centre must be contacted for information on the features within local wildlife sites. A small administration charge may also be incurred for this service.

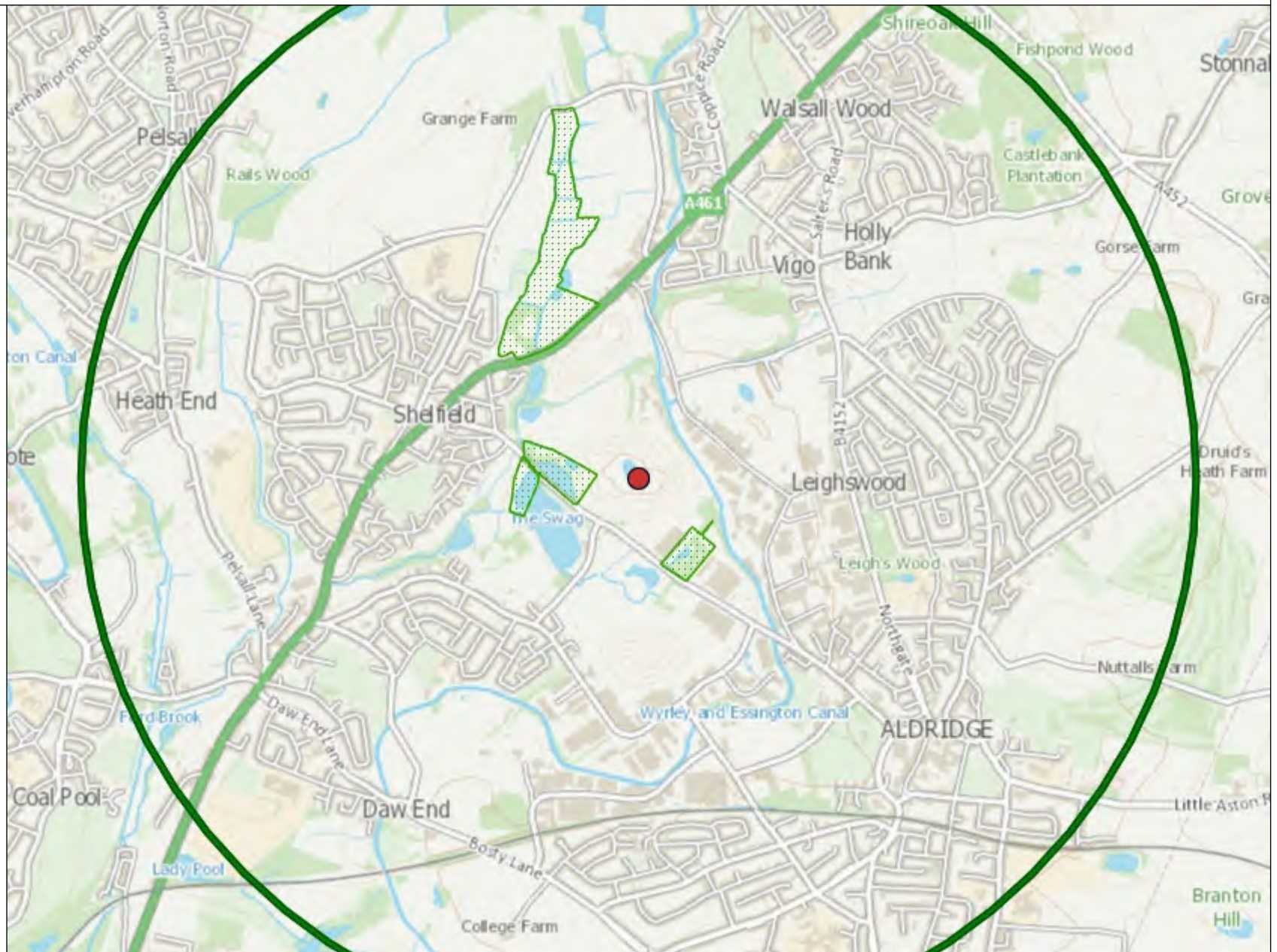
Please note we have screened this application for protected and priority sites, habitats and species for which we have information. It is however your responsibility to comply with all environmental and planning legislation, this information does not imply that no other checks or permissions will be required.

Please note the nature and heritage screening we have conducted as part of this report is subject to change as it is based on data we hold at the time it is generated. We cannot guarantee there will be no changes to our screening data between the date of this report and the submission of the permit application, which could result in the return of an application or requesting further information.

Sites of Special Scientific Interest

Legend

 SSSI (England)



1: 25,000

0 625

Metres

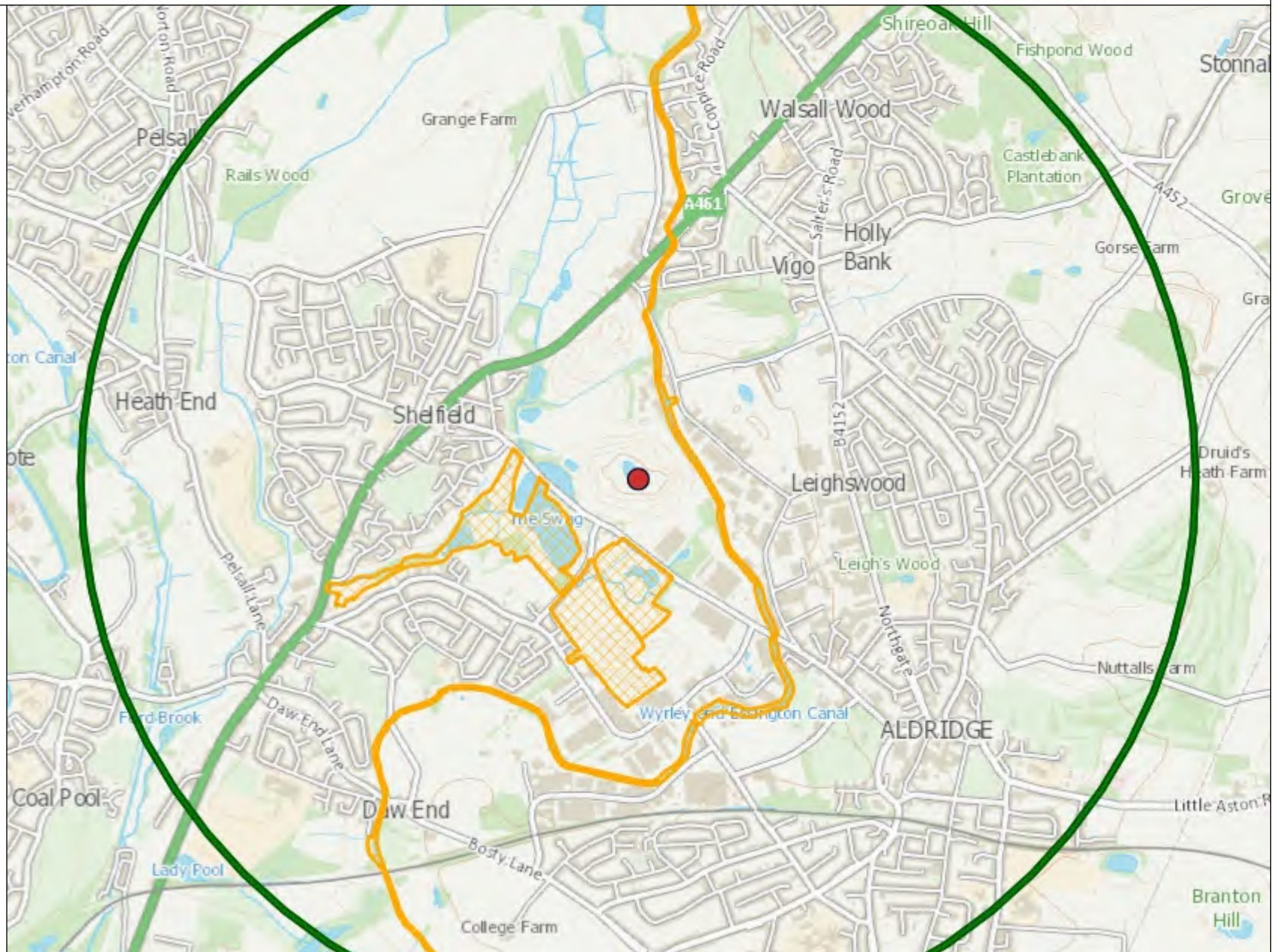


Local Wildlife Sites



Legend

 Local Wildlife Sites



1: 25,000

0 625




Metres

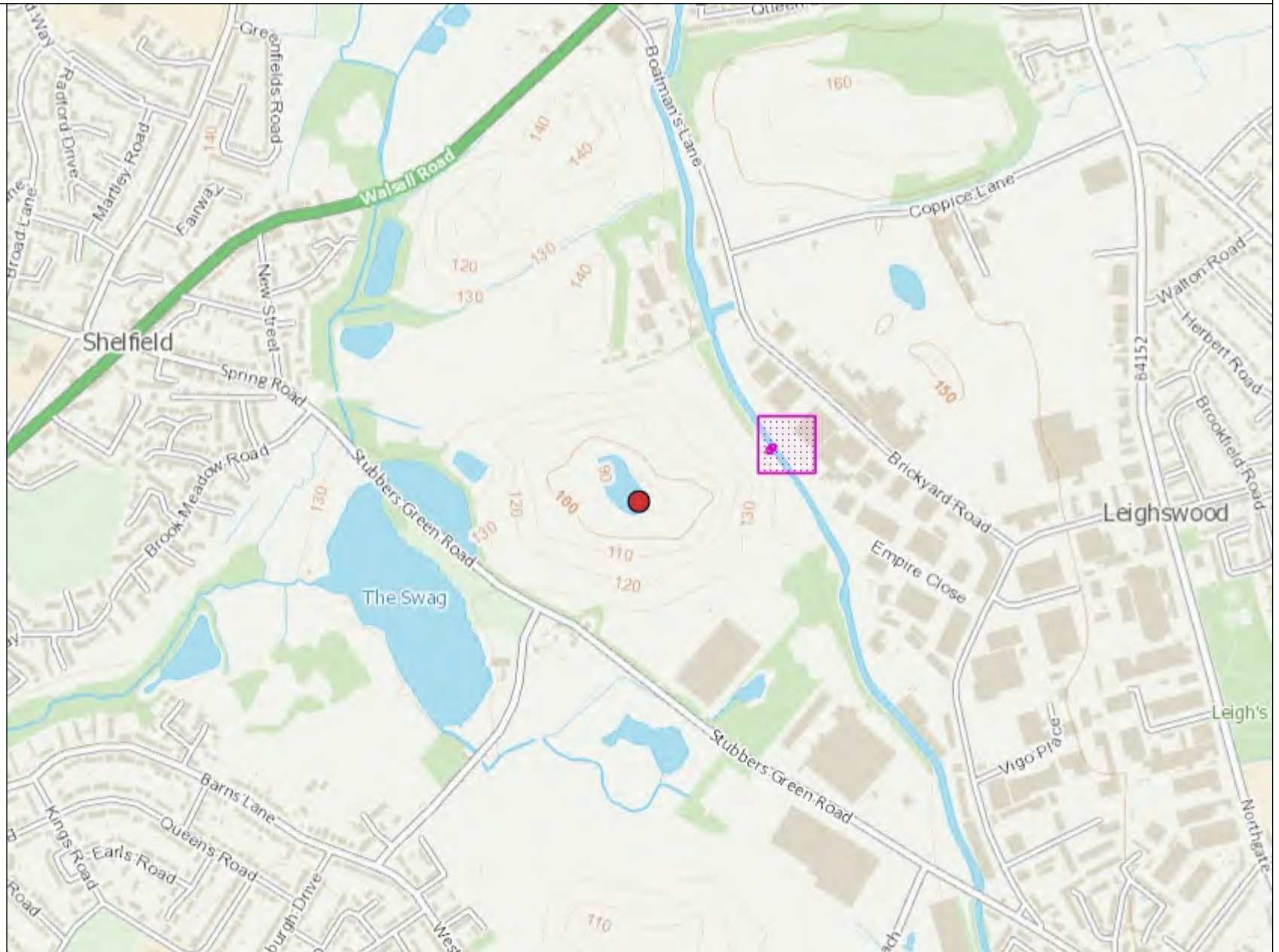


Protected Species

Legend


Protected species screened for Env Permits - complete set

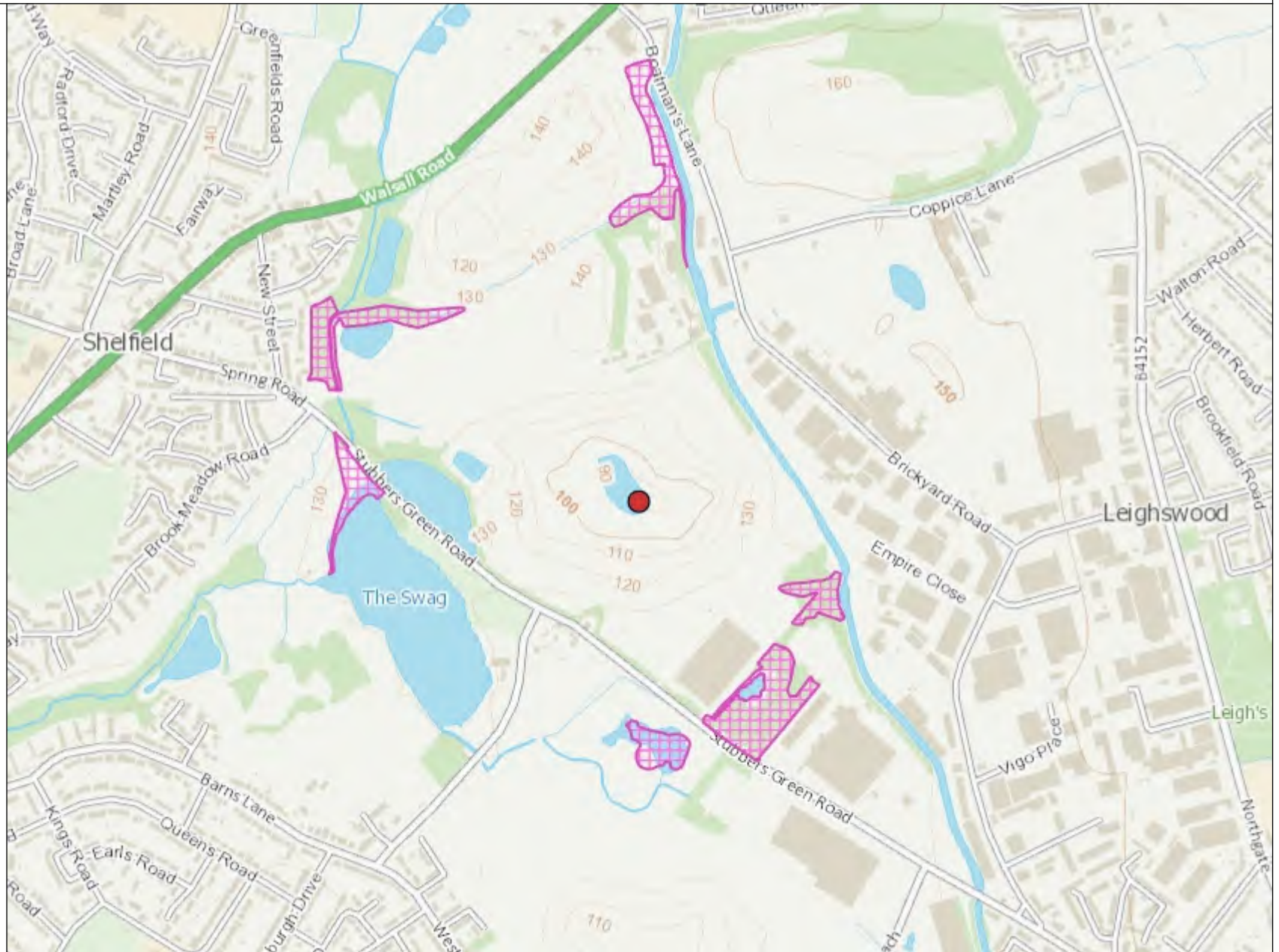
-  Protected species, non fish
-  Protected fish
-  Protected fish migratory route



Protected Habitats

Legend

-  Protected Habitats screened for En Permits



1: 10,000

0 250

Metres



Appendix B – Groundsure Insights Report

404353 301972

Order Details

Date: 09/02/2022
Your ref: 5430_Sandown_Quarry_-_PO141044
Our Ref: GS-8507932
Client: Byrne Looby Partners (UK) Limited

Site Details

Location: 404505 301949
Area: 22.94 ha
Authority: [Walsall Metropolitan Borough Council](#)



Summary of findings

p. 2

Aerial image

p. 8

OS MasterMap site plan

N/A: >10ha

groundsure.com/insightuserguide

Summary of findings

Page	Section	Past land use	On site	0-50m	50-250m	250-500m	500-2000m
13	1.1	<u>Historical industrial land uses</u>	72	51	94	135	-
26	1.2	<u>Historical tanks</u>	3	4	22	26	-
29	1.3	<u>Historical energy features</u>	0	0	5	7	-
29	1.4	Historical petrol stations	0	0	0	0	-
30	1.5	<u>Historical garages</u>	0	0	1	7	-
30	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
31	2.1	<u>Historical industrial land uses</u>	80	57	110	155	-
46	2.2	<u>Historical tanks</u>	5	5	46	36	-
50	2.3	<u>Historical energy features</u>	0	0	14	32	-
52	2.4	Historical petrol stations	0	0	0	0	-
52	2.5	<u>Historical garages</u>	0	0	1	13	-
Page	Section	Waste and landfill	On site	0-50m	50-250m	250-500m	500-2000m
53	3.1	<u>Active or recent landfill</u>	0	1	2	1	-
54	3.2	<u>Historical landfill (BGS records)</u>	0	0	1	2	-
55	3.3	<u>Historical landfill (LA/mapping records)</u>	0	0	1	3	-
55	3.4	<u>Historical landfill (EA/NRW records)</u>	1	2	4	6	-
57	3.5	<u>Historical waste sites</u>	3	6	4	4	-
60	3.6	<u>Licensed waste sites</u>	0	9	12	6	-
69	3.7	<u>Waste exemptions</u>	0	0	14	3	-
Page	Section	Current industrial land use	On site	0-50m	50-250m	250-500m	500-2000m
71	4.1	<u>Recent industrial land uses</u>	0	4	48	-	-
75	4.2	<u>Current or recent petrol stations</u>	0	0	1	0	-
75	4.3	Electricity cables	0	0	0	0	-
75	4.4	Gas pipelines	0	0	0	0	-
75	4.5	Sites determined as Contaminated Land	0	0	0	0	-



75	4.6	<u>Control of Major Accident Hazards (COMAH)</u>	1	1	0	0	-
76	4.7	Regulated explosive sites	0	0	0	0	-
76	4.8	<u>Hazardous substance storage/usage</u>	0	0	1	0	-
77	4.9	Historical licensed industrial activities (IPC)	0	0	0	0	-
77	4.10	<u>Licensed industrial activities (Part A(1))</u>	0	0	36	43	-
89	4.11	<u>Licensed pollutant release (Part A(2)/B)</u>	0	0	6	5	-
91	4.12	Radioactive Substance Authorisations	0	0	0	0	-
91	4.13	<u>Licensed Discharges to controlled waters</u>	3	2	7	6	-
94	4.14	<u>Pollutant release to surface waters (Red List)</u>	0	0	3	0	-
95	4.15	<u>Pollutant release to public sewer</u>	0	0	0	1	-
95	4.16	<u>List 1 Dangerous Substances</u>	1	0	1	1	-
95	4.17	<u>List 2 Dangerous Substances</u>	1	0	2	1	-
96	4.18	<u>Pollution Incidents (EA/NRW)</u>	1	2	5	12	-
98	4.19	<u>Pollution inventory substances</u>	0	0	2	10	-
103	4.20	<u>Pollution inventory waste transfers</u>	0	0	1	2	-
138	4.21	Pollution inventory radioactive waste	0	0	0	0	-
Page	Section	Hydrogeology	On site	0-50m	50-250m	250-500m	500-2000m
139	5.1	<u>Superficial aquifer</u>	Identified (within 500m)				
141	5.2	<u>Bedrock aquifer</u>	Identified (within 500m)				
143	5.3	<u>Groundwater vulnerability</u>	Identified (within 50m)				
146	5.4	<u>Groundwater vulnerability- soluble rock risk</u>	Identified (within 0m)				
146	5.5	Groundwater vulnerability- local information	None (within 0m)				
147	5.6	<u>Groundwater abstractions</u>	0	0	0	0	2
148	5.7	<u>Surface water abstractions</u>	0	0	1	0	3
149	5.8	<u>Potable abstractions</u>	0	0	0	0	1
150	5.9	Source Protection Zones	0	0	0	0	-
150	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-
Page	Section	Hydrology	On site	0-50m	50-250m	250-500m	500-2000m
151	6.1	<u>Water Network (OS MasterMap)</u>	3	12	22	-	-



154	6.2	<u>Surface water features</u>	1	6	9	-	-
155	6.3	<u>WFD Surface water body catchments</u>	1	-	-	-	-
155	6.4	<u>WFD Surface water bodies</u>	0	1	1	-	-
156	6.5	<u>WFD Groundwater bodies</u>	1	-	-	-	-
Page	Section	River and coastal flooding	On site	0-50m	50-250m	250-500m	500-2000m
157	7.1	<u>Risk of flooding from rivers and the sea</u>	High (within 50m)				
158	7.2	Historical Flood Events	0	0	0	-	-
158	7.3	Flood Defences	0	0	0	-	-
158	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
158	7.5	Flood Storage Areas	0	0	0	-	-
159	7.6	<u>Flood Zone 2</u>	Identified (within 50m)				
160	7.7	<u>Flood Zone 3</u>	Identified (within 50m)				
Page	Section	Surface water flooding					
161	8.1	<u>Surface water flooding</u>	1 in 30 year, 0.3m - 1.0m (within 50m)				
Page	Section	Groundwater flooding					
163	9.1	<u>Groundwater flooding</u>	Moderate (within 50m)				
Page	Section	Environmental designations	On site	0-50m	50-250m	250-500m	500-2000m
164	10.1	<u>Sites of Special Scientific Interest (SSSI)</u>	1	1	1	1	2
165	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
165	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
165	10.4	Special Protection Areas (SPA)	0	0	0	0	0
166	10.5	National Nature Reserves (NNR)	0	0	0	0	0
166	10.6	<u>Local Nature Reserves (LNR)</u>	0	0	0	0	2
166	10.7	<u>Designated Ancient Woodland</u>	0	0	0	0	1
167	10.8	Biosphere Reserves	0	0	0	0	0
167	10.9	Forest Parks	0	0	0	0	0
167	10.10	Marine Conservation Zones	0	0	0	0	0
167	10.11	<u>Green Belt</u>	1	0	0	0	0
168	10.12	Proposed Ramsar sites	0	0	0	0	0



168	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
168	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
168	10.15	Nitrate Sensitive Areas	0	0	0	0	0
169	10.16	<u>Nitrate Vulnerable Zones</u>	2	0	0	0	1
170	10.17	<u>SSSI Impact Risk Zones</u>	6	-	-	-	-
174	10.18	<u>SSSI Units</u>	1	1	1	1	4
Page	Section	Visual and cultural designations	On site	0-50m	50-250m	250-500m	500-2000m
178	11.1	World Heritage Sites	0	0	0	-	-
178	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
178	11.3	National Parks	0	0	0	-	-
178	11.4	Listed Buildings	0	0	0	-	-
179	11.5	Conservation Areas	0	0	0	-	-
179	11.6	Scheduled Ancient Monuments	0	0	0	-	-
179	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	Agricultural designations	On site	0-50m	50-250m	250-500m	500-2000m
180	12.1	<u>Agricultural Land Classification</u>	Urban (within 250m)				
181	12.2	Open Access Land	0	0	0	-	-
181	12.3	Tree Felling Licences	0	0	0	-	-
181	12.4	Environmental Stewardship Schemes	0	0	0	-	-
181	12.5	Countryside Stewardship Schemes	0	0	0	-	-
Page	Section	Habitat designations	On site	0-50m	50-250m	250-500m	500-2000m
182	13.1	<u>Priority Habitat Inventory</u>	7	8	24	-	-
184	13.2	<u>Habitat Networks</u>	11	5	13	-	-
185	13.3	<u>Open Mosaic Habitat</u>	1	0	4	-	-
186	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
187	14.1	<u>10k Availability</u>	Identified (within 500m)				
188	14.2	Artificial and made ground (10k)	0	0	0	0	-
189	14.3	Superficial geology (10k)	0	0	0	0	-



189	14.4	Landslip (10k)	0	0	0	0	-
190	14.5	Bedrock geology (10k)	0	0	0	0	-
190	14.6	Bedrock faults and other linear features (10k)	0	0	0	0	-
Page	Section	Geology 1:50,000 scale	On site	0-50m	50-250m	250-500m	500-2000m
<u>191</u>	<u>15.1</u>	<u>50k Availability</u>	Identified (within 500m)				
<u>192</u>	<u>15.2</u>	<u>Artificial and made ground (50k)</u>	4	6	5	5	-
<u>193</u>	<u>15.3</u>	<u>Artificial ground permeability (50k)</u>	4	5	-	-	-
<u>195</u>	<u>15.4</u>	<u>Superficial geology (50k)</u>	2	0	0	2	-
<u>196</u>	<u>15.5</u>	<u>Superficial permeability (50k)</u>	Identified (within 50m)				
196	15.6	Landslip (50k)	0	0	0	0	-
196	15.7	Landslip permeability (50k)	None (within 50m)				
<u>197</u>	<u>15.8</u>	<u>Bedrock geology (50k)</u>	1	0	2	4	-
<u>198</u>	<u>15.9</u>	<u>Bedrock permeability (50k)</u>	Identified (within 50m)				
<u>198</u>	<u>15.10</u>	<u>Bedrock faults and other linear features (50k)</u>	0	0	1	1	-
Page	Section	Boreholes	On site	0-50m	50-250m	250-500m	500-2000m
<u>199</u>	<u>16.1</u>	<u>BGS Boreholes</u>	0	2	38	-	-
Page	Section	Natural ground subsidence					
<u>202</u>	<u>17.1</u>	<u>Shrink swell clays</u>	Very low (within 50m)				
<u>204</u>	<u>17.2</u>	<u>Running sands</u>	Very low (within 50m)				
<u>206</u>	<u>17.3</u>	<u>Compressible deposits</u>	Moderate (within 50m)				
<u>208</u>	<u>17.4</u>	<u>Collapsible deposits</u>	Very low (within 50m)				
<u>209</u>	<u>17.5</u>	<u>Landslides</u>	Moderate (within 50m)				
<u>211</u>	<u>17.6</u>	<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
213	18.1	Natural cavities	0	0	0	0	-
<u>214</u>	<u>18.2</u>	<u>BritPits</u>	4	2	3	6	-
<u>216</u>	<u>18.3</u>	<u>Surface ground workings</u>	71	54	108	-	-
<u>225</u>	<u>18.4</u>	<u>Underground workings</u>	6	1	6	6	0
<u>226</u>	<u>18.5</u>	<u>Historical Mineral Planning Areas</u>	2	5	5	6	-



227	18.6	<u>Non-coal mining</u>	1	0	0	2	4
228	18.7	Mining cavities	0	0	0	0	0
228	18.8	<u>JPB mining areas</u>	Identified (within 0m)				
228	18.9	<u>Coal mining</u>	Identified (within 0m)				
229	18.10	Brine areas	None (within 0m)				
229	18.11	Gypsum areas	None (within 0m)				
229	18.12	Tin mining	None (within 0m)				
229	18.13	Clay mining	None (within 0m)				
Page	Section	Radon					
230	19.1	<u>Radon</u>	Less than 1% (within 0m)				
Page	Section	Soil chemistry	On site	0-50m	50-250m	250-500m	500-2000m
231	20.1	<u>BGS Estimated Background Soil Chemistry</u>	15	6	-	-	-
232	20.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
232	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
233	21.1	Underground railways (London)	0	0	0	-	-
233	21.2	Underground railways (Non-London)	0	0	0	-	-
234	21.3	Railway tunnels	0	0	0	-	-
234	21.4	<u>Historical railway and tunnel features</u>	25	19	47	-	-
237	21.5	Royal Mail tunnels	0	0	0	-	-
238	21.6	<u>Historical railways</u>	1	0	0	-	-
238	21.7	Railways	0	0	0	-	-
238	21.8	Crossrail 1	0	0	0	0	-
238	21.9	Crossrail 2	0	0	0	0	-
239	21.10	HS2	0	0	0	0	-



Recent aerial photograph



Capture Date: 16/04/2020

Site Area: 22.94ha



Recent site history - 2019 aerial photograph



Capture Date: 08/09/2019

Site Area: 22.94ha



Contact us with any questions at:

info@groundsure.com

08444 159 000

Date: 9 February 2022

Recent site history - 2016 aerial photograph



Capture Date: 13/04/2016

Site Area: 22.94ha



Contact us with any questions at:

info@groundsure.com

08444 159 000

Date: 9 February 2022

Recent site history - 2010 aerial photograph



Capture Date: 23/05/2010

Site Area: 22.94ha



Contact us with any questions at:

info@groundsure.com

08444 159 000

Date: 9 February 2022

Recent site history - 1999 aerial photograph

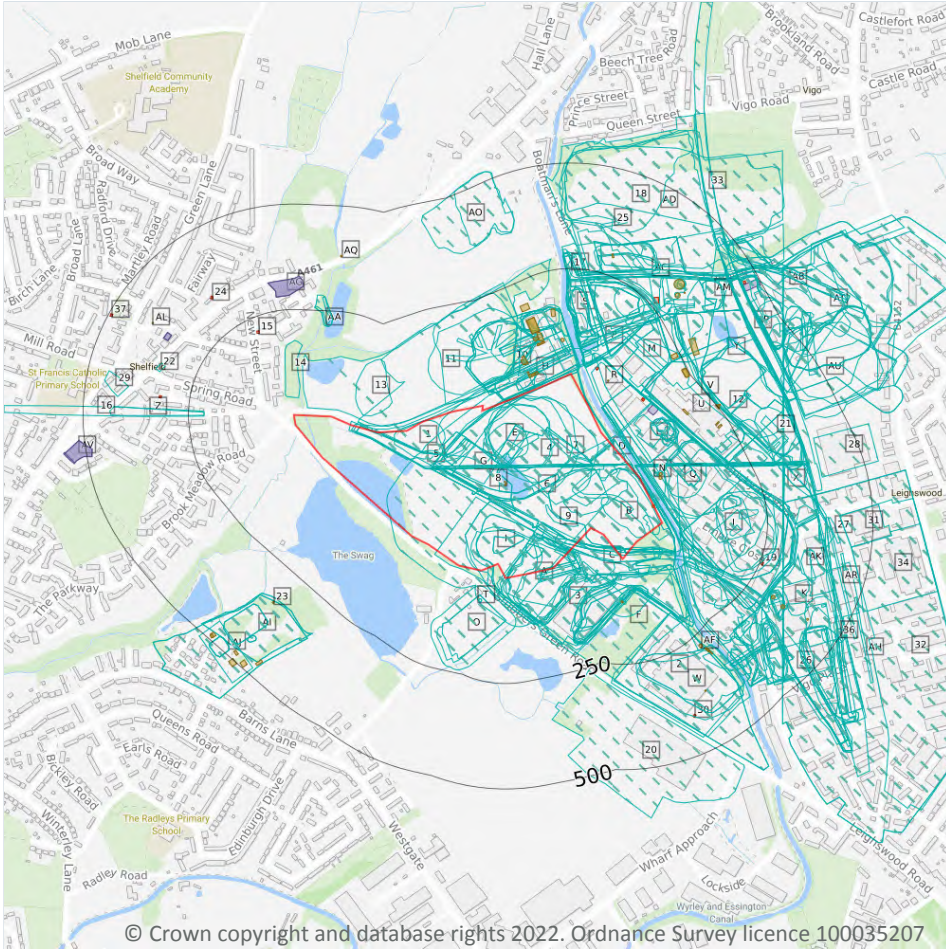


Capture Date: 01/09/1999

Site Area: 22.94ha



1 Past land use



— Site Outline

Search buffers in metres (m)

- Historical industrial land uses
- Historical tanks
- Historical energy features
- Historical garages

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1.1 Historical industrial land uses

Records within 500m **352**

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 13**

ID	Location	Land use	Dates present	Group ID
1	On site	Unspecified Heap	1980	1568007



ID	Location	Land use	Dates present	Group ID
2	On site	Refuse Heaps	1955	1573217
3	On site	Unspecified Works	1990	1598029
4	On site	Unspecified Works	1955	1614721
5	On site	Railway Sidings	1901	1623581
6	On site	Clay Pit	1990	1682106
7	On site	Railway Sidings	1921	1694381
8	On site	Railway Sidings	1955	1741898
9	On site	Unspecified Pit	1921	1747808
10	On site	Mineral Railway Sidings	1921	1747871
A	On site	Sand Pit	1901	1563254
A	On site	Refuse Heap	1921	1624785
A	On site	Unspecified Heap	1980	1668271
A	On site	Disused Colliery	1913	1671441
A	On site	Unspecified Ground Workings	1980	1681943
A	On site	Unspecified Ground Workings	1885	1694765
A	On site	Unspecified Heap	1883	1698567
A	On site	Refuse Heap	1913	1713451
A	On site	Unspecified Heap	1971	1719685
A	On site	Unspecified Ground Workings	1885	1720484
A	On site	Refuse Heap	1938	1734723
A	On site	Unspecified Heap	1955	1738760
A	On site	Colliery	1883	1742727
B	On site	Unspecified Heap	1901	1568006
B	On site	Tramway Sidings	1901	1586734
B	On site	Unspecified Tank	1885	1591932
B	On site	Refuse Heap	1955	1596109
B	On site	Unspecified Ground Workings	1921	1627475
B	On site	Unspecified Pit	1901 - 1913	1646241



ID	Location	Land use	Dates present	Group ID
B	On site	Unspecified Pit	1938	1654394
B	On site	Brick and Tile Works	1883 - 1885	1656117
B	On site	Disused Brick and Tile Works	1938	1662325
B	On site	Railway Sidings	1901	1677884
B	On site	Unspecified Works	1901	1684857
B	On site	Disused Brick and Tile Works	1913	1695606
B	On site	Unspecified Ground Workings	1955	1699592
B	On site	Railway Sidings	1955	1714512
B	On site	Disused Brick and Tile Works	1921	1744302
C	On site	Tramway Sidings	1901	1586733
C	On site	Colliery	1885 - 1901	1651313
C	On site	Railway Sidings	1921	1671702
C	On site	Railway Sidings	1938	1745389
C	On site	Railway Sidings	1913	1746739
D	On site	Unspecified Tank	1888	1591920
D	On site	Unspecified Pit	1921	1623382
D	On site	Brick and Tile Works	1888	1649436
E	On site	Unspecified Ground Workings	1888	1564637
E	On site	Railway Sidings	1921	1613813
E	On site	Railway Sidings	1913	1621568
E	On site	Unspecified Works	1921	1628233
E	On site	Railway Sidings	1921 - 1938	1651881
E	On site	Unspecified Works	1938	1656267
E	On site	Railway Sidings	1938	1703978
E	On site	Unspecified Works	1915	1713402
E	On site	Clay Pit	1971	1715031
E	On site	Unspecified Works	1901	1725974
E	On site	Unspecified Pit	1938 - 1955	1733314



ID	Location	Land use	Dates present	Group ID
E	On site	Railway Sidings	1901	1735281
E	On site	Railway Sidings	1915	1740840
E	On site	Unspecified Pit	1921	1746069
E	On site	Unspecified Pit	1901 - 1915	1746130
E	On site	Unspecified Pit	1921	1748068
E	On site	Unspecified Pit	1980	1748209
F	On site	Disused Colliery	1955	1617006
F	On site	Disused Colliery	1921 - 1938	1708501
G	On site	Unspecified Works	1971	1633333
G	On site	Unspecified Works	1980	1690288
H	On site	Brick Works	1883 - 1888	1636793
H	On site	Unspecified Works	1955	1704015
H	On site	Unspecified Works	1921 - 1938	1748864
I	On site	Unspecified Ground Workings	1980	1686765
I	On site	Unspecified Ground Workings	1971	1696075
H	3m N	Unspecified Works	1901 - 1915	1725973
H	3m NW	Refuse Heap	1921	1625857
H	6m NW	Unspecified Pit	1883	1607845
J	6m NE	Brick and Tile Works	1913 - 1921	1728186
K	6m NE	Railway Sidings	1921	1658304
K	6m NE	Railway Sidings	1913	1748262
H	6m N	Unspecified Works	1990	1735915
H	13m NW	Refuse Heap	1915	1690801
H	13m NW	Refuse Heap	1938	1718496
11	15m N	Refuse Heap	1990	1595965
12	17m NE	Unspecified Works	1901	1662681
J	17m NE	Brick and Tile Works	1938	1745592
K	17m NE	Tramway Sidings	1901	1709496



ID	Location	Land use	Dates present	Group ID
L	19m NE	Unspecified Works	1915	1633748
L	19m NE	Unspecified Works	1938	1651509
L	19m NE	Railway Sidings	1938	1682181
L	19m NE	Railway Sidings	1915	1734747
H	20m N	Unspecified Pit	1980	1713479
M	22m NE	Railway Sidings	1888	1734594
L	23m NE	Unspecified Works	1921	1676159
J	23m NE	Industrial Park	1990	1578864
H	26m N	Mineral Railway Sidings	1938	1672833
H	26m N	Mineral Railway Sidings	1915	1743730
H	27m N	Railway Sidings	1901	1627805
J	28m NE	Unspecified Pit	1921	1636117
13	30m N	Unspecified Pit	1980	1607608
F	32m S	Refuse Heap	1938	1683243
F	32m S	Refuse Heap	1913	1690234
N	34m NE	Unspecified Tank	1921	1591931
H	35m N	Unspecified Pit	1955	1734323
F	36m S	Unspecified Heap	1901	1642940
O	37m S	Sewage Farm	1955	1641332
M	37m NE	Unspecified Works	1938	1633672
M	37m NE	Railway Sidings	1938	1646264
M	37m NE	Railway Sidings	1901	1647850
M	37m NE	Unspecified Works	1915	1649164
M	37m NE	Railway Sidings	1915	1724728
P	37m NE	Railway Sidings	1883	1747519
M	38m NE	Mineral Railway Sidings	1921	1602422
P	38m NE	Colliery	1921	1712080
J	41m NE	Unspecified Pits	1938	1576726



ID	Location	Land use	Dates present	Group ID
14	41m N	Unspecified Heap	1990	1568008
J	42m E	Unspecified Warehouses	1980	1577718
N	44m NE	Unspecified Tank	1901 - 1913	1623526
N	44m NE	Unspecified Tank	1938	1717681
H	45m NW	Unspecified Works	1971	1725431
H	46m NW	Unspecified Works	1980	1708187
F	46m S	Refuse Heap	1921	1722870
H	46m N	Unspecified Pit	1921	1748463
H	50m N	Unspecified Pit	1938	1642234
H	50m N	Unspecified Pit	1915	1695034
J	51m SE	Brick and Tile Works	1885	1639202
Q	51m NE	Unspecified Pit	1901	1639334
J	54m SE	Brick and Tile Works	1883	1630973
P	55m NE	Colliery	1915	1638802
P	55m NE	Colliery	1938	1736925
O	57m S	Sewage Farm	1913	1678557
O	57m S	Sewage Farm	1921 - 1938	1717340
F	58m S	Unspecified Heap	1883	1721801
L	60m NE	Unspecified Depot	1990	1583239
F	61m S	Unspecified Ground Workings	1885	1564639
C	63m SW	Unspecified Shaft	1883 - 1885	1702009
F	65m S	Unspecified Heap	1971	1708723
F	65m S	Unspecified Heap	1980	1715207
K	66m SE	Unspecified Depot	1990	1583237
S	66m NE	Refuse Heap	1921	1723510
S	66m N	Unspecified Wharf	1888	1687286
T	67m S	Unspecified Tank	1913	1635910
T	67m S	Unspecified Tank	1938	1659650



ID	Location	Land use	Dates present	Group ID
S	68m N	Refuse Heaps	1955	1573219
P	70m N	Refuse Heap	1915	1711886
Q	71m NE	Unspecified Pit	1901 - 1915	1643880
S	73m N	Unspecified Wharf	1883	1713893
H	74m NW	Unspecified Pit	1901	1711381
P	79m N	Refuse Heap	1901	1696866
Q	79m NE	Railway Sidings	1921 - 1938	1650474
Q	79m NE	Railway Sidings	1913	1722161
M	83m NE	Unspecified Works	1921 - 1971	1622184
Q	84m NE	Railway Sidings	1901	1665663
H	89m N	Refuse Heap	1938	1656345
H	89m N	Refuse Heap	1915	1658106
S	91m N	Refuse Heap	1938	1679692
S	91m N	Refuse Heap	1915	1741076
F	92m S	Unspecified Tank	1901 - 1913	1620977
F	92m S	Unspecified Tank	1938	1716963
Q	92m NE	Railway Sidings	1901	1736401
L	95m NE	Unspecified Pit	1883	1607844
L	96m NE	Unspecified Ground Workings	1888	1564636
L	96m NE	Refuse Heap	1915	1723326
L	96m NE	Refuse Heap	1938	1747840
K	97m SE	Railway Sidings	1883	1739008
S	98m N	Brick Yards	1901	1600173
S	98m N	Refuse Heap	1901	1642188
J	100m NE	Railway Sidings	1938 - 1955	1746662
H	100m NW	Railway Sidings	1938	1653377
H	100m NW	Railway Sidings	1915	1745235
F	101m S	Unspecified Tank	1955	1591921



ID	Location	Land use	Dates present	Group ID
L	102m NE	Refuse Heap	1921	1615048
M	103m NE	Colliery	1888	1700870
P	105m NE	Colliery	1883	1663689
P	105m NE	Colliery	1901	1673245
Q	105m NE	Unspecified Pit	1938	1640673
H	107m NW	Railway Sidings	1955	1639340
K	108m SE	Refuse Heap	1921	1672809
K	111m SE	Colliery	1938	1665550
M	115m NE	Unspecified Works	1990	1639757
H	116m N	Refuse Heap	1921	1665406
J	118m E	Railway Sidings	1901	1560684
H	122m N	Refuse Heaps	1955	1573218
P	128m NE	Refuse Heap	1921	1616647
J	130m E	Unspecified Pit	1901	1657442
U	136m NE	Unspecified Works	1980	1724971
V	136m NE	Unspecified Commercial/Industrial	1883	1642129
J	138m E	Unspecified Heap	1921	1727903
P	146m NE	Refuse Heap	1915	1715235
P	146m NE	Refuse Heap	1938	1725353
J	150m E	Unspecified Heap	1913	1623589
J	150m E	Unspecified Heap	1938	1672088
K	157m SE	Refuse Heap	1938	1699449
J	163m E	Unspecified Ground Workings	1921	1564643
W	170m SE	Unspecified Works	1980 - 1990	1650366
W	170m SE	Unspecified Works	1971	1671019
P	178m NE	Unspecified Ground Workings	1883 - 1888	1737436
J	184m E	Unspecified Ground Workings	1921	1564644
K	184m SE	Refuse Heaps	1955	1573232



ID	Location	Land use	Dates present	Group ID
P	186m NE	Unspecified Heap	1955	1568005
K	196m NE	Tramway Sidings	1921	1643118
X	200m NE	Unspecified Commercial/Industrial	1901 - 1913	1735836
X	201m NE	Unspecified Commercial/Industrial	1938	1663285
Y	202m NE	Clay Pit	1990	1595604
Z	213m W	Cuttings	1883	1695361
16	213m W	Cuttings	1883 - 1888	1661847
AA	213m N	Unspecified Ground Workings	1888	1564634
AA	214m N	Unspecified Pit	1883	1607610
17	219m N	Unspecified Wharf	1883 - 1888	1634276
AB	219m N	Railway Sidings	1888	1669578
AC	222m N	Tramway Sidings	1901	1586742
W	237m S	Refuse Heap	1938	1657018
W	237m S	Refuse Heap	1913	1741445
18	238m N	Unspecified Works	1955	1740513
AC	241m N	Unspecified Works	1971	1692245
W	242m S	Refuse Heap	1921	1728536
AC	245m N	Unspecified Works	1980	1640806
AD	245m N	Disused Clay Pit	1990	1588986
M	246m NE	Unspecified Ground Workings	1883 - 1888	1623366
Y	250m NE	Unspecified Pits	1955	1688327
AE	253m NE	Unspecified Pit	1901	1748174
AE	253m NE	Unspecified Ground Workings	1915	1693144
AE	253m NE	Unspecified Ground Workings	1938	1731357
AC	255m N	Refuse Heap	1921	1649982
20	257m S	Unspecified Commercial/Industrial	1990	1562653
AE	257m NE	Unspecified Pits	1921	1673281
AC	271m N	Refuse Heap	1915	1626652



ID	Location	Land use	Dates present	Group ID
AC	271m N	Refuse Heap	1938	1740385
P	275m NE	Unspecified Shaft	1883 - 1888	1676511
AH	287m E	Industrial Estate	1982	1625828
AH	287m E	Industrial Estate	1992	1628492
K	288m E	Disused Colliery	1954	1589346
X	288m E	Railway Sidings	1954	1613666
X	294m E	Unspecified Works	1972	1598076
M	294m NE	Magazine	1883 - 1888	1681251
AC	299m NE	Unspecified Heap	1955	1568001
K	302m SE	Unspecified Ground Workings	1921	1564645
21	302m NE	Unspecified Pit	1883 - 1888	1721794
K	303m SE	Unspecified Pit	1955	1607846
K	303m SE	Colliery	1921	1655634
K	303m SE	Colliery	1901	1741948
K	304m SE	Refuse Heap	1921	1648641
K	304m SE	Refuse Heap	1901	1684835
K	304m SE	Refuse Heap	1938	1731110
X	307m NE	Unspecified Pit	1901	1616342
K	307m SE	Colliery	1883 - 1885	1726447
K	308m SE	Refuse Heap	1913	1662150
P	309m NE	Unspecified Tank	1990	1591930
K	311m SE	Unspecified Heap	1901	1708036
K	315m SE	Refuse Heap	1921	1672233
K	317m SE	Unspecified Tank	1883 - 1885	1683629
K	317m SE	Unspecified Depot	1980	1583236
AD	317m NE	Clay Pit	1980	1622808
K	321m SE	Unspecified Heap	1955	1685024
K	321m SE	Refuse Heap	1955	1744242



ID	Location	Land use	Dates present	Group ID
AI	322m SW	Sewage Farm	1901 - 1913	1641533
AI	322m SW	Sewage Farm	1921 - 1938	1703488
P	323m NE	Unspecified Tank	1883	1730543
K	323m SE	Unspecified Warehouses	1982	1577717
X	324m NE	Unspecified Pit	1921 - 1938	1628095
X	324m NE	Unspecified Pit	1913	1724599
AJ	326m SW	Sewage Works	1971	1674018
AJ	326m SW	Sewage Works	1980	1700923
22	326m W	Smithy	1901	1612465
P	327m NE	Unspecified Tank	1915	1634765
P	327m NE	Unspecified Tank	1938	1648836
K	331m SE	Refuse Heap	1938	1702305
K	334m SE	Refuse Heap	1938	1673915
K	335m SE	Refuse Heap	1921	1684587
K	336m SE	Refuse Heap	1921	1666383
K	337m SE	Refuse Heap	1901	1712248
K	338m SE	Refuse Heap	1901 - 1913	1695231
AK	341m E	Refuse Heap	1954	1596112
AM	349m NE	Refuse Heap	1915	1636739
AM	349m NE	Refuse Heap	1938	1748747
K	349m SE	Unspecified Tank	1883 - 1885	1622165
K	349m SE	Unspecified Heap	1971	1568024
AM	353m NE	Refuse Heap	1921	1714363
AN	353m N	Unspecified Pits	1955	1576724
K	353m SE	Refuse Heap	1901	1635133
K	354m SE	Refuse Heap	1955	1695130
25	354m N	Railway Sidings	1955	1560682
AK	355m E	Unspecified Pit	1972	1607847



ID	Location	Land use	Dates present	Group ID
AO	363m NW	Unspecified Pits	1980	1576727
AI	365m SW	Filter Beds	1980	1684056
AI	365m SW	Filter Beds	1971	1711686
K	366m SE	Unspecified Heap	1955	1568025
AO	366m NW	Clay Pit	1971	1595606
AP	371m E	Cuttings	1883 - 1888	1742806
26	380m SE	Railway Sidings	1954	1613667
AN	385m N	Clay Pit	1971	1723781
AR	389m E	Railway Sidings	1885	1711179
27	394m E	Unspecified Ground Workings	1921	1564646
K	394m SE	Refuse Heap	1954	1705407
AS	395m NE	Cuttings	1915	1619897
AS	395m NE	Cuttings	1938	1641624
28	395m E	Unspecified Depot	1982	1583262
AS	396m NE	Cuttings	1955	1694115
AS	398m NE	Cuttings	1921	1623050
29	398m W	Smithy	1901	1612464
AT	402m NE	Tileries	1915	1623174
AT	402m NE	Tileries	1938	1697738
AT	403m NE	Railway Sidings	1883	1742657
K	409m SE	Railway Sidings	1885	1653655
K	410m SE	Refuse Heap	1921	1596114
AU	413m NE	Refuse Heap	1982	1596110
AT	414m NE	Brick and Tile Works	1954	1658934
K	415m SE	Unspecified Ground Workings	1972	1564649
AU	417m NE	Unspecified Works	1972	1614839
AU	418m NE	Unspecified Pits	1954	1650450
K	421m SE	Refuse Heap	1921	1659494



ID	Location	Land use	Dates present	Group ID
31	422m E	Unspecified Depot	1972	1583263
32	422m E	Industrial Estate	1972	1736326
AT	423m NE	Brick and Tile Works	1888	1636934
K	423m SE	Refuse Heap	1913	1674844
K	423m SE	Refuse Heap	1938	1675576
K	423m SE	Unspecified Shaft	1883 - 1885	1646047
K	423m SE	Refuse Heap	1901	1633199
AI	423m SW	Unspecified Pit	1901 - 1913	1691175
AI	423m SW	Unspecified Pit	1921 - 1938	1746764
K	425m SE	Magazine	1883 - 1885	1700232
AT	427m NE	Brick and Tile Works	1883	1709084
K	429m SE	Gravel Pit	1954	1572480
AR	430m E	Unspecified Ground Workings	1921	1564647
AU	431m NE	Unspecified Pit	1972	1737909
K	433m SE	Railway Building	1883 - 1885	1690316
AS	440m NE	Refuse Heaps	1955	1573231
AS	441m NE	Refuse Heap	1938	1676970
33	441m NE	Cuttings	1883	1736968
AU	444m NE	Unspecified Pit	1888 - 1901	1690096
AS	444m NE	Refuse Heap	1915	1693402
AU	445m NE	Unspecified Pit	1883	1696486
AS	446m NE	Refuse Heap	1921	1680466
AT	446m NE	Tileries	1901	1724094
AT	446m NE	Tileries	1921	1745079
AU	447m NE	Unspecified Ground Workings	1915	1689171
AU	447m NE	Unspecified Ground Workings	1938	1733443
AU	449m NE	Unspecified Pits	1921	1656856
34	452m E	Unspecified Factory	1972 - 1982	1673035



ID	Location	Land use	Dates present	Group ID
AJ	452m SW	Sewage Works	1955	1671213
AB	453m NE	Unspecified Works	1990	1598074
AP	454m NE	Railway Sidings	1901	1725299
AP	460m NE	Unspecified Works	1980	1643509
35	468m NE	Railway Sidings	1954 - 1955	1650152
AU	470m NE	Railway Sidings	1954	1734895
AT	474m NE	Unspecified Works	1992	1725374
AJ	476m SW	Unspecified Tanks	1955	1580017
AJ	476m SW	Filter Beds	1971	1622700
AJ	476m SW	Filter Beds	1980	1696493
AP	479m NE	Unspecified Works	1971	1711431
AU	487m NE	Railway Sidings	1915	1699560
36	487m SE	Unspecified Heap	1972	1568023
AH	490m E	Unspecified Ground Workings	1921	1564648
K	494m SE	Refuse Heap	1921	1690372

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m

55

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

Features are displayed on the Past land use map on **page 13**

ID	Location	Land use	Dates present	Group ID
B	On site	Unspecified Tank	1886	250738
E	On site	Unspecified Tank	1902 - 1914	268143
E	On site	Unspecified Tank	1968	279100



ID	Location	Land use	Dates present	Group ID
H	31m NW	Tanks	1992	270494
H	31m NW	Tanks	1980 - 1987	269237
N	41m NE	Unspecified Tank	1902	250737
N	45m NE	Unspecified Tank	1914	250736
H	63m NW	Tanks	1980 - 1992	263994
R	69m NE	Unspecified Tank	1988	267522
R	69m NE	Unspecified Tank	1989	271827
R	70m NE	Unspecified Tank	1992	267684
H	79m N	Unspecified Tank	1992	250744
H	93m NW	Tanks	1992	274586
H	93m NW	Tanks	1980 - 1987	266026
H	98m NW	Tanks	1980 - 1992	267271
F	100m S	Unspecified Tank	1902 - 1938	270059
H	105m NW	Tanks	1980 - 1992	271190
H	124m NW	Tanks	1992	276665
H	124m NW	Tanks	1980 - 1987	270962
H	142m N	Tanks	1992	259539
H	181m NW	Tanks	1980 - 1992	272132
U	182m NE	Tanks	1977 - 1992	269666
V	220m NE	Tanks	1977	259538
V	221m NE	Tanks	1977 - 1992	265329
M	229m NE	Unspecified Tank	1977 - 1992	278724
M	236m NE	Tanks	1977 - 1989	271486
M	237m NE	Tanks	1992	271520
V	248m NE	Tanks	1988 - 1989	275993
V	249m NE	Tanks	1977 - 1992	276927
V	255m NE	Tanks	1977 - 1992	275108
AF	273m SE	Unspecified Tank	1987 - 1992	263427



ID	Location	Land use	Dates present	Group ID
M	277m NE	Tanks	1919	259540
AF	289m SE	Unspecified Tank	1987	250741
AF	291m SE	Tanks	1992	259533
AC	293m N	Unspecified Tank	1969	250745
P	308m NE	Unspecified Tank	1989 - 1992	266413
K	312m SE	Unspecified Tank	1886	250739
P	321m NE	Unspecified Tank	1902	250751
P	330m NE	Unspecified Tank	1977	250754
23	332m SW	Unspecified Tank	1902	250743
K	344m SE	Unspecified Tank	1886	250740
W	367m SE	Unspecified Tank	1968	278980
AQ	379m N	Unspecified Tank	1992	270689
AQ	380m N	Unspecified Tank	1970	263709
AQ	380m N	Unspecified Tank	1962	273203
AQ	380m N	Unspecified Tank	1961	274462
AQ	380m N	Unspecified Tank	1969	277992
AL	397m NW	Unspecified Tank	1884	250809
K	412m SE	Unspecified Tank	1914	250735
AJ	456m SW	Unspecified Tank	1902 - 1938	268634
AJ	479m SW	Tanks	1968 - 1970	277338
AJ	481m SW	Tanks	1968 - 1970	271909
AJ	483m SW	Unspecified Tank	1968 - 1970	264945
AJ	487m SW	Unspecified Tank	1938	250730
AJ	497m SW	Tanks	1968 - 1970	271160

This data is sourced from Ordnance Survey / Groundsure.



1.3 Historical energy features

Records within 500m

12

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

Features are displayed on the Past land use map on **page 13**

ID	Location	Land use	Dates present	Group ID
R	58m NE	Electricity Substation	1992	159446
R	58m NE	Electricity Substation	1988 - 1989	158991
L	120m NE	Electricity Substation	1977 - 1989	155428
L	121m NE	Electricity Substation	1992	163497
15	210m NW	Electricity Substation	1975 - 1994	150851
19	252m SE	Electricity Substation	1987 - 1992	153675
P	260m NE	Electricity Substation	1977 - 1992	160659
Z	317m W	Electricity Substation	1975 - 1994	158572
24	336m NW	Electricity Substation	1975 - 1994	167163
30	406m SE	Electricity Substation	1968 - 1993	152846
AB	463m NE	Electricity Substation	1977 - 1992	164363
37	490m NW	Electricity Substation	1969 - 1990	157297

This data is sourced from Ordnance Survey / Groundsure.

1.4 Historical petrol stations

Records within 500m

0

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

This data is sourced from Ordnance Survey / Groundsure.



1.5 Historical garages

Records within 500m

8

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

Features are displayed on the Past land use map on **page 13**

ID	Location	Land use	Dates present	Group ID
L	118m NE	Garage	1988	47188
AG	282m N	Garage	1962	48993
AG	283m N	Garage	1961 - 1969	53998
AL	346m NW	Garage	1980 - 1990	52247
AL	346m NW	Garage	1975	49491
AB	454m NE	Garage	1988	47189
AV	485m W	Garage	1980 - 1990	52389
AV	485m W	Garage	1961 - 1970	53347

This data is sourced from Ordnance Survey / Groundsure.

1.6 Historical military land

Records within 500m

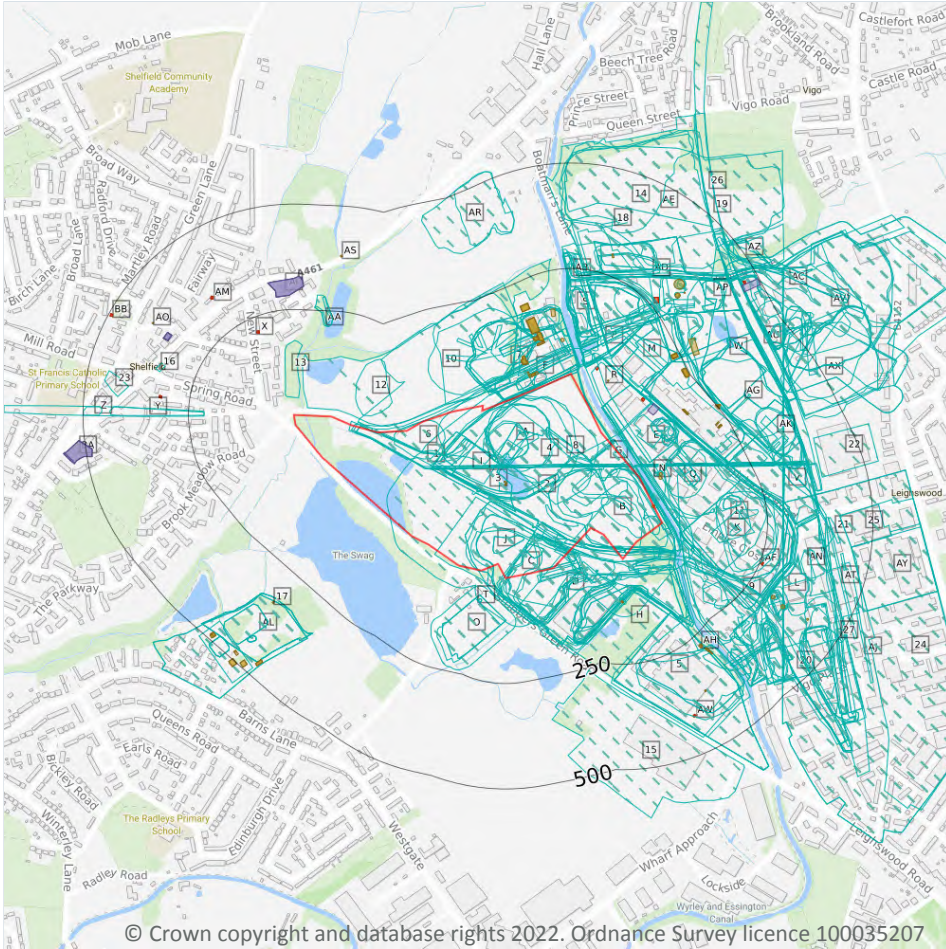
0

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

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







2 Past land use - un-grouped



Site Outline

Search buffers in metres (m)

-  Historical industrial land uses
-  Historical tanks
-  Historical energy features
-  Historical garages

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2.1 Historical industrial land uses

Records within 500m

402

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 31**

ID	Location	Land Use	Date	Group ID
1	On site	Railway Sidings	1901	1623581
2	On site	Clay Pit	1990	1682106
3	On site	Railway Sidings	1955	1741898

ID	Location	Land Use	Date	Group ID
4	On site	Unspecified Works	1955	1614721
5	On site	Refuse Heaps	1955	1573217
6	On site	Unspecified Heap	1980	1568007
7	On site	Mineral Railway Sidings	1921	1747871
8	On site	Railway Sidings	1921	1694381
A	On site	Unspecified Pit	1938	1733314
A	On site	Unspecified Pit	1915	1746130
A	On site	Unspecified Pit	1901	1746130
A	On site	Unspecified Works	1938	1656267
A	On site	Railway Sidings	1938	1703978
A	On site	Railway Sidings	1915	1740840
A	On site	Unspecified Works	1915	1713402
A	On site	Unspecified Works	1901	1725974
A	On site	Railway Sidings	1938	1651881
A	On site	Railway Sidings	1913	1621568
A	On site	Railway Sidings	1901	1735281
A	On site	Clay Pit	1971	1715031
A	On site	Unspecified Ground Workings	1888	1564637
A	On site	Unspecified Pit	1955	1733314
A	On site	Unspecified Pit	1980	1748209
A	On site	Unspecified Works	1921	1628233
A	On site	Unspecified Pit	1921	1748068
A	On site	Railway Sidings	1921	1613813
A	On site	Unspecified Pit	1921	1746069
A	On site	Railway Sidings	1921	1651881
B	On site	Unspecified Pit	1938	1654394
B	On site	Unspecified Pit	1913	1646241
B	On site	Unspecified Pit	1901	1646241



ID	Location	Land Use	Date	Group ID
B	On site	Unspecified Heap	1901	1568006
B	On site	Brick and Tile Works	1883	1656117
B	On site	Unspecified Works	1901	1684857
B	On site	Railway Sidings	1901	1677884
B	On site	Tramway Sidings	1901	1586734
B	On site	Disused Brick and Tile Works	1938	1662325
B	On site	Disused Brick and Tile Works	1913	1695606
B	On site	Brick and Tile Works	1885	1656117
B	On site	Unspecified Tank	1885	1591932
B	On site	Railway Sidings	1955	1714512
B	On site	Unspecified Ground Workings	1955	1699592
B	On site	Refuse Heap	1955	1596109
B	On site	Unspecified Ground Workings	1921	1627475
B	On site	Disused Brick and Tile Works	1921	1744302
B	On site	Unspecified Pit	1921	1747808
C	On site	Refuse Heap	1938	1734723
C	On site	Disused Colliery	1938	1708501
C	On site	Disused Colliery	1913	1671441
C	On site	Refuse Heap	1913	1713451
C	On site	Colliery	1883	1742727
C	On site	Unspecified Heap	1883	1698567
C	On site	Unspecified Ground Workings	1885	1720484
C	On site	Unspecified Ground Workings	1885	1694765
C	On site	Unspecified Heap	1955	1738760
C	On site	Unspecified Heap	1980	1668271
C	On site	Unspecified Ground Workings	1980	1681943
C	On site	Unspecified Heap	1971	1719685
C	On site	Refuse Heap	1921	1624785



ID	Location	Land Use	Date	Group ID
C	On site	Sand Pit	1901	1563254
D	On site	Colliery	1901	1651313
D	On site	Railway Sidings	1938	1745389
D	On site	Railway Sidings	1913	1746739
D	On site	Tramway Sidings	1901	1586733
D	On site	Colliery	1885	1651313
D	On site	Unspecified Works	1990	1598029
D	On site	Railway Sidings	1921	1671702
E	On site	Brick and Tile Works	1883	1656117
F	On site	Brick Works	1883	1636793
F	On site	Unspecified Works	1955	1704015
F	On site	Unspecified Works	1921	1748864
G	On site	Brick and Tile Works	1888	1649436
G	On site	Unspecified Tank	1888	1591920
G	On site	Unspecified Pit	1921	1623382
H	On site	Disused Colliery	1955	1617006
H	On site	Disused Colliery	1921	1708501
I	On site	Unspecified Works	1980	1690288
I	On site	Unspecified Works	1971	1633333
J	On site	Unspecified Ground Workings	1980	1686765
J	On site	Unspecified Ground Workings	1971	1696075
F	0m N	Brick Works	1888	1636793
F	3m N	Unspecified Works	1938	1748864
F	3m N	Unspecified Works	1915	1725973
F	3m N	Unspecified Works	1901	1725973
F	3m NW	Refuse Heap	1921	1625857
F	6m NW	Unspecified Pit	1883	1607845
9	6m NE	Railway Sidings	1921	1658304



ID	Location	Land Use	Date	Group ID
K	6m NE	Brick and Tile Works	1921	1728186
F	6m N	Unspecified Works	1990	1735915
F	13m NW	Refuse Heap	1938	1718496
F	13m NW	Refuse Heap	1915	1690801
10	15m N	Refuse Heap	1990	1595965
K	17m NE	Brick and Tile Works	1938	1745592
K	17m NE	Brick and Tile Works	1913	1728186
K	17m NE	Brick and Tile Works	1913	1728186
K	17m NE	Unspecified Works	1901	1662681
L	17m NE	Tramway Sidings	1901	1709496
E	19m NE	Unspecified Works	1938	1651509
E	19m NE	Railway Sidings	1938	1682181
E	19m NE	Unspecified Works	1915	1633748
E	19m NE	Railway Sidings	1915	1734747
E	19m NE	Unspecified Works	1901	1662681
F	20m N	Unspecified Pit	1980	1713479
M	22m NE	Railway Sidings	1888	1734594
E	23m NE	Unspecified Works	1921	1676159
11	23m NE	Industrial Park	1990	1578864
F	26m N	Mineral Railway Sidings	1938	1672833
F	26m N	Mineral Railway Sidings	1915	1743730
F	27m N	Railway Sidings	1901	1627805
K	28m NE	Unspecified Pit	1921	1636117
12	30m N	Unspecified Pit	1980	1607608
H	32m S	Refuse Heap	1938	1683243
H	32m S	Refuse Heap	1913	1690234
N	34m NE	Unspecified Tank	1921	1591931
F	35m N	Unspecified Pit	1955	1734323



ID	Location	Land Use	Date	Group ID
H	36m S	Unspecified Heap	1901	1642940
O	37m S	Sewage Farm	1955	1641332
M	37m NE	Unspecified Works	1938	1633672
M	37m NE	Railway Sidings	1938	1646264
M	37m NE	Railway Sidings	1915	1724728
M	37m NE	Unspecified Works	1915	1649164
M	37m NE	Railway Sidings	1901	1647850
P	37m NE	Railway Sidings	1883	1747519
M	38m NE	Mineral Railway Sidings	1921	1602422
P	38m NE	Colliery	1921	1712080
K	41m NE	Unspecified Pits	1938	1576726
13	41m N	Unspecified Heap	1990	1568008
K	42m E	Unspecified Warehouses	1980	1577718
N	44m NE	Unspecified Tank	1938	1717681
N	44m NE	Unspecified Tank	1913	1623526
N	44m NE	Unspecified Tank	1901	1623526
F	45m NW	Unspecified Works	1971	1725431
F	46m NW	Unspecified Works	1980	1708187
H	46m S	Refuse Heap	1921	1722870
F	46m N	Unspecified Pit	1921	1748463
F	50m N	Unspecified Pit	1938	1642234
F	50m N	Unspecified Pit	1915	1695034
K	51m SE	Brick and Tile Works	1885	1639202
Q	51m NE	Unspecified Pit	1901	1639334
K	54m SE	Brick and Tile Works	1883	1630973
P	55m NE	Colliery	1938	1736925
P	55m NE	Colliery	1915	1638802
O	57m S	Sewage Farm	1938	1717340



ID	Location	Land Use	Date	Group ID
O	57m S	Sewage Farm	1913	1678557
H	58m S	Unspecified Heap	1883	1721801
E	60m NE	Unspecified Depot	1990	1583239
H	61m S	Unspecified Ground Workings	1885	1564639
D	63m SW	Unspecified Shaft	1883	1702009
H	65m S	Unspecified Heap	1980	1715207
H	65m S	Unspecified Heap	1971	1708723
D	66m SW	Unspecified Shaft	1885	1702009
L	66m SE	Unspecified Depot	1990	1583237
S	66m NE	Refuse Heap	1921	1723510
S	66m N	Unspecified Wharf	1888	1687286
T	67m S	Unspecified Tank	1938	1659650
T	67m S	Unspecified Tank	1913	1635910
O	67m S	Sewage Farm	1921	1717340
S	68m N	Refuse Heaps	1955	1573219
P	70m N	Refuse Heap	1915	1711886
Q	71m NE	Unspecified Pit	1901	1643880
S	73m N	Unspecified Wharf	1883	1713893
F	74m NW	Unspecified Pit	1901	1711381
Q	75m NE	Unspecified Pit	1921	1636117
P	79m N	Refuse Heap	1901	1696866
Q	79m NE	Railway Sidings	1921	1650474
M	83m NE	Unspecified Works	1955	1622184
M	83m NE	Unspecified Works	1971	1622184
Q	84m NE	Railway Sidings	1901	1665663
F	89m N	Refuse Heap	1938	1656345
F	89m N	Refuse Heap	1915	1658106
S	91m N	Refuse Heap	1938	1679692



ID	Location	Land Use	Date	Group ID
S	91m N	Refuse Heap	1915	1741076
Q	92m NE	Railway Sidings	1938	1650474
Q	92m NE	Railway Sidings	1913	1722161
H	92m S	Unspecified Tank	1938	1716963
H	92m S	Unspecified Tank	1913	1620977
H	92m S	Unspecified Tank	1901	1620977
Q	92m NE	Railway Sidings	1901	1736401
E	95m NE	Unspecified Pit	1883	1607844
E	96m NE	Unspecified Ground Workings	1888	1564636
E	96m NE	Refuse Heap	1938	1747840
E	96m NE	Refuse Heap	1915	1723326
L	97m SE	Railway Sidings	1883	1739008
S	98m N	Refuse Heap	1901	1642188
S	98m N	Brick Yards	1901	1600173
M	100m NE	Unspecified Works	1921	1622184
M	100m NE	Railway Sidings	1955	1746662
F	100m NW	Railway Sidings	1938	1653377
F	100m NW	Railway Sidings	1915	1745235
H	101m S	Unspecified Tank	1955	1591921
E	102m NE	Refuse Heap	1921	1615048
M	103m NE	Colliery	1888	1700870
P	105m NE	Colliery	1901	1673245
P	105m NE	Colliery	1883	1663689
Q	105m NE	Unspecified Pit	1938	1640673
Q	105m NE	Unspecified Pit	1915	1643880
F	107m NW	Railway Sidings	1955	1639340
L	108m SE	Refuse Heap	1921	1672809
L	111m SE	Colliery	1938	1665550



ID	Location	Land Use	Date	Group ID
M	115m NE	Unspecified Works	1990	1639757
F	116m N	Refuse Heap	1921	1665406
K	118m E	Railway Sidings	1901	1560684
F	122m N	Refuse Heaps	1955	1573218
M	124m NE	Unspecified Works	1901	1662681
P	128m NE	Refuse Heap	1921	1616647
K	130m E	Unspecified Pit	1901	1657442
M	136m NE	Unspecified Works	1980	1724971
M	136m NE	Unspecified Commercial/Industrial	1883	1642129
K	138m E	Unspecified Heap	1921	1727903
P	146m NE	Refuse Heap	1938	1725353
P	146m NE	Refuse Heap	1915	1715235
K	150m E	Unspecified Heap	1938	1672088
K	150m E	Unspecified Heap	1913	1623589
L	157m SE	Refuse Heap	1938	1699449
K	163m E	Unspecified Ground Workings	1921	1564643
U	170m SE	Unspecified Works	1980	1650366
U	170m SE	Unspecified Works	1971	1671019
U	170m SE	Unspecified Works	1990	1650366
L	176m SE	Railway Sidings	1938	1746662
L	176m SE	Railway Sidings	1913	1748262
P	178m NE	Unspecified Ground Workings	1883	1737436
P	180m NE	Unspecified Ground Workings	1888	1737436
K	184m E	Unspecified Ground Workings	1921	1564644
L	184m SE	Refuse Heaps	1955	1573232
P	186m NE	Unspecified Heap	1955	1568005
L	196m NE	Tramway Sidings	1921	1643118
V	200m NE	Unspecified Commercial/Industrial	1901	1735836



ID	Location	Land Use	Date	Group ID
V	201m NE	Unspecified Commercial/Industrial	1938	1663285
V	201m NE	Unspecified Commercial/Industrial	1913	1735836
W	202m NE	Clay Pit	1990	1595604
Y	213m W	Cuttings	1883	1695361
Z	213m W	Cuttings	1888	1661847
AA	213m N	Unspecified Ground Workings	1888	1564634
AA	214m N	Unspecified Pit	1883	1607610
AB	219m N	Unspecified Wharf	1888	1634276
AC	219m N	Railway Sidings	1888	1669578
AD	222m N	Tramway Sidings	1901	1586742
AB	229m N	Unspecified Wharf	1883	1634276
U	237m S	Refuse Heap	1938	1657018
U	237m S	Refuse Heap	1913	1741445
14	238m N	Unspecified Works	1955	1740513
AD	241m N	Unspecified Works	1971	1692245
U	242m S	Refuse Heap	1921	1728536
AD	245m N	Unspecified Works	1980	1640806
AE	245m N	Disused Clay Pit	1990	1588986
M	246m NE	Unspecified Ground Workings	1883	1623366
M	248m NE	Unspecified Ground Workings	1888	1623366
W	250m NE	Unspecified Pits	1955	1688327
AG	253m NE	Unspecified Pit	1901	1748174
AG	253m NE	Unspecified Ground Workings	1938	1731357
AG	253m NE	Unspecified Ground Workings	1915	1693144
AD	255m N	Refuse Heap	1921	1649982
15	257m S	Unspecified Commercial/Industrial	1990	1562653
AG	257m NE	Unspecified Pits	1921	1673281
AD	271m N	Refuse Heap	1938	1740385



ID	Location	Land Use	Date	Group ID
AD	271m N	Refuse Heap	1915	1626652
P	275m NE	Unspecified Shaft	1888	1676511
P	276m NE	Unspecified Shaft	1883	1676511
AJ	287m E	Industrial Estate	1992	1628492
AJ	287m E	Industrial Estate	1982	1625828
L	288m E	Disused Colliery	1954	1589346
V	288m E	Railway Sidings	1954	1613666
V	294m E	Unspecified Works	1972	1598076
M	294m NE	Magazine	1888	1681251
M	296m NE	Magazine	1883	1681251
AD	299m NE	Unspecified Heap	1955	1568001
L	302m SE	Unspecified Ground Workings	1921	1564645
AK	302m NE	Unspecified Pit	1883	1721794
L	303m SE	Colliery	1901	1741948
L	303m SE	Unspecified Pit	1955	1607846
L	303m SE	Colliery	1921	1655634
AK	303m NE	Unspecified Pit	1888	1721794
L	304m SE	Refuse Heap	1901	1684835
L	304m SE	Refuse Heap	1921	1648641
L	304m SE	Refuse Heap	1938	1731110
V	307m NE	Unspecified Pit	1901	1616342
L	307m SE	Colliery	1885	1726447
L	308m SE	Colliery	1883	1726447
L	308m SE	Refuse Heap	1913	1662150
P	309m NE	Unspecified Tank	1990	1591930
L	311m SE	Unspecified Heap	1901	1708036
L	315m SE	Refuse Heap	1921	1672233
L	317m SE	Unspecified Tank	1885	1683629



ID	Location	Land Use	Date	Group ID
L	317m SE	Unspecified Depot	1980	1583236
AE	317m NE	Clay Pit	1980	1622808
L	319m SE	Unspecified Tank	1883	1683629
L	321m SE	Unspecified Heap	1955	1685024
L	321m SE	Refuse Heap	1955	1744242
AL	322m SW	Sewage Farm	1938	1703488
AL	322m SW	Sewage Farm	1913	1641533
AL	322m SW	Sewage Farm	1901	1641533
AL	322m SW	Sewage Farm	1921	1703488
P	323m NE	Unspecified Tank	1883	1730543
L	323m SE	Unspecified Warehouses	1982	1577717
V	324m NE	Unspecified Pit	1921	1628095
AL	326m SW	Sewage Works	1980	1700923
AL	326m SW	Sewage Works	1971	1674018
16	326m W	Smithy	1901	1612465
P	327m NE	Unspecified Tank	1938	1648836
P	327m NE	Unspecified Tank	1915	1634765
L	331m SE	Refuse Heap	1938	1702305
L	334m SE	Refuse Heap	1938	1673915
V	335m NE	Unspecified Pit	1938	1628095
V	335m NE	Unspecified Pit	1913	1724599
L	335m SE	Refuse Heap	1921	1684587
L	336m SE	Refuse Heap	1921	1666383
L	337m SE	Refuse Heap	1901	1712248
L	338m SE	Refuse Heap	1913	1695231
L	338m SE	Refuse Heap	1901	1695231
AN	341m E	Refuse Heap	1954	1596112
AP	349m NE	Refuse Heap	1938	1748747



ID	Location	Land Use	Date	Group ID
AP	349m NE	Refuse Heap	1915	1636739
L	349m SE	Unspecified Tank	1885	1622165
L	349m SE	Unspecified Heap	1971	1568024
L	350m SE	Unspecified Tank	1883	1622165
AP	353m NE	Refuse Heap	1921	1714363
AQ	353m N	Unspecified Pits	1955	1576724
L	353m SE	Refuse Heap	1901	1635133
L	354m SE	Refuse Heap	1955	1695130
18	354m N	Railway Sidings	1955	1560682
AN	355m E	Unspecified Pit	1972	1607847
AR	363m NW	Unspecified Pits	1980	1576727
AL	365m SW	Filter Beds	1980	1684056
AL	365m SW	Filter Beds	1971	1711686
L	366m SE	Unspecified Heap	1955	1568025
AR	366m NW	Clay Pit	1971	1595606
19	371m E	Cuttings	1888	1742806
V	373m E	Cuttings	1885	1742806
V	375m E	Cuttings	1883	1742806
20	380m SE	Railway Sidings	1954	1613667
AQ	385m N	Clay Pit	1971	1723781
AT	389m E	Railway Sidings	1885	1711179
21	394m E	Unspecified Ground Workings	1921	1564646
L	394m SE	Refuse Heap	1954	1705407
AU	395m NE	Cuttings	1938	1641624
AU	395m NE	Cuttings	1915	1619897
22	395m E	Unspecified Depot	1982	1583262
AU	396m NE	Cuttings	1955	1694115
AU	398m NE	Cuttings	1921	1623050



ID	Location	Land Use	Date	Group ID
23	398m W	Smithy	1901	1612464
AV	402m NE	Tileries	1938	1697738
AV	402m NE	Tileries	1915	1623174
AV	403m NE	Railway Sidings	1883	1742657
L	409m SE	Railway Sidings	1885	1653655
L	410m SE	Refuse Heap	1921	1596114
AX	413m NE	Refuse Heap	1982	1596110
AV	414m NE	Brick and Tile Works	1954	1658934
L	415m SE	Unspecified Ground Workings	1972	1564649
AX	417m NE	Unspecified Works	1972	1614839
AX	418m NE	Unspecified Pits	1954	1650450
L	421m SE	Refuse Heap	1921	1659494
24	422m E	Industrial Estate	1972	1736326
25	422m E	Unspecified Depot	1972	1583263
AV	423m NE	Brick and Tile Works	1888	1636934
L	423m SE	Refuse Heap	1938	1675576
L	423m SE	Refuse Heap	1913	1674844
L	423m SE	Unspecified Shaft	1885	1646047
L	423m SE	Refuse Heap	1901	1633199
AL	423m SW	Unspecified Pit	1938	1746764
AL	423m SW	Unspecified Pit	1913	1691175
AL	423m SW	Unspecified Pit	1901	1691175
AL	423m SW	Unspecified Pit	1921	1746764
L	425m SE	Magazine	1885	1700232
L	427m SE	Unspecified Shaft	1883	1646047
AV	427m NE	Brick and Tile Works	1883	1709084
L	429m SE	Magazine	1883	1700232
L	429m SE	Gravel Pit	1954	1572480



ID	Location	Land Use	Date	Group ID
AT	430m E	Unspecified Ground Workings	1921	1564647
AX	431m NE	Unspecified Pit	1972	1737909
L	433m SE	Railway Building	1883	1690316
L	433m SE	Railway Building	1885	1690316
AU	440m NE	Refuse Heaps	1955	1573231
AU	441m NE	Refuse Heap	1938	1676970
26	441m NE	Cuttings	1883	1736968
AX	444m NE	Unspecified Pit	1888	1690096
AU	444m NE	Refuse Heap	1915	1693402
AX	445m NE	Unspecified Pit	1883	1696486
AU	446m NE	Refuse Heap	1921	1680466
AV	446m NE	Tileries	1901	1724094
AV	446m NE	Tileries	1921	1745079
AX	446m NE	Unspecified Pit	1901	1690096
AX	447m NE	Unspecified Ground Workings	1938	1733443
AX	447m NE	Unspecified Ground Workings	1915	1689171
AX	449m NE	Unspecified Pits	1921	1656856
AY	452m E	Unspecified Factory	1982	1673035
AL	452m SW	Sewage Works	1955	1671213
AY	453m E	Unspecified Factory	1972	1673035
AC	453m NE	Unspecified Works	1990	1598074
AZ	454m NE	Railway Sidings	1901	1725299
Z	456m W	Cuttings	1883	1661847
AZ	460m NE	Unspecified Works	1980	1643509
AZ	468m NE	Railway Sidings	1955	1650152
AX	470m NE	Railway Sidings	1954	1734895
AV	474m NE	Unspecified Works	1992	1725374
AL	476m SW	Unspecified Tanks	1955	1580017



ID	Location	Land Use	Date	Group ID
AL	476m SW	Filter Beds	1980	1696493
AL	476m SW	Filter Beds	1971	1622700
AZ	479m NE	Unspecified Works	1971	1711431
AX	487m NE	Railway Sidings	1915	1699560
27	487m SE	Unspecified Heap	1972	1568023
AJ	490m E	Unspecified Ground Workings	1921	1564648
L	494m SE	Refuse Heap	1921	1690372

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m

92

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 31**

ID	Location	Land Use	Date	Group ID
A	On site	Unspecified Tank	1902	268143
A	On site	Unspecified Tank	1914	268143
A	On site	Unspecified Tank	1968	279100
A	On site	Unspecified Tank	1968	279100
B	On site	Unspecified Tank	1886	250738
F	31m NW	Tanks	1992	270494
F	31m NW	Tanks	1980	269237
F	31m NW	Tanks	1987	269237
N	41m NE	Unspecified Tank	1902	250737
N	45m NE	Unspecified Tank	1914	250736
F	63m NW	Tanks	1992	263994
F	63m NW	Tanks	1980	263994
F	63m NW	Tanks	1987	263994



ID	Location	Land Use	Date	Group ID
R	69m NE	Unspecified Tank	1988	267522
R	69m NE	Unspecified Tank	1989	271827
R	70m NE	Unspecified Tank	1992	267684
F	79m N	Unspecified Tank	1992	250744
F	93m NW	Tanks	1992	274586
F	93m NW	Tanks	1980	266026
F	93m NW	Tanks	1987	266026
F	98m NW	Tanks	1992	267271
F	99m NW	Tanks	1980	267271
F	99m NW	Tanks	1987	267271
H	100m S	Unspecified Tank	1902	270059
H	100m S	Unspecified Tank	1938	270059
F	105m NW	Tanks	1992	271190
F	106m NW	Tanks	1980	271190
F	106m NW	Tanks	1987	271190
F	124m NW	Tanks	1992	276665
F	124m NW	Tanks	1980	270962
F	124m NW	Tanks	1987	270962
F	142m N	Tanks	1992	259539
F	181m NW	Tanks	1980	272132
F	181m NW	Tanks	1987	272132
F	181m NW	Tanks	1992	272132
M	182m NE	Tanks	1988	269666
M	182m NE	Tanks	1989	269666
M	183m NE	Tanks	1992	269666
M	183m NE	Tanks	1977	269666
M	220m NE	Tanks	1977	259538
M	221m NE	Tanks	1992	265329



ID	Location	Land Use	Date	Group ID
M	221m NE	Tanks	1988	265329
M	221m NE	Tanks	1989	265329
M	222m NE	Tanks	1977	265329
M	229m NE	Unspecified Tank	1988	278724
M	229m NE	Unspecified Tank	1989	278724
M	230m NE	Unspecified Tank	1992	278724
M	230m NE	Unspecified Tank	1977	278724
M	236m NE	Tanks	1988	271486
M	236m NE	Tanks	1989	271486
M	237m NE	Tanks	1992	271520
M	238m NE	Tanks	1977	271486
M	248m NE	Tanks	1988	275993
M	248m NE	Tanks	1989	275993
M	249m NE	Tanks	1992	276927
M	250m NE	Tanks	1977	276927
M	255m NE	Tanks	1992	275108
M	255m NE	Tanks	1977	275108
AH	273m SE	Unspecified Tank	1987	263427
AH	275m SE	Unspecified Tank	1992	263427
M	277m NE	Tanks	1919	259540
AH	289m SE	Unspecified Tank	1987	250741
AH	291m SE	Tanks	1992	259533
AD	293m N	Unspecified Tank	1969	250745
P	308m NE	Unspecified Tank	1992	266413
P	309m NE	Unspecified Tank	1989	266413
L	312m SE	Unspecified Tank	1886	250739
P	321m NE	Unspecified Tank	1902	250751
P	330m NE	Unspecified Tank	1977	250754



ID	Location	Land Use	Date	Group ID
17	332m SW	Unspecified Tank	1902	250743
L	344m SE	Unspecified Tank	1886	250740
U	367m SE	Unspecified Tank	1968	278980
U	368m SE	Unspecified Tank	1968	278980
AS	379m N	Unspecified Tank	1992	270689
AS	380m N	Unspecified Tank	1970	263709
AS	380m N	Unspecified Tank	1962	273203
AS	380m N	Unspecified Tank	1961	274462
AS	380m N	Unspecified Tank	1969	277992
AO	397m NW	Unspecified Tank	1884	250809
L	412m SE	Unspecified Tank	1914	250735
AL	456m SW	Unspecified Tank	1902	268634
AL	456m SW	Unspecified Tank	1914	268634
AL	456m SW	Unspecified Tank	1938	268634
AL	479m SW	Tanks	1970	277338
AL	479m SW	Tanks	1968	277338
AL	481m SW	Tanks	1970	271909
AL	482m SW	Tanks	1968	271909
AL	483m SW	Unspecified Tank	1970	264945
AL	483m SW	Unspecified Tank	1968	264945
AL	487m SW	Unspecified Tank	1938	250730
AL	497m SW	Tanks	1970	271160
AL	498m SW	Tanks	1968	271160

This data is sourced from Ordnance Survey / Groundsure.



2.3 Historical energy features

Records within 500m

46

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

Features are displayed on the Past land use - un-grouped map on **page 31**

ID	Location	Land Use	Date	Group ID
R	58m NE	Electricity Substation	1992	159446
R	58m NE	Electricity Substation	1988	158991
R	58m NE	Electricity Substation	1989	158991
E	120m NE	Electricity Substation	1988	155428
E	120m NE	Electricity Substation	1989	155428
E	120m NE	Electricity Substation	1977	155428
E	121m NE	Electricity Substation	1992	163497
X	210m NW	Electricity Substation	1980	150851
X	210m NW	Electricity Substation	1980	150851
X	210m NW	Electricity Substation	1988	150851
X	210m NW	Electricity Substation	1990	150851
X	210m NW	Electricity Substation	1990	150851
X	211m NW	Electricity Substation	1975	150851
X	211m NW	Electricity Substation	1994	150851
AF	252m SE	Electricity Substation	1987	153675
AF	253m E	Electricity Substation	1992	153675
P	260m NE	Electricity Substation	1992	160659
P	261m NE	Electricity Substation	1988	160659
P	261m NE	Electricity Substation	1989	160659
P	261m NE	Electricity Substation	1977	160659
Y	317m W	Electricity Substation	1994	158572
Y	317m W	Electricity Substation	1980	158572
Y	317m W	Electricity Substation	1980	158572



ID	Location	Land Use	Date	Group ID
Y	317m W	Electricity Substation	1988	158572
Y	317m W	Electricity Substation	1990	158572
Y	317m W	Electricity Substation	1990	158572
Y	317m W	Electricity Substation	1975	158572
AM	336m NW	Electricity Substation	1980	167163
AM	336m NW	Electricity Substation	1980	167163
AM	336m NW	Electricity Substation	1988	167163
AM	336m NW	Electricity Substation	1990	167163
AM	336m NW	Electricity Substation	1990	167163
AM	336m NW	Electricity Substation	1975	167163
AM	337m NW	Electricity Substation	1994	167163
AW	406m SE	Electricity Substation	1968	152846
AW	406m SE	Electricity Substation	1980	152846
AW	407m SE	Electricity Substation	1993	152846
AW	407m SE	Electricity Substation	1968	152846
AC	463m NE	Electricity Substation	1988	164363
AC	463m NE	Electricity Substation	1989	164363
AC	463m NE	Electricity Substation	1992	164363
AC	463m NE	Electricity Substation	1977	164363
BB	490m NW	Electricity Substation	1980	157297
BB	490m NW	Electricity Substation	1990	157297
BB	490m NW	Electricity Substation	1970	157297
BB	490m NW	Electricity Substation	1969	157297

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

14

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

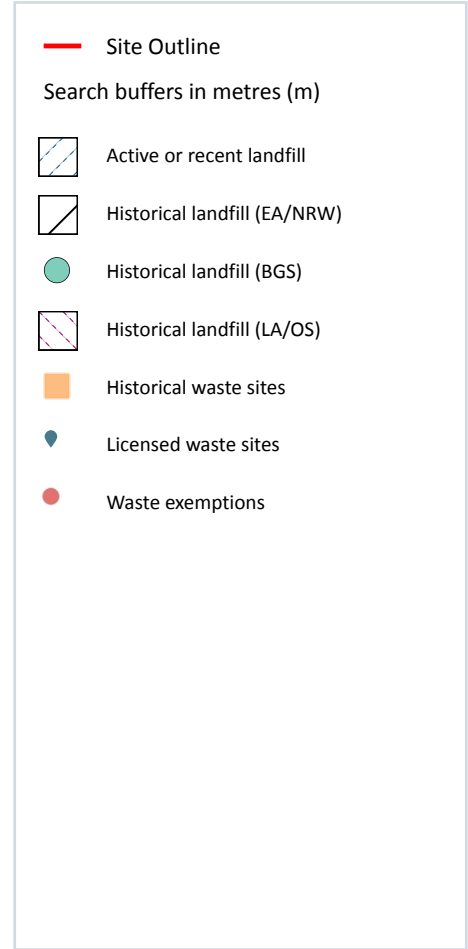
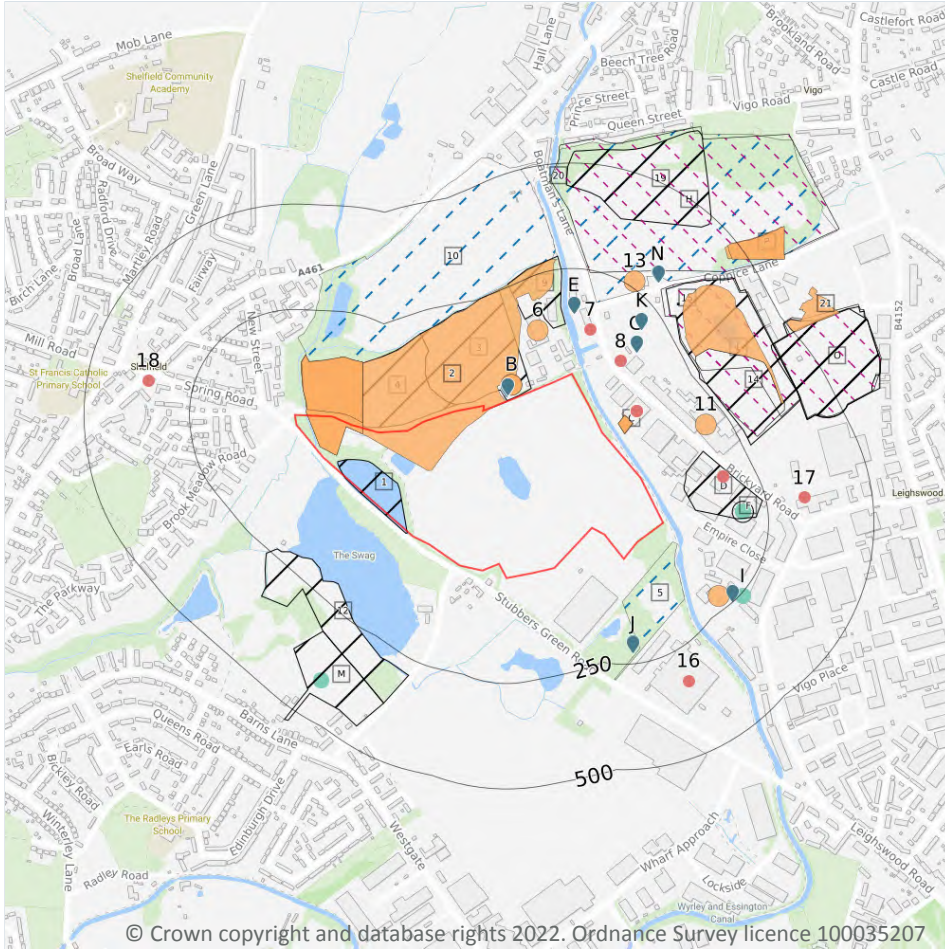
Features are displayed on the Past land use - un-grouped map on **page 31**

ID	Location	Land Use	Date	Group ID
E	118m NE	Garage	1988	47188
AI	282m N	Garage	1962	48993
AI	283m N	Garage	1961	53998
AI	283m N	Garage	1969	53998
AO	346m NW	Garage	1980	52247
AO	346m NW	Garage	1980	52247
AO	346m NW	Garage	1988	52247
AO	346m NW	Garage	1990	52247
AO	346m NW	Garage	1990	52247
AO	346m NW	Garage	1975	49491
AC	454m NE	Garage	1988	47189
BA	485m W	Garage	1980	52389
BA	485m W	Garage	1990	52389
BA	485m W	Garage	1961	53347

This data is sourced from Ordnance Survey / Groundsure.



3 Waste and landfill



3.1 Active or recent landfill

Records within 500m

4

Active or recently closed landfill sites under Environment Agency/Natural Resources Wales regulation. Features are displayed on the Waste and landfill map on **page 53**

ID	Location	Details	
5	49m SE	Operator: R M Douglas Construction Ltd Site Address: Land Adjoining Rapid Metal Developments Ltd, Stubbers Green Road, Aldridge, Walsall, West Midlands, WS9 8BL	WML Number: 41108 EPR Reference: RMD001 Landfill type: A05: Landfill taking Non-Biodegradable Wastes Status: Closure IPPC Reference: - EPR Number: EA/EPR/UP3696FE/A001



ID	Location	Details	
10	128m N	Operator: Enovert North Limited Site Address: Highfields South Landfill Site, Lichfield Road, West Midlands, WS9 9AH	WML Number: 0 EPR Reference: - Landfill type: WASTE LANDFILLING; >10 T/D WITH CAPACITY >25,000T EXCLUDING INERT WASTE Status: Effective IPPC Reference: - EPR Number: -
H	179m N	Operator: Enovert North Limited Site Address: Coppice Lane, Walsall Wood, Brownhills, Walsall, WS9 8TB	WML Number: 0 EPR Reference: - Landfill type: WASTE LANDFILLING; >10 T/D WITH CAPACITY >25,000T EXCLUDING INERT WASTE Status: Effective IPPC Reference: - EPR Number: -
20	458m N	Operator: Enovert North Limited Site Address: Coppice Lane, Walsall Wood, Brownhills, Walsall, WS9 8TB	WML Number: 0 EPR Reference: - Landfill type: WASTE LANDFILLING; >10 T/D WITH CAPACITY >25,000T EXCLUDING INERT WASTE Status: Effective IPPC Reference: - EPR Number: -

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

3.2 Historical landfill (BGS records)

Records within 500m	3
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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.

Features are displayed on the Waste and landfill map on **page 53**

ID	Location	Address	BGS Number	Risk	Waste Type
F	189m E	Beddow's Marl Hotel, Brickyard Rd, Aldridge, W Mid	1807	No risk to aquifer	N/A
I	256m SE	Barnpiece Swag, Brickyard Rd, Aldridge, W Mids	1158	Risk to minor aquifer	Note:Site unsuitable for liquids or soluble solids
M	407m SW	Barns Farm, Barns Lane, Rushall, Aldridge, W Mids	1160	No risk to aquifer	N/A

This data is sourced from the British Geological Survey.



3.3 Historical landfill (LA/mapping records)

Records within 500m

4

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

Features are displayed on the Waste and landfill map on **page 53**

ID	Location	Site address	Source	Data type
H	244m N	Vigo Utopia Quarry	Walsall Metropolitan Borough Council	Polygon
L	260m NE	Mitco Tip	Walsall Metropolitan Borough Council	Polygon
14	263m NE	Refuse Tip	1976 mapping	Polygon
O	418m NE	Former Joberns' Tip	Walsall Metropolitan Borough Council	Polygon

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

3.4 Historical landfill (EA/NRW records)

Records within 500m

13

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 53**

ID	Location	Details		
1	On site	Site Address: Banpiece Swag, Brickyard Road, Aldridge, West Midlands Licence Holder Address: -	Waste Licence: - Site Reference: - Waste Type: - Environmental Permitting Regulations (Waste) Reference: - Licence Issue: - Licence Surrender: -	Operator: - Licence Holder: - First Recorded - Last Recorded: -
3	1m N	Site Address: Empire Brickworks, Stubbers Green Road, Aldridge, West Midlands Licence Holder Address: -	Waste Licence: Yes Site Reference: SL/50, SL/51, 644/77 Waste Type: Industrial, Special, Liquid sludge Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 20/09/1977 Licence Surrender: 30/04/1994	Operator: - Licence Holder: Polymeric Treatments Limited First Recorded 31/12/1977 Last Recorded: 30/04/1994



ID	Location	Details		
4	3m N	Site Address: Butterley Hole, Stubbers Green Road, Aldridge, West Midlands Licence Holder Address: -	Waste Licence: Yes Site Reference: SL/324, 644/643 Waste Type: Special, Liquid sludge Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 20/01/1981 Licence Surrender: 30/04/1994	Operator: - Licence Holder: Polymeric Treatments Limited First Recorded 01/12/1983 Last Recorded: 31/12/1988
D	79m NE	Site Address: Hardy's Industrial Estate, Off Brickyard Road, Aldridge, Walsall, West Midlands Licence Holder Address: -	Waste Licence: - Site Reference: 644/283, 4600/9213 Waste Type: Industrial, Special Environmental Permitting Regulations (Waste) Reference: - Licence Issue: - Licence Surrender: -	Operator: - Licence Holder: - First Recorded 12/11/1974 Last Recorded: -
9	116m N	Site Address: Empire Brickworks, Stubbers Green Road, Aldridge, West Midlands Licence Holder Address: -	Waste Licence: Yes Site Reference: SL/273, 644/620 Waste Type: Industrial, Special, Liquid sludge Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 03/12/1981 Licence Surrender: 29/10/1992	Operator: - Licence Holder: Effluent Disposal Limited First Recorded 31/12/1981 Last Recorded: 31/12/1988
F	165m E	Site Address: Beddow's Mark Hole, Brickyard Road, Aldridge Licence Holder Address: -	Waste Licence: - Site Reference: - Waste Type: - Environmental Permitting Regulations (Waste) Reference: - Licence Issue: - Licence Surrender: -	Operator: Aldridge Brixancole Limited Licence Holder: - First Recorded - Last Recorded: -
12	198m SW	Site Address: Land at Rear of Barns Lane Farm, Barns Lane, Rushall, Walsall, West Midlands Licence Holder Address: -	Waste Licence: - Site Reference: 644/631, 4600/9220 Waste Type: Commercial, Household Environmental Permitting Regulations (Waste) Reference: - Licence Issue: - Licence Surrender: -	Operator: Jack Barnaby Licence Holder: - First Recorded - Last Recorded: -
L	259m NE	Site Address: Mitco, Coppice Lane, Aldridge, West Midlands Licence Holder Address: -	Waste Licence: Yes Site Reference: SL/46, 644/1 Waste Type: Inert, Household, Special, Liquid sludge Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 21/02/1978 Licence Surrender: 29/10/1992	Operator: - Licence Holder: Leigh Interests Limited First Recorded 31/12/1968 Last Recorded: 31/08/1979



ID	Location	Details		
15	299m NE	Site Address: Mitco Borehole, Off Coppice Lane, Coppice Lane, Aldridge, West Midlands Licence Holder Address: -	Waste Licence: Yes Site Reference: SL/226, 644/518 Waste Type: Special, Liquid sludge Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 29/11/1977 Licence Surrender: 31/03/1979	Operator: - Licence Holder: Leigh Interests Limited First Recorded 01/11/1977 Last Recorded: 01/09/1978
M	309m SW	Site Address: Land at Rear of Barns Lane Farm Landfill Site, Barns Lane, Rushall, Walsall, West Midlands Licence Holder Address: -	Waste Licence: Yes Site Reference: 644/178, SL/37 Waste Type: Inert, Commercial Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 25/10/1977 Licence Surrender: 06/01/1986	Operator: Jack Barnaby Licence Holder: Adams and Sons Transport (Sharehill) Limited First Recorded 31/12/1960 Last Recorded: 31/10/1984
19	385m N	Site Address: Utopia Quarry, Boatman's Lane, Shelfield, West Midlands Licence Holder Address: -	Waste Licence: - Site Reference: - Waste Type: - Environmental Permitting Regulations (Waste) Reference: - Licence Issue: - Licence Surrender: -	Operator: Aldridge Brixancole Limited Licence Holder: - First Recorded 20/01/1969 Last Recorded: -
O	414m NE	Site Address: Joberns Landfill Site, Coppice Lane, Coseley, Dudley, West Midlands Licence Holder Address: -	Waste Licence: Yes Site Reference: SL/47, 644/105 Waste Type: Inert, Industrial, Commercial, Household Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 16/11/1977 Licence Surrender: 03/02/1992	Operator: - Licence Holder: Effluent Disposal Limited First Recorded 31/12/1968 Last Recorded: 31/12/1983
O	415m NE	Site Address: Coppice Lane, Northgate, Aldridge, West Midlands Licence Holder Address: -	Waste Licence: - Site Reference: - Waste Type: - Environmental Permitting Regulations (Waste) Reference: - Licence Issue: - Licence Surrender: -	Operator: Joberns Holdings Limited Licence Holder: - First Recorded 20/01/1969 Last Recorded: -

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

3.5 Historical waste sites

Records within 500m

17

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 53**



ID	Location	Address	Further Details	Date
2	On site	Site Address: N/A	Type of Site: Waste Pit Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1992
A	On site	Site Address: N/A	Type of Site: Waste Pit Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1990
A	On site	Site Address: N/A	Type of Site: Waste Pit Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1990
B	7m NW	Site Address: Empire Works, Stubbers Green Road, Aldridge, WALSALL, West Midlands, WS9 8BL	Type of Site: Waste Transfer Station Planning application reference: 08/0916/FL Description: Scheme comprises construction of a waste transfer station. An application (ref: 08/0916/FL) for detailed planning permission was refused by Walsall M.B.C. Planning decision obtained Data source: Historic Planning Application Data Type: Point	-
B	7m NW	Site Address: Empire Works, Stubbers Green Road, WALSALL, West Midlands, WS9 8BL	Type of Site: Waste Transfer Station Planning application reference: 09/0030/FL Description: Scheme comprises re-submission of 08/0916/FL: construction of a waste transfer station. An application (ref: 09/0030/FL) for detailed planning permission was granted by Walsall M.B.C. A detailed planning application has been granted. Data source: Historic Planning Application Data Type: Point	28/09/2009
A	10m N	Site Address: N/A	Type of Site: Waste Pit Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1994
C	38m NE	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1992



ID	Location	Address	Further Details	Date
C	39m NE	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1988
C	39m NE	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1989
6	102m NW	Site Address: Veolia ES UK Ltd, Stubbers Green Road, Empire Works, Walsall, West Midlands, WS9 8BL	Type of Site: Waste Transfer Station (Alterations) Planning application reference: 18/1541 Description: Scheme comprises construction of a canopy. Data source: Historic Planning Application Data Type: Point	14/11/2018
11	174m NE	Site Address: Ibstock Brick,Brickyard Road, Aldridge, WALSALL, West Midlands, WS9 8TB	Type of Site: Recycling Centre Planning application reference: 09/1823/FL Description: Scheme comprises construction of materials recycling facility. Construction - block, brick walls; pitched, tile roof; upvc framed windows; timber doors; fencing site works. An application (ref: 09/1823/FL) for detailed planning permission was granted b Walsall M.B.C. A detailed planning application has been granted. Data source: Historic Planning Application Data Type: Point	29/06/2010
I	192m SE	Site Address: Brickyard Road, (land Off, Aldridge, WALSALL, West Midlands, WS9 8	Type of Site: Waste Re-Processing Site Planning application reference: BC47973P Description: An application (ref: BC47973P) for Detailed Planning permission was submitted to Walsall M.B.C. on 17th October 1996. Data source: Historic Planning Application Data Type: Point	-



ID	Location	Address	Further Details	Date
13	240m NE	Site Address: Bace Groundworks Ltd, Coppice Lane, Walsall Wood, WALSALL, West Midlands, WS9 9AA	Type of Site: Recycling Centre (Conversion) Planning application reference: 07/2477/FL/E6 Description: Scheme comprises change of use from storage to non hazardous inert treatment and transfer site to recycle inert materials for resale and aggregates opening hours. mon-fri 0700-1800, saturdays 0700-1300, emergency maintenance out of hours notified. lication (ref: 07/2477/FL/E6) for detailed planning permission was granted by Walsall M.B.C. Planning decision obtained Data source: Historic Planning Application Data Type: Point	-
L	276m NE	Site Address: N/A	Type of Site: Waste Disposal Lagoon Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1976
P	459m NE	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1991
P	467m NE	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1989
21	498m NE	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1990

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

3.6 Licensed waste sites

Records within 500m

27

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

Features are displayed on the Waste and landfill map on **page 53**



ID	Location	Details		
B	28m N	Site Name: Onyx - Empire Brickworks Site Address: Empire Brickworks, Stubbers Green Road, Aldridge, Walsall, West Midlands, WS9 8BL Correspondence Address: Empire Brickworks, Stubbers Green Road, Aldridge, Walsall, West Midlands, WS9 8BL	Type of Site: Physico-Chemical Treatment Facility Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: POL003 EPR reference: - Operator: Polymeric Treatments Ltd Waste Management licence No: 40817 Annual Tonnage: 0	Issue Date: 03/03/1978 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
B	28m N	Site Name: Onyx - Empire Brickworks Site Address: Stubbers Green Road, Aldridge, Walsall, West Midlands, WS9 8BL Correspondence Address: Empire Brickworks, Stubbers Green Road, Aldridge, Walsall, West Midlands, WS9 8BL	Type of Site: Physico-Chemical Treatment Facility Size: Unknown Environmental Permitting Regulations (Waste) Licence Number: POL003 EPR reference: - Operator: Polymeric Treatments Ltd Waste Management licence No: 40817 Annual Tonnage: 0	Issue Date: 03/03/1978 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
B	28m N	Site Name: Veolia - Empire Brickworks Site Address: Empire Brickworks, Stubbers Green Road, Aldridge, Walsall, West Midlands, WS9 8BL Correspondence Address: -	Type of Site: Physico-Chemical Treatment Facility Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: POL003 EPR reference: EA/EPR/MP3996FZ/A001 Operator: Polymeric Treatments Ltd Waste Management licence No: 40817 Annual Tonnage: 75000	Issue Date: 03/03/1978 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: To PPC



ID	Location	Details		
B	28m N	Site Name: Veolia - Empire Brickworks Site Address: Empire Brickworks, Stubbers Green Road, Aldridge, Walsall, West Midlands, WS9 8BL Correspondence Address: -	Type of Site: Physico-Chemical Treatment Facility Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: POL003 EPR reference: EA/EPR/MP3996FZ/A001 Operator: Polymeric Treatments Ltd Waste Management licence No: 40817 Annual Tonnage: 75000	Issue Date: 03/03/1978 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: To PPC
B	30m N	Site Name: Onyx - Empire Brickworks Site Address: Stubbers Green Road, Aldridge, Walsall, West Midlands, WS9 8BL Correspondence Address: Empire Brickworks, Stubbers Green Road, Aldridge, Walsall, West Midlands, WS9 8BL	Type of Site: Physico-Chemical Treatment Facility Size: Unknown Environmental Permitting Regulations (Waste) Licence Number: POL001 EPR reference: - Operator: Polymeric Treatments Ltd Waste Management licence No: 41316 Annual Tonnage: 0	Issue Date: 23/12/1983 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
B	30m N	Site Name: Onyx - Empire Brickworks Site Address: Stubbers Green Road, Aldridge, Walsall, West Midlands, WS9 8BL Correspondence Address: Empire Brickworks, Stubbers Green Road, Aldridge, Walsall, West Midlands, WS9 8BL	Type of Site: Physico-Chemical Treatment Facility Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: POL002 EPR reference: - Operator: Polymeric Treatments Ltd Waste Management licence No: 41308 Annual Tonnage: 0	Issue Date: 27/07/1983 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
B	31m N	Site Name: Onyx - Empire Brickworks Site Address: Empire Brickworks, Stubbers Green Road, Aldridge, Walsall, West Midlands, WS9 8BL Correspondence Address: Empire Brickworks, Stubbers Green Road, Aldridge, Walsall, West Midlands, WS9 8BL	Type of Site: Physico-Chemical Treatment Facility Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: POL001 EPR reference: - Operator: Polymeric Treatments Ltd Waste Management licence No: 41316 Annual Tonnage: 0	Issue Date: 23/12/1983 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued



ID	Location	Details		
B	31m N	Site Name: Veolia - Empire Brickworks Site Address: Empire Brickworks, Stubbers Green Road, Aldridge, Walsall, West Midlands, WS9 8BL Correspondence Address: -	Type of Site: Physico-Chemical Treatment Facility Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: POL002 EPR reference: EA/EPR/GP3396FR/A001 Operator: Polymeric Treatments Ltd Waste Management licence No: 41308 Annual Tonnage: 430000	Issue Date: 27/07/1983 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
B	31m N	Site Name: Veolia - Empire Brickworks Site Address: Empire Brickworks, Stubbers Green Road, Aldridge, Walsall, West Midlands, WS9 8BL Correspondence Address: -	Type of Site: Physico-Chemical Treatment Facility Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: POL001 EPR reference: EA/EPR/GP3996FG/A001 Operator: Polymeric Treatments Ltd Waste Management licence No: 41316 Annual Tonnage: 1000	Issue Date: 23/12/1983 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: To PPC
E	162m N	Site Name: Waste Recycling Centre Site Address: Waste Recycling Centre, C/o Brickyard Road & Coppice Lane, Aldridge, Walsall, West Midlands, WS9 8SX Correspondence Address: -	Type of Site: 75kte HCl Waste Transfer Station Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: INT054 EPR reference: EA/EPR/LP3890VN/V002 Operator: Interserve Construction Ltd Waste Management licence No: 101905 Annual Tonnage: 74999	Issue Date: 26/08/2010 Effective Date: - Modified: 01/03/2012 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified



ID	Location	Details		
E	162m N	Site Name: Interserve Site Services Site Address: Interserve Site Services, Aldridge M R F, Brickyard Road, Aldridge, Walsall, West Midlands, WS9 8SX Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: INT054 EPR reference: EA/EPR/LP3890VN/V004 Operator: Interserve Construction Ltd Waste Management licence No: 101905 Annual Tonnage: 74999	Issue Date: 26/08/2010 Effective Date: - Modified: 06/03/2018 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
E	162m N	Site Name: Interserve Site Services Site Address: Interserve Site Services, Aldridge M R F, Brickyard Road, Aldridge, Walsall, West Midlands, WS9 8SX Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: INT054 EPR reference: EA/EPR/LP3890VN/V004 Operator: Interserve Construction Ltd Waste Management licence No: 101905 Annual Tonnage: 74999	Issue Date: 26/08/2010 Effective Date: - Modified: 06/03/2018 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
G	167m NE	Site Name: Interserve Site Services Site Address: Aldridge M R F, Brickyard Road, Aldridge, Walsall, West Midlands, WS9 8SX Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: DEO001 EPR reference: EA/EPR/GB3902CG/T001 Operator: D E O' Reilly Waste Management Limited Waste Management licence No: 101905 Annual Tonnage: 74999	Issue Date: 26/08/2010 Effective Date: 24/06/2019 Modified: 06/03/2018 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred



ID	Location	Details		
G	167m NE	Site Name: Interserve Site Services Site Address: Aldridge M R F, Brickyard Road, Aldridge, Walsall, West Midlands, WS9 8SX Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: DEO001 EPR reference: EA/EPR/GB3902CG/T001 Operator: D E O' Reilly Waste Management Limited Waste Management licence No: 101905 Annual Tonnage: 74999	Issue Date: 26/08/2010 Effective Date: 24/06/2019 Modified: 06/03/2018 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred
J	203m S	Site Name: R M Douglas - Stubbers Green Road Landfill Site Site Address: Land Adjoining Rapid Metal Developments Ltd, Stubbers Green Road, Aldridge, Walsall, West Midlands, WS9 8BL Correspondence Address: -	Type of Site: Landfill taking Non- Biodegradeable Wastes Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: RMD001 EPR reference: EA/EPR/UP3696FE/A001 Operator: R M Douglas Construction Ltd Waste Management licence No: 41108 Annual Tonnage: 52000	Issue Date: 20/05/1981 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Closure
J	203m S	Site Name: R M Douglas - Stubbers Green Road Landfill Site Site Address: Land Adjoining Rapid Metal Developments Ltd, Stubbers Green Road, Aldridge, Walsall, West Midlands, WS9 8BL Correspondence Address: -	Type of Site: Landfill taking Non- Biodegradeable Wastes Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: RMD001 EPR reference: EA/EPR/UP3696FE/A001 Operator: R M Douglas Construction Ltd Waste Management licence No: 41108 Annual Tonnage: 52000	Issue Date: 20/05/1981 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Closure



ID	Location	Details		
J	204m S	Site Name: R M Douglas - Stubbers Green Road Landfill Site Site Address: Land Adjoining Rapid Metal Developments Ltd, Stubbers Green Road, Aldridge, Walsall, West Midlands Correspondence Address: 395, George Road, Erdington, Birmingham, B23 7RZ	Type of Site: Landfill taking Non-Biodegradable Wastes Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: RMD001 EPR reference: - Operator: R M Douglas Construction Ltd Waste Management licence No: 41108 Annual Tonnage: 52000	Issue Date: 20/05/1981 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
K	207m NE	Site Name: Former Ibstock Brick Inert Transfer Station Site Address: Land At Brickyard Road, Coppice Lane, Ibstockl Brick, Coppice Lane, Aldridge, Walsall, West Midlands, WS9 9AA Correspondence Address: -	Type of Site: Transfer Station taking Non-Biodegradable Wastes Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: BAC009 EPR reference: EA/EPR/LP3898EZ/A001 Operator: Bace Groundworks Ltd Waste Management licence No: 100266 Annual Tonnage: 75000	Issue Date: 04/07/2008 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Expired
K	207m NE	Site Name: Former Ibstock Brick Inert Transfer Station Site Address: Land At Brickyard Road, Coppice Lane, Ibstockl Brick, Coppice Lane, Aldridge, Walsall, West Midlands, WS9 9AA Correspondence Address: -	Type of Site: Transfer Station taking Non-Biodegradable Wastes Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: BAC009 EPR reference: EA/EPR/LP3898EZ/A001 Operator: Bace Groundworks Ltd Waste Management licence No: 100266 Annual Tonnage: 75000	Issue Date: 04/07/2008 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Expired



ID	Location	Details		
I	234m SE	Site Name: Interserve Project Services Ltd Site Address: Land / Premises At, Brickyard Road, Aldridge, Walsall, West Midlands, WS9 8SR Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: TIL001 EPR reference: EA/EPR/XP3597FA/V002 Operator: Interserve Project Services Ltd Waste Management licence No: 42707 Annual Tonnage: 25000	Issue Date: 09/09/1997 Effective Date: - Modified: 04/12/2003 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
I	234m SE	Site Name: Interserve Site Services Site Address: Interserve Site Services, Brickyard Road, Aldridge, Walsall, West Midlands, WS9 8SR Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: TIL001 EPR reference: EA/EPR/XP3597FA/S003 Operator: Interserve Construction Ltd Waste Management licence No: 42707 Annual Tonnage: 0	Issue Date: 09/09/1997 Effective Date: - Modified: 04/12/2003 Surrendered Date: Nov 13 2012 12:00AM Expiry Date: - Cancelled Date: - Status: Surrendered
N	311m NE	Site Name: Cory - Vigo/ Utopia Quarry Landfill Site Site Address: Coppice Lane, Walsall Wood, Walsall, West Midlands, WS9 8TB Correspondence Address: Schott House, Drummond Road, Astonfields Ind Estate, Stafford, Staffordshire, ST16 3EL	Type of Site: Other Landfill Site taking Special Waste Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: PAR001 EPR reference: - Operator: Cory Environmental (Central) Ltd Waste Management licence No: 42628 Annual Tonnage: 728000	Issue Date: 15/03/1996 Effective Date: - Modified: 30/10/2001 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified



ID	Location	Details		
N	311m NE	Site Name: Cory - Vigo/ Utopia Quarry Landfill Site Site Address: Vigo Utopia Landfill Site, Coppice Lane, Walsall Wood, Walsall, West Midlands, WS9 8TB Correspondence Address: Schott House, Drummond Road, Stafford, Staffs, ST16 3EL	Type of Site: Other Landfill Site taking Special Waste Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: PAR001 EPR reference: - Operator: Cory Environmental Central Ltd Waste Management licence No: 42628 Annual Tonnage: 728000	Issue Date: 15/03/1996 Effective Date: - Modified: 30/10/2001 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
N	312m NE	Site Name: Cory - Vigo/ Utopia Quarry Landfill Site Site Address: Vigo Utopia Landfill Site, Coppice Lane, Walsall Wood, Walsall, West Midlands, WS9 8TB Correspondence Address: Schott House, Drummond Road, Stafford, Staffs, ST16 3EL	Type of Site: Other Landfill Site taking Special Waste Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: PAR001 EPR reference: - Operator: Cory Environmental Central Ltd Waste Management licence No: 42628 Annual Tonnage: 400000	Issue Date: 15/03/1996 Effective Date: - Modified: 30/10/2001 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: IPPC
N	312m NE	Site Name: Cory - Vigo/ Utopia Quarry Landfill Site Site Address: Vigo Utopia Landfill Site, Coppice Lane, Walsall Wood, Walsall, West Midlands, WS9 8TB Correspondence Address: Schott House, Drummond Road, Stafford, Staffs, ST16 3EL	Type of Site: Other Landfill Site taking Special Waste Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: PAR001 EPR reference: - Operator: Cory Environmental Central Ltd Waste Management licence No: 42628 Annual Tonnage: 400000	Issue Date: 15/03/1996 Effective Date: - Modified: 30/10/2001 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: IPPC
N	312m NE	Site Name: Vigo Utopia - Inert & Non Hazardous Landfill Site Site Address: Vigo Utopia Landfill Site, Coppice Lane, Walsall Wood, Walsall, West Midlands, WS9 8TB Correspondence Address: Vigo Utopia Landfill Site, Coppice Lane, Walsall Wood, Walsall, West Midlands, WS9 8TB	Type of Site: Other Landfill Site taking Special Waste Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: PAR001 EPR reference: - Operator: Cory Environmental Limited Waste Management licence No: 42628 Annual Tonnage: 400000	Issue Date: 3/15/1996 Effective Date: - Modified: 10/30/2001 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: IPPC



ID	Location	Details		
N	312m NE	Site Name: Vigo Utopia - Inert & Non Hazardous Landfill Site Site Address: Vigo Utopia Landfill Site, Coppice Lane, Walsall Wood, Walsall, West Midlands, WS9 8TB Correspondence Address: -	Type of Site: Other Landfill Site taking Special Waste Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: PAR001 EPR reference: EA/EPR/SP3197FU/V002 Operator: Cory Environmental Ltd Waste Management licence No: 42628 Annual Tonnage: 400000	Issue Date: 15/03/1996 Effective Date: - Modified: 30/10/2001 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: To PPC

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

3.7 Waste exemptions

Records within 500m

17

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

Features are displayed on the Waste and landfill map on **page 53**

ID	Location	Site	Reference	Category	Sub-Category	Description
C	95m NE	UNIT 89-90, EMPIRE INDUSTRIAL PARK, ALDRIDGE, WALSALL, WS9 8UY	WEX279841	Using waste exemption	Not on a farm	Use of waste for a specified purpose
C	95m NE	UNIT 89-90, EMPIRE INDUSTRIAL PARK, ALDRIDGE, WALSALL, WS9 8UY	WEX279841	Treating waste exemption	Not on a farm	Recovery of textiles
C	95m NE	UNIT 89-90, EMPIRE INDUSTRIAL PARK, ALDRIDGE, WALSALL, WS9 8UY	WEX279841	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
C	95m NE	UNIT 89-90, EMPIRE INDUSTRIAL PARK, ALDRIDGE, WALSALL, WS9 8UY	WEX279841	Disposing of waste exemption	Not on a farm	Disposal by incineration
C	95m NE	UNIT 89-90, EMPIRE INDUSTRIAL PARK, ALDRIDGE, WALSALL, WS9 8UY	WEX279841	Storing waste exemption	Not on a farm	Storage of waste in a secure place

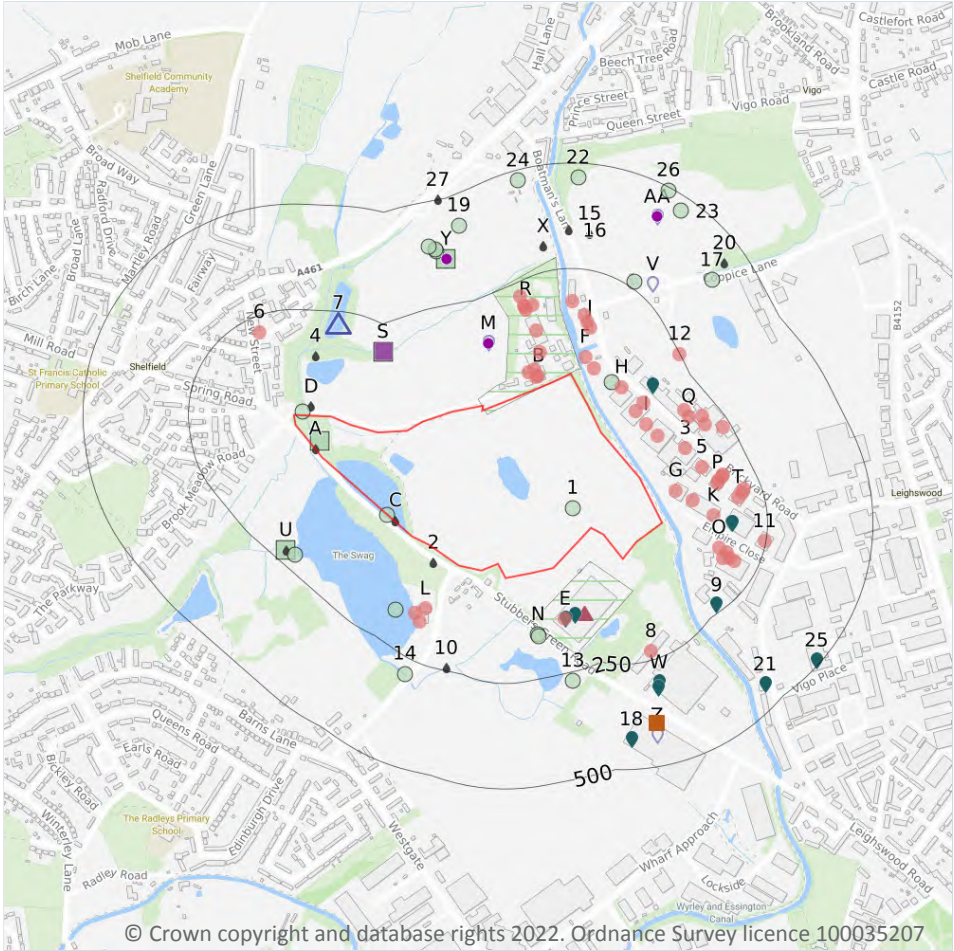


ID	Location	Site	Reference	Category	Sub-Category	Description
C	95m NE	EMPIRE INDUSTRIAL PARK, ALDRIDGE, WALSALL, WS9 8UY	WEX173859	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
C	95m NE	EMPIRE INDUSTRIAL PARK, ALDRIDGE, WALSALL, WS9 8UY	WEX173859	Treating waste exemption	Not on a farm	Recovery of textiles
C	95m NE	EMPIRE INDUSTRIAL PARK, ALDRIDGE, WALSALL, WS9 8UY	WEX173859	Storing waste exemption	Not on a farm	Storage of waste in a secure place
C	95m NE	EMPIRE INDUSTRIAL PARK, ALDRIDGE, WALSALL, WS9 8UY	WEX173859	Treating waste exemption	Not on a farm	Sorting mixed waste
C	95m NE	EMPIRE INDUSTRIAL PARK, ALDRIDGE, WALSALL, WS9 8UY	WEX173859	Disposing of waste exemption	Not on a farm	Disposal by incineration
C	95m NE	EMPIRE INDUSTRIAL PARK, ALDRIDGE, WALSALL, WS9 8UY	WEX173859	Using waste exemption	Not on a farm	Use of waste for a specified purpose
7	113m N	Aldridge MRF, Brickyard Road, Aldridge, Walsall, WS9 8SX	WEX189130	Storing waste exemption	Not on a farm	Storage of waste in a secure place
8	115m NE	395, GEORGE ROAD, ERDINGTON, BIRMINGHAM, B23 7RZ	WEX100000	Storing waste exemption	Not on a farm	Storage of waste in a secure place
D	175m NE	UNIT 34, EMPIRE INDUSTRIAL PARK, ALDRIDGE, WALSALL, WS9 8UY	WEX232432	Storing waste exemption	Not on a farm	Storage of waste in secure containers
16	328m SE	STUBBERS GREEN ROAD, WALSALL, WS9 8BL	WEX084905	Disposing of waste exemption	Not on a farm	Burning waste in the open
17	340m E	Aldridge MRF Brickyard Road Walsall West Midlands WS9 8SX	EPR/UE5789D P/A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of waste in a secure place
18	357m W	71, LICHFIELD ROAD, SHELFIELD, WALSALL, WS4 1PU	WEX111043	Disposing of waste exemption	Not on a farm	Disposal by incineration

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 52

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on **page 71**

ID	Location	Company	Address	Activity	Category
B	27m NW	Tank	West Midlands, WS9	Tanks (Generic)	Industrial Features
B	27m NW	Tank	West Midlands, WS9	Tanks (Generic)	Industrial Features
B	44m NW	Tank	West Midlands, WS9	Tanks (Generic)	Industrial Features
B	44m NW	Tank	West Midlands, WS9	Tanks (Generic)	Industrial Features

ID	Location	Company	Address	Activity	Category
F	52m NE	Aldridge Marina	West Midlands, WS9	Moorings and Unloading Facilities	Water
F	55m NE	Electricity Sub Station	West Midlands, WS9	Electrical Features	Infrastructure and Facilities
G	63m NE	Chemique	Unit 21, Empire Industrial Park, Aldridge, Walsall, West Midlands, WS9 8UQ	Adhesives and Sealants	Industrial Products
B	76m NW	Works	West Midlands, WS9	Unspecified Works Or Factories	Industrial Features
G	88m NE	Excel Print Ltd	Unit 23-24, Empire Industrial Park, Aldridge, Walsall, West Midlands, WS9 8UQ	Plate Makers, Print Finishers and Type Setters	IT, Advertising, Marketing and Media Services
H	91m NE	Venture Building Plastics	Unit 76-77, Empire Industrial Park, Aldridge, Walsall, West Midlands, WS9 8UY	Construction Completion Services	Construction Services
I	94m NE	Bunzl Machine Repair Services	Bcms House Unit 89-90, Empire Industrial Park, Aldridge, Walsall, West Midlands, WS9 8UY	Cleaning Equipment and Supplies	Industrial Products
I	95m NE	Greenham Trading	Unit 89-90, Empire Industrial Park, Aldridge, Walsall, West Midlands, WS9 8UY	Special Purpose Machinery and Equipment	Industrial Products
I	97m NE	Ebrex	Unit 91 Empire Industrial Park, Brickyard Road, Aldridge, West Midlands, WS9 8UY	Distribution and Haulage	Transport, Storage and Delivery
J	118m N	B & D Plastics Midlands Ltd	Units 93-94 Brickyard Road, Aldridge, Walsall, West Midlands, WS9 8SX	General Construction Supplies	Industrial Products
I	121m NE	Electricity Sub Station	West Midlands, WS9	Electrical Features	Infrastructure and Facilities
K	122m E	2 Excel Logistics Ltd	Unit 27, Empire Industrial Park, Aldridge, Walsall, West Midlands, WS9 8UQ	Distribution and Haulage	Transport, Storage and Delivery
E	124m S	Wienerberger Ltd	175, Stubbers Green Road, Walsall, West Midlands, WS9 8BL	Bricks, Tiles, Clay and Ceramic Products	Industrial Products
B	128m NW	Veolia Environnement	Empire Works, Stubbers Green Road, Walsall, West Midlands, WS9 8BL	Recycling, Reclamation and Disposal	Recycling Services
J	129m N	Bilsing UK Ltd	Unit 95, Brickyard Road, Aldridge, Walsall, West Midlands, WS9 8SX	Lifting and Handling Equipment	Industrial Products



ID	Location	Company	Address	Activity	Category
3	129m NE	Love Joes	Empire Industrial Park, Aldridge, Walsall, West Midlands, WS9 8UR	Fish, Meat and Poultry Products	Foodstuffs
L	130m SW	Seastrike Aluminium Boats	The Marina, Barns Lane, Aldridge, Walsall, West Midlands, WS9 8BQ	Marine Equipment Including Boats and Ships	Industrial Products
J	143m N	S & R Mason Engineering Co	Unit 96-98 Empire Industrial Park, Brickyard Road, Aldridge, Walsall, West Midlands, WS9 8SX	Cooling and Refrigeration	Industrial Products
5	143m NE	Lebronze Alloys	Unit 58, Empire Industrial Park, Aldridge, Walsall, West Midlands, WS9 8UQ	Metals Manufacturers, Fabricators and Stockholders	Industrial Products
O	147m SE	Empire Industrial Park	West Midlands, WS9	Business Parks and Industrial Estates	Industrial Features
L	153m SW	Slipway	West Midlands, WS9	Moorings and Unloading Facilities	Water
P	159m NE	Fastener Solutions	Unit 39, Empire Industrial Park, Aldridge, Walsall, West Midlands, WS9 8UY	General Construction Supplies	Industrial Products
L	162m SW	Slipway	West Midlands, WS9	Moorings and Unloading Facilities	Water
P	165m NE	M R D Automotive	Unit 32, Empire Industrial Park, Aldridge, Walsall, West Midlands, WS9 8UY	Vehicle Repair, Testing and Servicing	Repair and Servicing
O	167m SE	A B I	Unit 13, Empire Industrial Park, Aldridge, Walsall, West Midlands, WS9 8UQ	Construction Completion Services	Construction Services
O	168m SE	J & E Engineering Services Ltd	Unit 12, Empire Industrial Park, Aldridge, Walsall, West Midlands, WS9 8UQ	General Construction Supplies	Industrial Products
J	173m N	Vacuum Furnace Solutions Ltd	Unit 100 Brickyard Road, Aldridge, Walsall, West Midlands, WS9 8SX	Industrial Engineers	Engineering Services
P	176m NE	Battery Solutions	Unit 33-34, Empire Industrial Park, Aldridge, Walsall, West Midlands, WS9 8UY	Electrical Production and Manipulation Equipment	Industrial Products
P	181m NE	Forge Autos	Unit 35, Empire Industrial Park, Aldridge, Walsall, West Midlands, WS9 8UY	Vehicle Repair, Testing and Servicing	Repair and Servicing
O	181m SE	Creative Print UK Ltd	Unit 11, Empire Industrial Park, Aldridge, Walsall, West Midlands, WS9 8UQ	Published Goods	Industrial Products



ID	Location	Company	Address	Activity	Category
Q	183m NE	Chimney	West Midlands, WS9	Chimneys	Industrial Features
R	184m NW	Tank	West Midlands, WS9	Tanks (Generic)	Industrial Features
Q	185m NE	Tank	West Midlands, WS9	Tanks (Generic)	Industrial Features
R	187m NW	Tank	West Midlands, WS9	Tanks (Generic)	Industrial Features
R	189m NW	Tank	West Midlands, WS9	Tanks (Generic)	Industrial Features
T	189m E	Swift Business Solutions	Unit 40 Empire Industrial Park, Brickyard Road, Aldridge, West Midlands, WS9 8UY	Office and Shop Equipment	Industrial Products
R	194m NW	Tank	West Midlands, WS9	Tanks (Generic)	Industrial Features
O	195m SE	Xtec Engineering	Unit 10, Empire Industrial Park, Aldridge, Walsall, West Midlands, WS9 8UQ	Motorsport Services	Sport and Entertainment Support Services
Q	199m NE	Ibstock Brick Ltd	Brickyard Road, Aldridge, Walsall, West Midlands, WS9	Bricks, Tiles, Clay and Ceramic Products	Industrial Products
T	202m E	Goldstar	Unit 38 Empire Industrial Park, Brickyard Road, Aldridge, West Midlands, WS9 8UY	Glass	Industrial Products
Q	209m NE	Works	West Midlands, WS9	Unspecified Works Or Factories	Industrial Features
T	210m NE	Intasprint	Unit 36, Empire Industrial Park, Aldridge, Walsall, West Midlands, WS9 8UY	General Construction Supplies	Industrial Products
6	213m NW	Electricity Sub Station	West Midlands, WS4	Electrical Features	Infrastructure and Facilities
R	217m NW	Tank	West Midlands, WS9	Tanks (Generic)	Industrial Features
8	229m S	Special Formwork	Stubbers Green Road, Walsall, West Midlands, WS9 8BN	Metals Manufacturers, Fabricators and Stockholders	Industrial Products
Q	231m NE	Tanks	West Midlands, WS9	Tanks (Generic)	Industrial Features
11	247m E	Theo's	Unit 45, Empire Industrial Park, Aldridge, Walsall, West Midlands, WS9 8UY	Catering and Non Specific Food Products	Foodstuffs
12	250m NE	Tank	West Midlands, WS9	Tanks (Generic)	Industrial Features

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 71**

ID	Location	Company	Address	LPG	Status
7	222m N	OBSOLETE	Lichfield Road, Shelfield, Walsall, West Midlands, WS4 1PQ	Not Applicable	Obsolete

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

2

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

Features are displayed on the Current industrial land use map on **page 71**

ID	Location	Company	Address	Operational status	Tier
B	On site	Veolia ES (UK) Limited	Veolia ES (UK) Limited, Walsall Empire Works, Empire Works, Stubbers Green Road, Walsall, West Midlands, WS9 8BL	Current COMAH Site	COMAH Lower Tier Operator
E	49m SW	Sarp Facilities Management Ltd	Sarp Facilities Management Ltd, Empire Works, Stubbers Green Road, Walsall, WS9 8BL	Historical NIHHS Site	-

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

1

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

Features are displayed on the Current industrial land use map on **page 71**

ID	Location	Details
E	131m SE	<p>Application reference number: BC60119P Application status: Approved Application date: No Details Address: Veolia ES (UK) Ltd, Empire Works, Stubbers Green Road, Aldridge, Walsall, West Midlands, England, WS9 8BL</p> <p>Details: Storage of Cyanide Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified</p>

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

79

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

Features are displayed on the Current industrial land use map on **page 71**

ID	Location	Details	
M	143m N	Operator: VEOLIA ES (UK) LIMITED Installation Name: EMPIRE TREATMENT WORKS Process: OTHER WASTE DISPOSAL; HAZARDOUS WASTE >10T/D Permit Number: EP3830WS Original Permit Number: XP3037SE	EPR Reference: - Issue Date: 05/03/2015 Effective Date: 05/03/2015 Last date noted as effective: 01/07/2016 Status: EFFECTIVE
M	143m N	Operator: VEOLIA ES (UK) LIMITED Installation Name: EMPIRE TREATMENT WORKS - EPR/XP3037SE Process: ASSOCIATED PROCESS Permit Number: CP3234DB Original Permit Number: XP3037SE	EPR Reference: - Issue Date: 17/03/2017 Effective Date: 17/03/2017 Last date noted as effective: 01/10/2021 Status: SUPERCEDED
M	143m N	Operator: VEOLIA ES (UK) LIMITED Installation Name: EMPIRE TREATMENT WORKS - EPR/XP3037SE Process: OTHER WASTE DISPOSAL; HAZARDOUS WASTE >10T/D Permit Number: NP3239QF Original Permit Number: XP3037SE	EPR Reference: - Issue Date: 19/03/2019 Effective Date: 19/03/2019 Last date noted as effective: 01/10/2021 Status: EFFECTIVE
M	143m N	Operator: VEOLIA ES (UK) LIMITED Installation Name: EMPIRE TREATMENT WORKS Process: ASSOCIATED PROCESS Permit Number: PP3535KU Original Permit Number: XP3037SE	EPR Reference: - Issue Date: 22/02/2010 Effective Date: 22/02/2010 Last date noted as effective: 01/10/2021 Status: SUPERCEDED



ID	Location	Details	
M	143m N	Operator: VEOLIA ES (UK) LIMITED Installation Name: EMPIRE TREATMENT WORKS Process: OTHER WASTE DISPOSAL; HAZARDOUS WASTE >10T/D Permit Number: XP3037SE Original Permit Number: XP3037SE	EPR Reference: - Issue Date: 24/11/2006 Effective Date: 24/11/2006 Last date noted as effective: 01/10/2021 Status: SUPERCEDED
M	143m N	Operator: VEOLIA ES (UK) LIMITED Installation Name: EMPIRE TREATMENT WORKS Process: OTHER WASTE DISPOSAL; HAZARDOUS WASTE >10T/D Permit Number: YP3335XQ Original Permit Number: XP3037SE	EPR Reference: - Issue Date: 20/03/2008 Effective Date: 20/03/2008 Last date noted as effective: 01/10/2021 Status: SUPERCEDED
M	143m N	Operator: VEOLIA ES (UK) LIMITED Installation Name: EMPIRE TREATMENT WORKS Process: OTHER WASTE DISPOSAL; WASTE OILS >10 T/D Permit Number: YP3335XQ Original Permit Number: XP3037SE	EPR Reference: - Issue Date: 20/03/2008 Effective Date: 20/03/2008 Last date noted as effective: 01/10/2021 Status: SUPERCEDED
M	143m N	Operator: VEOLIA ES (UK) LIMITED Installation Name: EMPIRE TREATMENT WORKS Process: ASSOCIATED PROCESS Permit Number: SP3338EM Original Permit Number: XP3037SE	EPR Reference: - Issue Date: 13/12/2013 Effective Date: 13/12/2013 Last date noted as effective: 01/10/2021 Status: SUPERCEDED
M	143m N	Operator: VEOLIA ES (UK) LIMITED Installation Name: EMPIRE TREATMENT WORKS Process: OTHER WASTE DISPOSAL; HAZARDOUS WASTE >10T/D Permit Number: SP3338EM Original Permit Number: XP3037SE	EPR Reference: - Issue Date: 13/12/2013 Effective Date: 13/12/2013 Last date noted as effective: 01/10/2021 Status: SUPERCEDED
M	143m N	Operator: VEOLIA ES (UK) LIMITED Installation Name: EMPIRE TREATMENT WORKS - EPR/XP3037SE Process: OTHER WASTE DISPOSAL; HAZARDOUS WASTE >10T/D Permit Number: CP3234DB Original Permit Number: XP3037SE	EPR Reference: - Issue Date: 17/03/2017 Effective Date: 17/03/2017 Last date noted as effective: 01/10/2021 Status: SUPERCEDED
M	143m N	Operator: VEOLIA ES (UK) LIMITED Installation Name: EMPIRE TREATMENT WORKS Process: ASSOCIATED PROCESS Permit Number: EP3536HW Original Permit Number: XP3037SE	EPR Reference: - Issue Date: 26/01/2011 Effective Date: 26/01/2011 Last date noted as effective: 01/10/2021 Status: SUPERCEDED



ID	Location	Details	
M	143m N	Operator: VEOLIA ES (UK) LIMITED Installation Name: EMPIRE TREATMENT WORKS Process: OTHER WASTE DISPOSAL; HAZARDOUS WASTE >10T/D Permit Number: XP3037SE Original Permit Number: XP3037SE	EPR Reference: - Issue Date: 24/11/2006 Effective Date: 24/11/2006 Last date noted as effective: 01/10/2021 Status: SUPERCEDED
M	143m N	Operator: VEOLIA ES (UK) LIMITED Installation Name: EMPIRE TREATMENT WORKS Process: OTHER WASTE DISPOSAL; WASTE OILS >10 T/D Permit Number: XP3037SE Original Permit Number: XP3037SE	EPR Reference: - Issue Date: 24/11/2006 Effective Date: 24/11/2006 Last date noted as effective: 01/10/2021 Status: SUPERCEDED
M	143m N	Operator: VEOLIA ES (UK) LIMITED Installation Name: EMPIRE TREATMENT WORKS Process: OTHER WASTE DISPOSAL; HAZARDOUS WASTE >10T/D Permit Number: YP3335XQ Original Permit Number: XP3037SE	EPR Reference: - Issue Date: 20/03/2008 Effective Date: 20/03/2008 Last date noted as effective: 01/10/2021 Status: SUPERCEDED
M	143m N	Operator: VEOLIA ES (UK) LIMITED Installation Name: EMPIRE TREATMENT WORKS - EPR/XP3037SE Process: OTHER WASTE DISPOSAL; WASTE OILS >10 T/D Permit Number: NP3239QF Original Permit Number: XP3037SE	EPR Reference: - Issue Date: 19/03/2019 Effective Date: 19/03/2019 Last date noted as effective: 15/05/2020 Status: EFFECTIVE
M	143m N	Operator: VEOLIA ES (UK) LIMITED Installation Name: EMPIRE TREATMENT WORKS Process: OTHER WASTE DISPOSAL; HAZARDOUS WASTE >10T/D Permit Number: EP3536HW Original Permit Number: XP3037SE	EPR Reference: - Issue Date: 26/01/2011 Effective Date: 26/01/2011 Last date noted as effective: 01/10/2021 Status: SUPERCEDED
M	143m N	Operator: VEOLIA ES (UK) LIMITED Installation Name: EMPIRE TREATMENT WORKS Process: OTHER WASTE DISPOSAL; WASTE OILS >10 T/D Permit Number: EP3536HW Original Permit Number: XP3037SE	EPR Reference: - Issue Date: 26/01/2011 Effective Date: 26/01/2011 Last date noted as effective: 01/10/2021 Status: SUPERCEDED
M	143m N	Operator: VEOLIA ES (UK) LIMITED Installation Name: EMPIRE TREATMENT WORKS Process: DISPOSAL OR RECOVERY OF HAZARDOUS WASTE WITH A CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING PHYSICO-CHEMICAL TREATMENT Permit Number: EP3830WS Original Permit Number: XP3037SE	EPR Reference: - Issue Date: 05/03/2015 Effective Date: 05/03/2015 Last date noted as effective: 01/10/2021 Status: SUPERCEDED



ID	Location	Details	
M	143m N	Operator: VEOLIA ES (UK) LIMITED Installation Name: EMPIRE TREATMENT WORKS Process: OTHER WASTE DISPOSAL; WASTE OILS >10 T/D Permit Number: EP3830WS Original Permit Number: XP3037SE	EPR Reference: - Issue Date: 05/03/2015 Effective Date: 05/03/2015 Last date noted as effective: 01/10/2021 Status: SUPERCEDED
M	143m N	Operator: VEOLIA ES (UK) LIMITED Installation Name: EMPIRE TREATMENT WORKS - EPR/XP3037SE Process: ASSOCIATED PROCESS Permit Number: NP3239QF Original Permit Number: XP3037SE	EPR Reference: - Issue Date: 19/03/2019 Effective Date: 19/03/2019 Last date noted as effective: 01/10/2021 Status: EFFECTIVE
M	143m N	Operator: VEOLIA ES (UK) LIMITED Installation Name: EMPIRE TREATMENT WORKS - EPR/XP3037SE Process: DISPOSAL OR RECOVERY OF HAZARDOUS WASTE WITH A CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING PHYSICO-CHEMICAL TREATMENT Permit Number: NP3239QF Original Permit Number: XP3037SE	EPR Reference: - Issue Date: 19/03/2019 Effective Date: 19/03/2019 Last date noted as effective: 01/10/2021 Status: EFFECTIVE
M	143m N	Operator: VEOLIA ES (UK) LIMITED Installation Name: EMPIRE TREATMENT WORKS Process: OTHER WASTE DISPOSAL; HAZARDOUS WASTE >10T/D Permit Number: SP3338EM Original Permit Number: XP3037SE	EPR Reference: - Issue Date: 13/12/2013 Effective Date: 13/12/2013 Last date noted as effective: 01/10/2021 Status: SUPERCEDED
M	143m N	Operator: VEOLIA ES (UK) LIMITED Installation Name: EMPIRE TREATMENT WORKS Process: ASSOCIATED PROCESS Permit Number: XP3037SE Original Permit Number: XP3037SE	EPR Reference: - Issue Date: 24/11/2006 Effective Date: 24/11/2006 Last date noted as effective: 01/10/2021 Status: SUPERCEDED
M	143m N	Operator: VEOLIA ES (UK) LIMITED Installation Name: EMPIRE TREATMENT WORKS Process: OTHER WASTE DISPOSAL; WASTE OILS >10 T/D Permit Number: PP3535KU Original Permit Number: XP3037SE	EPR Reference: - Issue Date: 22/02/2010 Effective Date: 22/02/2010 Last date noted as effective: 01/10/2021 Status: SUPERCEDED
M	143m N	Operator: VEOLIA ES (UK) LIMITED Installation Name: EMPIRE TREATMENT WORKS - EPR/XP3037SE Process: OTHER WASTE DISPOSAL; HAZARDOUS WASTE >10T/D Permit Number: NP3239QF Original Permit Number: XP3037SE	EPR Reference: - Issue Date: 19/03/2019 Effective Date: 19/03/2019 Last date noted as effective: 15/05/2020 Status: EFFECTIVE



ID	Location	Details	
M	143m N	Operator: VEOLIA ES (UK) LIMITED Installation Name: EMPIRE TREATMENT WORKS - EPR/XP3037SE Process: OTHER WASTE DISPOSAL; HAZARDOUS WASTE >10T/D Permit Number: CP3234DB Original Permit Number: XP3037SE	EPR Reference: - Issue Date: 17/03/2017 Effective Date: 17/03/2017 Last date noted as effective: 01/10/2021 Status: SUPERCEDED
M	143m N	Operator: VEOLIA ES (UK) LIMITED Installation Name: EMPIRE TREATMENT WORKS - EPR/XP3037SE Process: OTHER WASTE DISPOSAL; WASTE OILS >10 T/D Permit Number: CP3234DB Original Permit Number: XP3037SE	EPR Reference: - Issue Date: 17/03/2017 Effective Date: 17/03/2017 Last date noted as effective: 01/10/2021 Status: SUPERCEDED
M	143m N	Operator: VEOLIA ES (UK) LIMITED Installation Name: EMPIRE TREATMENT WORKS Process: OTHER WASTE DISPOSAL; HAZARDOUS WASTE >10T/D Permit Number: EP3536HW Original Permit Number: XP3037SE	EPR Reference: - Issue Date: 26/01/2011 Effective Date: 26/01/2011 Last date noted as effective: 01/10/2021 Status: SUPERCEDED
M	143m N	Operator: VEOLIA ES (UK) LIMITED Installation Name: EMPIRE TREATMENT WORKS Process: ASSOCIATED PROCESS Permit Number: EP3830WS Original Permit Number: XP3037SE	EPR Reference: - Issue Date: 05/03/2015 Effective Date: 05/03/2015 Last date noted as effective: 01/10/2021 Status: SUPERCEDED
M	143m N	Operator: VEOLIA ES (UK) LIMITED Installation Name: EMPIRE TREATMENT WORKS Process: OTHER WASTE DISPOSAL; HAZARDOUS WASTE >10T/D Permit Number: EP3830WS Original Permit Number: XP3037SE	EPR Reference: - Issue Date: 05/03/2015 Effective Date: 05/03/2015 Last date noted as effective: 01/10/2021 Status: SUPERCEDED
M	143m N	Operator: VEOLIA ES (UK) LIMITED Installation Name: EMPIRE TREATMENT WORKS - EPR/XP3037SE Process: DISPOSAL OR RECOVERY OF HAZ WASTE WITH CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING REPACKAGING PRIOR TO SUBMISSION TO ANY OF THE OTHER ACTIVITIES LISTED IN THIS SECTION OR IN SECTION 5.1 Permit Number: NP3239QF Original Permit Number: XP3037SE	EPR Reference: - Issue Date: 19/03/2019 Effective Date: 19/03/2019 Last date noted as effective: 01/10/2021 Status: EFFECTIVE



ID	Location	Details	
M	143m N	Operator: VEOLIA ES (UK) LIMITED Installation Name: EMPIRE TREATMENT WORKS - EPR/XP3037SE Process: TEMPORARY STORAGE OF HAZ WASTE NOT UNDER S 5.2 PENDING ACTIVITIES LISTED IN S 5.1, 5.2, 5.3 AND PARAGRAPH (B) OF THIS SECTION WITH A TOTAL CAPACITY > 50 TONNES, EXCL TEMP STORAGE WHERE GENERATED Permit Number: NP3239QF Original Permit Number: XP3037SE	EPR Reference: - Issue Date: 19/03/2019 Effective Date: 19/03/2019 Last date noted as effective: 01/10/2021 Status: EFFECTIVE
M	143m N	Operator: VEOLIA ES (UK) LIMITED Installation Name: EMPIRE TREATMENT WORKS Process: OTHER WASTE DISPOSAL; HAZARDOUS WASTE >10T/D Permit Number: PP3535KU Original Permit Number: XP3037SE	EPR Reference: - Issue Date: 22/02/2010 Effective Date: 22/02/2010 Last date noted as effective: 01/10/2021 Status: SUPERCEDED
M	143m N	Operator: VEOLIA ES (UK) LIMITED Installation Name: EMPIRE TREATMENT WORKS Process: OTHER WASTE DISPOSAL; HAZARDOUS WASTE >10T/D Permit Number: PP3535KU Original Permit Number: XP3037SE	EPR Reference: - Issue Date: 22/02/2010 Effective Date: 22/02/2010 Last date noted as effective: 01/10/2021 Status: SUPERCEDED
M	143m N	Operator: VEOLIA ES (UK) LIMITED Installation Name: EMPIRE TREATMENT WORKS Process: OTHER WASTE DISPOSAL; WASTE OILS >10 T/D Permit Number: SP3338EM Original Permit Number: XP3037SE	EPR Reference: - Issue Date: 13/12/2013 Effective Date: 13/12/2013 Last date noted as effective: 01/10/2021 Status: SUPERCEDED
M	143m N	Operator: VEOLIA ES (UK) LIMITED Installation Name: EMPIRE TREATMENT WORKS Process: ASSOCIATED PROCESS Permit Number: YP3335XQ Original Permit Number: XP3037SE	EPR Reference: - Issue Date: 20/03/2008 Effective Date: 20/03/2008 Last date noted as effective: 01/10/2021 Status: SUPERCEDED
V	287m NE	Operator: CORY ENVIRONMENTAL (CENTRAL) LIMITED Installation Name: VIGO UTOPIA LEACHATE TREATMENT PLANT Process: OTHER WASTE DISPOSAL; NON-HAZARDOUS WASTE >50T/D BY BIOLOGICAL TREATMENT Permit Number: RP3638UB Original Permit Number: MP3631LY	EPR Reference: - Issue Date: 07/01/2008 Effective Date: 07/01/2008 Last date noted as effective: 01/10/2021 Status: SUPERCEDED
V	287m NE	Operator: ENOVERT NORTH LIMITED Installation Name: VIGO UTOPIA LEACHATE TREATMENT PLANT Process: ASSOCIATED PROCESS Permit Number: WP3532DQ Original Permit Number: MP3631LY	EPR Reference: - Issue Date: 23/01/2018 Effective Date: 23/01/2018 Last date noted as effective: 01/10/2021 Status: SUPERCEDED



ID	Location	Details	
V	287m NE	Operator: ENOVERT NORTH LIMITED Installation Name: VIGO UTOPIA LEACHATE TREATMENT PLANT Process: DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING BIOLOGICAL TREATMENT Permit Number: WP3834JE Original Permit Number: MP3631LY	EPR Reference: - Issue Date: 12/10/2018 Effective Date: 12/10/2018 Last date noted as effective: 01/10/2021 Status: SUPERCEDED
V	287m NE	Operator: CORY ENVIRONMENTAL (CENTRAL) LIMITED Installation Name: VIGO UTOPIA LEACHATE TREATMENT PLANT Process: DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING BIOLOGICAL TREATMENT Permit Number: JP3333ET Original Permit Number: MP3631LY	EPR Reference: - Issue Date: 07/11/2013 Effective Date: 07/11/2013 Last date noted as effective: 01/10/2021 Status: SUPERCEDED
V	287m NE	Operator: CORY ENVIRONMENTAL (CENTRAL) LIMITED Installation Name: VIGO UTOPIA LEACHATE TREATMENT PLANT Process: OTHER WASTE DISPOSAL; NON-HAZARDOUS WASTE >50T/D BY BIOLOGICAL TREATMENT Permit Number: MP3631LY Original Permit Number: MP3631LY	EPR Reference: - Issue Date: 07/11/2006 Effective Date: 07/11/2006 Last date noted as effective: 01/10/2021 Status: SUPERCEDED
V	287m NE	Operator: CORY ENVIRONMENTAL (CENTRAL) LIMITED Installation Name: VIGO UTOPIA LEACHATE TREATMENT PLANT Process: ASSOCIATED PROCESS Permit Number: JP3333ET Original Permit Number: MP3631LY	EPR Reference: - Issue Date: 07/11/2013 Effective Date: 07/11/2013 Last date noted as effective: 01/10/2021 Status: SUPERCEDED
V	287m NE	Operator: ENOVERT NORTH LIMITED Installation Name: VIGO UTOPIA LEACHATE TREATMENT PLANT Process: DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING BIOLOGICAL TREATMENT Permit Number: WP3532DQ Original Permit Number: MP3631LY	EPR Reference: - Issue Date: 23/01/2018 Effective Date: 23/01/2018 Last date noted as effective: 01/10/2021 Status: SUPERCEDED
V	287m NE	Operator: ENOVERT NORTH LIMITED Installation Name: VIGO UTOPIA LEACHATE TREATMENT PLANT Process: ASSOCIATED PROCESS Permit Number: WP3834JE Original Permit Number: MP3631LY	EPR Reference: - Issue Date: 12/10/2018 Effective Date: 12/10/2018 Last date noted as effective: 01/10/2021 Status: SUPERCEDED



ID	Location	Details	
Y	358m N	Operator: CORY ENVIRONMENTAL LTD Installation Name: HIGHFIELDS SOUTH LANDFILL SITE Process: WASTE LANDFILLING; >10 T/D WITH CAPACITY >25,000T EXCLUDING INERT WASTE Permit Number: BP3034TC Original Permit Number: NP3135SL	EPR Reference: - Issue Date: 08/06/2010 Effective Date: 08/06/2010 Last date noted as effective: 01/10/2021 Status: SUPERCEDED
Y	358m N	Operator: CORY ENVIRONMENTAL (CENTRAL) LIMITED Installation Name: HIGHFIELDS SOUTH LANDFILL SITE Process: WASTE LANDFILLING; >10 T/D WITH CAPACITY >25,000T EXCLUDING INERT WASTE Permit Number: QP3636AP Original Permit Number: NP3135SL	EPR Reference: - Issue Date: 16/09/2015 Effective Date: 16/09/2015 Last date noted as effective: 01/10/2021 Status: SUPERCEDED
Y	358m N	Operator: CORY ENVIRONMENTAL LTD Installation Name: HIGHFIELDS SOUTH LANDFILL SITE Process: WASTE LANDFILLING; >10 T/D WITH CAPACITY >25,000T EXCLUDING INERT WASTE Permit Number: VP3732XJ Original Permit Number: NP3135SL	EPR Reference: - Issue Date: 28/05/2008 Effective Date: 28/05/2008 Last date noted as effective: 01/10/2021 Status: SUPERCEDED
Y	358m N	Operator: ENOVERT NORTH LIMITED Installation Name: HIGHFIELDS SOUTH LANDFILL SITE EPR/NP3135SL Process: WASTE LANDFILLING; >10 T/D WITH CAPACITY >25,000T EXCLUDING INERT WASTE Permit Number: DP3001BF Original Permit Number: NP3135SL	EPR Reference: - Issue Date: 20/03/2020 Effective Date: 20/03/2020 Last date noted as effective: 01/10/2021 Status: EFFECTIVE
Y	358m N	Operator: CORY ENVIRONMENTAL LTD Installation Name: HIGHFIELDS SOUTH LANDFILL SITE Process: WASTE LANDFILLING; >10 T/D WITH CAPACITY >25,000T EXCLUDING INERT WASTE Permit Number: NP3135SL Original Permit Number: NP3135SL	EPR Reference: - Issue Date: 21/07/2006 Effective Date: 21/07/2006 Last date noted as effective: 01/10/2021 Status: SUPERCEDED
Y	358m N	Operator: ENOVERT NORTH LIMITED Installation Name: HIGHFIELDS SOUTH LANDFILL SITE EPR/NP3135SL Process: WASTE LANDFILLING; >10 T/D WITH CAPACITY >25,000T EXCLUDING INERT WASTE Permit Number: TP3134JJ Original Permit Number: NP3135SL	EPR Reference: - Issue Date: 26/02/2018 Effective Date: 26/02/2018 Last date noted as effective: 01/10/2021 Status: SUPERCEDED
AA	424m NE	Operator: CORY ENVIRONMENTAL (CENTRAL) LTD Installation Name: VIGO UTOPIA LANDFILL SITE EPR/BV2999IJ Process: OTHER WASTE DISPOSAL; NON-HAZARDOUS WASTE >50T/D BY BIOLOGICAL TREATMENT Permit Number: PP3434TH Original Permit Number: BV2999IJ	EPR Reference: - Issue Date: 08/06/2010 Effective Date: 08/06/2010 Last date noted as effective: 01/10/2021 Status: SUPERCEDED



ID	Location	Details	
AA	424m NE	Operator: CORY ENVIRONMENTAL LTD Installation Name: VIGO UTOPIA LANDFILL SITE EPR/BV2999IJ Process: WASTE LANDFILLING; ANY OTHER LANDFILL TO WHICH THE 2002 LANDFILL REGULATIONS APPLY Permit Number: BV2999IJ Original Permit Number: BV2999IJ	EPR Reference: - Issue Date: 06/05/2005 Effective Date: 06/05/2005 Last date noted as effective: 01/10/2021 Status: SUPERCEDED
AA	424m NE	Operator: ENOVERT NORTH LIMITED Installation Name: VIGO UTOPIA LANDFILL SITE EPR/BV2999IJ Process: DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING BIOLOGICAL TREATMENT Permit Number: HP3735QG Original Permit Number: BV2999IJ	EPR Reference: - Issue Date: 12/10/2018 Effective Date: 12/10/2018 Last date noted as effective: 01/10/2021 Status: SUPERCEDED
AA	424m NE	Operator: CORY ENVIRONMENTAL LTD Installation Name: - Process: WASTE LANDFILLING; ANY OTHER LANDFILL TO WHICH THE 2002 LANDFILL REGULATIONS APPLY Permit Number: BV2999 Original Permit Number: BV2999	EPR Reference: - Issue Date: - Effective Date: - Last date noted as effective: 01/10/2004 Status: SUPERSEDED BY PAS
AA	424m NE	Operator: CORY ENVIRONMENTAL (CENTRAL) LTD Installation Name: VIGO UTOPIA LANDFILL SITE EPR/BV2999IJ Process: ASSOCIATED PROCESS Permit Number: BP3935NS Original Permit Number: BV2999IJ	EPR Reference: - Issue Date: 30/05/2013 Effective Date: 30/05/2013 Last date noted as effective: 01/10/2021 Status: SUPERCEDED
AA	424m NE	Operator: ENOVERT NORTH LIMITED Installation Name: VIGO UTOPIA LANDFILL SITE EPR/BV2999IJ Process: WASTE LANDFILLING; >10 T/D WITH CAPACITY >25,000T EXCLUDING INERT WASTE Permit Number: HP3034JK Original Permit Number: BV2999IJ	EPR Reference: - Issue Date: 26/02/2018 Effective Date: 26/02/2018 Last date noted as effective: 01/10/2021 Status: SUPERCEDED
AA	424m NE	Operator: ENOVERT NORTH LIMITED Installation Name: VIGO UTOPIA LANDFILL SITE EPR/BV2999IJ Process: WASTE LANDFILLING; ANY OTHER LANDFILL TO WHICH THE 2002 LANDFILL REGULATIONS APPLY Permit Number: HP3034JK Original Permit Number: BV2999IJ	EPR Reference: - Issue Date: 26/02/2018 Effective Date: 26/02/2018 Last date noted as effective: 01/10/2021 Status: SUPERCEDED



ID	Location	Details	
AA	424m NE	Operator: ENOVERT NORTH LIMITED Installation Name: VIGO UTOPIA LANDFILL SITE EPR/BV2999IJ Process: ASSOCIATED PROCESS Permit Number: HP3735QG Original Permit Number: BV2999IJ	EPR Reference: - Issue Date: 12/10/2018 Effective Date: 12/10/2018 Last date noted as effective: 01/10/2021 Status: SUPERCEDED
AA	424m NE	Operator: ENOVERT NORTH LIMITED Installation Name: VIGO UTOPIA LANDFILL SITE EPR/BV2999IJ Process: DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING BIOLOGICAL TREATMENT Permit Number: RP3901BR Original Permit Number: BV2999IJ	EPR Reference: - Issue Date: 20/03/2020 Effective Date: 20/03/2020 Last date noted as effective: 01/10/2021 Status: EFFECTIVE
AA	424m NE	Operator: ENOVERT NORTH LIMITED Installation Name: VIGO UTOPIA LANDFILL SITE EPR/BV2999IJ Process: WASTE LANDFILLING; >10 T/D WITH CAPACITY >25,000T EXCLUDING INERT WASTE Permit Number: RP3901BR Original Permit Number: BV2999IJ	EPR Reference: - Issue Date: 20/03/2020 Effective Date: 20/03/2020 Last date noted as effective: 01/10/2021 Status: EFFECTIVE
AA	424m NE	Operator: CORY ENVIRONMENTAL (CENTRAL) LTD Installation Name: VIGO UTOPIA LANDFILL SITE EPR/BV2999IJ Process: WASTE LANDFILLING; ANY OTHER LANDFILL TO WHICH THE 2002 LANDFILL REGULATIONS APPLY Permit Number: LP3331RD Original Permit Number: BV2999IJ	EPR Reference: - Issue Date: 14/06/2016 Effective Date: 14/06/2016 Last date noted as effective: 01/10/2021 Status: SUPERCEDED
AA	424m NE	Operator: CORY ENVIRONMENTAL (CENTRAL) LTD Installation Name: VIGO UTOPIA LANDFILL SITE EPR/BV2999IJ Process: WASTE LANDFILLING; ANY OTHER LANDFILL TO WHICH THE 2002 LANDFILL REGULATIONS APPLY Permit Number: PP3434TH Original Permit Number: BV2999IJ	EPR Reference: - Issue Date: 08/06/2010 Effective Date: 08/06/2010 Last date noted as effective: 01/10/2021 Status: SUPERCEDED
AA	424m NE	Operator: CORY ENVIRONMENTAL (CENTRAL) LTD Installation Name: VIGO UTOPIA LANDFILL SITE EPR/BV2999IJ Process: WASTE LANDFILLING; ANY OTHER LANDFILL TO WHICH THE 2002 LANDFILL REGULATIONS APPLY Permit Number: BP3935NS Original Permit Number: BV2999IJ	EPR Reference: - Issue Date: 30/05/2013 Effective Date: 30/05/2013 Last date noted as effective: 01/10/2021 Status: SUPERCEDED



ID	Location	Details	
AA	424m NE	Operator: CORY ENVIRONMENTAL (CENTRAL) LTD Installation Name: VIGO UTOPIA LANDFILL SITE EPR/BV2999IJ Process: ASSOCIATED PROCESS Permit Number: LP3331RD Original Permit Number: BV2999IJ	EPR Reference: - Issue Date: 14/06/2016 Effective Date: 14/06/2016 Last date noted as effective: 01/10/2021 Status: SUPERCEDED
AA	424m NE	Operator: CORY ENVIRONMENTAL (CENTRAL) LTD Installation Name: VIGO UTOPIA LANDFILL SITE EPR/BV2999IJ Process: WASTE LANDFILLING; >10 T/D WITH CAPACITY >25,000T EXCLUDING INERT WASTE Permit Number: LP3331RD Original Permit Number: BV2999IJ	EPR Reference: - Issue Date: 14/06/2016 Effective Date: 14/06/2016 Last date noted as effective: 01/10/2021 Status: SUPERCEDED
AA	424m NE	Operator: CORY ENVIRONMENTAL (CENTRAL) LTD Installation Name: VIGO UTOPIA LANDFILL SITE EPR/BV2999IJ Process: WASTE LANDFILLING; ANY OTHER LANDFILL TO WHICH THE 2002 LANDFILL REGULATIONS APPLY Permit Number: LP3331RD Original Permit Number: BV2999IJ	EPR Reference: - Issue Date: 14/06/2016 Effective Date: 14/06/2016 Last date noted as effective: 01/07/2016 Status: EFFECTIVE
AA	424m NE	Operator: ENOVERT NORTH LIMITED Installation Name: VIGO UTOPIA LANDFILL SITE EPR/BV2999IJ Process: WASTE LANDFILLING; ANY OTHER LANDFILL TO WHICH THE 2002 LANDFILL REGULATIONS APPLY Permit Number: HP3735QG Original Permit Number: BV2999IJ	EPR Reference: - Issue Date: - Effective Date: - Last date noted as effective: 03/12/2018 Status: DETERMINATION
AA	424m NE	Operator: ENOVERT NORTH LIMITED Installation Name: VIGO UTOPIA LANDFILL SITE EPR/BV2999IJ Process: ASSOCIATED PROCESS Permit Number: HP3034JK Original Permit Number: BV2999IJ	EPR Reference: - Issue Date: 26/02/2018 Effective Date: 26/02/2018 Last date noted as effective: 01/10/2021 Status: SUPERCEDED
AA	424m NE	Operator: ENOVERT NORTH LIMITED Installation Name: VIGO UTOPIA LANDFILL SITE EPR/BV2999IJ Process: WASTE LANDFILLING; >10 T/D WITH CAPACITY >25,000T EXCLUDING INERT WASTE Permit Number: HP3735QG Original Permit Number: BV2999IJ	EPR Reference: - Issue Date: 12/10/2018 Effective Date: 12/10/2018 Last date noted as effective: 01/10/2021 Status: SUPERCEDED



ID	Location	Details	
AA	424m NE	Operator: CORY ENVIRONMENTAL (CENTRAL) LTD Installation Name: VIGO UTOPIA LANDFILL SITE EPR/BV2999IJ Process: COMBUSTION; RECOVERED OIL =>3MW BUT 50MW Permit Number: QP3731LL Original Permit Number: BV2999IJ	EPR Reference: - Issue Date: 30/07/2007 Effective Date: 30/07/2007 Last date noted as effective: 01/10/2021 Status: SUPERCEDED
AA	424m NE	Operator: CORY ENVIRONMENTAL (CENTRAL) LTD Installation Name: VIGO UTOPIA LANDFILL SITE EPR/BV2999IJ Process: OTHER WASTE DISPOSAL; NON-HAZARDOUS WASTE >50T/D BY BIOLOGICAL TREATMENT Permit Number: QP3731LL Original Permit Number: BV2999IJ	EPR Reference: - Issue Date: 30/07/2007 Effective Date: 30/07/2007 Last date noted as effective: 01/10/2021 Status: SUPERCEDED
AA	424m NE	Operator: ENOVERT NORTH LIMITED Installation Name: VIGO UTOPIA LANDFILL SITE EPR/BV2999IJ Process: ASSOCIATED PROCESS Permit Number: RP3901BR Original Permit Number: BV2999IJ	EPR Reference: - Issue Date: 20/03/2020 Effective Date: 20/03/2020 Last date noted as effective: 01/10/2021 Status: EFFECTIVE
AA	424m NE	Operator: CORY ENVIRONMENTAL (CENTRAL) LTD Installation Name: VIGO UTOPIA LANDFILL SITE EPR/BV2999IJ Process: ASSOCIATED PROCESS Permit Number: KP3438RF Original Permit Number: BV2999IJ	EPR Reference: - Issue Date: 19/04/2016 Effective Date: 19/04/2016 Last date noted as effective: 01/10/2021 Status: SUPERCEDED
AA	424m NE	Operator: CORY ENVIRONMENTAL (CENTRAL) LTD Installation Name: VIGO UTOPIA LANDFILL SITE EPR/BV2999IJ Process: WASTE LANDFILLING; ANY OTHER LANDFILL TO WHICH THE 2002 LANDFILL REGULATIONS APPLY Permit Number: KP3438RF Original Permit Number: BV2999IJ	EPR Reference: - Issue Date: 19/04/2016 Effective Date: 19/04/2016 Last date noted as effective: 01/10/2021 Status: SUPERCEDED
AA	424m NE	Operator: CORY ENVIRONMENTAL (CENTRAL) LTD Installation Name: VIGO UTOPIA LANDFILL SITE EPR/BV2999IJ Process: COMBUSTION; RECOVERED OIL =>3MW BUT 50MW Permit Number: PP3434TH Original Permit Number: BV2999IJ	EPR Reference: - Issue Date: 08/06/2010 Effective Date: 08/06/2010 Last date noted as effective: 01/10/2021 Status: SUPERCEDED



ID	Location	Details	
AA	424m NE	Operator: CORY ENVIRONMENTAL (CENTRAL) LTD Installation Name: VIGO UTOPIA LANDFILL SITE EPR/BV2999IJ Process: WASTE LANDFILLING; ANY OTHER LANDFILL TO WHICH THE 2002 LANDFILL REGULATIONS APPLY Permit Number: QP3731LL Original Permit Number: BV2999IJ	EPR Reference: - Issue Date: 30/07/2007 Effective Date: 30/07/2007 Last date noted as effective: 01/10/2021 Status: SUPERCEDED
Z	427m S	Operator: CORY ENVIRONMENTAL (CENTRAL) LTD Installation Name: VIGO UTOPIA LANDFILL SITE EPR/BV2999IJ Process: COMBUSTION; RECOVERED OIL =>3MW BUT 50MW Permit Number: VP3237SW Original Permit Number: BV2999IJ	EPR Reference: - Issue Date: 30/03/2006 Effective Date: 31/03/2006 Last date noted as effective: 01/10/2021 Status: SUPERCEDED
Z	427m S	Operator: CORY ENVIRONMENTAL (CENTRAL) LTD Installation Name: VIGO UTOPIA LANDFILL SITE EPR/BV2999IJ Process: WASTE LANDFILLING; ANY OTHER LANDFILL TO WHICH THE 2002 LANDFILL REGULATIONS APPLY Permit Number: VP3237SW Original Permit Number: BV2999IJ	EPR Reference: - Issue Date: 30/03/2006 Effective Date: 31/03/2006 Last date noted as effective: 01/10/2021 Status: SUPERCEDED
Z	427m S	Operator: CORY ENVIRONMENTAL (CENTRAL) LTD Installation Name: VIGO UTOPIA LANDFILL SITE EPR/BV2999IJ Process: OTHER WASTE DISPOSAL; NON-HAZARDOUS WASTE >50T/D BY BIOLOGICAL TREATMENT Permit Number: VP3237SW Original Permit Number: BV2999IJ	EPR Reference: - Issue Date: 30/03/2006 Effective Date: 31/03/2006 Last date noted as effective: 01/10/2021 Status: SUPERCEDED

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

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

Records within 500m

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

Features are displayed on the Current industrial land use map on **page 71**

ID	Location	Address	Details	
E	123m SE	Empire Treatment Works, Stubbers Green Road, Aldridge, Walsall, West Midlands, West Midlands, WS9 8BL	Process: Waste Handling/Treatment Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified



ID	Location	Address	Details	
E	124m S	Wienerberger Ltd, Sandown Works, 175 Stubbers Green Road, Aldridge, Walsall, West Midlands, WS9 8BJ	Process: Manufacture of Clay Status: Current Permit Permit Type: Part A2	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
I	157m NE	Ibstock Brick Ltd, Aldridge Factory, Brickyard Road, Aldridge, Walsall, West Midlands WS9 8TB	Process: Manufacture of Clay Status: Current Permit Permit Type: Part A2	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
K	164m E	Chemique Adhesives & Sealants Ltd (VOC), Unit 21, Empire Close, Aldridge, Walsall, West Midlands, WS9 8UR	Process: Coating Processes Status: Historic Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
K	166m E	Chemique Adhesives & Sealants Ltd (MDI), Unit 21, Empire Close, Aldridge, Walsall, West Midlands, WS9 8UR	Process: Di-isocyanate Processes Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
9	233m SE	T D Services Ltd. Brickyard Road, Aldridge, WS9 8SR	Process: Coating Processes Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
W	305m S	Empire Brickworks Stubbers Green Road, Adridge, Walsall, West Midlands, WS9 8BL	Process: Manufacture of Clay Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
W	317m S	Polymeric Treatments Limited, Empire Works, Stubbers Green Road, Aldridge, Walsall, West Midlands, West Midlands, WS9 8SW	Process: Polymerisation processes Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
18	428m S	Ibstock Brick Ltd, Atlas Works, Stubbers Green Road, Aldridge, Walsall, West Midlands, WS9 8BL	Process: Manufacture of Clay Status: Current Permit Permit Type: Part A2	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
21	450m SE	Interserve Construction Ltd, Brickyard Road, Aldridge, Walsall, WS9 8TA	Process: Respraying of Road Vehicles Status: Historic Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified



ID	Location	Address	Details	
25	490m SE	Aldridge Accident & Repair Centre Ltd, 3 Vigo Place, Aldridge, Walsall, West Midlands, WS9 8UG	Process: Coating Processes Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified

This data is sourced from Local Authority records.

4.12 Radioactive Substance Authorisations

Records within 500m	0
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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	18
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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 71**

ID	Location	Address	Details	
A	On site	SPRING ROAD RUSHALL, SPRING ROAD, RUSHALL, WALSALL, WEST MIDLANDS	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: T/08/22227/O Permit Version: 1 Receiving Water: VIGO BROOK	Status: REVOKED (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 22/02/1993 Effective Date: 22/02/1993 Revocation Date: 23/09/1998
C	On site	THE BRICK BUSINESS, SANDOWN QUARRY, 175 STUBBERS GREEN ROAD, ALDRIDGE, WALSALL, W. MIDS, WS9 8BJ	Effluent Type: TRADE DISCHARGES - SITE DRAINAGE (CONTAM SURFACE WATER, NOT WASTE SIT Permit Number: T/08/22126/T Permit Version: 1 Receiving Water: TRIBUTARY OF THE VIGO BROOK	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: 03/03/1993 Effective Date: 03/03/1993 Revocation Date: 23/02/2003
C	On site	THE BRICK BUSINESS, SANDOWN QUARRY, 175 STUBBERS GREEN ROAD, ALDRIDGE, WALSALL, W. MIDS, WS9 8BJ	Effluent Type: TRADE DISCHARGES - SITE DRAINAGE Permit Number: T/08/22126/T Permit Version: 1 Receiving Water: TRIBUTARY OF THE VIGO BROOK	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: 03/03/1993 Effective Date: 03/03/1993 Revocation Date: 23/02/2003



ID	Location	Address	Details	
D	21m N	THE BRICK BUSINESS, SANDOWN QUARRY, 175 STUBBERS GREEN ROAD, ALDRIDGE, WALSALL, W. MIDS, WS9 8BJ	Effluent Type: TRADE DISCHARGES - MINERAL WORKINGS Permit Number: T/08/35782/T Permit Version: 1 Receiving Water: VIGO BROOK/TRIB VIGO BROOK	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 24/02/2003 Effective Date: 24/02/2003 Revocation Date: -
2	28m SW	THE BRICK BUSINESS, SANDOWN QUARRY, 175 STUBBERS GREEN ROAD, ALDRIDGE, WALSALL, W. MIDS, WS9 8BJ	Effluent Type: TRADE DISCHARGES - MINERAL WORKINGS Permit Number: T/08/35782/T Permit Version: 1 Receiving Water: VIGO BROOK/TRIB VIGO BROOK	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 24/02/2003 Effective Date: 24/02/2003 Revocation Date: -
4	141m N	HIGHFIELDS SOUTH QUARRY, BOATMANS LANE, WALSALL WOOD, WALSALL, WEST MIDLANDS	Effluent Type: TRADE DISCHARGES - MINERAL WORKINGS Permit Number: T/08/35474/T Permit Version: 1 Receiving Water: VIGO BROOK	Status: REVOKED (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 16/08/2000 Effective Date: 16/08/2000 Revocation Date: 28/10/2008
S	187m N	PREMISES AT STUBBER'S GREEN ROAD, ALDRIDGE, NR WALSALL, WEST MIDLANDS	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: T/08/21846/T Permit Version: 1 Receiving Water: VIGO BROOK	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: 08/12/1992 Effective Date: 08/12/1992 Revocation Date: -
S	187m N	PREMISES AT STUBBER'S GREEN ROAD, ALDRIDGE, NR WALSALL, WEST MIDLANDS	Effluent Type: TRADE DISCHARGES - SITE DRAINAGE Permit Number: T/08/07284/T Permit Version: 1 Receiving Water: POLYMERIC BROOK	Status: REVOKED - UNSPECIFIED Issue date: 14/01/1977 Effective Date: 14/01/1977 Revocation Date: 05/03/1987
S	187m N	PREMISES AT STUBBER'S GREEN ROAD, ALDRIDGE, NR WALSALL, WEST MIDLANDS	Effluent Type: TRADE DISCHARGES - SITE DRAINAGE Permit Number: WQ/7/1815 Permit Version: 1 Receiving Water: POLYMERIC BROOK	Status: REVOKED - UNSPECIFIED Issue date: 22/03/1982 Effective Date: 22/03/1982 Revocation Date: 05/03/1987
S	187m N	PREMISES AT STUBBER'S GREEN ROAD, ALDRIDGE, NR WALSALL, WEST MIDLANDS	Effluent Type: TRADE DISCHARGES - SITE DRAINAGE Permit Number: WQ/7/729 Permit Version: 1 Receiving Water: TRIBUTARY OF FORD BROOK	Status: REVOKED - UNSPECIFIED Issue date: 06/04/1979 Effective Date: 06/04/1979 Revocation Date: 05/03/1987



ID	Location	Address	Details	
U	222m SW	RED HOUSE INDUSTRIAL ESTATE, STUBBERS GREEN	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: T/08/22907/W Permit Version: 1 Receiving Water: STUBBERS GREEN BROOK	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: 08/04/1994 Effective Date: 08/04/1994 Revocation Date: 23/08/2005
10	244m S	ATLAS WORKS, STUBBERS GREEN ROAD, ALDRIDGE, WALSALL, WEST MIDLANDS	Effluent Type: TRADE DISCHARGES - MINERAL WORKINGS Permit Number: T/08/20539/T Permit Version: 1 Receiving Water: ANCHOR BROOK	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: 04/12/1990 Effective Date: 04/12/1990 Revocation Date: -
X	309m N	VIGO/UTOPIA & HIGHFIELDS QUARRY, BOATMANS LANE, ALDRIDGE, WEST MIDLANDS	Effluent Type: TRADE DISCHARGES - MINERAL WORKINGS Permit Number: T/08/30256/T Permit Version: 1 Receiving Water: FORD BROOK	Status: REVOKED (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 25/01/1996 Effective Date: 25/01/1996 Revocation Date: 15/08/2000
X	309m N	VIGO/UTOPIA & HIGHFIELDS QUARRY, BOATMANS LANE, ALDRIDGE, WEST MIDLANDS	Effluent Type: TRADE DISCHARGES - MINERAL WORKINGS Permit Number: T/08/30256/T Permit Version: 1 Receiving Water: FORD BROOK	Status: REVOKED (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 25/01/1996 Effective Date: 25/01/1996 Revocation Date: 15/08/2000
15	335m N	VIGO/UTOPIA & HIGHFIELDS QUARRY, BOATMANS LANE, ALDRIDGE, WEST MIDLANDS	Effluent Type: TRADE DISCHARGES - MINERAL WORKINGS Permit Number: T/08/30256/T Permit Version: 1 Receiving Water: FORD BROOK	Status: REVOKED (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 25/01/1996 Effective Date: 25/01/1996 Revocation Date: 15/08/2000
16	342m N	VIGO/UTOPIA & HIGHFIELDS QUARRY, BOATMANS LANE, ALDRIDGE, WEST MIDLANDS	Effluent Type: TRADE DISCHARGES - SITE DRAINAGE Permit Number: T/08/35478/T Permit Version: 1 Receiving Water: VIGO BROOK	Status: REVOKED (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 16/08/2000 Effective Date: 16/08/2000 Revocation Date: 16/05/2005
20	448m NE	BRICKYARD ROAD, ALDRIDGE, WALSALL, WEST MIDLANDS	Effluent Type: TRADE DISCHARGES - SITE DRAINAGE Permit Number: T/08/35004/T Permit Version: 1 Receiving Water: VIGO BROOK	Status: REVOKED (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 29/04/1996 Effective Date: 29/04/1996 Revocation Date: 09/09/2008



ID	Location	Address	Details	
27	499m N	VIGO/UTOPIA & HIGHFIELDS QUARRY, BOATMANS LANE, ALDRIDGE, WEST MIDLANDS	Effluent Type: TRADE DISCHARGES - MINERAL WORKINGS Permit Number: T/08/30256/T Permit Version: 1 Receiving Water: FORD BROOK	Status: REVOKED (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 25/01/1996 Effective Date: 25/01/1996 Revocation Date: 15/08/2000

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

4.14 Pollutant release to surface waters (Red List)

Records within 500m

3

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

Features are displayed on the Current industrial land use map on **page 71**

ID	Location	Address	Details	
S	187m N	ONYX UK LIMITED, PREMISES AT STUBBER'S GREEN ROAD, ALDRIDGE, NR WALSALL, WEST MIDLANDS	Permit Number: T821846W Permit Version: 1 Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Discharge Type: Undefined or Other	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Catchment: UNCATEGORISED UP TRENT Approval Date: 1992-12-08T00:00:00.000Z
S	187m N	ONYX UK LIMITED, PREMISES AT STUBBER'S GREEN ROAD, ALDRIDGE, NR WALSALL, WEST MIDLANDS	Permit Number: T/08/21846/W Permit Version: 1 Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Discharge Type: Undefined or Other	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Catchment: UNCATEGORISED UP TRENT Approval Date: 1992-12-08T00:00:00.000Z
S	187m N	ONYX UK LIMITED, PREMISES AT STUBBER'S GREEN ROAD, ALDRIDGE, NR WALSALL, WEST MIDLANDS	Permit Number: T/08/21846/T Permit Version: 1 Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Discharge Type: Waste Collection/Treatment/Disposal/Materials Recovery	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Catchment: UPPER TAME TO CONF REA Approval Date: 1992-12-08T00:00:00.000Z

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



4.15 Pollutant release to public sewer

Records within 500m

1

Discharges of Special Category Effluents to the public sewer.

Features are displayed on the Current industrial land use map on **page 71**

ID	Location	Address	Details	
Z	397m S	ONYX LEIGH ENVIRONMENTAL LTD, STUBBERS GREEN ROAD, ALDRIDGE, WALSALL, WALSALL	Permission reference: AN5438 Local Authority: BIRMINGHAM CITY COUNCIL First received date: 01/06/2001	Last received date: 01/01/2018 Status: RECEIVED

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

4.16 List 1 Dangerous Substances

Records within 500m

3

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.

Features are displayed on the Current industrial land use map on **page 71**

ID	Location	Name	Status	Receiving Water	Authorised Substances
A	On site	Barnett & Beddows Discharge 2	Not Active	Vigo Brook, River Tame	Mercury (other), Cadmium
S	187m N	Leigh Environmental Polymeric Stubbers Green	Not Active	Vigo Brook, River Tame	Cadmium
Y	358m N	Highfields South Landfill Site	Not Active	-	Mercury (other), Cadmium

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

4.17 List 2 Dangerous Substances

Records within 500m

4

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

Features are displayed on the Current industrial land use map on **page 71**



ID	Location	Name	Status	Receiving Water	Authorised Substances
A	On site	Chelwood Brick Ltd Dis 2, Stubbers Green Road, Walsall	Not Active	Vigo Brook	Arsenic, Chromium, Copper, Lead, Nickel, pH, Zinc
S	187m N	Leigh Environment Stubbers Green Polymeric	Active	Vigo Brook	Chromium, Copper, Lead, Nickel, pH, Zinc
U	222m SW	S-t W Red House Ind Est, bloxwich-stubbers Grn Sws	Not Active	Stubbers Green Brook	Chromium, Copper, Lead, Nickel, pH, Zinc
Y	358m N	Highfields South Landfill, Walsall	Active	Vigo Brook	Arsenic, Nickel, pH

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

4.18 Pollution Incidents (EA/NRW)

Records within 500m

20

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 71**

ID	Location	Details	
1	On site	Incident Date: 30/09/2001 Incident Identification: 33875 Pollutant: Contaminated Water Pollutant Description: Firefighting Run-Off	Water Impact: Category 3 (Minor) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
C	1m SW	Incident Date: 20/03/2002 Incident Identification: 65310 Pollutant: Pollutant Not Identified Pollutant Description: Not Identified	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
D	9m N	Incident Date: 22/09/2003 Incident Identification: 191735 Pollutant: Inert Materials and Wastes Pollutant Description: Soils and Clay	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
H	75m NE	Incident Date: 21/09/2003 Incident Identification: 191459 Pollutant: Atmospheric Pollutants and Effects:Contaminated Water Pollutant Description: Smoke:Firefighting Run-Off	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
N	145m S	Incident Date: 22/09/2001 Incident Identification: 32272 Pollutant: Oils and Fuel Pollutant Description: Diesel	Water Impact: Category 2 (Significant) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)



ID	Location	Details	
N	151m S	Incident Date: 19/09/2001 Incident Identification: 31600 Pollutant: Oils and Fuel Pollutant Description: Diesel	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
L	171m SW	Incident Date: 27/05/2020 Incident Identification: 1810981 Pollutant: Sewage Materials Pollutant Description: Crude Sewage	Water Impact: Category 1 (Major) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
U	215m SW	Incident Date: 12/10/2002 Incident Identification: 114356 Pollutant: Pollutant Not Identified Pollutant Description: Not Identified	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
V	265m NE	Incident Date: 02/08/2002 Incident Identification: 96716 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Fumes	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
13	270m S	Incident Date: 15/01/2002 Incident Identification: 52670 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Ammonia/Amine Odour	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
14	286m SW	Incident Date: 12/08/2002 Incident Identification: 99540 Pollutant: Pollutant Not Identified Pollutant Description: Not Identified	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
Y	381m N	Incident Date: 24/01/2020 Incident Identification: 1773241 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Landfill Odour	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 2 (Significant)
Y	385m N	Incident Date: 01/02/2020 Incident Identification: 1776066 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Landfill Odour	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 2 (Significant)
Y	394m N	Incident Date: 01/03/2021 Incident Identification: 1898564 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Landfill Odour	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 2 (Significant)
17	401m NE	Incident Date: 21/12/2002 Incident Identification: 127137 Pollutant: Pollutant Not Identified Pollutant Description: Not Identified	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)



ID	Location	Details	
19	428m NW	Incident Date: 31/12/2019 Incident Identification: 1765709 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Landfill Odour	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 2 (Significant)
22	465m N	Incident Date: 01/04/2020 Incident Identification: 1794261 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Landfill Odour	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 2 (Significant)
23	467m NE	Incident Date: 04/04/2002 Incident Identification: 68915 Pollutant: Pollutant Not Identified Pollutant Description: Not Identified	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
24	475m N	Incident Date: 01/03/2020 Incident Identification: 1786886 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Landfill Odour	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 2 (Significant)
26	492m NE	Incident Date: 23/04/2002 Incident Identification: 73976 Pollutant: Other Pollutant Pollutant Description: Other	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)

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

4.19 Pollution inventory substances

Records within 500m

12

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

Features are displayed on the Current industrial land use map on **page 71**

ID: M, Location: 143m N, Permit: XP3037SE
 Operator: Veolia ES (UK) Limited
 Activity: OTHER WASTE DISPOSAL; HAZARDOUS WASTE >10T/D
 Address: Empire Treatment Works Stubbers Green Road Aldridge West Midlands WS9 8BL
 Sector: Hazardous Waste, Sub-sector: Hazardous Waste
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Wastewater	Nickel	20kg	22.2kg



ID: M, Location: 143m N, Permit: XP3037SE
 Operator: Veolia ES (UK) Limited
 Activity: OTHER WASTE DISPOSAL; HAZARDOUS WASTE >10T/D
 Address: Empire Treatment Works Stubbers Green Road Aldridge West Midlands WS9 8BL
 Sector: Hazardous Waste, Sub-sector: Hazardous Waste
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Wastewater	Phenols - total as C	20kg	126.63kg

ID: Y, Location: 358m N, Permit: NP3135SL
 Operator: Enovert North Limited
 Activity: WASTE LANDFILLING; >10 T/D WITH CAPACITY >25,000T EXCLUDING INERT WASTE
 Address: Highfields South Landfill Site Lichfield Road West Midlands WS9 9AH
 Sector: Landfill, Sub-sector: Non Hazardous Landfill
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Methane	10000kg	439000kg

ID: Y, Location: 358m N, Permit: NP3135SL
 Operator: Enovert North Limited
 Activity: WASTE LANDFILLING; >10 T/D WITH CAPACITY >25,000T EXCLUDING INERT WASTE
 Address: Highfields South Landfill Site Lichfield Road West Midlands WS9 9AH
 Sector: Landfill, Sub-sector: Non Hazardous Landfill
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Chlorofluorocarbons (CFCs)	1kg	33.7kg

ID: Y, Location: 358m N, Permit: NP3135SL
 Operator: Enovert North Limited
 Activity: WASTE LANDFILLING; >10 T/D WITH CAPACITY >25,000T EXCLUDING INERT WASTE
 Address: Highfields South Landfill Site Lichfield Road West Midlands WS9 9AH
 Sector: Landfill, Sub-sector: Non Hazardous Landfill
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Methyl chloroform (1,1,1-Trichloroethane)	10kg	33kg



ID: Y, Location: 358m N, Permit: NP3135SL
 Operator: Enovert North Limited
 Activity: WASTE LANDFILLING; >10 T/D WITH CAPACITY >25,000T EXCLUDING INERT WASTE
 Address: Highfields South Landfill Site Lichfield Road West Midlands WS9 9AH
 Sector: Landfill, Sub-sector: Non Hazardous Landfill
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Hydrochlorofluorocarbons (HCFCs)	1kg	24.8kg

ID: Y, Location: 358m N, Permit: NP3135SL
 Operator: Enovert North Limited
 Activity: WASTE LANDFILLING; >10 T/D WITH CAPACITY >25,000T EXCLUDING INERT WASTE
 Address: Highfields South Landfill Site Lichfield Road West Midlands WS9 9AH
 Sector: Landfill, Sub-sector: Non Hazardous Landfill
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Trichlorobenzene - all isomers	1kg	Below Reporting Threshold
Air	Sulphur oxides (SO2 and SO3) as SO2	100000kg	Below Reporting Threshold
Air	Carbon dioxide	10000000kg	Below Reporting Threshold
Air	Carbon monoxide	100000kg	Below Reporting Threshold
Air	Nitrogen oxides (NO and NO2) as NO2	100000kg	Below Reporting Threshold
Air	Tetrachloroethane (1,1,2,2-Tetrachloroethane)	10kg	Below Reporting Threshold
Air	Perfluorocarbons (PFCs)	10kg	Below Reporting Threshold
Air	Benzene	1000kg	Below Reporting Threshold
Air	Trichloroethylene	1000kg	Below Reporting Threshold
Air	Tetrachloroethylene (PER)	100kg	Below Reporting Threshold
Air	Vinyl chloride	1000kg	Below Reporting Threshold
Air	Non-methane volatile organic compounds (NMVOCs)	10000kg	Below Reporting Threshold
Air	Dichloromethane (DCM) (Methylene chloride)	1000kg	Below Reporting Threshold
Air	Hexachlorocyclohexane (HCH) -all isomers	1kg	Below Reporting Threshold
Air	Carbon tetrachloride (Tetrachloromethane)	10kg	Below Reporting Threshold
Air	Particulate matter - PM10	1000kg	Below Reporting Threshold



Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Dioxins and furans (PCDDs/PCDFs) - as ITEQ	1e-5kg	Below Reporting Threshold
Air	Hydrofluorocarbons (HFCs)	100kg	Below Reporting Threshold
Air	Halons	1kg	Below Reporting Threshold
Air	Benzo(a)pyrene	1kg	Below Reporting Threshold
Air	Ethylene dichloride (1,2-Dichloroethane)	1000kg	Below Reporting Threshold

ID: AA, Location: 425m NE, Permit: BV2999IJ
Operator: Envert North Limited
Activity: WASTE LANDFILLING; >10 T/D WITH CAPACITY >25,000T EXCLUDING INERT WASTE
Address: Vigo Utopia Landfill Site Coppice Lane Walsall Wood Brownhills West Midlands WS9 8TB
Sector: Landfill, Sub-sector: Non Hazardous Landfill
Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Chlorofluorocarbons (CFCs)	1kg	4.7kg

ID: AA, Location: 425m NE, Permit: BV2999IJ
Operator: Envert North Limited
Activity: WASTE LANDFILLING; >10 T/D WITH CAPACITY >25,000T EXCLUDING INERT WASTE
Address: Vigo Utopia Landfill Site Coppice Lane Walsall Wood Brownhills West Midlands WS9 8TB
Sector: Landfill, Sub-sector: Non Hazardous Landfill
Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Hydrochlorofluorocarbons (HCFCs)	1kg	2.74kg

ID: AA, Location: 425m NE, Permit: BV2999IJ
Operator: Envert North Limited
Activity: WASTE LANDFILLING; >10 T/D WITH CAPACITY >25,000T EXCLUDING INERT WASTE
Address: Vigo Utopia Landfill Site Coppice Lane Walsall Wood Brownhills West Midlands WS9 8TB
Sector: Landfill, Sub-sector: Non Hazardous Landfill
Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Trichlorobenzene - all isomers	1kg	Below Reporting Threshold



Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Sulphur oxides (SO2 and SO3) as SO2	100000kg	Below Reporting Threshold
Wastewater	Cyanides - as CN	50kg	Below Reporting Threshold
Air	Carbon monoxide	100000kg	Below Reporting Threshold
Air	Nitrogen oxides (NO and NO2) as NO2	100000kg	Below Reporting Threshold
Air	Tetrachloroethane (1,1,2,2-Tetrachloroethane)	10kg	Below Reporting Threshold
Air	Perfluorocarbons (PFCs)	10kg	Below Reporting Threshold
Air	Benzene	1000kg	Below Reporting Threshold
Air	Trichloroethylene	1000kg	Below Reporting Threshold
Air	Tetrachloroethylene (PER)	100kg	Below Reporting Threshold
Air	Methyl chloroform (1,1,1-Trichloroethane)	10kg	Below Reporting Threshold
Air	Vinyl chloride	1000kg	Below Reporting Threshold
Air	Non-methane volatile organic compounds (NMVOCs)	10000kg	Below Reporting Threshold
Air	Dichloromethane (DCM) (Methylene chloride)	1000kg	Below Reporting Threshold
Air	Hexachlorocyclohexane (HCH) -all isomers	1kg	Below Reporting Threshold
Air	Carbon tetrachloride (Tetrachloromethane)	10kg	Below Reporting Threshold
Air	Particulate matter - PM10	1000kg	Below Reporting Threshold
Air	Dioxins and furans (PCDDs/PCDFs) - as ITEQ	1e-5kg	Below Reporting Threshold
Air	Hydrofluorocarbons (HFCs)	100kg	Below Reporting Threshold
Air	Halons	1kg	Below Reporting Threshold
Air	Benzo(a)pyrene	1kg	Below Reporting Threshold
Air	Chloroform (Trichloromethane)	100kg	Below Reporting Threshold
Air	Ethylene dichloride (1,2-Dichloroethane)	1000kg	Below Reporting Threshold

ID: AA, Location: 425m NE, Permit: BV2999IJ
Operator: Enovert North Limited
Activity: WASTE LANDFILLING; >10 T/D WITH CAPACITY >25,000T EXCLUDING INERT WASTE
Address: Vigo Utopia Landfill Site Coppice Lane Walsall Wood Brownhills West Midlands WS9 8TB
Sector: Landfill, Sub-sector: Non Hazardous Landfill
Releases:



Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Carbon dioxide	10000000kg	11000000kg

ID: AA, Location: 425m NE, Permit: BV2999IJ
 Operator: Enovert North Limited
 Activity: WASTE LANDFILLING; >10 T/D WITH CAPACITY >25,000T EXCLUDING INERT WASTE
 Address: Vigo Utopia Landfill Site Coppice Lane Walsall Wood Brownhills West Midlands WS9 8TB
 Sector: Landfill, Sub-sector: Non Hazardous Landfill
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Methane	10000kg	231000kg

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

4.20 Pollution inventory waste transfers

Records within 500m

3

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

Features are displayed on the Current industrial land use map on **page 71**

ID: M, Location: 143m N, Permit: XP3037SE
 Operator: Veolia ES (UK) Limited
 Activity: OTHER WASTE DISPOSAL; HAZARDOUS WASTE >10T/D
 Address: Empire Treatment Works Stubbers Green Road Aldridge West Midlands WS9 8BL
 Sector: Hazardous Waste, Sub-sector: Hazardous Waste
 Releases:

Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	3.8	Absolute Value	07 07 04	other organic solvents, washing liquids and mother liquors	1
D10	Incineration on Land	1.6	Absolute Value	07 07 04	other organic solvents, washing liquids and mother liquors	1



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D10	Incineration on Land	16.4	Absolute Value	07 07 10	other filter cakes and spent absorbents	1
D10	Incineration on Land	1	Absolute Value	07 07 11	sludges from on-site effluent treatment containing dangerous substances	1
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	27.73	Absolute Value	08 01 11	waste paint and varnish containing organic solvents or other dangerous substances	1
D10	Incineration on Land	67.036	Absolute Value	08 01 11	waste paint and varnish containing organic solvents or other dangerous substances	1
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	6.79	Absolute Value	08 01 11	waste paint and varnish containing organic solvents or other dangerous substances	1
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	29.99	Absolute Value	08 01 11	waste paint and varnish containing organic solvents or other dangerous substances	1
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	0.1	Absolute Value	08 01 13	sludges from paint or varnish containing organic solvents or other dangerous substances	1
D10	Incineration on Land	3.41	Absolute Value	08 01 13	sludges from paint or varnish containing organic solvents or other dangerous substances	1
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	5.3	Absolute Value	08 01 13	sludges from paint or varnish containing organic solvents or other dangerous substances	1
D10	Incineration on Land	0.3	Absolute Value	16 11 03	other linings and refractories from metallurgical processes containing dangerous substances	1



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D10	Incineration on Land	4.394	Absolute Value	17 02 04	glass, plastic and wood containing or contaminated with dangerous substances	1
D10	Incineration on Land	0.01	Absolute Value	17 03 01	bituminous mixtures containing coal tar	1
D10	Incineration on Land	1.9	Absolute Value	17 04 09	metal waste contaminated with dangerous substances	1
D10	Incineration on Land	0.1	Absolute Value	17 05 03	soil and stones containing dangerous substances	1
D10	Incineration on Land	0.2	Absolute Value	17 06 03	other insulation materials consisting of or containing dangerous substances	1
D10	Incineration on Land	0.5	Absolute Value	17 09 03	other construction and demolition wastes (including mixed wastes) containing dangerous substances	1
D10	Incineration on Land	0.25	Absolute Value	18 01 03	wastes whose collection and disposal is subject to special requirements in order to prevent infection	1
D10	Incineration on Land	0.317	Absolute Value	18 01 06	chemicals consisting of or containing dangerous substances	1
D10	Incineration on Land	6.618	Absolute Value	18 01 08	cytotoxic and cytostatic medicines	1
D10	Incineration on Land	0.06	Absolute Value	02 01 08	agrochemical waste containing dangerous substances	1
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	0.02	Absolute Value	20 01 14	acids	1
D10	Incineration on Land	0.168	Absolute Value	20 01 14	acids	1
D10	Incineration on Land	0.185	Absolute Value	20 01 15	alkalines	1
D10	Incineration on Land	6.4425	Absolute Value	20 01 19	pesticides	1



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D10	Incineration on Land	2.25	Absolute Value	20 01 21	fluorescent tubes and other mercury-containing waste	1
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	2.5	Absolute Value	20 01 21	fluorescent tubes and other mercury-containing waste	1
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	9.942	Absolute Value	20 01 21	fluorescent tubes and other mercury-containing waste	1
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	2.8	Absolute Value	20 01 23	discarded equipment containing chlorofluorocarbons	1
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	57.89	Absolute Value	20 01 23	discarded equipment containing chlorofluorocarbons	1
D10	Incineration on Land	0.1	Absolute Value	20 01 26	oil and fat other than those mentioned in 20 01 25	1
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	0.072	Absolute Value	20 01 27	paint, inks, adhesives and resins containing dangerous substances	1
D10	Incineration on Land	3.159	Absolute Value	20 01 27	paint, inks, adhesives and resins containing dangerous substances	1
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	4.8	Absolute Value	20 01 27	paint, inks, adhesives and resins containing dangerous substances	1
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	85.2	Absolute Value	20 01 27	paint, inks, adhesives and resins containing dangerous substances	1



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D5	Specially engineered landfill (eg placement into lined discrete cells which are capped and isolated from one another and the environment, etc)	2	Absolute Value	17 06 01	insulation materials containing asbestos	1
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	9	Absolute Value	11 01 05	pickling acids	1
D10	Incineration on Land	0.05	Absolute Value	11 01 06	acids not otherwise specified	1
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	15.6	Absolute Value	11 01 06	acids not otherwise specified	1
D10	Incineration on Land	0.5	Absolute Value	11 01 08	phosphatising sludges	1
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	2.9	Absolute Value	11 01 08	phosphatising sludges	1
D10	Incineration on Land	9.9	Absolute Value	11 01 09	sludges and filter cakes containing dangerous substances	1
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	2.5	Absolute Value	11 01 09	sludges and filter cakes containing dangerous substances	1
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	22.5	Absolute Value	11 01 13	degreasing wastes containing dangerous substances	1
D10	Incineration on Land	0.024	Absolute Value	11 01 13	degreasing wastes containing dangerous substances	1
D10	Incineration on Land	0.1	Absolute Value	11 01 16	saturated or spent ion exchange resins	1



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D10	Incineration on Land	3.22	Absolute Value	11 01 98	other wastes containing dangerous substances	1
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	59.48	Absolute Value	11 01 98	other wastes containing dangerous substances	1
D10	Incineration on Land	0.06	Absolute Value	12 01 07	mineral-based machining oils free of halogens (except emulsions and solutions)	1
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	0.075	Absolute Value	12 01 07	mineral-based machining oils free of halogens (except emulsions and solutions)	1
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.06	Absolute Value	12 01 07	mineral-based machining oils free of halogens (except emulsions and solutions)	1
D10	Incineration on Land	0.275	Absolute Value	12 01 08	machining emulsions and solutions containing halogens	1
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	4.4	Absolute Value	12 01 09	machining emulsions and solutions free of halogens	1
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	1.07	Absolute Value	06 01 02	hydrochloric acid	1
D10	Incineration on Land	1.654	Absolute Value	06 01 03	hydrofluoric acid	1
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	2.56	Absolute Value	06 01 03	hydrofluoric acid	1



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	1.04	Absolute Value	06 01 05	nitric acid and nitrous acid	1
D10	Incineration on Land	0.136	Absolute Value	06 01 05	nitric acid and nitrous acid	1
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	2.5	Absolute Value	06 01 06	other acids	1
D10	Incineration on Land	0.795	Absolute Value	06 01 06	other acids	1
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	0.7	Absolute Value	06 01 06	other acids	1
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	2.6	Absolute Value	06 01 06	other acids	1
D10	Incineration on Land	0.2	Absolute Value	12 01 10	synthetic machining oils	1
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	3.6	Absolute Value	12 01 14	machining sludges containing dangerous substances	1
D10	Incineration on Land	7.65	Absolute Value	12 01 14	machining sludges containing dangerous substances	1
D10	Incineration on Land	1.2	Absolute Value	12 01 16	waste blasting material containing dangerous substances	1
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	3.8	Absolute Value	12 01 16	waste blasting material containing dangerous substances	1



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D10	Incineration on Land	0.98	Absolute Value	12 01 18	metal sludge (grinding, honing and lapping sludge) containing oil	1
D10	Incineration on Land	4.84	Absolute Value	12 01 20	spent grinding bodies and grinding materials containing dangerous substances	1
D10	Incineration on Land	0.205	Absolute Value	12 03 01	aqueous washing liquids	1
D10	Incineration on Land	0.24	Absolute Value	13 01 10	mineral based non-chlorinated hydraulic oils	1
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	5.5	Absolute Value	13 01 10	mineral based non-chlorinated hydraulic oils	1
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	0.5	Absolute Value	13 02 05	mineral-based non-chlorinated engine, gear and lubricating oils	1
D10	Incineration on Land	15.239	Absolute Value	13 02 05	mineral-based non-chlorinated engine, gear and lubricating oils	1
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	54.4	Absolute Value	13 02 05	mineral-based non-chlorinated engine, gear and lubricating oils	1
D10	Incineration on Land	0.665	Absolute Value	13 02 06	synthetic engine, gear and lubricating oils	1
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	0.3	Absolute Value	13 02 08	other engine, gear and lubricating oils	1
D10	Incineration on Land	2.91	Absolute Value	13 02 08	other engine, gear and lubricating oils	1
D10	Incineration on Land	14.526	Absolute Value	13 03 01	insulating or heat transmission oils containing PCBs	1



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	0.2	Absolute Value	13 03 10	other insulating and heat transmission oils	1
D10	Incineration on Land	1.4	Absolute Value	13 05 02	sludges from oil/water separators	1
D10	Incineration on Land	0.4	Absolute Value	13 05 03	interceptor sludges	1
D10	Incineration on Land	2	Absolute Value	13 05 07	oily water from oil/water separators	1
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	20	Absolute Value	13 05 07	oily water from oil/water separators	1
D10	Incineration on Land	0.41	Absolute Value	06 02 05	other bases	1
D10	Incineration on Land	1.95	Absolute Value	06 02 01	calcium hydroxide	1
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	1.02	Absolute Value	06 02 03	ammonium hydroxide	1
D10	Incineration on Land	0.04	Absolute Value	06 02 03	ammonium hydroxide	1
D10	Incineration on Land	0.93	Absolute Value	06 02 04	sodium and potassium hydroxide	1
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.08	Absolute Value	06 02 04	sodium and potassium hydroxide	1
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	0.5	Absolute Value	06 02 05	other bases	1



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D10	Incineration on Land	0.578	Absolute Value	06 03 11	solid salts and solutions containing cyanides	1
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.4	Absolute Value	06 03 11	solid salts and solutions containing cyanides	1
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	0.56	Absolute Value	01 05 06	drilling muds and other drilling wastes containing dangerous substances	1
D10	Incineration on Land	0.06	Absolute Value	06 01 01	sulphuric acid and sulphurous acid	1
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	15	Absolute Value	06 01 01	sulphuric acid and sulphurous acid	1
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	16.82	Absolute Value	06 01 01	sulphuric acid and sulphurous acid	1
D10	Incineration on Land	1.27	Absolute Value	07 05 04	other organic solvents, washing liquids and mother liquors	1
D10	Incineration on Land	5.49	Absolute Value	07 05 13	solid wastes containing dangerous substances	1
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	2	Absolute Value	07 06 01	aqueous washing liquids and mother liquors	1
D10	Incineration on Land	76.575	Absolute Value	07 06 01	aqueous washing liquids and mother liquors	1
D10	Incineration on Land	0.1	Absolute Value	07 06 03	organic halogenated solvents, washing liquids and mother liquors	1



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	2.2	Absolute Value	07 06 04	other organic solvents, washing liquids and mother liquors	1
D10	Incineration on Land	29.4	Absolute Value	07 06 04	other organic solvents, washing liquids and mother liquors	1
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	2	Absolute Value	07 06 04	other organic solvents, washing liquids and mother liquors	1
D10	Incineration on Land	0.5	Absolute Value	07 06 11	sludges from on-site effluent treatment containing dangerous substances	1
D10	Incineration on Land	0.3	Absolute Value	07 07 01	aqueous washing liquids and mother liquors	1
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	5.8	Absolute Value	07 07 03	organic halogenated solvents, washing liquids and mother liquors	1
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	3	Absolute Value	07 07 03	organic halogenated solvents, washing liquids and mother liquors	1
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	40.716	Absolute Value	14 06 03	other solvents and solvent mixtures	1
D10	Incineration on Land	2.755	Absolute Value	14 06 03	other solvents and solvent mixtures	1
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	0.035	Absolute Value	14 06 03	other solvents and solvent mixtures	1



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	5.06	Absolute Value	14 06 03	other solvents and solvent mixtures	1
D10	Incineration on Land	0.8	Absolute Value	14 06 04	sludges or solid wastes containing halogenated solvents	1
D10	Incineration on Land	86.937	Absolute Value	15 01 10	packaging containing residues of or contaminated by dangerous substances	1
D10	Incineration on Land	0.035	Absolute Value	11 02 07	other wastes containing dangerous substances	1
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	1.315	Absolute Value	15 01 10	packaging containing residues of or contaminated by dangerous substances	1
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	0.4	Absolute Value	15 01 10	packaging containing residues of or contaminated by dangerous substances	1
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	186.775	Absolute Value	15 01 10	packaging containing residues of or contaminated by dangerous substances	1
D10	Incineration on Land	0.2	Absolute Value	15 01 11	metallic packaging containing a dangerous solid porous matrix (for example asbestos), including empty pressure containers	1
D10	Incineration on Land	358.911	Absolute Value	15 02 02	absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances	1



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	183.71	Absolute Value	15 02 02	absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances	1
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	10.11	Absolute Value	15 02 02	absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances	1
D10	Incineration on Land	4.737	Absolute Value	16 01 07	oil filters	1
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	12.808	Absolute Value	16 01 14	antifreeze fluids containing dangerous substances	1
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	3.213	Absolute Value	16 01 14	antifreeze fluids containing dangerous substances	1
D10	Incineration on Land	0.4	Absolute Value	16 01 21	hazardous components other than those mentioned in 16 01 07 to 16 01 11 and 16 01 13 and 16 01 14	1
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	2.5	Absolute Value	16 01 21	hazardous components other than those mentioned in 16 01 07 to 16 01 11 and 16 01 13 and 16 01 14	1
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	6.96	Absolute Value	16 02 11	discarded equipment containing chlorofluorocarbons, HCFC, HFC	1
D10	Incineration on Land	0.814	Absolute Value	16 02 13	discarded equipment containing hazardous components (2) other than those mentioned in 16 02 09 to 16 02 12	1



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	0.12	Absolute Value	16 02 13	discarded equipment containing hazardous components (2) other than those mentioned in 16 02 09 to 16 02 12	1
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	288.89	Absolute Value	16 02 13	discarded equipment containing hazardous components (2) other than those mentioned in 16 02 09 to 16 02 12	1
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	3.74	Absolute Value	16 02 15	hazardous components removed from discarded equipment	1
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	0.025	Absolute Value	16 03 03	inorganic wastes containing dangerous substances	1
D10	Incineration on Land	7.484	Absolute Value	16 03 03	inorganic wastes containing dangerous substances	1
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	0.02	Absolute Value	16 03 03	inorganic wastes containing dangerous substances	1
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	1.8	Absolute Value	16 03 03	inorganic wastes containing dangerous substances	1
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	142.72	Absolute Value	16 03 05	organic wastes containing dangerous substances	1
D10	Incineration on Land	100.4245	Absolute Value	16 03 05	organic wastes containing dangerous substances	1



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	30.36	Absolute Value	16 03 05	organic wastes containing dangerous substances	1
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	14.3	Absolute Value	16 03 05	organic wastes containing dangerous substances	1
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.947	Absolute Value	16 03 07	metallic mercury	1
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	2.24	Absolute Value	16 05 04	gases in pressure containers (including halons) containing dangerous substances	1
D10	Incineration on Land	30.901	Absolute Value	16 05 04	gases in pressure containers (including halons) containing dangerous substances	1
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	7.8	Absolute Value	16 05 04	gases in pressure containers (including halons) containing dangerous substances	1
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	15.69	Absolute Value	16 05 04	gases in pressure containers (including halons) containing dangerous substances	1
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	2.32	Absolute Value	16 05 06	laboratory chemicals, consisting of or containing dangerous substances, including mixtures of laboratory chemicals	1
D10	Incineration on Land	16.397	Absolute Value	16 05 06	laboratory chemicals, consisting of or containing dangerous substances, including mixtures of laboratory chemicals	1



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	0.14	Absolute Value	16 05 06	laboratory chemicals, consisting of or containing dangerous substances, including mixtures of laboratory chemicals	1
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.848	Absolute Value	16 05 06	laboratory chemicals, consisting of or containing dangerous substances, including mixtures of laboratory chemicals	1
D10	Incineration on Land	6.18	Absolute Value	16 05 07	discarded inorganic chemicals consisting of or containing dangerous substances	1
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	2.762	Absolute Value	16 05 07	discarded inorganic chemicals consisting of or containing dangerous substances	1
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.048	Absolute Value	16 05 07	discarded inorganic chemicals consisting of or containing dangerous substances	1
D10	Incineration on Land	0.72	Absolute Value	19 01 11	bottom ash and slag containing dangerous substances	1
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	7403.32	Absolute Value	19 02 07	oil and concentrates from separation	1
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	22.04	Absolute Value	19 02 09	solid combustible wastes containing dangerous substances	1
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	11.325	Absolute Value	19 12 11	other wastes (including mixtures of materials) from mechanical treatment of waste containing dangerous substances	1



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D10	Incineration on Land	117.45	Absolute Value	19 12 11	other wastes (including mixtures of materials) from mechanical treatment of waste containing dangerous substances	1
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	38.8	Absolute Value	19 12 11	other wastes (including mixtures of materials) from mechanical treatment of waste containing dangerous substances	1
D10	Incineration on Land	0.6	Absolute Value	20 01 13	solvents	1
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	2.5	Absolute Value	20 01 13	solvents	1
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	0.42	Absolute Value	20 01 29	detergents containing dangerous substances	1
D10	Incineration on Land	11.186	Absolute Value	20 01 29	detergents containing dangerous substances	1
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	3	Absolute Value	20 01 33	batteries and accumulators included in 16 06 01, 16 06 02 or 16 06 03 and unsorted batteries and accumulators containing these batteries	1
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	22.42	Absolute Value	20 01 35	discarded electrical and electronic equipment other than those mentioned in 20 01 21 and 20 01 23 containing hazardous components (6)	1
D10	Incineration on Land	0.067	Absolute Value	11 03 02	other wastes	1
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	1.8	Absolute Value	06 03 13	solid salts and solutions containing heavy metals	1



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D10	Incineration on Land	0.05	Absolute Value	06 03 15	metallic oxides containing heavy metals	1
D10	Incineration on Land	0.01	Absolute Value	06 04 03	wastes containing arsenic	1
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	0.06	Absolute Value	06 04 04	wastes containing mercury	1
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.121	Absolute Value	06 04 04	wastes containing mercury	1
D10	Incineration on Land	0.01	Absolute Value	06 04 05	wastes containing other heavy metals	1
D10	Incineration on Land	0.5	Absolute Value	06 13 02	spent activated carbon (except 06 07 02)	1
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	1.05	Absolute Value	07 01 01	aqueous washing liquids and mother liquors	1
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	1	Absolute Value	07 01 03	organic halogenated solvents, washing liquids and mother liquors	1
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	0.876	Absolute Value	07 01 04	other organic solvents, washing liquids and mother liquors	1
D10	Incineration on Land	0.28	Absolute Value	07 01 04	other organic solvents, washing liquids and mother liquors	1
D10	Incineration on Land	0.008	Absolute Value	07 02 04	other organic solvents, washing liquids and mother liquors	1
D10	Incineration on Land	0.575	Absolute Value	07 02 14	wastes from additives containing dangerous substances	1



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D10	Incineration on Land	3.2	Absolute Value	07 03 01	aqueous washing liquids and mother liquors	1
D10	Incineration on Land	0.28	Absolute Value	07 05 01	aqueous washing liquids and mother liquors	1
D10	Incineration on Land	0.5	Absolute Value	13 05 08	mixtures of wastes from grit chambers and oil/water separators	1
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	3.675	Absolute Value	13 07 01	fuel oil and diesel	1
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	0.1	Absolute Value	13 07 01	fuel oil and diesel	1
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	0.145	Absolute Value	13 07 02	petrol	1
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	4.86	Absolute Value	13 07 03	other fuels (including mixtures)	1
D10	Incineration on Land	8.18	Absolute Value	13 07 03	other fuels (including mixtures)	1
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	0.152	Absolute Value	13 07 03	other fuels (including mixtures)	1
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	4.725	Absolute Value	14 06 02	other halogenated solvents and solvent mixtures	1
D10	Incineration on Land	3.88	Absolute Value	14 06 02	other halogenated solvents and solvent mixtures	1



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	4	Absolute Value	14 06 02	other halogenated solvents and solvent mixtures	1
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	0.2	Absolute Value	08 01 19	aqueous suspensions containing paint or varnish containing organic solvents or other dangerous substances	1
D10	Incineration on Land	0.09	Absolute Value	08 01 19	aqueous suspensions containing paint or varnish containing organic solvents or other dangerous substances	1
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	5	Absolute Value	08 01 19	aqueous suspensions containing paint or varnish containing organic solvents or other dangerous substances	1
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	0.125	Absolute Value	08 03 12	waste ink containing dangerous substances	1
D10	Incineration on Land	2.38	Absolute Value	08 03 12	waste ink containing dangerous substances	1
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.1	Absolute Value	08 03 12	waste ink containing dangerous substances	1
D10	Incineration on Land	0.1	Absolute Value	08 03 14	ink sludges containing dangerous substances	1
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	0.4	Absolute Value	08 03 14	ink sludges containing dangerous substances	1
D10	Incineration on Land	0.335	Absolute Value	08 03 17	waste printing toner containing dangerous substances	1



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	23.06	Absolute Value	08 04 09	waste adhesives and sealants containing organic solvents or other dangerous substances	1
D10	Incineration on Land	69.581	Absolute Value	08 04 09	waste adhesives and sealants containing organic solvents or other dangerous substances	1
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	21.2	Absolute Value	08 04 09	waste adhesives and sealants containing organic solvents or other dangerous substances	1
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	6.475	Absolute Value	08 04 09	waste adhesives and sealants containing organic solvents or other dangerous substances	1
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	0.8	Absolute Value	08 04 11	adhesive and sealant sludges containing organic solvents or other dangerous substances	1
D10	Incineration on Land	1.31	Absolute Value	08 05 01	waste isocyanates	1
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	0.3	Absolute Value	09 01 04	fixer solutions	1
D10	Incineration on Land	1.216	Absolute Value	09 01 01	water-based developer and activator solutions	1
D10	Incineration on Land	0.1	Absolute Value	09 01 04	fixer solutions	1
D10	Incineration on Land	0.05	Absolute Value	09 01 05	bleach solutions and bleach fixer solutions	1
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	3.085	Absolute Value	10 09 15	waste crack-indicating agent containing dangerous substances	1



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	0.412	Absolute Value	10 09 15	waste crack-indicating agent containing dangerous substances	1
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	0.227	Absolute Value	10 10 15	waste crack-indicating agent containing dangerous substances	1
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	0.04	Absolute Value	10 10 15	waste crack-indicating agent containing dangerous substances	1
D10	Incineration on Land	0.065	Absolute Value	16 09 01	permanganates, for example potassium permanganate	1
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	33.7605	Absolute Value	16 05 08	discarded organic chemicals consisting of or containing dangerous substances	1
D10	Incineration on Land	65.073	Absolute Value	16 05 08	discarded organic chemicals consisting of or containing dangerous substances	1
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	0.915	Absolute Value	16 05 08	discarded organic chemicals consisting of or containing dangerous substances	1
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	1.9645	Absolute Value	16 05 08	discarded organic chemicals consisting of or containing dangerous substances	1
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	17.35	Absolute Value	16 06 01	lead batteries	1



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	6.3	Absolute Value	16 06 02	Ni-Cd batteries	1
D10	Incineration on Land	2.096	Absolute Value	16 07 08	wastes containing oil	1
D10	Incineration on Land	0.364	Absolute Value	16 07 09	wastes containing other dangerous substances	1
D10	Incineration on Land	0.25	Absolute Value	16 09 02	chromates, for example potassium chromate, potassium or sodium dichromate	1
D10	Incineration on Land	0.487	Absolute Value	16 09 03	peroxides, for example hydrogen peroxide	1
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.0475	Absolute Value	16 09 03	peroxides, for example hydrogen peroxide	1
D10	Incineration on Land	13.535	Absolute Value	16 09 04	oxidising substances, not otherwise specified	1
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.085	Absolute Value	16 09 04	oxidising substances, not otherwise specified	1
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	14.7	Absolute Value	16 10 01	aqueous liquid wastes containing dangerous substances	1
D10	Incineration on Land	1.3	Absolute Value	16 10 01	aqueous liquid wastes containing dangerous substances	1
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	2	Absolute Value	16 10 01	aqueous liquid wastes containing dangerous substances	1



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	1.4	Absolute Value	16 10 01	aqueous liquid wastes containing dangerous substances	1
D1	Deposit into or onto land (eg landfill, etc.)	79.07385	Absolute Value	19 02 06	sludges from physico/chemical treatment other than those mentioned in 19 02 05	0
R5	Recycling/reclamation of other inorganic materials	27.58	Absolute Value	19 02 06	sludges from physico/chemical treatment other than those mentioned in 19 02 05	0
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	6.42	Absolute Value	02 06 01	materials unsuitable for consumption or processing	0
D10	Incineration on Land	8.713	Absolute Value	08 01 12	waste paint and varnish other than those mentioned in 08 01 11	0
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	27.63	Absolute Value	08 01 12	waste paint and varnish other than those mentioned in 08 01 11	0
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	47.3	Absolute Value	08 01 16	aqueous sludges containing paint or varnish other than those mentioned in 08 01 15	0
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	12.32	Absolute Value	15 01 02	plastic packaging	0
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	8.09	Absolute Value	15 01 02	plastic packaging	0



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	0.5	Absolute Value	15 01 06	mixed packaging	0
D10	Incineration on Land	11.358	Absolute Value	15 02 03	absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02	0
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	19.762	Absolute Value	15 02 03	absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02	0
D10	Incineration on Land	10.1	Absolute Value	17 08 02	gypsum-based construction materials other than those mentioned in 17 08 01	0
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	13.5	Absolute Value	17 08 02	gypsum-based construction materials other than those mentioned in 17 08 01	0
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	379.45	Absolute Value	20 01 28	paint, inks, adhesives and resins other than those mentioned in 20 01 27	0
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	19.6	Absolute Value	08 01 20	aqueous suspensions containing paint or varnish other than those mentioned in 08 01 19	0
D10	Incineration on Land	7.198	Absolute Value	08 02 01	waste coating powders	0
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	46.25	Absolute Value	08 02 01	waste coating powders	0



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	5.015	Absolute Value	08 03 18	waste printing toner other than those mentioned in 08 03 17	0
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	54.995	Absolute Value	08 04 10	waste adhesives and sealants other than those mentioned in 08 04 09	0
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	0.4	Absolute Value	11 01 11	aqueous rinsing liquids containing dangerous substances	1
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	43.52	Absolute Value	12 01 17	waste blasting material other than those mentioned in 12 01 16	0
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	68.15	Absolute Value	12 01 17	waste blasting material other than those mentioned in 12 01 16	0
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	8.1	Absolute Value	12 01 21	spent grinding bodies and grinding materials other than those mentioned in 12 01 20	0
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	5.17	Absolute Value	16 06 05	other batteries and accumulators	0
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	8	Absolute Value	16 10 02	aqueous liquid wastes other than those mentioned in 16 10 01	0



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	10.22	Absolute Value	16 03 04	inorganic wastes other than those mentioned in 16 03 03	0
D10	Incineration on Land	8.638	Absolute Value	16 03 06	organic wastes other than those mentioned in 16 03 05	0
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	72.436	Absolute Value	16 03 06	organic wastes other than those mentioned in 16 03 05	0
D10	Incineration on Land	5.458	Absolute Value	16 05 09	discarded chemicals other than those mentioned in 16 05 06, 16 05 07 or 16 05 08	0
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	11.96	Absolute Value	16 05 09	discarded chemicals other than those mentioned in 16 05 06, 16 05 07 or 16 05 08	0
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	-	Below Reporting Threshold	02 03 02	wastes from preserving agents	0
D10	Incineration on Land	-	Below Reporting Threshold	02 01 02	animal-tissue waste	0
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	-	Below Reporting Threshold	02 05 01	materials unsuitable for consumption or processing	0
D10	Incineration on Land	-	Below Reporting Threshold	05 01 17	bitumen	0
D10	Incineration on Land	-	Below Reporting Threshold	06 03 14	solid salts and solutions other than those mentioned in 06 03 11 and 06 03 13	0



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	-	Below Reporting Threshold	06 03 16	metallic oxides other than those mentioned in 06 03 15	0
D10	Incineration on Land	-	Below Reporting Threshold	07 02 13	waste plastic	0
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	-	Below Reporting Threshold	07 02 13	waste plastic	0
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	-	Below Reporting Threshold	07 02 17	waste containing silicones other than those mentioned in 07 02 16	0
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	-	Below Reporting Threshold	08 01 12	waste paint and varnish other than those mentioned in 08 01 11	0
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	-	Below Reporting Threshold	08 01 14	sludges from paint or varnish other than those mentioned in 08 01 13	0
D10	Incineration on Land	-	Below Reporting Threshold	15 01 02	plastic packaging	0
D10	Incineration on Land	-	Below Reporting Threshold	15 01 04	metallic packaging	0
D10	Incineration on Land	-	Below Reporting Threshold	15 01 07	glass packaging	0
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	-	Below Reporting Threshold	15 02 03	absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02	0



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D10	Incineration on Land	-	Below Reporting Threshold	10 11 03	waste glass-based fibrous materials	0
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	-	Below Reporting Threshold	10 11 05	particulates and dust	0
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	-	Below Reporting Threshold	10 12 01	waste preparation mixture before thermal processing	0
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	-	Below Reporting Threshold	17 01 07	mixtures of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06	0
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes)	-	Below Reporting Threshold	17 02 02	glass	0
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	-	Below Reporting Threshold	17 04 07	mixed metals	0
D10	Incineration on Land	-	Below Reporting Threshold	17 06 04	insulation materials other than those mentioned in 17 06 01 and 17 06 03	0
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	-	Below Reporting Threshold	17 06 04	insulation materials other than those mentioned in 17 06 01 and 17 06 03	0
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	-	Below Reporting Threshold	17 09 04	mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03	0



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D10	Incineration on Land	-	Below Reporting Threshold	18 02 03	wastes whose collection and disposal is not subject to special requirements in order to prevent infection	0
D10	Incineration on Land	-	Below Reporting Threshold	18 02 08	medicines other than those mentioned in 18 02 07	0
D10	Incineration on Land	-	Below Reporting Threshold	19 09 04	spent activated carbon	0
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	-	Below Reporting Threshold	19 09 04	spent activated carbon	0
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	-	Below Reporting Threshold	19 09 05	saturated or spent ion exchange resins	0
D10	Incineration on Land	-	Below Reporting Threshold	20 01 01	paper and cardboard	0
D10	Incineration on Land	-	Below Reporting Threshold	20 01 02	glass	0
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	-	Below Reporting Threshold	20 01 02	glass	0
D10	Incineration on Land	-	Below Reporting Threshold	20 01 11	textiles	0
D10	Incineration on Land	-	Below Reporting Threshold	20 01 25	edible oil and fat	0
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	-	Below Reporting Threshold	20 01 25	edible oil and fat	0



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D10	Incineration on Land	-	Below Reporting Threshold	20 01 28	paint, inks, adhesives and resins other than those mentioned in 20 01 27	0
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	-	Below Reporting Threshold	08 01 18	wastes from paint or varnish removal other than those mentioned in 08 01 17	0
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	-	Below Reporting Threshold	08 02 01	waste coating powders	0
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	-	Below Reporting Threshold	08 02 02	aqueous sludges containing ceramic materials	0
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	-	Below Reporting Threshold	08 03 08	aqueous liquid waste containing ink	0
D10	Incineration on Land	-	Below Reporting Threshold	08 03 13	waste ink other than those mentioned in 08 03 12	0
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	-	Below Reporting Threshold	08 03 13	waste ink other than those mentioned in 08 03 12	0
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	-	Below Reporting Threshold	08 03 13	waste ink other than those mentioned in 08 03 12	0
D10	Incineration on Land	-	Below Reporting Threshold	08 03 18	waste printing toner other than those mentioned in 08 03 17	0



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	-	Below Reporting Threshold	08 04 10	waste adhesives and sealants other than those mentioned in 08 04 09	0
D10	Incineration on Land	-	Below Reporting Threshold	08 04 10	waste adhesives and sealants other than those mentioned in 08 04 09	0
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	-	Below Reporting Threshold	08 04 16	aqueous liquid waste containing adhesives or sealants other than those mentioned in 08 04 15	0
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	-	Below Reporting Threshold	10 08 11	dross and skimmings other than those mentioned in 10 08 10	0
D10	Incineration on Land	-	Below Reporting Threshold	11 01 10	sludges and filter cakes other than those mentioned in 11 01 09	0
D10	Incineration on Land	-	Below Reporting Threshold	11 01 12	aqueous rinsing liquids other than those mentioned in 11 01 11	0
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	-	Below Reporting Threshold	11 01 12	aqueous rinsing liquids other than those mentioned in 11 01 11	0
D10	Incineration on Land	-	Below Reporting Threshold	12 01 01	ferrous metal filings and turnings	0
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	-	Below Reporting Threshold	12 01 01	ferrous metal filings and turnings	0
D10	Incineration on Land	-	Below Reporting Threshold	12 01 04	non-ferrous metal dust and particles	0



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D10	Incineration on Land	-	Below Reporting Threshold	12 01 13	welding wastes	0
D10	Incineration on Land	-	Below Reporting Threshold	12 01 15	machining sludges other than those mentioned in 12 01 14	0
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	-	Below Reporting Threshold	12 01 15	machining sludges other than those mentioned in 12 01 14	0
D10	Incineration on Land	-	Below Reporting Threshold	12 01 17	waste blasting material other than those mentioned in 12 01 16	0
D10	Incineration on Land	-	Below Reporting Threshold	12 01 21	spent grinding bodies and grinding materials other than those mentioned in 12 01 20	0
D10	Incineration on Land	-	Below Reporting Threshold	15 01 01	paper and cardboard packaging	0
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	-	Below Reporting Threshold	16 06 04	alkaline batteries (except 16 06 03)	0
D10	Incineration on Land	-	Below Reporting Threshold	16 06 05	other batteries and accumulators	0
D10	Incineration on Land	-	Below Reporting Threshold	16 10 02	aqueous liquid wastes other than those mentioned in 16 10 01	0
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	-	Below Reporting Threshold	16 10 02	aqueous liquid wastes other than those mentioned in 16 10 01	0
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	-	Below Reporting Threshold	16 10 02	aqueous liquid wastes other than those mentioned in 16 10 01	0



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D10	Incineration on Land	-	Below Reporting Threshold	16 10 04	aqueous concentrates other than those mentioned in 16 10 03	0
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	-	Below Reporting Threshold	16 11 02	carbon-based linings and refractories from metallurgical processes others than those mentioned in 16 11 01	0
D10	Incineration on Land	-	Below Reporting Threshold	20 01 40	metals	0
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	-	Below Reporting Threshold	20 01 40	metals	0
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	-	Below Reporting Threshold	20 01 40	metals	0
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	-	Below Reporting Threshold	20 02 02	soil and stones	0
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	-	Below Reporting Threshold	16 01 03	end-of-life tyres	0
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	-	Below Reporting Threshold	16 03 04	inorganic wastes other than those mentioned in 16 03 03	0
D10	Incineration on Land	-	Below Reporting Threshold	16 03 04	inorganic wastes other than those mentioned in 16 03 03	0



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	-	Below Reporting Threshold	16 03 06	organic wastes other than those mentioned in 16 03 05	0
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	-	Below Reporting Threshold	16 03 06	organic wastes other than those mentioned in 16 03 05	0
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	-	Below Reporting Threshold	16 05 05	gases in pressure containers other than those mentioned in 16 05 04	0
D10	Incineration on Land	-	Below Reporting Threshold	16 05 05	gases in pressure containers other than those mentioned in 16 05 04	0
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	-	Below Reporting Threshold	16 05 05	gases in pressure containers other than those mentioned in 16 05 04	0
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	-	Below Reporting Threshold	16 05 09	discarded chemicals other than those mentioned in 16 05 06, 16 05 07 or 16 05 08	0
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	-	Below Reporting Threshold	16 05 09	discarded chemicals other than those mentioned in 16 05 06, 16 05 07 or 16 05 08	0

ID: Y, Location: 358m N, Permit: NP3135SL
Operator: Enovert North Limited
Activity: WASTE LANDFILLING; >10 T/D WITH CAPACITY >25,000T EXCLUDING INERT WASTE
Address: Highfields South Landfill Site Lichfield Road West Midlands WS9 9AH
Sector: Landfill, Sub-sector: Non Hazardous Landfill
Releases:



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D8	Biological treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numbers D1 to D12	10890	Absolute Value	19 07 03	landfill leachate other than those mentioned in 19 07 02	0

ID: AA, Location: 425m NE, Permit: BV2999IJ
 Operator: Enovert North Limited
 Activity: WASTE LANDFILLING; >10 T/D WITH CAPACITY >25,000T EXCLUDING INERT WASTE
 Address: Vigo Utopia Landfill Site Coppice Lane Walsall Wood Brownhills West Midlands WS9 8TB
 Sector: Landfill, Sub-sector: Non Hazardous Landfill
 Releases:

Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D8	Biological treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numbers D1 to D12	14501	Absolute Value	19 07 03	landfill leachate other than those mentioned in 19 07 02	0

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

4.21 Pollution inventory radioactive waste

Records within 500m

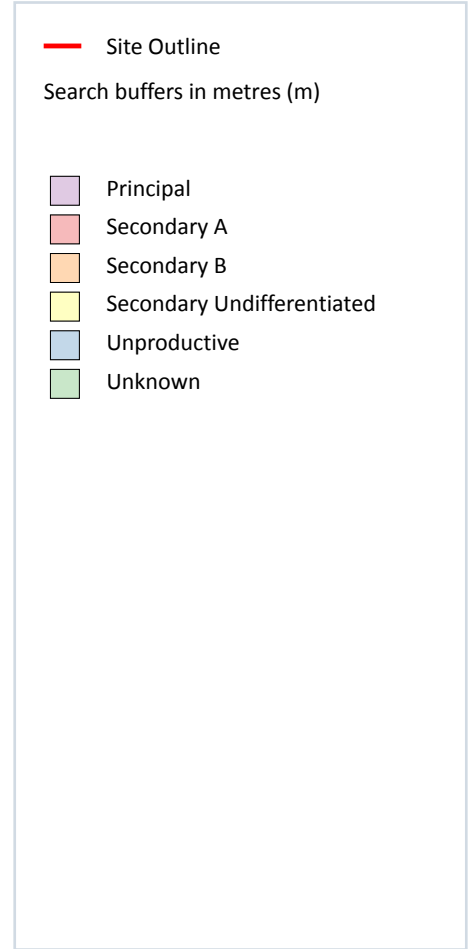
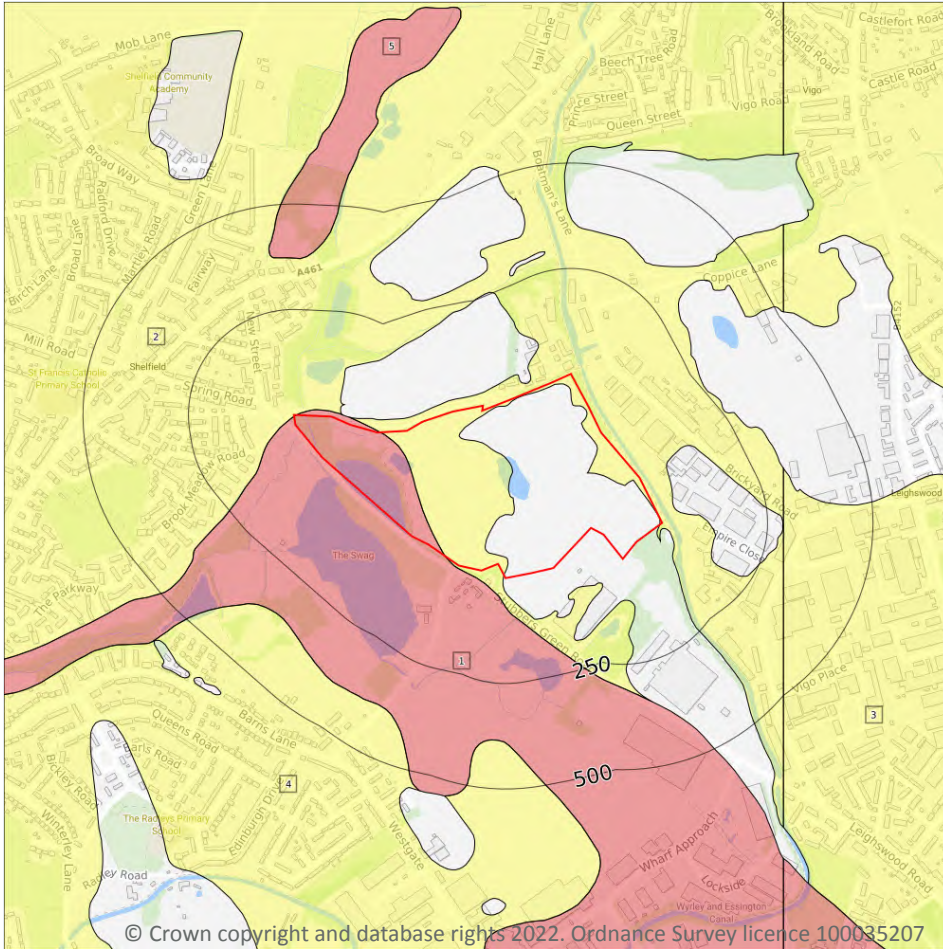
0

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

5

Aquifer status of groundwater held within superficial geology.

Features are displayed on the Hydrogeology map on **page 139**

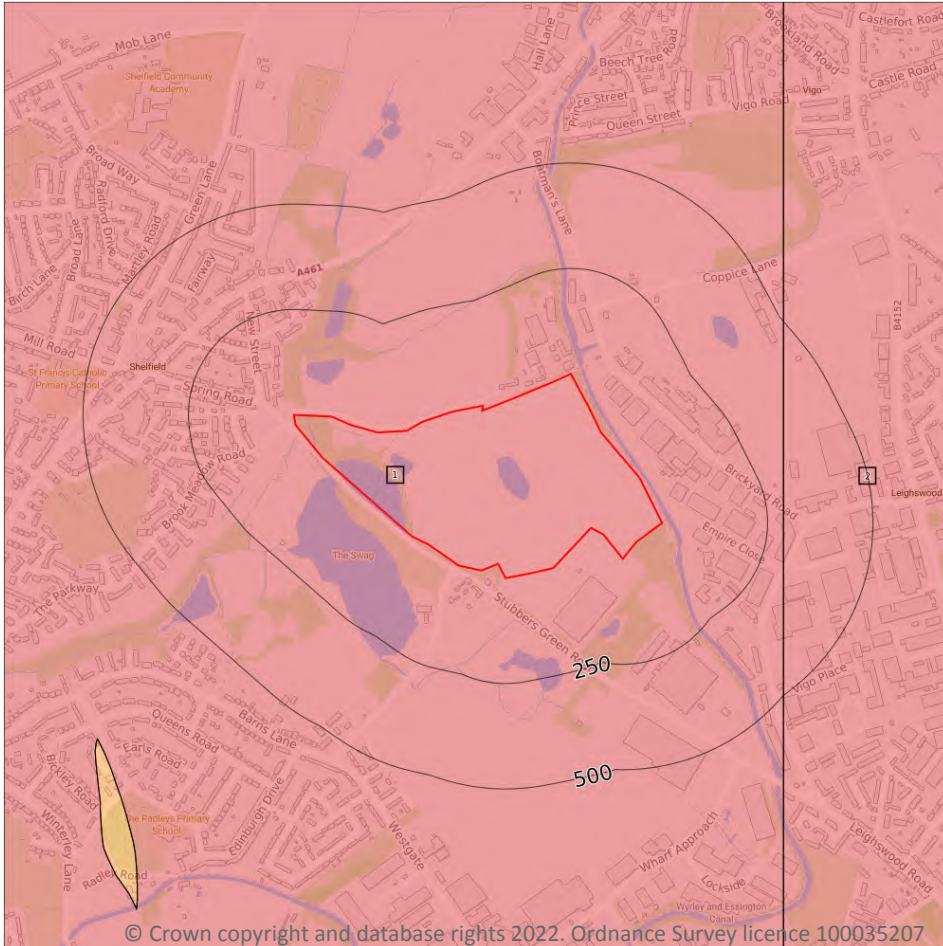
ID	Location	Designation	Description
1	On site	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
2	On site	Secondary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

ID	Location	Designation	Description
3	288m E	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type
4	348m SW	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type
5	371m N	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers

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



Bedrock aquifer



— Site Outline

Search buffers in metres (m)

- Principal
- Secondary A
- Secondary B
- Secondary Undifferentiated
- Unproductive

5.2 Bedrock aquifer

Records within 500m

2

Aquifer status of groundwater held within bedrock geology.

Features are displayed on the Bedrock aquifer map on **page 141**

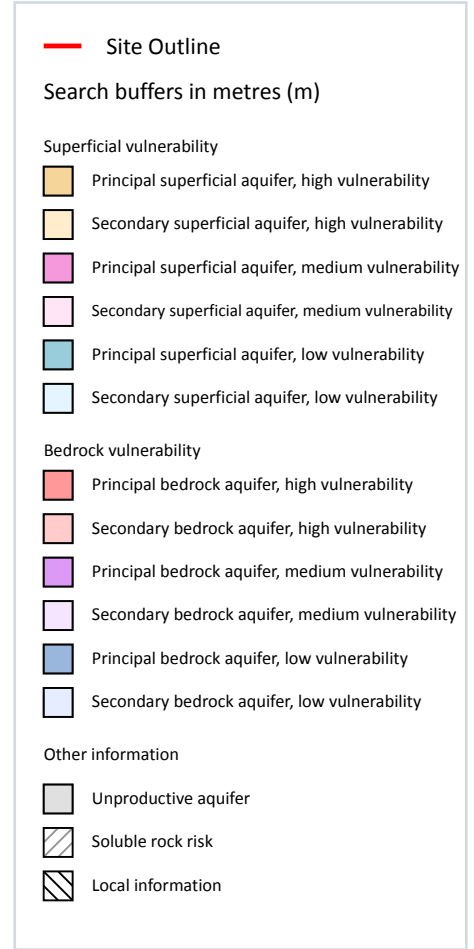
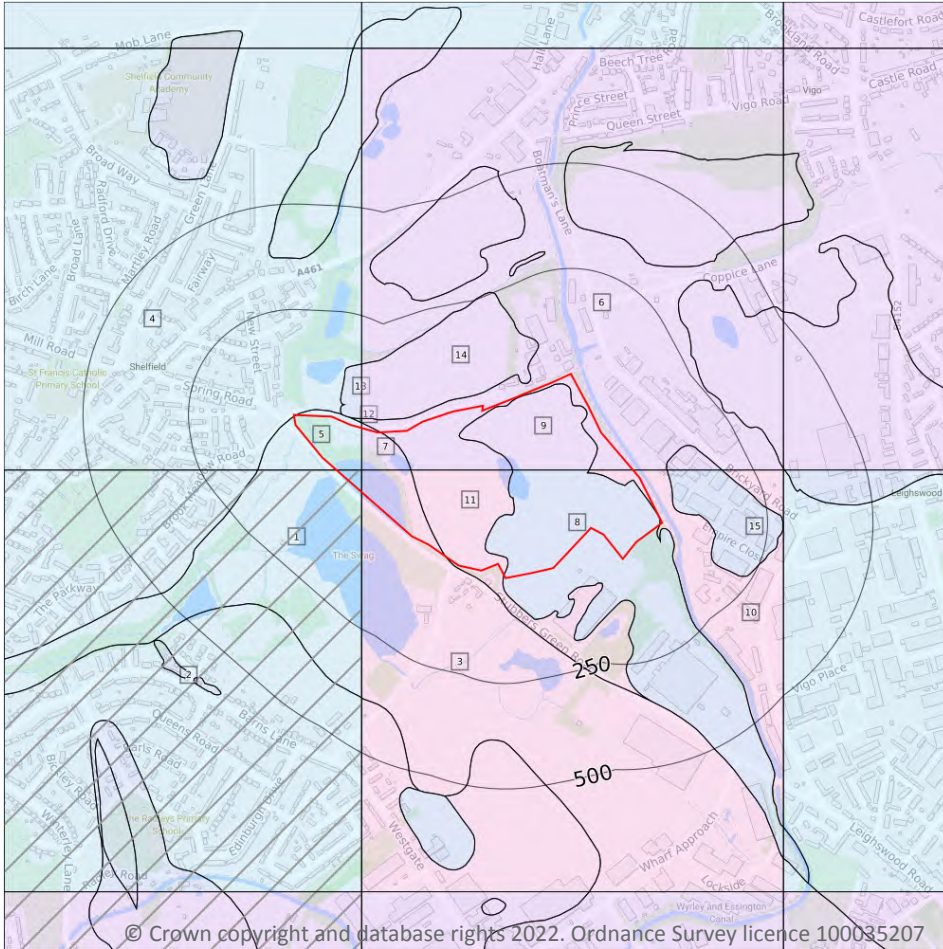
ID	Location	Designation	Description
1	On site	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
2	288m E	Secondary 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

14

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 143**



ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	On site	Summary Classification: Secondary superficial aquifer - Low Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: <40% Dilution value: 300-550mm/year	Vulnerability: Low Aquifer type: Secondary Thickness: 3-10m Patchiness value: >90% Recharge potential: Medium	Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures
3	On site	Summary Classification: Secondary superficial aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Intermediate Infiltration value: >70% Dilution value: 300-550mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: 3-10m Patchiness value: >90% Recharge potential: No Data	Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures
4	On site	Summary Classification: Secondary superficial aquifer - Low Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: <40% Dilution value: 300-550mm/year	Vulnerability: Low Aquifer type: Secondary Thickness: >10m Patchiness value: >90% Recharge potential: Medium	Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures
5	On site	Summary Classification: Secondary superficial aquifer - Low Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: <40% Dilution value: 300-550mm/year	Vulnerability: Low Aquifer type: Secondary Thickness: >10m Patchiness value: >90% Recharge potential: Medium	Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures
6	On site	Summary Classification: Secondary bedrock aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: <40% Dilution value: 300-550mm/year	Vulnerability: Low Aquifer type: Secondary Thickness: 3-10m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Medium Aquifer type: Secondary Flow mechanism: Well connected fractures
7	On site	Summary Classification: Secondary bedrock aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: <40% Dilution value: 300-550mm/year	Vulnerability: Low Aquifer type: Secondary Thickness: 3-10m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Medium Aquifer type: Secondary Flow mechanism: Well connected fractures



ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
8	On site	Summary Classification: Secondary bedrock aquifer - Low Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Intermediate Infiltration value: >70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: 3-10m Patchiness value: >90% Recharge potential: No Data	Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures
9	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: 3-10m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Medium Aquifer type: Secondary Flow mechanism: Well connected fractures
10	On site	Summary Classification: Secondary superficial aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Intermediate Infiltration value: >70% Dilution value: 300-550mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: 3-10m Patchiness value: >90% Recharge potential: No Data	Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures
11	On site	Summary Classification: Secondary superficial aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Intermediate Infiltration value: >70% Dilution value: 300-550mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: 3-10m Patchiness value: >90% Recharge potential: No Data	Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures
12	11m N	Summary Classification: Secondary superficial aquifer - Low Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: <40% Dilution value: 300-550mm/year	Vulnerability: Low Aquifer type: Secondary Thickness: >10m Patchiness value: >90% Recharge potential: Medium	Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures
13	14m NE	Summary Classification: Secondary bedrock aquifer - Low Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: <40% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: >10m Patchiness value: >90% Recharge potential: Medium	Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures



ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
14	20m N	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: 3-10m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Medium Aquifer type: Secondary Flow mechanism: Well connected fractures
15	42m NE	Summary Classification: Secondary bedrock aquifer - Low Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Intermediate Infiltration value: >70% Dilution value: 300- 550mm/year	Vulnerability: - Aquifer type: - Thickness: 3-10m Patchiness value: >90% Recharge potential: No Data	Vulnerability: Low 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	1
------------------------	----------

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

ID	Maximum soluble risk category	Percentage of grid square covered by maximum risk
2	Significant soluble rocks are likely to be present. Problems unlikely except with considerable surface or subsurface water flow.	7.000000000000001%

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



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5.6 Groundwater abstractions

Records within 2000m

2

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

Features are displayed on the Abstractions and Source Protection Zones map on **page 147**

ID	Location	Details	
-	1197m SW	Status: Historical Licence No: 03/28/08/0103 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Groundwater Midlands Region Point: REDHOUSE INDUSTRIAL ESTATE,ALDRIDGE - BOREHOLE Data Type: Point Name: J PERRENS + SON LTD Easting: 403700 Northing: 300700	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 22/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 01/05/1977 Version End Date: -
-	1490m SW	Status: Historical Licence No: 03/28/08/0273 Details: Process water Direct Source: Groundwater Midlands Region Point: BOREHOLE AT BOSTY LANE, WALSALL Data Type: Point Name: WALSALL METROPOLITAN BOROUGH COUNCIL Easting: 403440 Northing: 300510	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 12/02/2004 Expiry Date: 30/11/2004 Issue No: 1 Version Start Date: 12/02/2004 Version End Date: -

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

5.7 Surface water abstractions

Records within 2000m

4

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 147**

ID	Location	Details	
1	105m NW	Status: Historical Licence No: 03/28/08/0015 Details: Process water Direct Source: Surface Water Midlands Region Point: POLYMERIC TREATMENTS LIMITED - BIRMINGHAM CANAL Data Type: Point Name: BRITISH WATERWAYS BOARD Easting: 404400 Northing: 302300	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 05/10/1965 Expiry Date: - Issue No: 100 Version Start Date: 07/04/1981 Version End Date: -



ID	Location	Details	
-	1474m NW	Status: Historical Licence No: 03/28/08/0267 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: FORD BROOK, GRANGE FARM, WALSALL WOOD Data Type: Line Name: J S HOLFORD & SONS Easting: 402600 Northing: 302950	Annual Volume (m ³): 35500 Max Daily Volume (m ³): 1000 Original Application No: - Original Start Date: 31/01/2000 Expiry Date: 31/03/2008 Issue No: 1 Version Start Date: 02/05/2006 Version End Date: -
-	1474m NW	Status: Historical Licence No: 03/28/08/0267/1 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: FORD BROOK, GRANGE FARM, WALSALL WOOD Data Type: Line Name: J S HOLFORD & SONS Easting: 402600 Northing: 302950	Annual Volume (m ³): 35500 Max Daily Volume (m ³): 1000 Original Application No: - Original Start Date: 31/01/2000 Expiry Date: 31/03/2014 Issue No: 1 Version Start Date: 16/03/2007 Version End Date: -
-	1485m NW	Status: Active Licence No: MD/028/0008/008 Details: Spray Irrigation - Direct Direct Source: Surface Water Midlands Region Point: POINT A ON FORD BROOK AT GRANGE FARM WALSALL WOOD Data Type: Line Name: J S HOLFORD & SONS Easting: 402589 Northing: 302956	Annual Volume (m ³): 25,500 Max Daily Volume (m ³): 1,000 Original Application No: - Original Start Date: 01/04/2014 Expiry Date: 31/03/2026 Issue No: 1 Version Start Date: 01/04/2019 Version End Date: -

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

5.8 Potable abstractions

Records within 2000m

1

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

Features are displayed on the Abstractions and Source Protection Zones map on **page 147**



ID	Location	Details	
-	1197m SW	Status: Historical Licence No: 03/28/08/0103 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Groundwater Midlands Region Point: REDHOUSE INDUSTRIAL ESTATE,ALDRIDGE - BOREHOLE Data Type: Point Name: J PERRENS + SON LTD Easting: 403700 Northing: 300700	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 22/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 01/05/1977 Version End Date: -

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

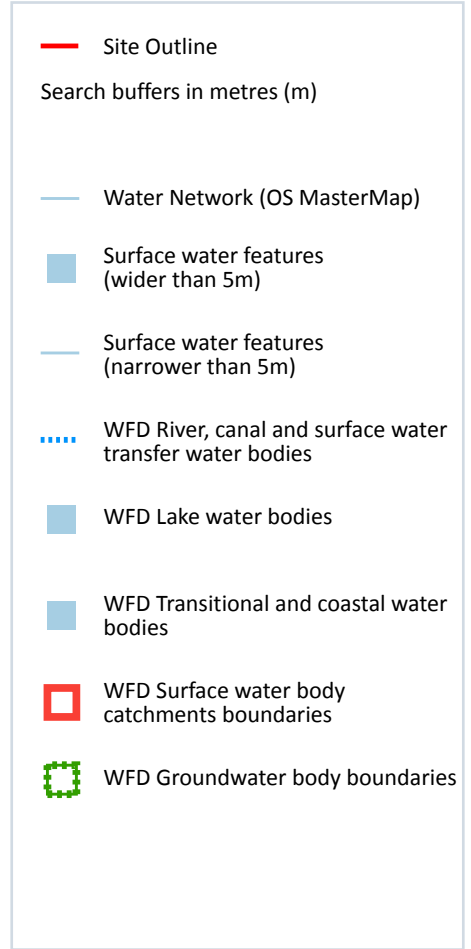
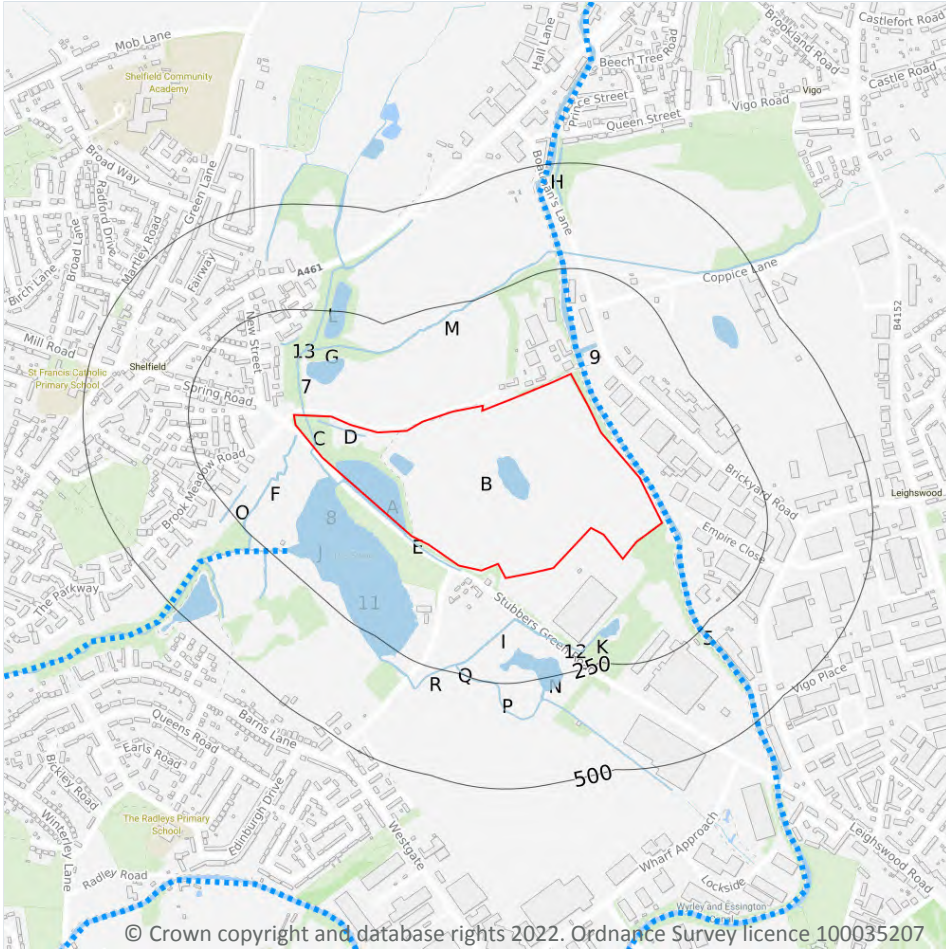
0

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

37

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 151**

ID	Location	Type of water feature	Ground level	Permanence	Name
A	On site	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-



ID	Location	Type of water feature	Ground level	Permanence	Name
C	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
D	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	1m SW	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
C	6m N	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
E	8m SW	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
C	8m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
E	9m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
5	10m NE	Canal. A manmade watercourse for inland navigation.	On ground surface	Watercourse contains water year round (in normal circumstances)	Wyrley and Essington Canal
C	11m SW	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
F	13m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
7	16m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	20m SW	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	21m SW	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	The Swag



ID	Location	Type of water feature	Ground level	Permanence	Name
8	34m SW	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	The Swag
9	53m N	Canal. A manmade watercourse for inland navigation.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
H	53m N	Canal. A manmade watercourse for inland navigation.	On ground surface	Watercourse contains water year round (in normal circumstances)	Wyrley and Essington Canal
I	100m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
11	133m SW	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
J	133m SW	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	The Swag
12	148m S	Inland river not influenced by normal tidal action.	Not provided	Watercourse contains water year round (in normal circumstances)	-
G	151m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
L	151m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
13	168m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
M	168m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
K	172m S	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
J	181m SW	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	The Swag



ID	Location	Type of water feature	Ground level	Permanence	Name
J	181m SW	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
O	181m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
J	191m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
J	209m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
J	220m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
N	223m S	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
Q	230m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
P	230m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
Q	230m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
R	237m S	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

16

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 151**



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 151**

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
B	On site	River	Ford Brook from Source to River Tame	GB104028046990	Tame Upper Rivers	Tame Anker and Mease

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

6.4 WFD Surface water bodies

Records identified

2

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 151**

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
6	11m NE	Canal	Wyreley and Essington, Daw End and Rushall Canals	GB70410541	Moderate	Fail	Good	2019
15	221m SW	River	Ford Brook from Source to River Tame	GB104028046990	Moderate	Fail	Moderate	2019

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



6.5 WFD Groundwater bodies

Records on site	1
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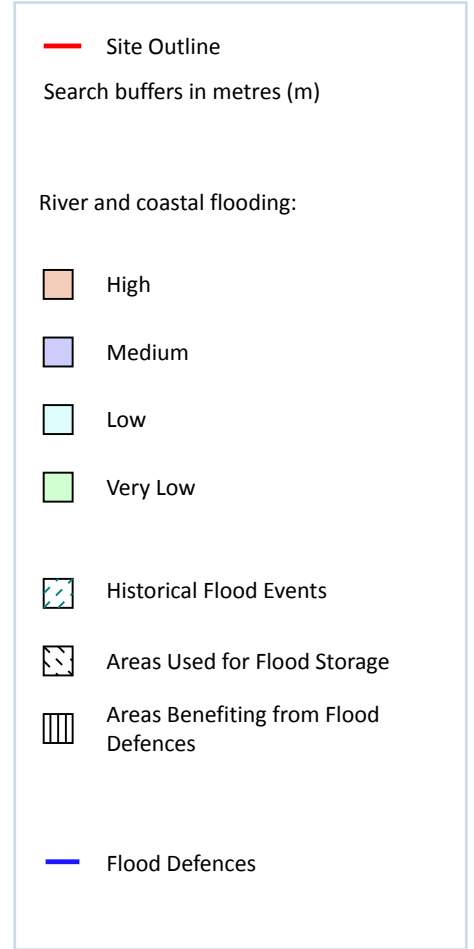
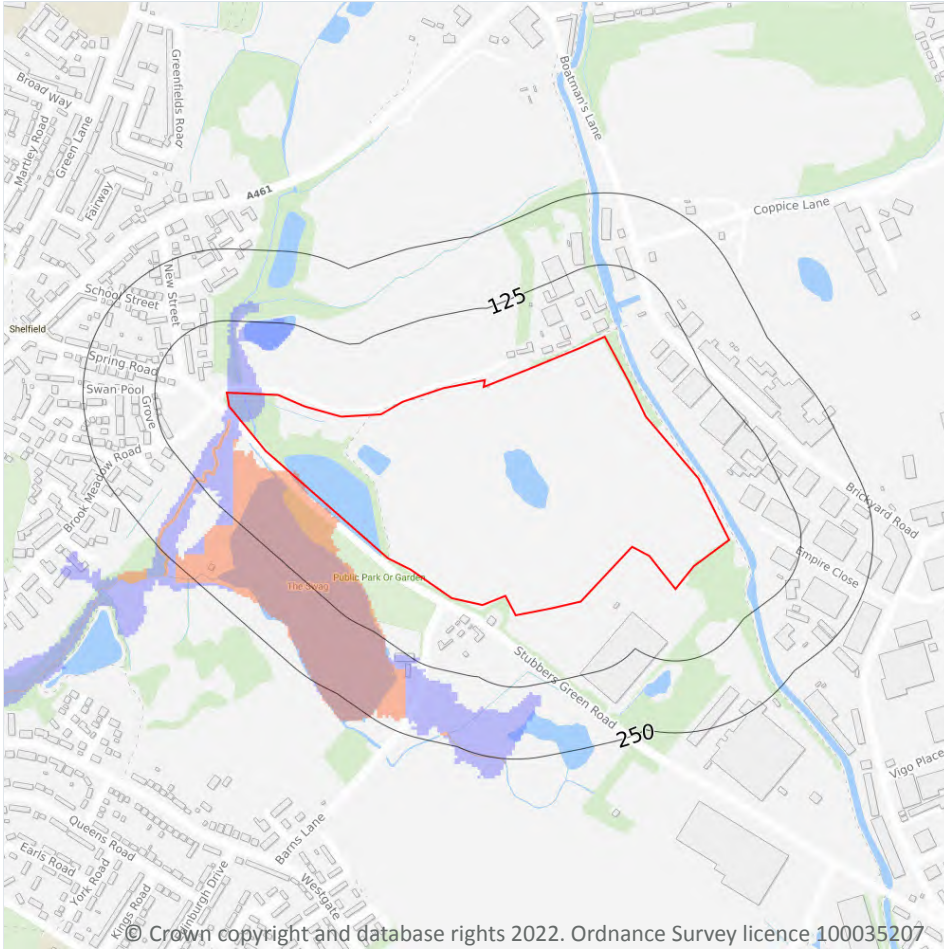
Groundwater bodies are also covered by the Directive and the same regime of objectives and reporting detailed in the previous section is in place. Click on the water body ID in the table to visit the EA Catchment Explorer to find out more about each groundwater body listed.

Features are displayed on the Hydrology map on **page 151**

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
B	On site	Tame Anker Mease - Coal Measures Black Country	<u>GB40402G992400</u>	Good	Good	Good	2019

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

7 River and coastal flooding



7.1 Risk of flooding from rivers and the sea

Records within 50m

3

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

Features are displayed on the River and coastal flooding map on **page 157**

Distance	Flood risk category
On site	High
0 - 50m	High

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

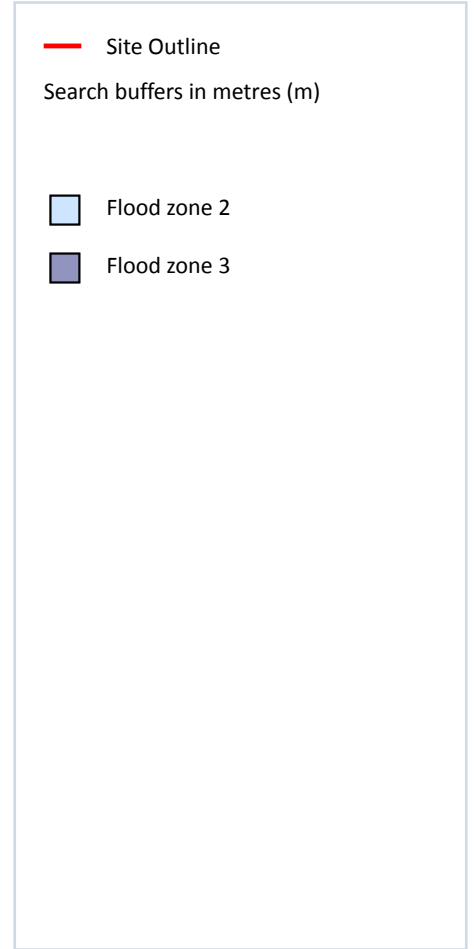
Records within 250m **0**

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

1

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

Features are displayed on the River and coastal flooding map on **page 157**

Location	Type
----------	------

On site **Zone 2 - (Fluvial /Tidal Models)**

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

7.7 Flood Zone 3

Records within 50m

1

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.

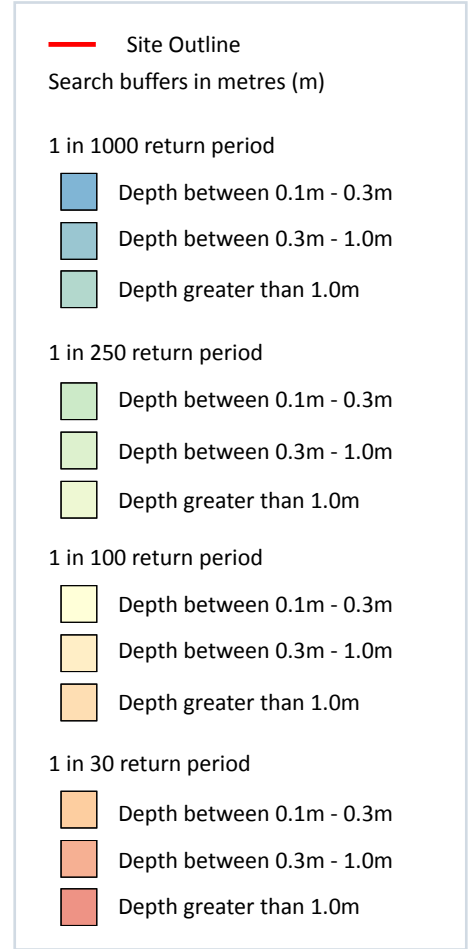
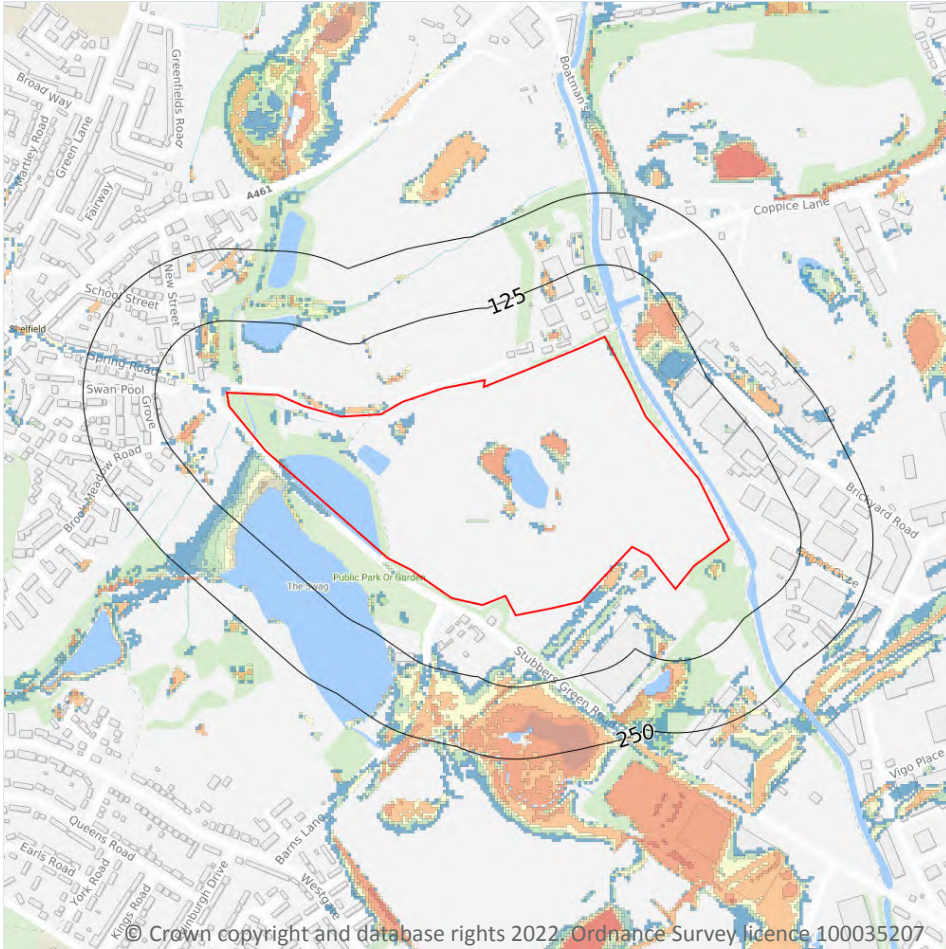
Features are displayed on the River and coastal flooding map on **page 157**

Location	Type
On site	Zone 3 - (Fluvial Models)

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



8 Surface water flooding



8.1 Surface water flooding

Highest risk on site

1 in 30 year, 0.3m - 1.0m

Highest risk within 50m

1 in 30 year, 0.3m - 1.0m

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

Features are displayed on the Surface water flooding map on **page 161**

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

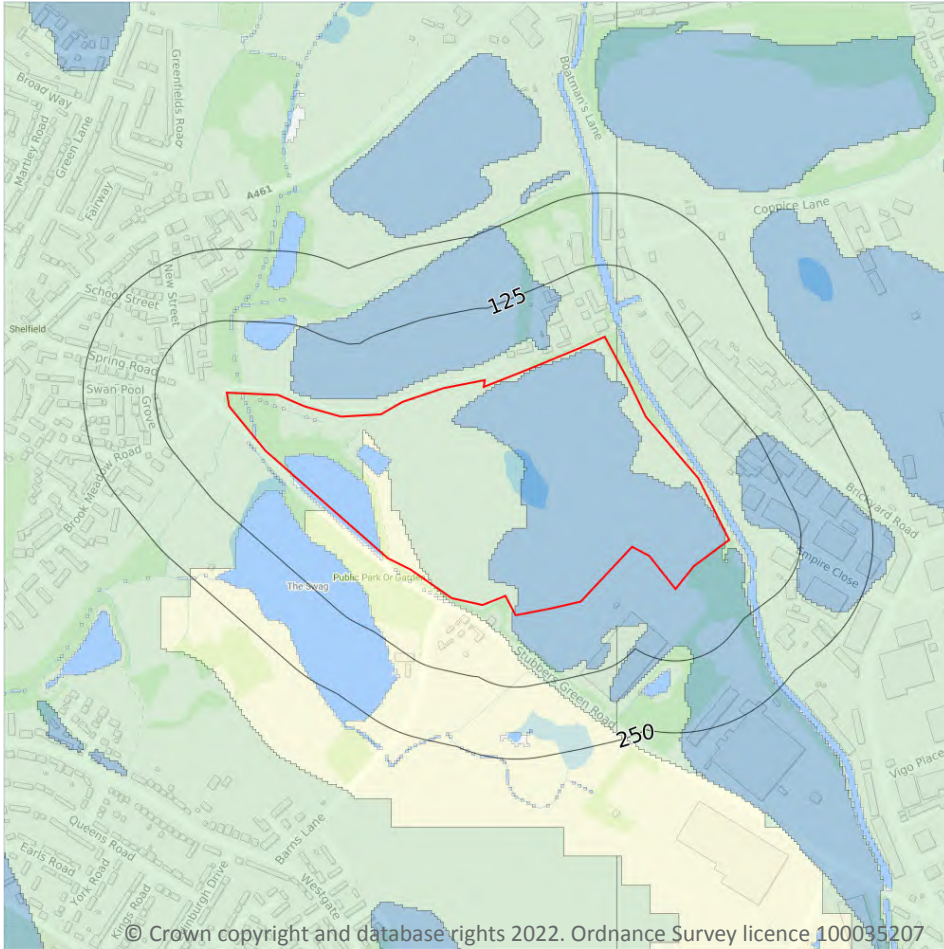
a site. The table below shows the maximum flood depths for a range of return periods for the site.

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

This data is sourced from Ambiental Risk Analytics.



9 Groundwater flooding



9.1 Groundwater flooding

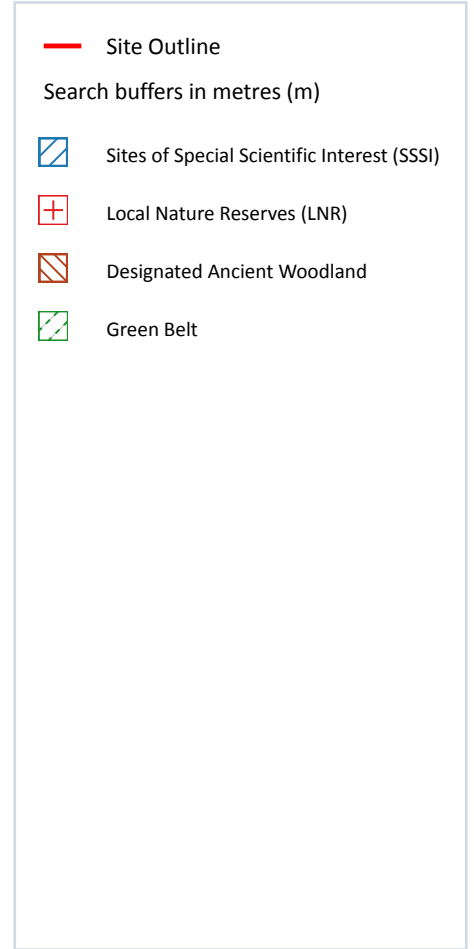
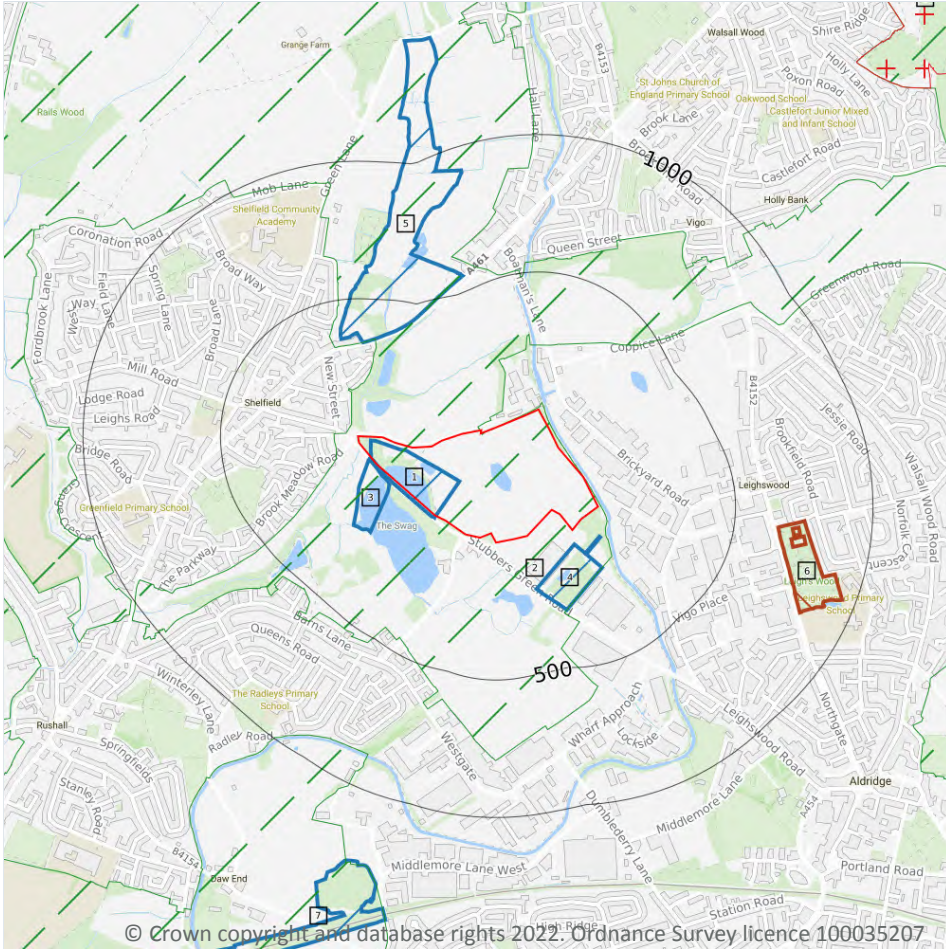
Highest risk on site	Moderate
Highest risk within 50m	Moderate

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 163**

This data is sourced from Ambiantal Risk Analytics.

10 Environmental designations



10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m

6

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.

Features are displayed on the Environmental designations map on **page 164**

ID	Location	Name	Data source
1	On site	Swan Pool & The Swag	Natural England

ID	Location	Name	Data source
3	9m SW	Swan Pool & The Swag	Natural England
4	53m S	Stubbers Green Bog	Natural England
5	342m N	Jockey Fields	Natural England
7	1253m S	Daw End Railway Cutting	Natural England
-	1817m SW	Daw End Railway Cutting	Natural England

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 164**

ID	Location	Name	Data source
8	1712m NE	Shire Oak Park	Natural England
-	1856m SW	Park Lime Pits	Natural England

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

10.7 Designated Ancient Woodland

Records within 2000m**1**

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 164**

ID	Location	Name	Woodland Type
6	660m E	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

1

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

Features are displayed on the Environmental designations map on **page 164**

ID	Location	Name	Local Authority name
2	On site	Birmingham	Walsall

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

3

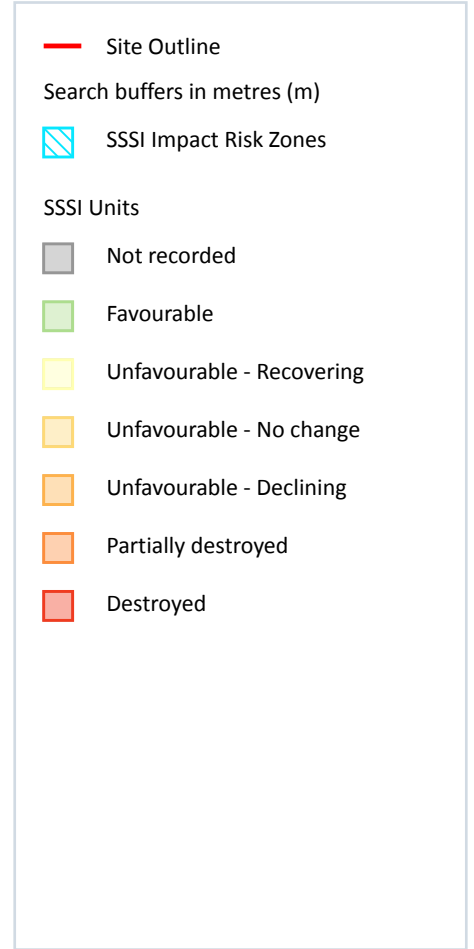
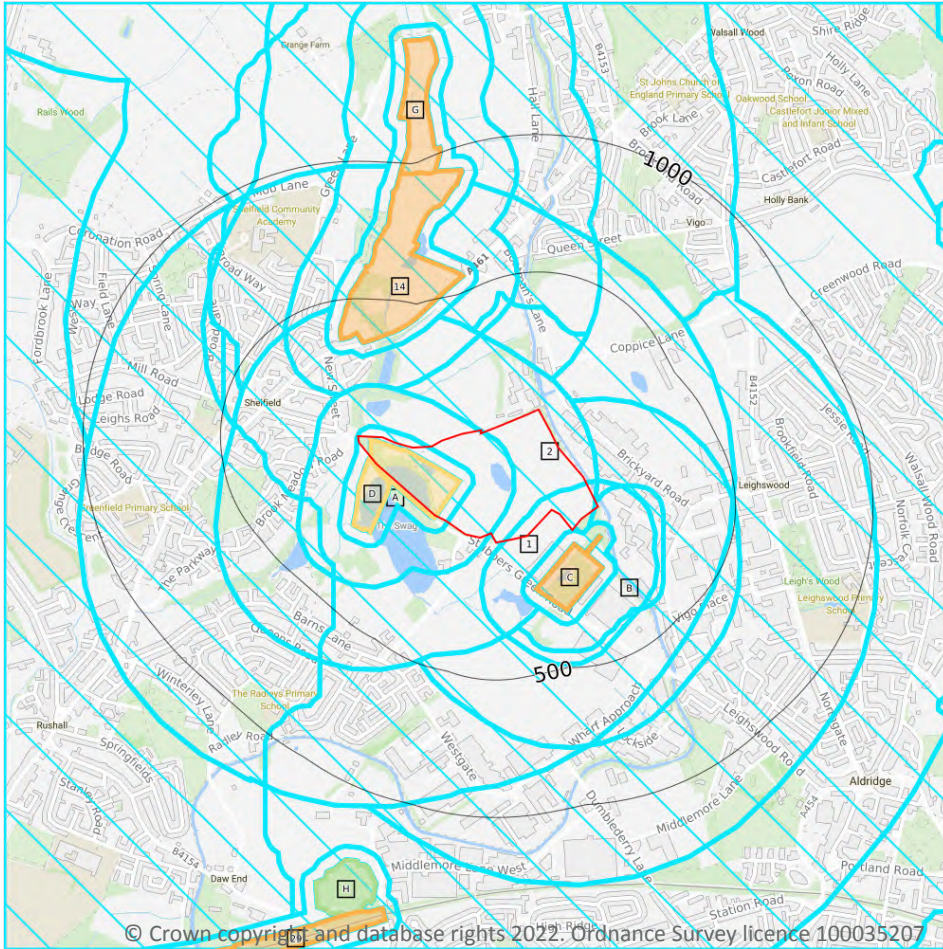
Areas at risk from agricultural nitrate pollution designated under the EC Nitrate Directive (91/676/EEC). These are areas of land that drain into waters polluted by nitrates. Farmers operating within these areas have to follow mandatory rules to tackle nitrate loss from agriculture.

Location	Name	Type	NVZ ID	Status
On site	River Trent (source to confluence with Derwent)	Surface Water	308	Existing
On site	River Trent (source to confluence with Derwent)	Surface Water	308	Existing
1299m E	Lichfield	Groundwater	33	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

6

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

Features are displayed on the SSSI Impact Zones and Units map on **page 170**

ID	Location	Type of developments requiring consultation
1	On site	<p>Infrastructure - Pipelines, pylons and overhead cables. any transport proposal including road, rail and by water (excluding routine maintenance). airports, helipads and other aviation proposals.</p> <p>Wind and Solar - Solar schemes with footprint > 0.5ha, all wind turbines.</p> <p>Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, review of minerals permissions (romp), extensions, variations to conditions etc. oil & gas exploration/extraction.</p> <p>Rural non-residential - Large non residential developments outside existing settlements/urban areas where net additional gross internal floorspace is > 1,000m² or footprint exceeds 0.2ha.</p> <p>Residential - Residential development of 50 units or more.</p> <p>Rural residential - Any residential development of 10 or more houses outside existing settlements/urban areas.</p> <p>Air pollution - Any development that could cause air pollution or dust either in its construction or operation (incl: industrial/commercial processes, livestock & poultry units, slurry lagoons & digestate stores, manure stores).</p> <p>Combustion - All general combustion processes. incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion.</p> <p>Waste - Mechanical and biological waste treatment, inert landfill, non-hazardous landfill, hazardous landfill, household civic amenity recycling facilities construction, demolition and excavation waste, other waste management.</p> <p>Composting - Any composting proposal. incl: open windrow composting, in-vessel composting, anaerobic digestion, other waste management.</p> <p>Discharges - Any discharge of water or liquid waste that is discharged to ground (ie to seep away) or to surface water, such as a beck or stream.</p> <p>Water supply - Large infrastructure such as warehousing / industry where net additional gross internal floorspace is > 1,000m² or any development needing its own water supply .</p> <p>Notes: New residential/tourist accommodation in this area requires an hra to consider recreational disturbance on cannoek chase. check with local planning authority.</p>

ID	Location	Type of developments requiring consultation
2	On site	<p>Infrastructure - Pipelines, pylons and overhead cables. any transport proposal including road, rail and by water (excluding routine maintenance). airports, helipads and other aviation proposals.</p> <p>Wind and Solar - Solar schemes with footprint > 0.5ha, all wind turbines.</p> <p>Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, review of minerals permissions (romp), extensions, variations to conditions etc. oil & gas exploration/extraction.</p> <p>Rural non-residential - Large non residential developments outside existing settlements/urban areas where net additional gross internal floorspace is > 1,000m² or footprint exceeds 0.2ha.</p> <p>Residential - Residential development of 50 units or more.</p> <p>Rural residential - Any residential development of 10 or more houses outside existing settlements/urban areas.</p> <p>Air pollution - Any development that could cause air pollution (incl: industrial/commercial processes, livestock & poultry units, slurry lagoons & digestate stores, manure stores).</p> <p>Combustion - All general combustion processes. incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion.</p> <p>Waste - Mechanical and biological waste treatment, inert landfill, non-hazardous landfill, hazardous landfill, household civic amenity recycling facilities construction, demolition and excavation waste, other waste management.</p> <p>Composting - Any composting proposal. incl: open windrow composting, in-vessel composting, anaerobic digestion, other waste management.</p> <p>Discharges - Any discharge of water or liquid waste that is discharged to ground (ie to seep away) or to surface water, such as a beck or stream.</p> <p>Water supply - Large infrastructure such as warehousing / industry where net additional gross internal floorspace is > 1,000m² or any development needing its own water supply .</p> <p>Notes: New residential/tourist accommodation in this area requires an hra to consider recreational disturbance on cannock chase. check with local planning authority.</p>
A	On site	<p>All applications - All planning applications - except householder applications.</p> <p>Notes: New residential/tourist accommodation in this area requires an hra to consider recreational disturbance on cannock chase. check with local planning authority.</p>
A	On site	All applications - All planning applications.

ID	Location	Type of developments requiring consultation
A	On site	<p>All applications - All planning applications (except householder) outside or extending outside existing settlements/urban areas affecting greenspace, farmland, semi natural habitats or landscape features such as trees, hedges, streams, rural buildings/structures.</p> <p>Infrastructure - Pipelines, pylons and overhead cables. any transport proposal including road, rail and by water (excluding routine maintenance). airports, helipads and other aviation proposals.</p> <p>Wind and Solar - Solar schemes with footprint > 0.5ha, all wind turbines.</p> <p>Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, review of minerals permissions (romp), extensions, variations to conditions etc. oil & gas exploration/extraction.</p> <p>Rural non-residential - Large non residential developments outside existing settlements/urban areas where net additional gross internal floorspace is > 1,000m² or footprint exceeds 0.2ha.</p> <p>Residential - Residential development of 10 units or more.</p> <p>Rural residential - Any residential developments outside of existing settlements/urban areas with a total net gain in residential units.</p> <p>Air pollution - Any development that could cause air pollution or dust either in its construction or operation (incl: industrial/commercial processes, livestock & poultry units, slurry lagoons & digestate stores, manure stores).</p> <p>Combustion - All general combustion processes. incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion.</p> <p>Waste - Mechanical and biological waste treatment, inert landfill, non-hazardous landfill, hazardous landfill, household civic amenity recycling facilities construction, demolition and excavation waste, other waste management.</p> <p>Composting - Any composting proposal. incl: open windrow composting, in-vessel composting, anaerobic digestion, other waste management.</p> <p>Discharges - Any discharge of water or liquid waste that is discharged to ground (ie to seep away) or to surface water, such as a beck or stream.</p> <p>Water supply - Large infrastructure such as warehousing / industry where net additional gross internal floorspace is > 1,000m² or any development needing its own water supply .</p> <p>Notes: New residential/tourist accommodation in this area requires an hra to consider recreational disturbance on cannock chase. check with local planning authority.</p>

ID	Location	Type of developments requiring consultation
B	On site	<p>Infrastructure - Pipelines, pylons and overhead cables. any transport proposal including road, rail and by water (excluding routine maintenance). airports, helipads and other aviation proposals.</p> <p>Wind and Solar - Wind turbines.</p> <p>Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, review of minerals permissions (romp), extensions, variations to conditions etc. oil & gas exploration/extraction.</p> <p>Rural non-residential - Large non residential developments outside existing settlements/urban areas where net additional gross internal floorspace is > 1,000m² or footprint exceeds 0.2ha.</p> <p>Residential - Residential development of 50 units or more.</p> <p>Rural residential - Any residential development of 10 or more houses outside existing settlements/urban areas.</p> <p>Air pollution - Any development that could cause air pollution or dust either in its construction or operation (incl: industrial/commercial processes, livestock & poultry units, slurry lagoons & digestate stores, manure stores).</p> <p>Combustion - All general combustion processes. incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion.</p> <p>Waste - Mechanical and biological waste treatment, inert landfill, non-hazardous landfill, hazardous landfill, household civic amenity recycling facilities construction, demolition and excavation waste, other waste management.</p> <p>Composting - Any composting proposal. incl: open windrow composting, in-vessel composting, anaerobic digestion, other waste management.</p> <p>Discharges - Any discharge of water or liquid waste that is discharged to ground (ie to seep away) or to surface water, such as a beck or stream.</p> <p>Water supply - Large infrastructure such as warehousing / industry where net additional gross internal floorspace is > 1,000m² or any development needing its own water supply .</p> <p>Notes: New residential/tourist accommodation in this area requires an hra to consider recreational disturbance on cannock chase. check with local planning authority.</p>

This data is sourced from Natural England.

10.18 SSSI Units

Records within 2000m

8

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.

Features are displayed on the SSSI Impact Zones and Units map on **page 170**

ID: A
 Location: On site
 SSSI name: Swan Pool & The Swag
 Unit name: Swan Pool
 Broad habitat: Fen, Marsh And Swamp - Lowland
 Condition: Unfavourable - No change
 Reportable features:



Feature name	Feature condition	Date of assessment
Aggregations of non-breeding birds - Swallow, Hirundo rustica	Unfavourable - No change	01/10/2010

ID: D
 Location: 9m SW
 SSSI name: Swan Pool & The Swag
 Unit name: The Swag
 Broad habitat: Fen, Marsh And Swamp - Lowland
 Condition: Unfavourable - No change
 Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of non-breeding birds - Swallow, Hirundo rustica	Unfavourable - No change	01/10/2010

ID: C
 Location: 53m S
 SSSI name: Stubbers Green Bog
 Unit name: 1
 Broad habitat: Fen, Marsh And Swamp - Lowland
 Condition: Unfavourable - Declining
 Reportable features:

Feature name	Feature condition	Date of assessment
Lowland wetland including basin fen, valley fen, floodplain fen, waterfringe fen, spring/flush fen and raised bog lagg	Unfavourable - Declining	19/08/2010

ID: 14
 Location: 342m N
 SSSI name: Jockey Fields
 Unit name: South Triangle
 Broad habitat: Neutral Grassland - Lowland
 Condition: Unfavourable - Declining
 Reportable features:

Feature name	Feature condition	Date of assessment
Lowland mire grassland and rush pasture	Unfavourable - No change	12/01/2017
Valley fen (lowland)	Unfavourable - Declining	04/10/2016

ID: G
Location: 943m NW
SSSI name: Jockey Fields
Unit name: North
Broad habitat: Neutral Grassland - Lowland
Condition: Unfavourable - Declining
Reportable features:

Feature name	Feature condition	Date of assessment
Lowland mire grassland and rush pasture	Unfavourable - Declining	04/10/2016
Valley fen (lowland)	Unfavourable - Declining	04/10/2016

ID: H
Location: 1253m S
SSSI name: Daw End Railway Cutting
Unit name: Quarry
Broad habitat: Earth Heritage
Condition: Favourable
Reportable features:

Feature name	Feature condition	Date of assessment
ED - Wenlock	Favourable	10/10/2012

ID: 29
Location: 1393m S
SSSI name: Daw End Railway Cutting
Unit name: Railway Line
Broad habitat: Earth Heritage
Condition: Unfavourable - Declining
Reportable features:

Feature name	Feature condition	Date of assessment
ER - Wenlock	Unfavourable - Declining	11/09/2013

ID: -
Location: 1817m SW
SSSI name: Daw End Railway Cutting
Unit name: Railway Line
Broad habitat: Earth Heritage
Condition: Unfavourable - Declining



Reportable features:

Feature name	Feature condition	Date of assessment
ER - Wenlock	Unfavourable - Declining	11/09/2013

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



11 Visual and cultural designations

11.1 World Heritage Sites

Records within 250m

0

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

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

11.2 Area of Outstanding Natural Beauty

Records within 250m

0

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

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

11.3 National Parks

Records within 250m

0

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

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

11.4 Listed Buildings

Records within 250m

0

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



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

11.5 Conservation Areas

Records within 250m

0

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

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

11.6 Scheduled Ancient Monuments

Records within 250m

0

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

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

11.7 Registered Parks and Gardens

Records within 250m

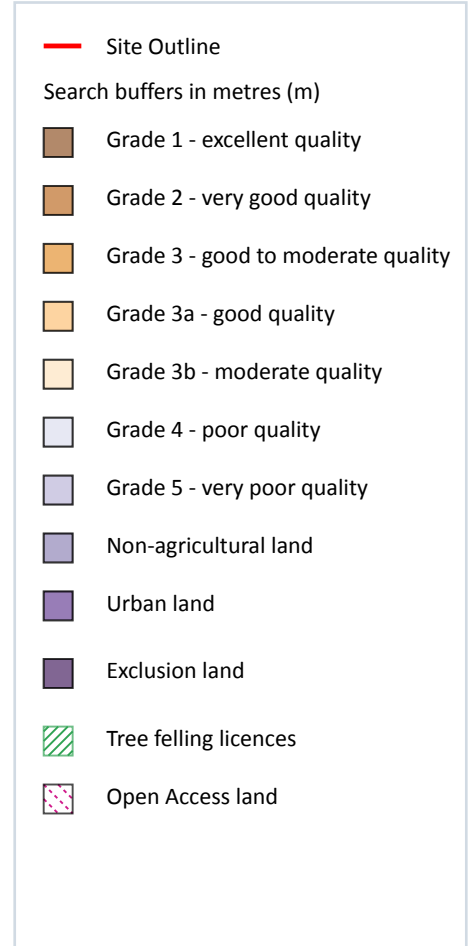
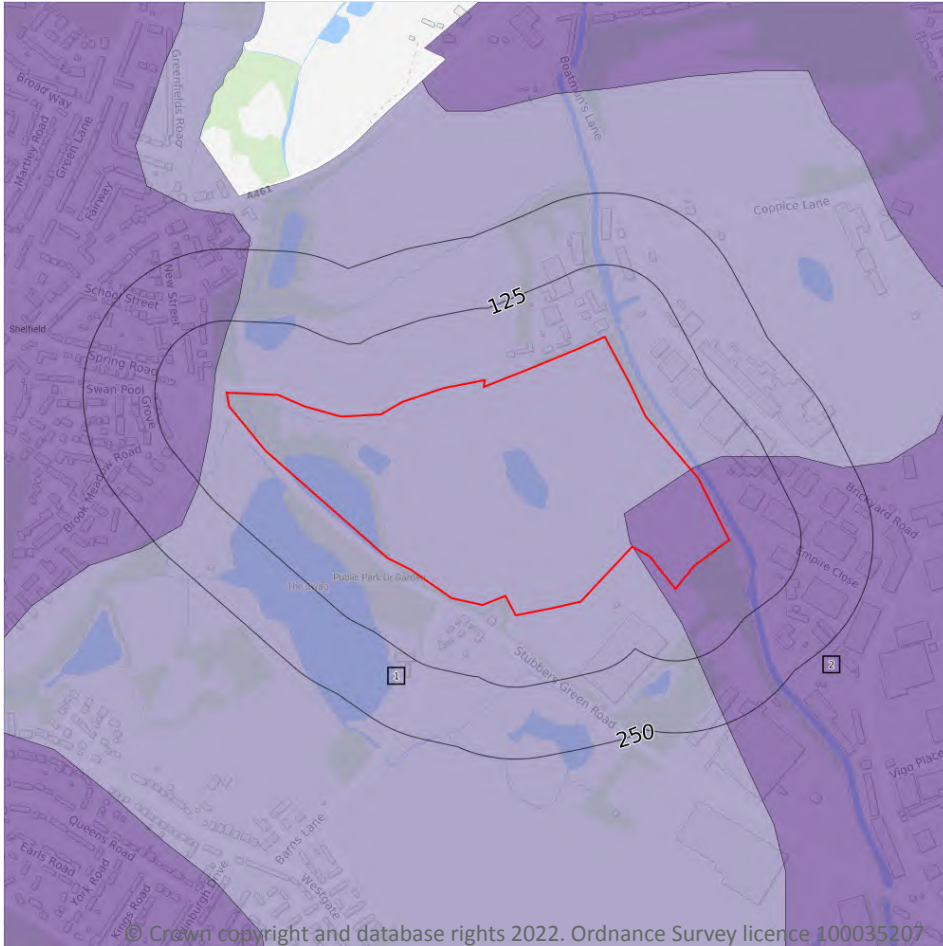
0

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

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



12 Agricultural designations



12.1 Agricultural Land Classification

Records within 250m

2

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

Features are displayed on the Agricultural designations map on **page 180**

ID	Location	Classification	Description
1	On site	Non Agricultural	-
2	On site	Urban	-

This data is sourced from Natural England.



12.2 Open Access Land

Records within 250m

0

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

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

12.3 Tree Felling Licences

Records within 250m

0

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

This data is sourced from the Forestry Commission.

12.4 Environmental Stewardship Schemes

Records within 250m

0

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

This data is sourced from Natural England.

12.5 Countryside Stewardship Schemes

Records within 250m

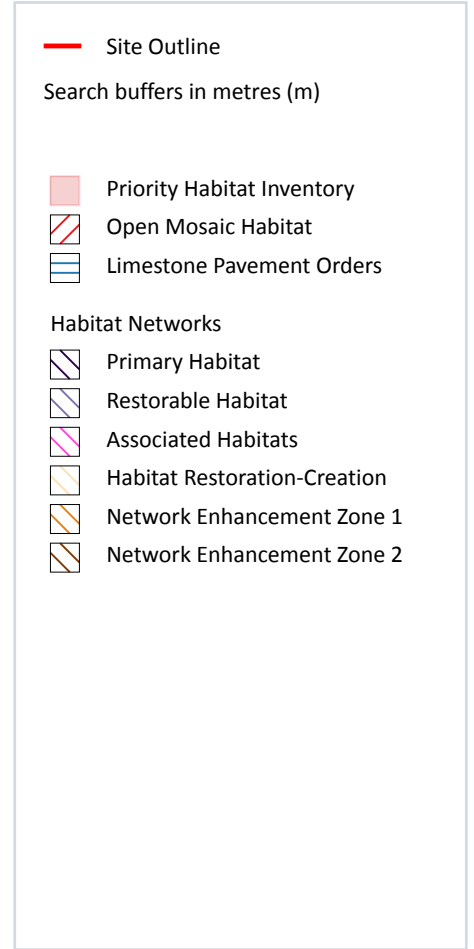
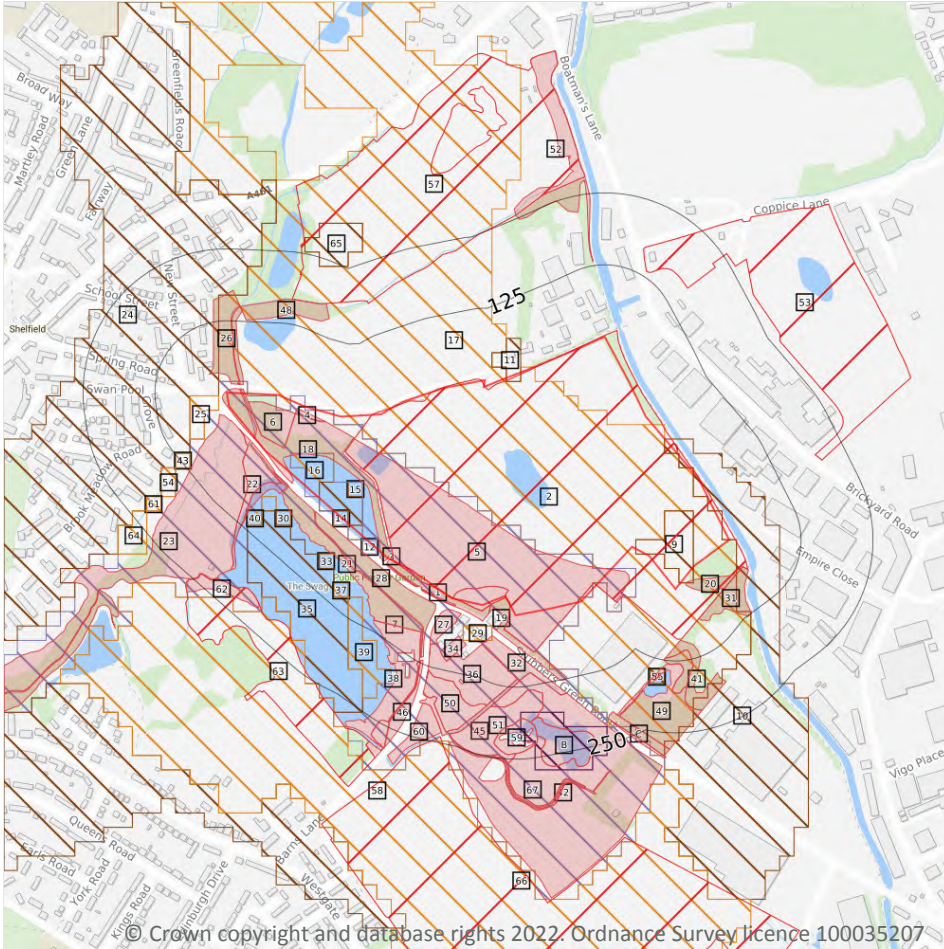
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Countryside Stewardship covers a range of schemes that provide financial incentives to farmers, foresters and land managers to look after and improve the environment. Main objectives are to improve the farmed environment for wildlife and to reduce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

This data is sourced from Natural England.



13 Habitat designations



13.1 Priority Habitat Inventory

Records within 250m

39

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 182**

ID	Location	Main Habitat	Other habitats
1	On site	Good quality semi-improved grassland	Main habitat: GQSIG (INV > 50%)
3	On site	Good quality semi-improved grassland	Main habitat: GQSIG (INV > 50%)
4	On site	Good quality semi-improved grassland	Main habitat: GQSIG (INV > 50%)
5	On site	Good quality semi-improved grassland	Main habitat: GQSIG (INV > 50%)

ID	Location	Main Habitat	Other habitats
6	On site	Good quality semi-improved grassland	Main habitat: GQSIG (INV > 50%)
18	On site	Good quality semi-improved grassland	Main habitat: GQSIG (INV > 50%)
19	On site	Good quality semi-improved grassland	Main habitat: GQSIG (INV > 50%)
20	7m SE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
21	9m SW	Good quality semi-improved grassland	Main habitat: GQSIG (INV > 50%); Additional: CFPGM (INV 50%)
22	9m SW	Coastal and floodplain grazing marsh	Main habitat: CFPGM (INV > 50%); GQSIG (INV > 50%)
23	11m SW	Coastal and floodplain grazing marsh	Main habitat: CFPGM (INV > 50%)
26	16m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
27	20m S	Good quality semi-improved grassland	Main habitat: GQSIG (INV > 50%)
28	20m SW	Good quality semi-improved grassland	Main habitat: GQSIG (INV > 50%)
A	21m SW	Good quality semi-improved grassland	Main habitat: GQSIG (INV > 50%)
31	52m SE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
32	53m SW	Good quality semi-improved grassland	Main habitat: GQSIG (INV > 50%)
34	61m S	Good quality semi-improved grassland	Main habitat: GQSIG (INV > 50%)
36	68m S	Good quality semi-improved grassland	Main habitat: GQSIG (INV > 50%)
38	78m SW	Good quality semi-improved grassland	Main habitat: GQSIG (INV > 50%)
41	89m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%); Additional: LFENS (ENSIS L2)
42	103m S	Good quality semi-improved grassland	Main habitat: GQSIG (INV > 50%)
44	107m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%); Additional: LFENS (ENSIS L2)
45	110m S	Good quality semi-improved grassland	Main habitat: GQSIG (INV > 50%)
46	119m SW	Good quality semi-improved grassland	Main habitat: GQSIG (INV > 50%)
47	121m SW	Good quality semi-improved grassland	Main habitat: GQSIG (INV > 50%)
48	127m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
49	130m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%); Additional: LFENS (ENSIS L2)
50	132m S	Coastal and floodplain grazing marsh	Main habitat: CFPGM (INV > 50%); GQSIG (INV > 50%)
51	132m S	Coastal and floodplain grazing marsh	Main habitat: CFPGM (INV > 50%); GQSIG (INV > 50%)
52	133m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
56	150m SW	Good quality semi-improved grassland	Main habitat: GQSIG (INV > 50%)



ID	Location	Main Habitat	Other habitats
59	180m S	Good quality semi-improved grassland	Main habitat: GQSIG (INV > 50%)
B	181m S	Lowland fens	Main habitat: LFENS (INV > 50%); GQSIG (INV > 50%)
60	189m S	Good quality semi-improved grassland	Main habitat: GQSIG (INV > 50%)
C	199m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%); Additional: LFENS (ENSIS L2)
62	200m SW	Coastal and floodplain grazing marsh	Main habitat: CFPGM (INV > 50%)
C	213m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
67	250m S	Good quality semi-improved grassland	Main habitat: GQSIG (INV > 50%)

This data is sourced from Natural England.

13.2 Habitat Networks

Records within 250m

29

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.

Features are displayed on the Habitat designations map on **page 182**

ID	Location	Type	Habitat
7	On site	Restorable Habitat	Not specified
8	On site	Network Enhancement Zone 2	Not specified
9	On site	Network Enhancement Zone 2	Not specified
10	On site	Network Enhancement Zone 2	Not specified
11	On site	Network Enhancement Zone 2	Not specified
12	On site	Network Enhancement Zone 1	Not specified
13	On site	Network Enhancement Zone 1	Not specified
14	On site	Network Enhancement Zone 1	Not specified
15	On site	Network Enhancement Zone 1	Not specified
16	On site	Network Enhancement Zone 1	Not specified
17	On site	Network Enhancement Zone 1	Not specified
24	14m W	Network Enhancement Zone 2	Not specified
25	15m W	Network Enhancement Zone 1	Not specified



ID	Location	Type	Habitat
29	36m S	Network Enhancement Zone 1	Not specified
A	48m SW	Network Enhancement Zone 1	Not specified
30	50m SW	Network Enhancement Zone 1	Not specified
33	57m SW	Network Enhancement Zone 1	Not specified
35	66m SW	Network Enhancement Zone 2	Not specified
37	78m SW	Network Enhancement Zone 1	Not specified
39	81m SW	Network Enhancement Zone 1	Not specified
40	83m SW	Network Enhancement Zone 1	Not specified
43	105m SW	Network Enhancement Zone 1	Not specified
54	140m SW	Network Enhancement Zone 1	Not specified
55	141m S	Network Enhancement Zone 2	Not specified
B	169m S	Primary Habitat	Lowland fens
58	179m SW	Network Enhancement Zone 1	Not specified
61	191m SW	Network Enhancement Zone 1	Not specified
64	226m SW	Network Enhancement Zone 1	Not specified
65	235m N	Network Enhancement Zone 2	Not specified

This data is sourced from Natural England.

13.3 Open Mosaic Habitat

Records within 250m

5

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.

Features are displayed on the Habitat designations map on **page 182**

ID	Location	Site reference	Identification confidence	Primary source	Secondary source	Tertiary source
2	On site	BRITPITS ref: 4528	Low	British Geological Survey BRITPITS database	UK Perspectives Aerial Photography	-



ID	Location	Site reference	Identification confidence	Primary source	Secondary source	Tertiary source
53	135m NE	BRITPITS ref: 4537	Low	British Geological Survey BRITPITS database	UK Perspectives Aerial Photography	-
57	168m N	BRITPITS ref: 4531	Low	British Geological Survey BRITPITS database	UK Perspectives Aerial Photography	-
63	200m SW	HLD_refs: EAHLD1821 1; EAHLD1821 0	Low	Environment Agency Historic Landfill Sites	UK Perspectives Aerial Photography	-
66	240m S	NLUD Ref: 463000491	Low	National Land Use Database - Previously Developed Land	British Geological Survey BRITPITS database	UK Perspectives Aerial Photography

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

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14.1 10k Availability

Records within 500m

1

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

Features are displayed on the Geology 1:10,000 scale - Availability map on **page 187**

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

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

0

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.

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

14.5 Bedrock geology (10k)

Records within 500m

0

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.

This data is sourced from the British Geological Survey.

14.6 Bedrock faults and other linear features (10k)

Records within 500m

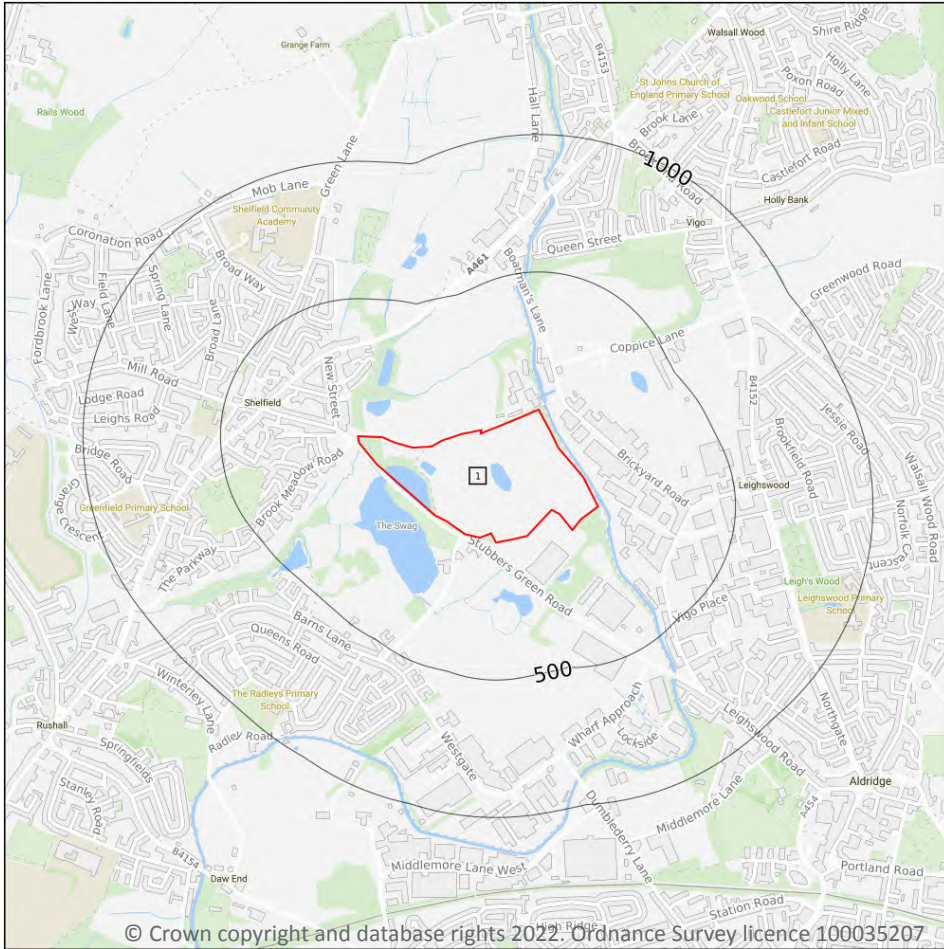
0

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.

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.

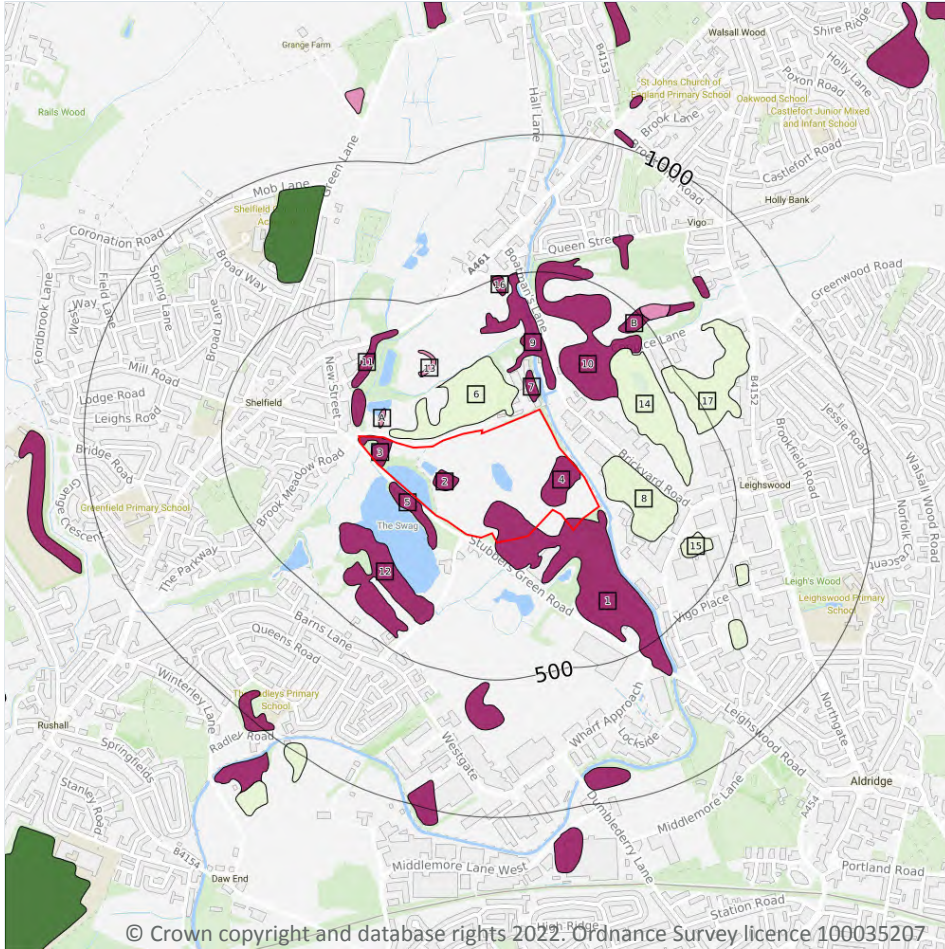
Features are displayed on the Geology 1:50,000 scale - Availability map on **page 191**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	No coverage	EW154_lichfield_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

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15.2 Artificial and made ground (50k)

Records within 500m

20

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 192**

ID	Location	LEX Code	Description	Rock description
1	On site	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT
2	On site	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT
3	On site	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT
4	On site	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT



ID	Location	LEX Code	Description	Rock description
5	6m SW	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT
6	14m NE	WMGR-ARTDP	INFILLED GROUND	ARTIFICIAL DEPOSIT
7	33m NW	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT
A	33m N	WGR-VOID	WORKED GROUND (UNDIVIDED)	VOID
A	36m N	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT
8	42m NE	WMGR-ARTDP	INFILLED GROUND	ARTIFICIAL DEPOSIT
9	84m NE	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT
10	152m NE	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT
11	177m N	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT
12	196m SW	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT
13	243m N	WGR-VOID	WORKED GROUND (UNDIVIDED)	VOID
14	256m NE	WMGR-ARTDP	INFILLED GROUND	ARTIFICIAL DEPOSIT
15	328m SE	WMGR-ARTDP	INFILLED GROUND	ARTIFICIAL DEPOSIT
B	408m NE	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT
16	434m N	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT
17	437m 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

9

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
On site	Mixed	Very High	Low
On site	Mixed	Very High	Low
6m SW	Mixed	Very High	Low

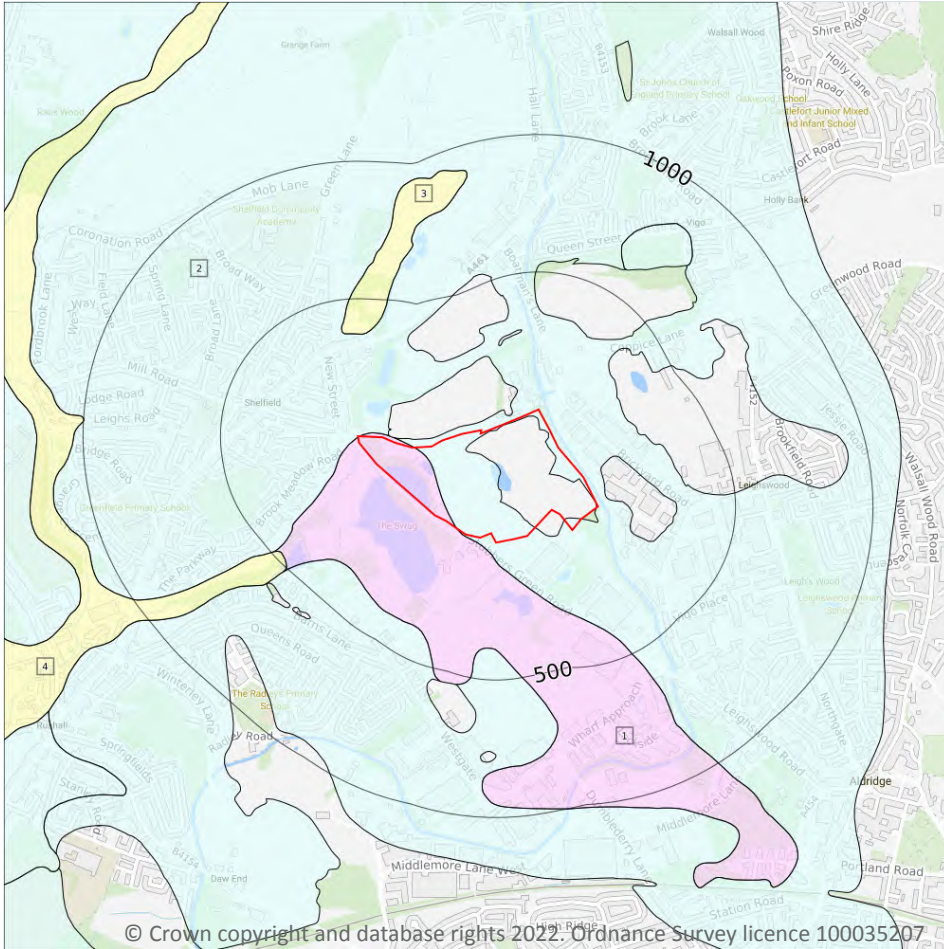


Location	Flow type	Maximum permeability	Minimum permeability
14m N	Mixed	Very High	Low
33m NE	Mixed	Very High	Low
36m NW	Mixed	Very High	Low
42m E	Mixed	Very High	Low

This data is sourced from the British Geological Survey.



Geology 1:50,000 scale - Superficial



- Site Outline
- Search buffers in metres (m)
- Landslip (50k)
- Superficial geology (50k)
Please see table for more details.

15.4 Superficial geology (50k)

Records within 500m

4

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

Features are displayed on the Geology 1:50,000 scale - Superficial map on **page 195**

ID	Location	LEX Code	Description	Rock description
1	On site	GFDUD-XSV	GLACIOFLUVIAL DEPOSITS, DEVENSIAN	SAND AND GRAVEL
2	On site	TILLD-DMTN	TILL, DEVENSIAN	DIAMICTON
3	371m N	ALV-XCZSV	ALLUVIUM	CLAY, SILT, SAND AND GRAVEL

ID	Location	LEX Code	Description	Rock description
4	473m SW	ALV-XCZSV	ALLUVIUM	CLAY, SILT, SAND AND GRAVEL

This data is sourced from the British Geological Survey.

15.5 Superficial permeability (50k)

Records within 50m	2
---------------------------	----------

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

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

This data is sourced from the British Geological Survey.

15.6 Landslip (50k)

Records within 500m	0
----------------------------	----------

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

This data is sourced from the British Geological Survey.

15.7 Landslip permeability (50k)

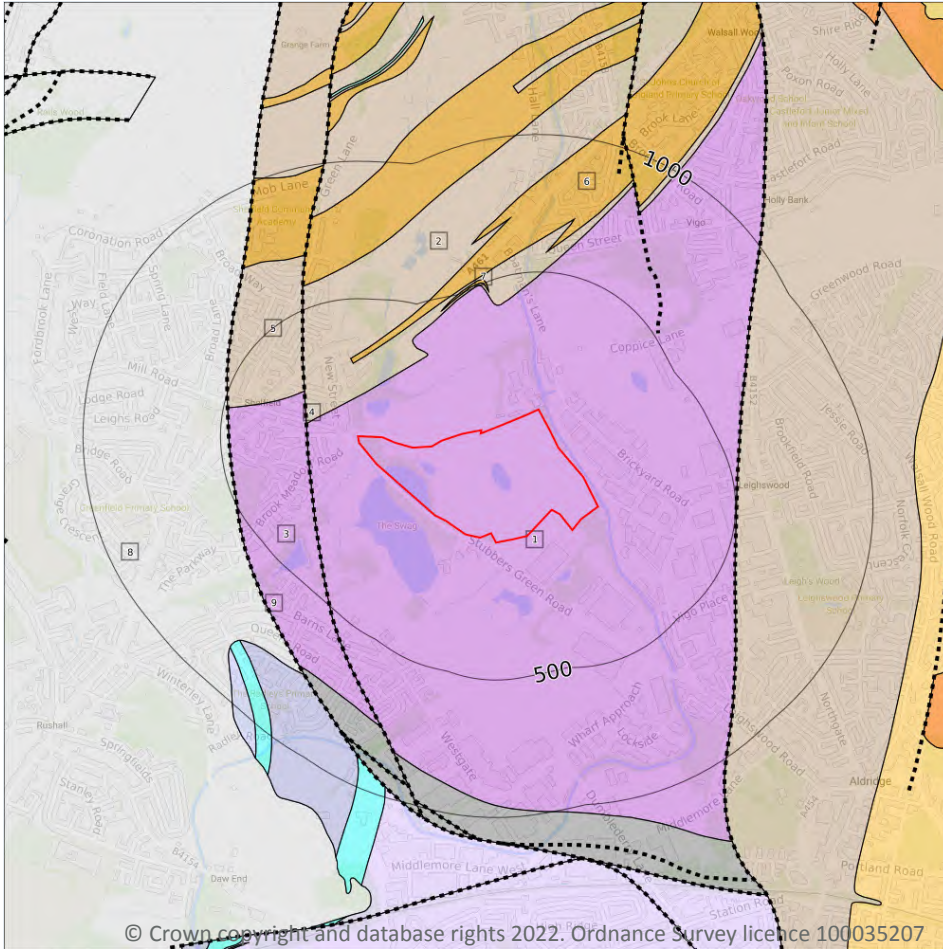
Records within 50m	0
---------------------------	----------

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

This data is sourced from the British Geological Survey.



Geology 1:50,000 scale - Bedrock



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

15.8 Bedrock geology (50k)

Records within 500m

7

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 197**

ID	Location	LEX Code	Description	Rock age
1	On site	ETM-MDSC	ETRURIA FORMATION - MUDSTONE, SANDSTONE AND CONGLOMERATE	WESTPHALIAN
2	128m NW	ALY-MDSD	ALVELEY MEMBER - MUDSTONE AND SANDSTONE	WESTPHALIAN
3	185m W	ETM-MDSC	ETRURIA FORMATION - MUDSTONE, SANDSTONE AND CONGLOMERATE	WESTPHALIAN



ID	Location	LEX Code	Description	Rock age
5	255m NW	ALY-MDSD	ALVELEY MEMBER - MUDSTONE AND SANDSTONE	WESTPHALIAN
6	266m N	ALY-SDST	ALVELEY MEMBER - SANDSTONE	WESTPHALIAN
7	455m N	ALY-SDST	ALVELEY MEMBER - SANDSTONE	WESTPHALIAN
8	469m W	PLCM-MDSS	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN

This data is sourced from the British Geological Survey.

15.9 Bedrock permeability (50k)

Records within 50m	1
---------------------------	----------

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

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

This data is sourced from the British Geological Survey.

15.10 Bedrock faults and other linear features (50k)

Records within 500m	2
----------------------------	----------

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.

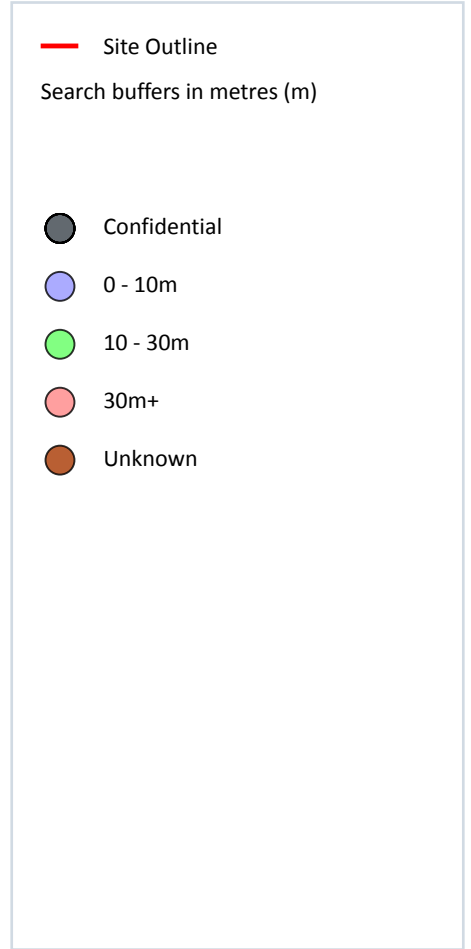
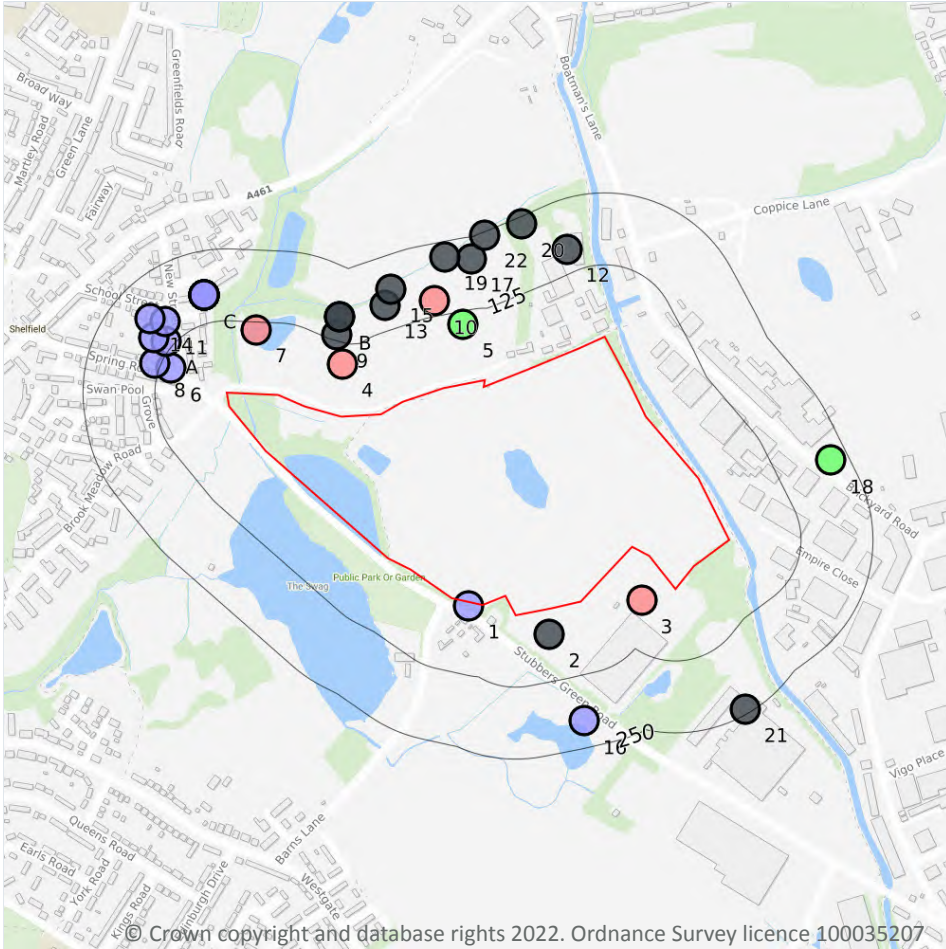
Features are displayed on the Geology 1:50,000 scale - Bedrock map on **page 197**

ID	Location	Category	Description
4	185m W	FAULT	Fault, inferred
9	469m W	FAULT	Fault, inferred

This data is sourced from the British Geological Survey.



16 Boreholes



16.1 BGS Boreholes

Records within 250m

40

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 199**

ID	Location	Grid reference	Name	Length	Confidential	Web link
1	7m S	404260 301760	ALDRIDGE SEWER BH4	4.0	N	189633
2	44m S	404400 301710	COPPY HALL STUBBERS GREEN ROAD	-	Y	N/A



ID	Location	Grid reference	Name	Length	Confidential	Web link
3	58m SW	404560 301770	COPPY HALL COLLIERY 1	381.6	N	189481
4	88m N	404040 302180	EMPIRE BRICK QUARRY BH2	30.78	N	189652
5	103m N	404250 302250	EMPIRE BRICK COMPOSITE SECTION SHELFIELD	24.68	N	189654
6	106m NW	403742 302173	LICHFIELD ROAD SHELFIELD 8	5.0	N	190067
7	112m N	403890 302240	EMPIRE BRICK QUARRY BH1	61.56	N	189651
8	135m W	403714 302181	LICHFIELD ROAD SHELFIELD 7	7.0	N	190066
9	136m N	404031 302232	Empire Works, Walsall BHM	-	Y	N/A
A	138m NW	403734 302220	LICHFIELD ROAD SHELFIELD 6	6.0	N	190065
10	152m N	404200 302290	EMPIRE BRICK QUARRY BH3	30.48	N	189653
A	158m NW	403713 302226	LICHFIELD ROAD SHELFIELD 5	7.0	N	190064
11	164m NW	403732 302254	LICHFIELD ROAD SHELFIELD 4	7.5	N	190063
12	166m NW	404430 302380	EMPIRE BOREHOLE	-	Y	N/A
B	166m N	404035 302262	Empire Works, Walsall BHA	-	Y	N/A
B	166m N	404035 302262	Empire Works, Walsall BHA1	-	Y	N/A
13	169m N	404114 302283	Empire Works, Walsall BHL	-	Y	N/A
C	174m N	403800 302300	GREEN LANE SHELFIELD TP 8	2.0	N	189769
C	174m N	403800 302300	GREEN LANE SHELFIELD TP 3	2.0	N	189764
C	174m N	403800 302300	GREEN LANE SHELFIELD TP 2	3.0	N	189763
C	174m N	403800 302300	GREEN LANE SHELFIELD TP 7	2.0	N	189768
C	174m N	403800 302300	GREEN LANE SHELFIELD TP 14	2.0	N	189775
C	174m N	403800 302300	GREEN LANE SHELFIELD TP 5	3.0	N	189766
C	174m N	403800 302300	GREEN LANE SHELFIELD TP 13	1.0	N	189774
C	174m N	403800 302300	GREEN LANE SHELFIELD TP 12	2.0	N	189773
C	174m N	403800 302300	GREEN LANE SHELFIELD TP 10	2.0	N	189771
C	174m N	403800 302300	GREEN LANE SHELFIELD TP 11	2.0	N	189772
C	174m N	403800 302300	GREEN LANE SHELFIELD TP 9	1.0	N	189770
C	174m N	403800 302300	GREEN LANE SHELFIELD TP 6	2.0	N	189767
C	174m N	403800 302300	GREEN LANE SHELFIELD TP 4	2.0	N	189765

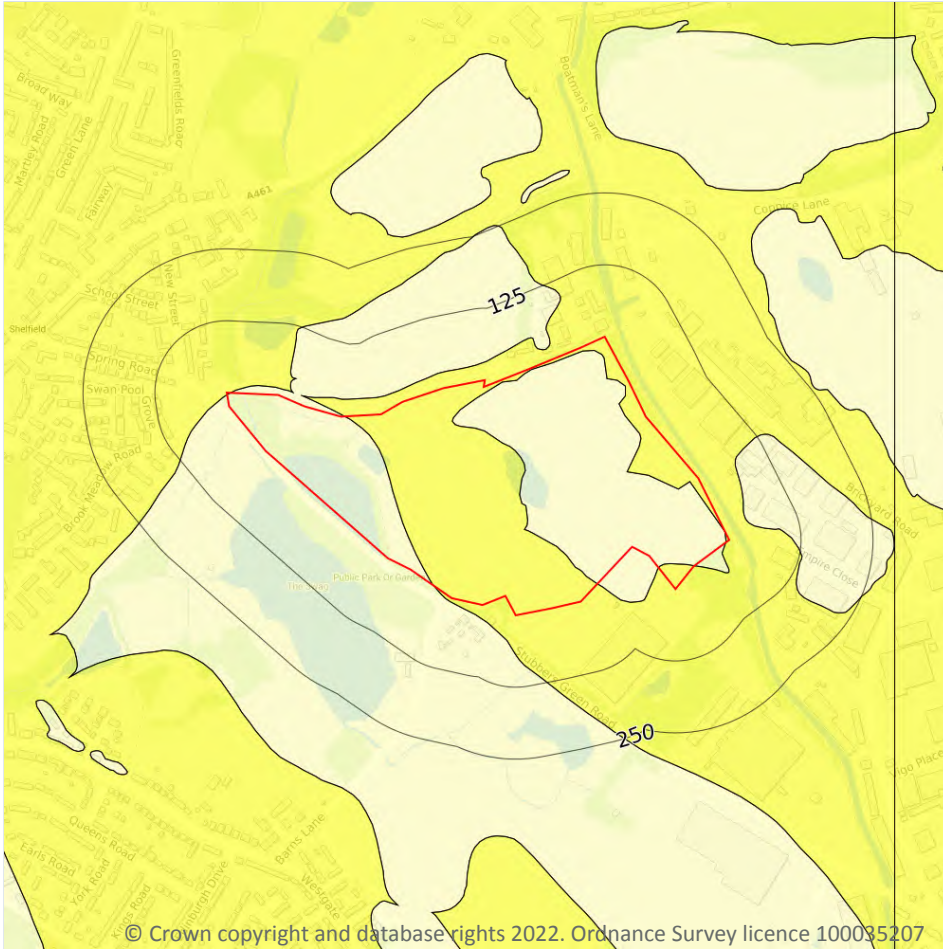


ID	Location	Grid reference	Name	Length	Confidential	Web link
C	174m N	403800 302300	GREEN LANE SHELFIELD TP 1	3.0	N	189762
14	185m NW	403706 302259	LICHFIELD ROAD SHELFIELD 3	7.5	N	190062
15	193m N	404124 302311	Empire Works, Walsall BHC	-	Y	N/A
16	203m S	404460 301560	ALDRIDGE SEWER BH5	4.0	N	189634
17	212m N	404264 302363	Empire Works, Walsall BHK	-	Y	N/A
18	220m NE	404889 302013	MIDDLEMORE LANE ALDRIDGE 2	12.49	N	15604712
19	224m N	404218 302367	Empire Works, Walsall BHE	-	Y	N/A
20	238m NW	404352 302424	Empire Works, Walsall BHI	-	Y	N/A
21	242m SE	404740 301580	STUBBERS GREEN ALDRIDGE DP22	-	Y	N/A
22	245m NW	404288 302405	Empire Works, Walsall BHG	-	Y	N/A

This data is sourced from the British Geological Survey.



17 Natural ground subsidence - Shrink swell clays



17.1 Shrink swell clays

Records within 50m

3

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).

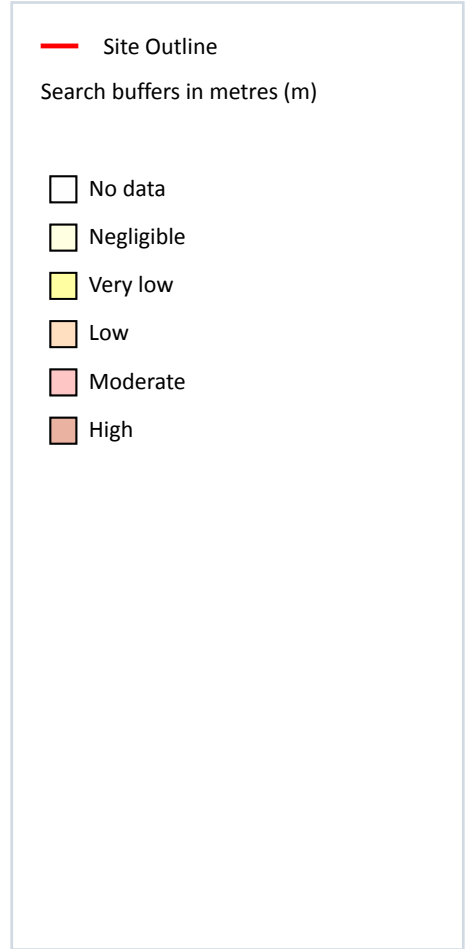
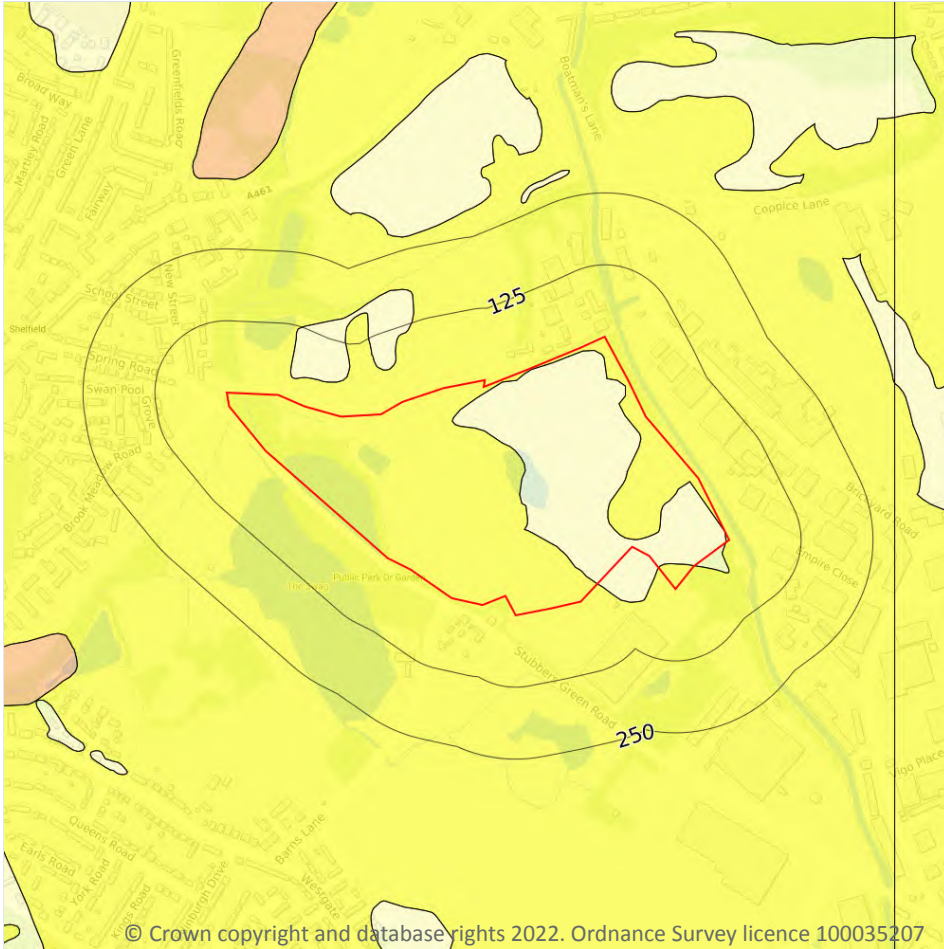
Features are displayed on the Natural ground subsidence - Shrink swell clays map on **page 202**

Location	Hazard rating	Details
On site	Negligible	Ground conditions predominantly non-plastic.
On site	Very low	Ground conditions predominantly low plasticity.
42m NE	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

3

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

Features are displayed on the Natural ground subsidence - Running sands map on **page 204**

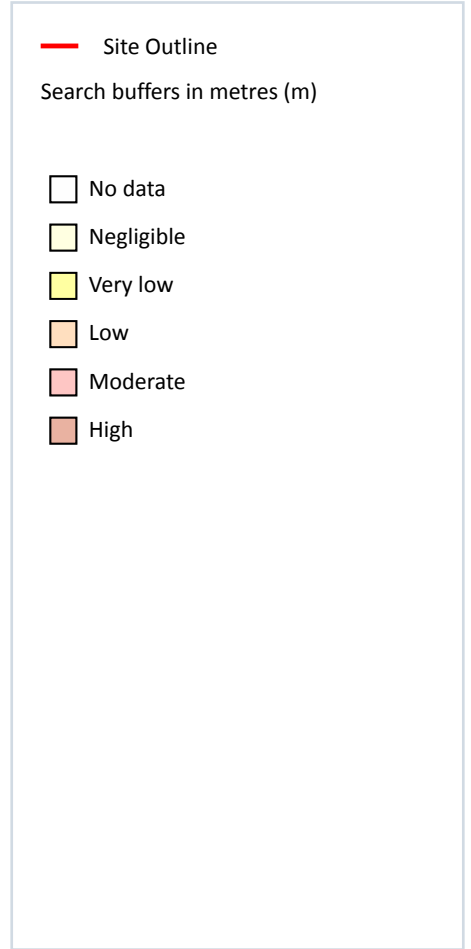
Location	Hazard rating	Details
On site	Negligible	Running sand conditions are not thought to occur whatever the position of the water table. No identified constraints on lands use due to running conditions.

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.
38m NE	Negligible	Running sand conditions are not thought to occur whatever the position of the water table. No identified constraints on lands use due to running conditions.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Compressible deposits



17.3 Compressible deposits

Records within 50m

7

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 206**

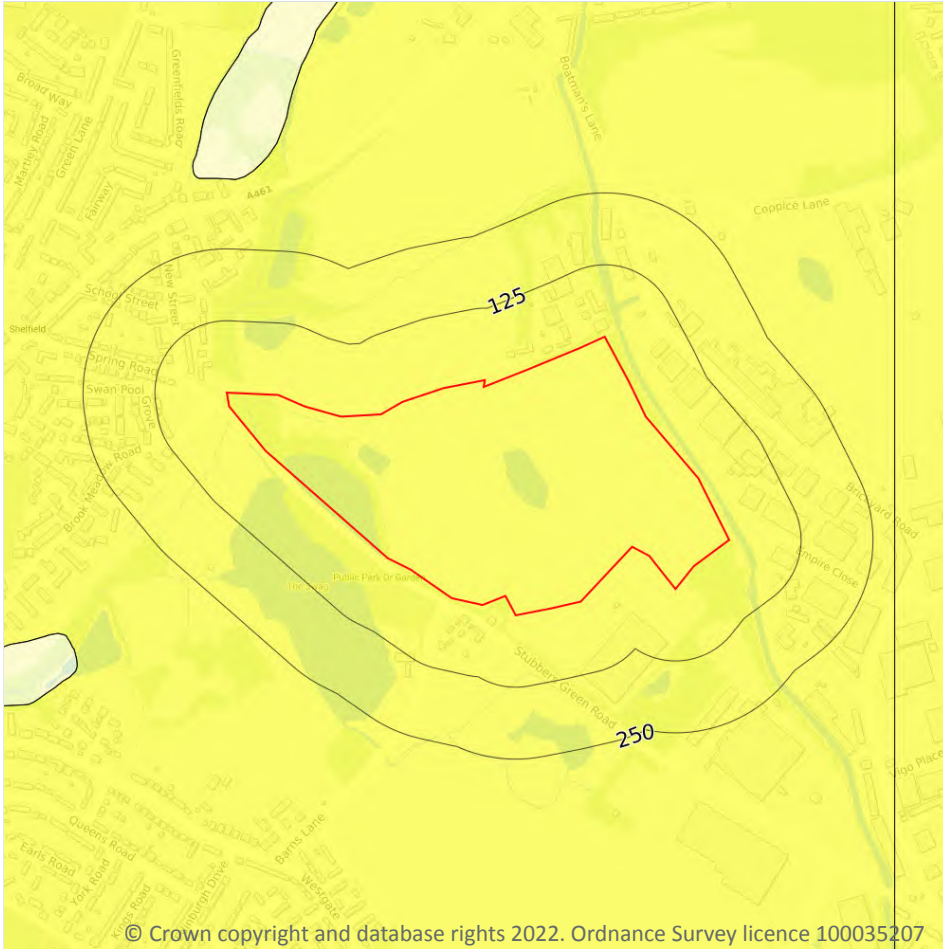
Location	Hazard rating	Details
On site	Negligible	Compressible strata are not thought to occur.
On site	Very low	Compressibility and uneven settlement problems are not likely to be significant on the site for most land uses.

Location	Hazard rating	Details
6m SW	Very low	Compressibility and uneven settlement problems are not likely to be significant on the site for most land uses.
14m NE	Moderate	Compressibility and uneven settlement hazards are probably present. Land use should consider specifically the compressibility and variability of the site.
33m NW	Very low	Compressibility and uneven settlement problems are not likely to be significant on the site for most land uses.
36m N	Very low	Compressibility and uneven settlement problems are not likely to be significant on the site for most land uses.
42m 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

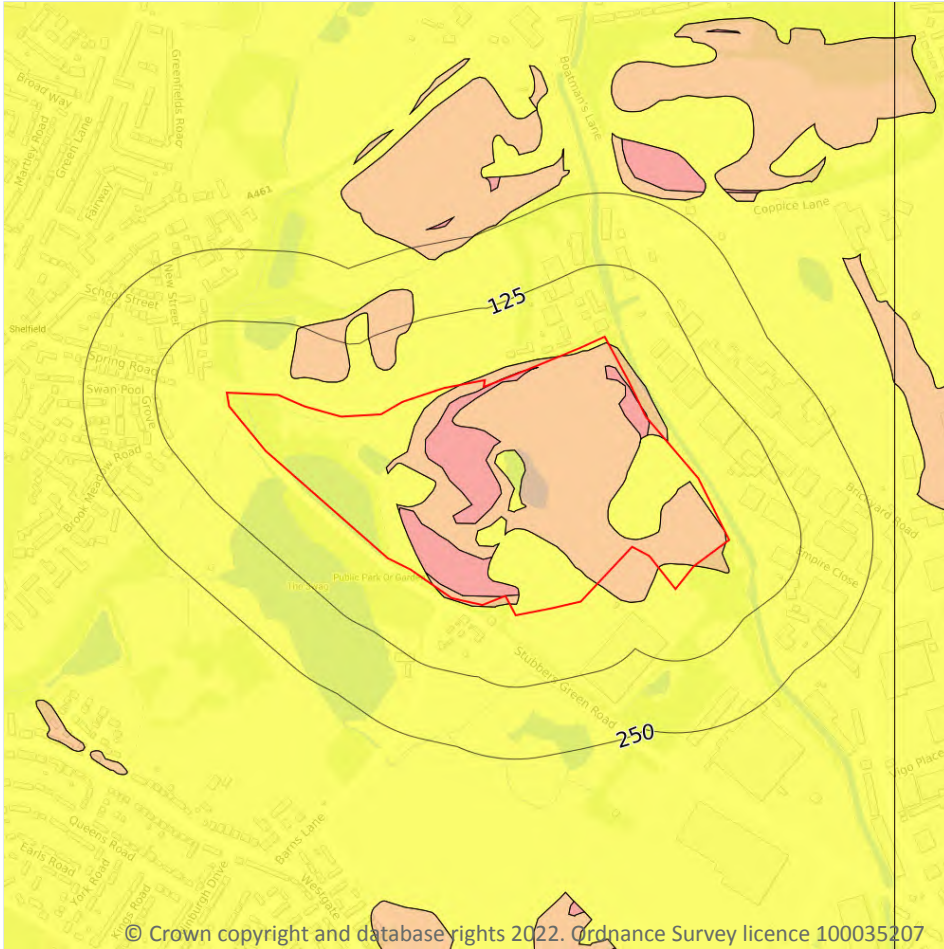
The potential hazard presented by natural deposits that could collapse when a load (such as a building) is placed on them or they become saturated with water.

Features are displayed on the Natural ground subsidence - Collapsible deposits map on **page 208**

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

4

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 209**

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.

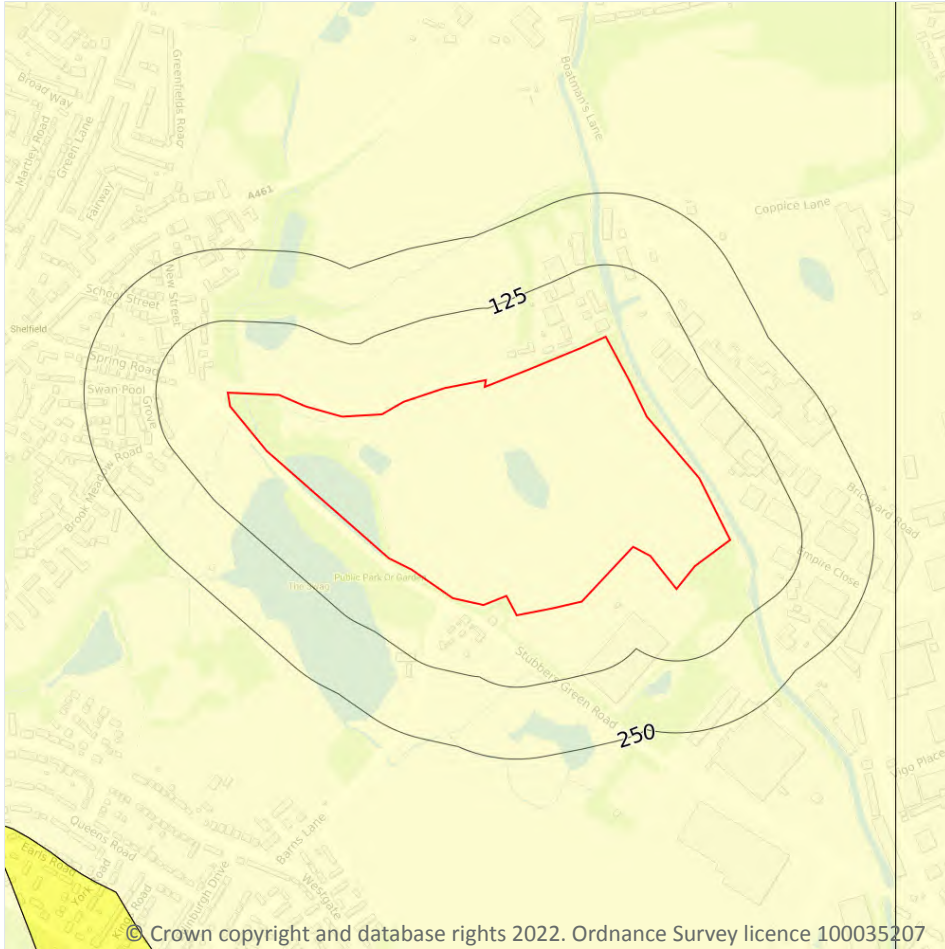


Location	Hazard rating	Details
On site	Low	Slope instability problems may be present or anticipated. Site investigation should consider specifically the slope stability of the site.
On site	Moderate	Slope instability problems are probably present or have occurred in the past. Land use should consider specifically the stability of the site.
38m NE	Low	Slope instability problems may be present or anticipated. Site investigation should consider specifically the slope stability of the site.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Ground dissolution of soluble rocks



17.6 Ground dissolution of soluble rocks

Records within 50m

1

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

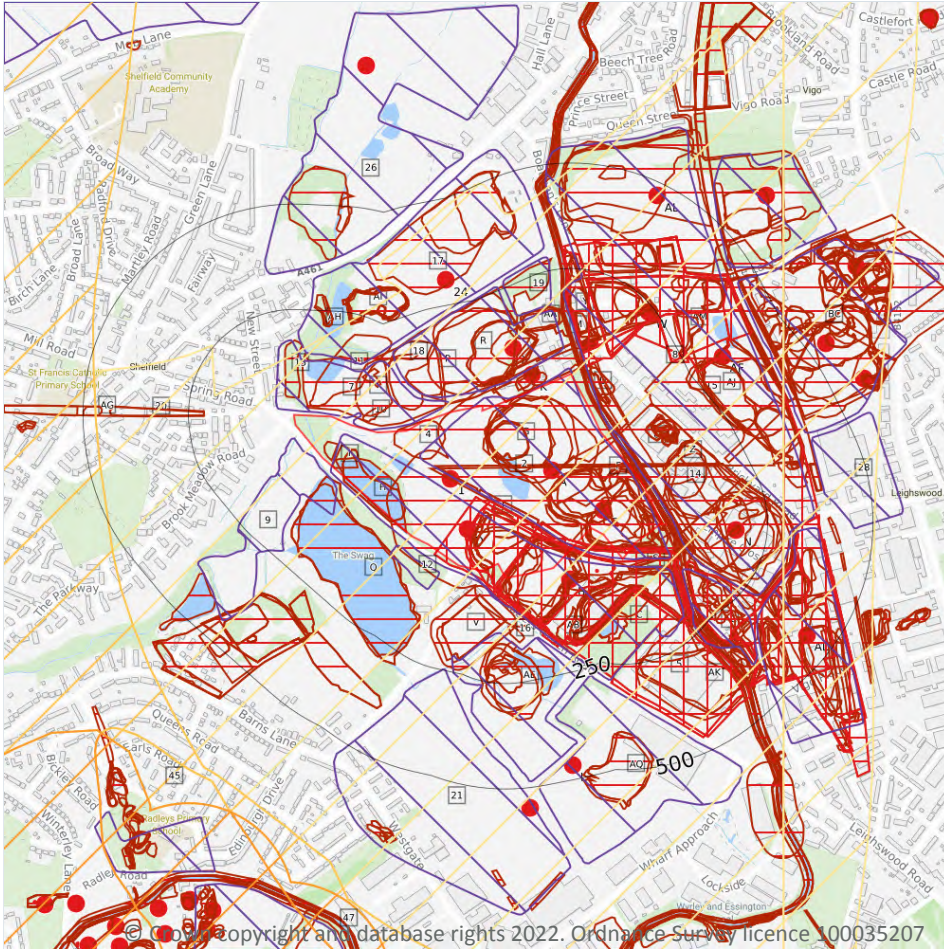
Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on **page 211**

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 Stantec UK Ltd.

18.2 BritPits

Records within 500m

15

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 213**

ID	Location	Details	Description
1	On site	Name: Sandown (3) Clay Pit Address: Aldridge, WALSALL, West Midlands Commodity: Clay & Shale Status: Active	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which is actively extracting mineral products, or in the case of wharfs and rail depots, is actively handing minerals
A	On site	Name: Sandown (2) Quarry Address: Aldridge, WALSALL, West Midlands Commodity: Clay & Shale Status: Inactive	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, is not extracting minerals, but which still has a valid planning permission to do so, and can restart at any time. May be considered Mothballed by operator. May be considered to have Active or Dormant planning permission
D	On site	Name: Sandown (1) Quarry Address: Aldridge, WALSALL, West Midlands Commodity: Clay & Shale Status: Active	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which is actively extracting mineral products, or in the case of wharfs and rail depots, is actively handing minerals
E	On site	Name: Stubber's Green Works Address: Stubber's Green, Aldridge, WALSALL, West Midlands Commodity: Clay & Shale Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
K	35m NW	Name: Northwood Bridge Address: Aldridge, WALSALL, West Midlands Commodity: Clay & Shale Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority



ID	Location	Details	Description
B	47m SE	Name: Stubber's Green Colliery Address: Stubber's Green, Aldridge, WALSALL, Staffordshire Commodity: Coal, Deep Status: Ceased	Type: Working is wholly underground, access by shaft, adit or drift. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun Ee - Scots) Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
X	111m NW	Name: Empire Works Address: Aldridge, WALSALL, West Midlands Commodity: Clay & Shale Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
N	175m E	Name: Victoria Works Address: Stubber's Green, Aldridge, WALSALL, West Midlands Commodity: Clay & Shale Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
W	235m NE	Name: Aldridge Colliery Address: Aldridge, WALSALL, Staffordshire Commodity: Coal, Deep Status: Ceased	Type: Working is wholly underground, access by shaft, adit or drift. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun Ee - Scots) Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
24	308m N	Name: Highfields South Quarry Address: Aldridge, WALSALL, West Midlands Commodity: Clay & Shale Status: Active	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which is actively extracting mineral products, or in the case of wharfs and rail depots, is actively handing minerals
AF	336m NE	Name: Aldridge Clay Pit Address: Aldridge, WALSALL, West Midlands Commodity: Clay & Shale Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority



ID	Location	Details	Description
AD	433m SE	Name: Leigh's Wood Colliery Address: Leighswood, Aldridge, WALSALL, Staffordshire Commodity: Coal, Deep Status: Ceased	Type: Working is wholly underground, access by shaft, adit or drift. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun Ee - Scots) Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
L	465m S	Name: Atlas Brickworks Address: Aldridge, WALSALL, West Midlands Commodity: Clay & Shale Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
AL	468m NE	Name: Vigo & Utopia Address: WALSALL, West Midlands Commodity: Clay & Shale Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
AL	468m NE	Name: Utopia Clay Pit Address: Kingswinford, Brierley Hill, DUDLEY, West Midlands Commodity: Clay & Shale Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority

This data is sourced from the British Geological Survey.

18.3 Surface ground workings

Records within 250m

233

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 213**

ID	Location	Land Use	Year of mapping	Mapping scale
2	On site	Unspecified Pit	1921	1:10560
3	On site	Clay Pit	1990	1:10000



ID	Location	Land Use	Year of mapping	Mapping scale
4	On site	Unspecified Heap	1980	1:10000
5	On site	Refuse Heaps	1955	1:10560
6	On site	Brick and Tile Works	1883	1:10560
B	On site	Refuse Heap	1938	1:10560
B	On site	Disused Colliery	1938	1:10560
B	On site	Disused Colliery	1913	1:10560
B	On site	Refuse Heap	1913	1:10560
B	On site	Colliery	1901	1:10560
B	On site	Colliery	1883	1:10560
B	On site	Unspecified Heap	1883	1:10560
B	On site	Sand Pit	1901	1:10560
B	On site	Unspecified Heap	1955	1:10560
B	On site	Unspecified Heap	1980	1:10000
B	On site	Unspecified Ground Workings	1980	1:10000
B	On site	Unspecified Ground Workings	1980	1:10000
B	On site	Unspecified Heap	1971	1:10000
B	On site	Unspecified Ground Workings	1971	1:10000
B	On site	Refuse Heap	1921	1:10560
B	On site	Unspecified Ground Workings	1885	1:10560
B	On site	Unspecified Ground Workings	1885	1:10560
B	On site	Colliery	1885	1:10560
C	On site	Disused Colliery	1955	1:10560
C	On site	Disused Colliery	1921	1:10560
D	On site	Pond	1980	1:10000
D	On site	Pond	1971	1:10000
D	On site	Pond	1938	1:10560
D	On site	Pond	1913	1:10560
D	On site	Pond	1921	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
E	On site	Unspecified Pit	1938	1:10560
E	On site	Unspecified Pit	1913	1:10560
E	On site	Unspecified Pit	1901	1:10560
E	On site	Pond	1955	1:10560
E	On site	Pond	1980	1:10000
E	On site	Pond	1971	1:10000
E	On site	Unspecified Heap	1901	1:10560
E	On site	Pond	1938	1:10560
E	On site	Pond	1913	1:10560
E	On site	Pond	1901	1:10560
E	On site	Brick and Tile Works	1883	1:10560
E	On site	Disused Brick and Tile Works	1938	1:10560
E	On site	Disused Brick and Tile Works	1913	1:10560
E	On site	Pond	1990	1:10000
E	On site	Water Body	1921	1:10560
E	On site	Unspecified Ground Workings	1955	1:10560
E	On site	Refuse Heap	1955	1:10560
E	On site	Unspecified Ground Workings	1921	1:10560
E	On site	Disused Brick and Tile Works	1921	1:10560
E	On site	Unspecified Pit	1921	1:10560
E	On site	Brick and Tile Works	1885	1:10560
F	On site	Unspecified Pit	1921	1:10560
F	On site	Brick and Tile Works	1888	1:10560
G	On site	Unspecified Pit	1938	1:10560
G	On site	Unspecified Pit	1915	1:10560
G	On site	Unspecified Pit	1901	1:10560
G	On site	Clay Pit	1971	1:10000
G	On site	Pond	1883	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
G	On site	Unspecified Pit	1955	1:10560
G	On site	Unspecified Pit	1980	1:10000
G	On site	Unspecified Pit	1921	1:10560
G	On site	Unspecified Ground Workings	1888	1:10560
H	On site	Pond	1980	1:10000
H	On site	Pond	1971	1:10000
H	On site	Pond	1990	1:10000
I	On site	Pond	1901	1:10560
I	On site	Pond	1901	1:10560
J	On site	Pond	1938	1:10560
J	On site	Pond	1913	1:10560
K	On site	Brick Works	1883	1:10560
L	On site	Canal	1921	1:10560
K	0m N	Brick Works	1888	1:10560
M	2m NE	Canal	1955	1:10560
K	3m NW	Refuse Heap	1921	1:10560
K	6m NW	Unspecified Pit	1883	1:10560
L	6m NE	Canal	1938	1:10560
L	6m NE	Canal	1913	1:10560
L	6m NE	Canal	1901	1:10560
L	6m NE	Canal	1883	1:10560
M	6m NE	Canal	1980	1:10000
M	6m NE	Canal	1990	1:10000
N	6m NE	Brick and Tile Works	1921	1:10560
O	7m NE	Canal	1921	1:10560
O	7m NE	Canal	1938	1:10560
O	7m NE	Canal	1915	1:10560
O	7m NE	Canal	1901	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
O	7m NE	Canal	1883	1:10560
K	13m NW	Refuse Heap	1938	1:10560
K	13m NW	Refuse Heap	1915	1:10560
P	15m N	Refuse Heap	1990	1:10000
N	17m NE	Brick and Tile Works	1938	1:10560
N	17m NE	Brick and Tile Works	1913	1:10560
N	17m NE	Brick and Tile Works	1913	1:10560
Q	19m SW	Pond	1980	1:10000
Q	19m SW	Pond	1971	1:10000
10	19m N	Pond	1971	1:10000
R	20m N	Unspecified Pit	1980	1:10000
11	22m N	Pond	1955	1:10560
S	22m SE	Pond	1921	1:10560
N	28m NE	Unspecified Pit	1921	1:10560
T	30m N	Unspecified Pit	1980	1:10000
U	31m NE	Pond	1938	1:10560
U	31m NE	Pond	1915	1:10560
U	31m NE	Pond	1955	1:10560
U	31m NE	Pond	1971	1:10000
C	32m S	Refuse Heap	1938	1:10560
C	32m S	Refuse Heap	1913	1:10560
P	32m N	Pond	1980	1:10000
U	33m NE	Pond	1921	1:10560
N	35m NE	Pond	1971	1:10000
R	35m N	Unspecified Pit	1955	1:10560
C	36m S	Unspecified Heap	1901	1:10560
U	36m NE	Pond	1901	1:10560
V	37m S	Sewage Farm	1955	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
Q	37m SW	Pond	1990	1:10000
W	38m NE	Colliery	1921	1:10560
S	38m SE	Pond	1955	1:10560
N	41m NE	Unspecified Pits	1938	1:10560
13	41m N	Unspecified Heap	1990	1:10000
C	46m S	Refuse Heap	1921	1:10560
R	46m N	Pond	1971	1:10000
X	46m N	Unspecified Pit	1921	1:10560
N	48m NE	Pond	1955	1:10560
X	50m N	Unspecified Pit	1938	1:10560
X	50m N	Unspecified Pit	1915	1:10560
N	51m SE	Brick and Tile Works	1885	1:10560
14	51m NE	Unspecified Pit	1901	1:10560
N	54m SE	Brick and Tile Works	1883	1:10560
W	55m NE	Colliery	1938	1:10560
W	55m NE	Colliery	1915	1:10560
V	57m S	Sewage Farm	1938	1:10560
V	57m S	Sewage Farm	1913	1:10560
C	58m S	Unspecified Heap	1883	1:10560
C	61m S	Unspecified Ground Workings	1885	1:10560
C	65m S	Unspecified Heap	1980	1:10000
C	65m S	Unspecified Heap	1971	1:10000
Y	66m NE	Refuse Heap	1921	1:10560
Y	66m N	Unspecified Wharf	1888	1:10560
V	67m S	Sewage Farm	1921	1:10560
Y	68m N	Refuse Heaps	1955	1:10560
W	70m N	Refuse Heap	1915	1:10560
Z	71m NE	Unspecified Pit	1901	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
Y	73m N	Unspecified Wharf	1883	1:10560
X	74m NW	Unspecified Pit	1901	1:10560
Z	75m NE	Unspecified Pit	1921	1:10560
W	79m N	Refuse Heap	1901	1:10560
M	83m NE	Pond	1883	1:10560
M	83m NE	Pond	1888	1:10560
AA	89m N	Refuse Heap	1938	1:10560
AA	89m N	Refuse Heap	1915	1:10560
Y	91m N	Refuse Heap	1938	1:10560
Y	91m N	Refuse Heap	1915	1:10560
M	95m NE	Unspecified Pit	1883	1:10560
M	96m NE	Unspecified Ground Workings	1888	1:10560
M	96m NE	Refuse Heap	1938	1:10560
M	96m NE	Refuse Heap	1915	1:10560
M	96m NE	Ponds	1938	1:10560
M	96m NE	Ponds	1915	1:10560
M	98m NE	Ponds	1921	1:10560
Y	98m N	Refuse Heap	1901	1:10560
Y	98m N	Brick Yards	1901	1:10560
M	102m NE	Refuse Heap	1921	1:10560
15	103m NE	Colliery	1888	1:10560
T	104m N	Ponds	1883	1:10560
W	105m NE	Colliery	1901	1:10560
W	105m NE	Colliery	1883	1:10560
Z	105m NE	Unspecified Pit	1938	1:10560
Z	105m NE	Unspecified Pit	1915	1:10560
AB	105m SE	Pond	1980	1:10000
AB	105m SE	Pond	1971	1:10000



ID	Location	Land Use	Year of mapping	Mapping scale
AC	108m SE	Water Body	1921	1:10560
AC	108m SE	Refuse Heap	1921	1:10560
AC	111m SE	Pond	1938	1:10560
AC	111m SE	Water Body	1913	1:10560
AD	111m SE	Colliery	1938	1:10560
AC	114m SE	Pond	1883	1:10560
16	115m S	Pond	1901	1:10560
AC	115m SE	Pond	1885	1:10560
AA	116m N	Refuse Heap	1921	1:10560
AA	122m N	Refuse Heaps	1955	1:10560
C	123m S	Pond	1980	1:10000
C	123m S	Pond	1971	1:10000
W	128m NE	Refuse Heap	1921	1:10560
N	130m E	Unspecified Pit	1901	1:10560
N	138m E	Unspecified Heap	1921	1:10560
C	140m S	Pond	1990	1:10000
W	146m NE	Refuse Heap	1938	1:10560
W	146m NE	Refuse Heap	1915	1:10560
18	148m N	Pond	1901	1:10560
N	150m E	Unspecified Heap	1938	1:10560
N	150m E	Unspecified Heap	1913	1:10560
AE	151m S	Pond	1955	1:10560
AC	157m SE	Refuse Heap	1938	1:10560
AE	157m S	Pond	1938	1:10560
AE	157m S	Pond	1913	1:10560
N	163m E	Unspecified Ground Workings	1921	1:10560
AE	167m S	Pond	1921	1:10560
W	178m NE	Unspecified Ground Workings	1883	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
W	180m NE	Unspecified Ground Workings	1888	1:10560
AE	181m S	Pond	1980	1:10000
AE	181m S	Pond	1971	1:10000
N	184m E	Unspecified Ground Workings	1921	1:10560
AC	184m SE	Refuse Heaps	1955	1:10560
AE	184m S	Pond	1901	1:10560
W	186m NE	Unspecified Heap	1955	1:10560
AE	194m S	Pond	1990	1:10000
AC	201m SE	Pond	1971	1:10000
AF	202m NE	Clay Pit	1990	1:10000
AC	209m SE	Ponds	1955	1:10560
20	213m W	Cuttings	1883	1:10560
AG	213m W	Cuttings	1888	1:10560
AH	213m N	Unspecified Ground Workings	1888	1:10560
AH	214m N	Unspecified Pit	1883	1:10560
O	219m N	Unspecified Wharf	1888	1:10560
AI	225m N	Pond	1901	1:10560
AI	225m N	Pond	1883	1:10560
AI	225m N	Pond	1888	1:10560
O	229m N	Unspecified Wharf	1883	1:10560
AI	230m N	Pond	1921	1:10560
AJ	230m NE	Pond	1883	1:10560
AJ	232m NE	Pond	1888	1:10560
AI	234m N	Pond	1938	1:10560
AI	234m N	Pond	1915	1:10560
AI	237m N	Pond	1955	1:10560
AI	237m N	Pool	1980	1:10000
AI	237m N	Pool	1971	1:10000



ID	Location	Land Use	Year of mapping	Mapping scale
AI	237m N	Pool	1990	1:10000
AK	237m S	Refuse Heap	1938	1:10560
AK	237m S	Refuse Heap	1913	1:10560
AK	242m S	Refuse Heap	1921	1:10560
AL	245m N	Disused Clay Pit	1990	1:10000
AM	246m NE	Unspecified Ground Workings	1883	1:10560
AM	248m NE	Unspecified Ground Workings	1888	1:10560

This data is sourced from Ordnance Survey/Groundsure.

18.4 Underground workings

Records within 1000m

19

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 213**

ID	Location	Land Use	Year of mapping	Mapping scale
B	On site	Disused Colliery	1938	1:10560
B	On site	Disused Colliery	1913	1:10560
B	On site	Colliery	1901	1:10560
B	On site	Colliery	1883	1:10560
C	On site	Disused Colliery	1949	1:10560
C	On site	Disused Colliery	1921	1:10560
W	38m NE	Colliery	1921	1:10560
W	55m NE	Colliery	1938	1:10560
W	55m NE	Colliery	1915	1:10560
B	63m SW	Unspecified Shaft	1883	1:10560
W	105m NE	Colliery	1901	1:10560
W	105m NE	Colliery	1883	1:10560
AD	111m SE	Colliery	1938	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
W	276m NE	Unspecified Shaft	1883	1:10560
AD	288m E	Disused Colliery	1949	1:10560
AD	303m SE	Colliery	1901	1:10560
AD	303m SE	Colliery	1921	1:10560
AD	308m SE	Colliery	1883	1:10560
AD	427m SE	Unspecified Shaft	1883	1:10560

This data is sourced from Ordnance Survey/Groundsure.

18.5 Historical Mineral Planning Areas

Records within 500m

18

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

Features are displayed on the Mining, ground workings and natural cavities map on **page 213**

ID	Location	Site Name	Mineral	Type	Planning Status	Planning Status Date
A	On site	Atlas	Clay, shale	Surface mineral working	Valid	3/6/47
B	On site	Atlas	Clay, shale	Surface mineral working	Valid	3/6/47
7	1m N	Empire	Clay, shale	Surface mineral working	Refused	Not available
8	10m NE	Northywood	Clay, shale	Surface mineral working	Valid	Not available
9	15m SW	Atlas	Clay, shale	Surface mineral working	Refused	Not available
R	35m N	Empire	Clay, shale	Surface mineral working	Valid	5/6/47
12	35m SW	Atlas	Clay, shale	Surface mineral working	Refused	Not available
AC	119m SE	Atlas	Clay, shale	Surface mineral working	Refused	Not available
AE	131m S	Aldridge	Clay, shale	Surface mineral working	Valid	13/10/47
17	138m N	Northywood	Clay, shale	Surface mineral working	Application	Not available
19	171m N	Empire	Clay, shale	Surface mineral working	Refused	Not available
21	248m S	Aldridge	Clay, shale	Surface mineral working	Valid	13/10/47
AQ	270m S	Aldridge	Clay, shale	Surface mineral working	Valid	13/10/47



ID	Location	Site Name	Mineral	Type	Planning Status	Planning Status Date
AD	309m SE	Aldridge	Clay, shale	Surface mineral working	Valid	13/10/47
26	337m N	Northywood	Clay, shale	Surface mineral working	Application	Not available
28	391m E	Aldridge	Clay, shale	Surface mineral working	Valid	13/10/47
BC	399m NE	Coppy Leasows	Clay, shale	Surface mineral working	Valid	3/6/47
BA	455m NE	Vigo	Clay, shale	Surface mineral working	Valid	Not available

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 213**

ID	Location	Name	Commodity	Class	Likelihood
B	On site	Not available	Vein Mineral	A	Sporadic underground mining of restricted extent may have occurred. Potential for difficult ground conditions are unlikely and localised and are at a level where they need not be considered
23	288m E	Not available	Vein Mineral	A	Sporadic underground mining of restricted extent may have occurred. Potential for difficult ground conditions are unlikely and localised and are at a level where they need not be considered
36	469m 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
45	750m SW	Not available	Vein Mineral	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
47	779m SW	Not available	Limestone - Black Country\Iron Ore (Bedded)	C	Small scale underground mining may have occurred; mine adits, shafts and tunnels may be present. Potential for localised difficult ground conditions are at a level where they should be considered



ID	Location	Name	Commodity	Class	Likelihood
48	782m SW	Not available	Limestone - Black Country\Vein Mineral	C	Small scale underground mining may have occurred; mine adits, shafts and tunnels may be present. Potential for localised difficult ground conditions are at a level where they should be considered
50	836m SW	Not available	Limestone - Black Country\Iron Ore (Bedded)	C	Small scale underground mining may have occurred; mine adits, shafts and tunnels may be present. Potential for localised difficult ground conditions are at a level where they should be considered

This data is sourced from the British Geological Survey.

18.7 Mining cavities

Records within 1000m

0

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

This data is sourced from Stantec UK Ltd.

18.8 JPB mining areas

Records on site

1

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

Location	Details
On site	In addition to being located inside an area where The Coal Authority have information on coal mining activities, Johnson Poole & Bloomer (JPB) have information such as mining plans and maps held within their archive of mining activities that have occurred within 1km of this property which may supplement this information. Please note, the plans held by JPB may also relate to non-mining records. Further details and a quote for services (if appropriate) can be obtained by emailing this report to enquiries.gs@jpb.co.uk .

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 Groundsure.

18.13 Clay mining

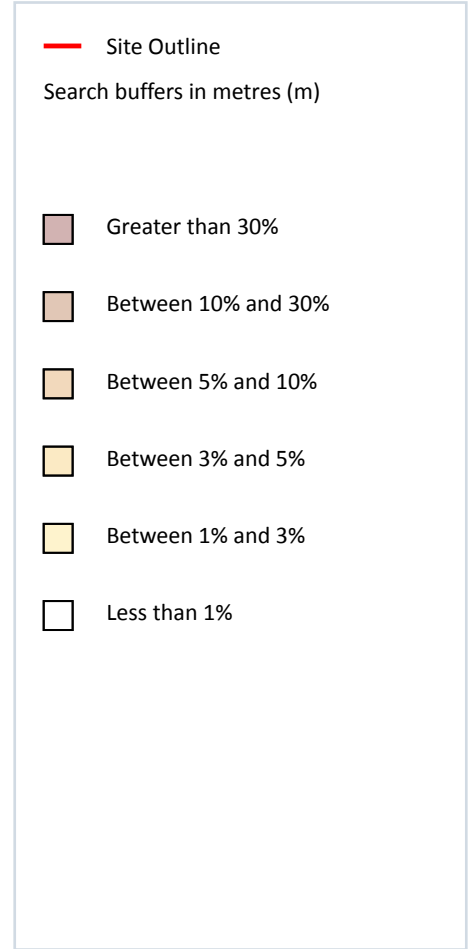
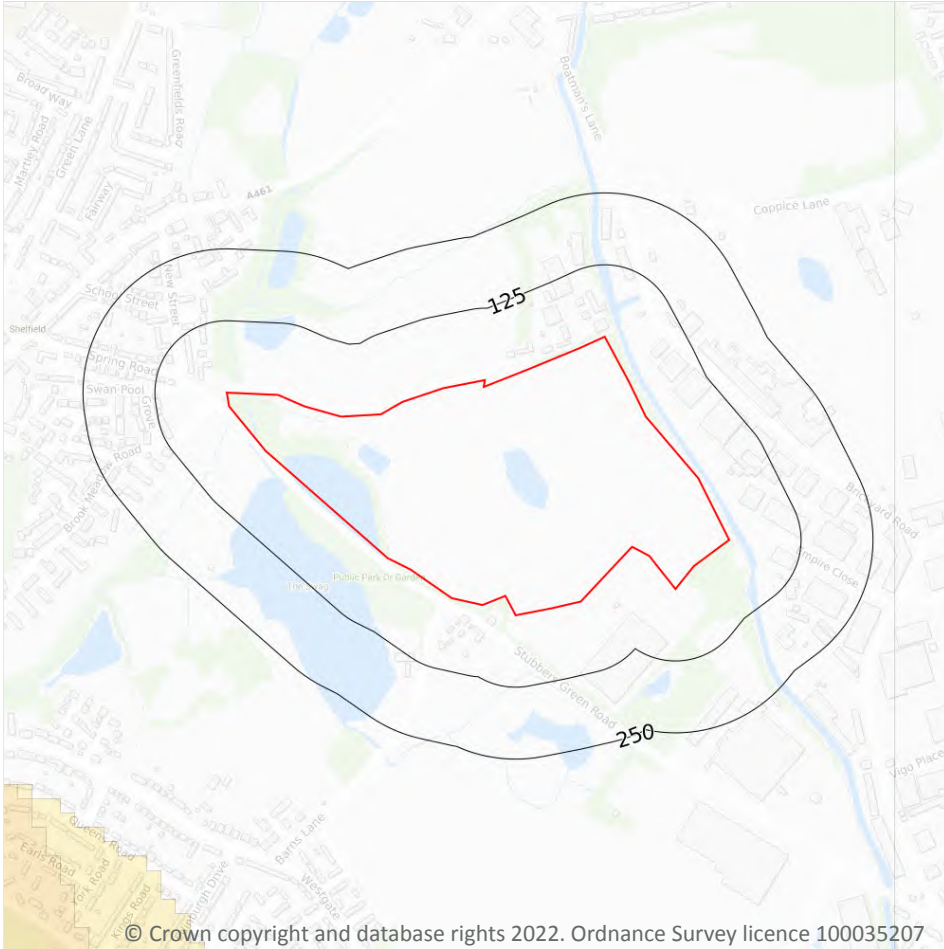
Records on site	0
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Generalised areas that may be affected by kaolin and ball clay extraction.

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



19 Radon



19.1 Radon

Records on site

1

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 230**

Location	Estimated properties affected	Radon Protection Measures required
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

21

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 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 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 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	40 - 60 mg/kg	15 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	40 - 60 mg/kg	15 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	40 - 60 mg/kg	15 mg/kg
On site	15 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 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	40 - 60 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	20 - 40 mg/kg	15 mg/kg
On site	15 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 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	40 - 60 mg/kg	15 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	20 - 40 mg/kg	15 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	40 - 60 mg/kg	15 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	40 - 60 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	20 - 40 mg/kg	15 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	40 - 60 mg/kg	15 mg/kg
12m NW	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	20 - 40 mg/kg	15 mg/kg
12m NW	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	20 - 40 mg/kg	15 mg/kg
14m NW	15 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
20m NW	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
22m NW	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
42m E	15 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

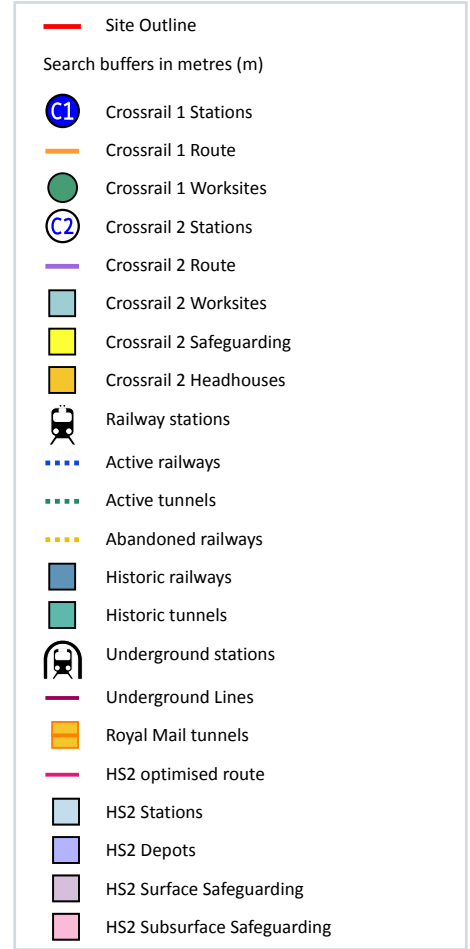
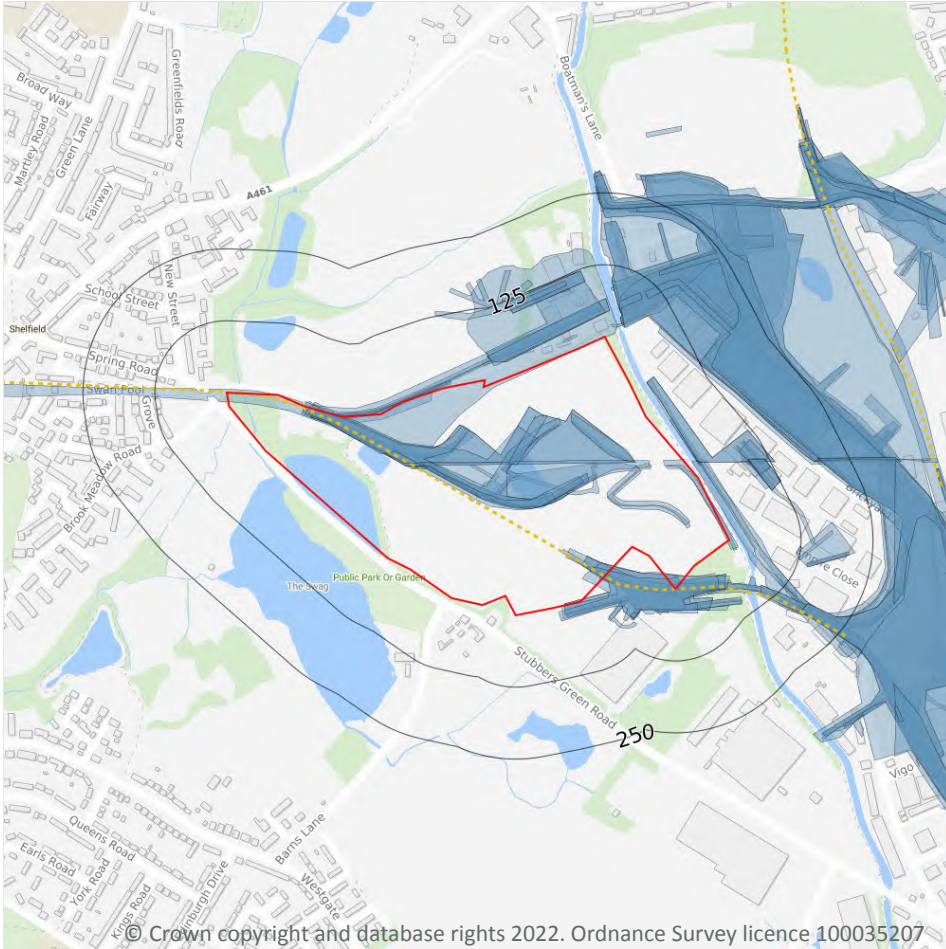
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The locations and measured total concentrations (mg/kg) of Arsenic, Cadmium, Chromium, Copper, Nickel, Lead, Tin and Zinc in urban topsoil samples from 23 urban centres across Great Britain. These are collected at a sample density of 4 per km².

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

91

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 233**

Location	Land Use	Year of mapping	Mapping scale
On site	Railway Sidings	1960	1250
On site	Railway Sidings	1960	2500
On site	Tramway Sidings	1902	2500
On site	Tramway Sidings	1938	2500
On site	Disused Mineral Railway Sidings	1960	2500
On site	Disused Mineral Railway Sidings	1960	1250
On site	Railway	1883	-
On site	Railway	1938	-
On site	Mineral Railway	1938	-
On site	Mineral Railway Sidings	1902	2500
On site	Mineral Railway Sidings	1919	2500
On site	Mineral Railway Sidings	1960	2500
On site	Mineral Railway Sidings	1960	1250
On site	Railway Sidings	1902	2500
On site	Railway Sidings	1914	2500
On site	Railway Sidings	1938	2500
On site	Railway Sidings	1919	2500



Location	Land Use	Year of mapping	Mapping scale
On site	Mineral Railway Sidings	1921	10560
On site	Railway Sidings	1938	10560
On site	Railway Sidings	1915	10560
On site	Railway Sidings	1901	10560
On site	Railway Sidings	1913	10560
On site	Railway Sidings	1955	10560
On site	Tramway Sidings	1901	10560
On site	Railway Sidings	1921	10560
6m NE	Railway Sidings	1921	10560
15m NE	Railway Sidings	1938	2500
16m NE	Railway Sidings	1902	2500
17m NE	Tramway Sidings	1901	10560
19m NE	Railway Sidings	1938	10560
19m NE	Railway Sidings	1915	10560
20m NW	Railway Sidings	1884	2500
22m NE	Railway Sidings	1888	10560
24m N	Mineral Railway Sidings	1919	2500
26m N	Mineral Railway Sidings	1938	10560
26m N	Mineral Railway Sidings	1915	10560
27m N	Railway Sidings	1901	10560
37m NE	Railway Sidings	1938	10560
37m NE	Railway Sidings	1915	10560
37m NE	Railway Sidings	1901	10560
37m NE	Railway Sidings	1883	10560
38m NE	Mineral Railway Sidings	1921	10560
47m NE	Railway Sidings	1884	2500
50m NE	Tramway Sidings	1919	2500
70m NE	Railway Sidings	1902	2500



Location	Land Use	Year of mapping	Mapping scale
79m NE	Railway Sidings	1921	10560
83m NE	Railway Sidings	1902	2500
84m NE	Railway Sidings	1901	10560
84m NE	Railway Sidings	1938	2500
86m NE	Railway	1884	-
86m NE	Tramway Sidings	1919	2500
90m NE	Railway Sidings	1938	2500
91m NE	Railway Sidings	1914	2500
92m NE	Railway Sidings	1938	10560
92m NE	Railway Sidings	1913	10560
92m NE	Railway Sidings	1901	10560
92m NE	Railway Sidings	1902	2500
95m NE	Railway Sidings	1902	2500
97m SE	Railway Sidings	1883	10560
97m NW	Railway Sidings	1960	2500
98m NW	Railway Sidings	1960	1250
98m NE	Tramway Sidings	1919	2500
100m NE	Railway Sidings	1955	10560
100m NW	Railway Sidings	1938	10560
100m NW	Railway Sidings	1915	10560
102m NW	Railway Sidings	1919	2500
103m NW	Railway Sidings	1902	2500
105m NE	Railway Sidings	1914	2500
106m NE	Railway Sidings	1902	2500
107m NW	Railway Sidings	1955	10560
112m SE	Railway Sidings	1886	2500
118m E	Railway Sidings	1901	10560
124m E	Railway Sidings	1902	2500



Location	Land Use	Year of mapping	Mapping scale
141m E	Railway Sidings	1914	2500
142m E	Railway Sidings	1902	2500
148m NE	Railway Sidings	1902	2500
163m NE	Railway Sidings	1960	1250
164m NE	Railway Sidings	1960	2500
176m SE	Railway Sidings	1938	10560
176m SE	Railway Sidings	1913	10560
196m NE	Tramway Sidings	1921	10560
203m NE	Railway Sidings	1938	2500
205m NE	Railway Sidings	1938	2500
206m NE	Railway Sidings	1914	2500
207m NE	Railway Sidings	1960	1250
213m NE	Railway Sidings	1902	2500
219m N	Railway Sidings	1888	10560
222m N	Tramway Sidings	1902	2500
222m N	Tramway Sidings	1901	10560
226m NE	Railway Sidings	1960	1250
236m N	Railway Sidings	1960	1250

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

1

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

Features are displayed on the Railway infrastructure and projects map on **page 233**

Location	Description
On site	Abandoned

This data is sourced from OpenStreetMap.

21.7 Railways

Records within 250m

0

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

This data is sourced from Ordnance Survey and OpenStreetMap.

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

0

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

This data is sourced from HS2 Ltd.



Data providers

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

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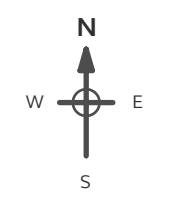
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Map Name: County Series

Map date: 1883-1885

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1883
 Revised 1883
 Edition N/A
 Copyright N/A
 Levelled N/A

Surveyed 1883
 Revised N/A
 Edition N/A
 Copyright N/A
 Levelled N/A

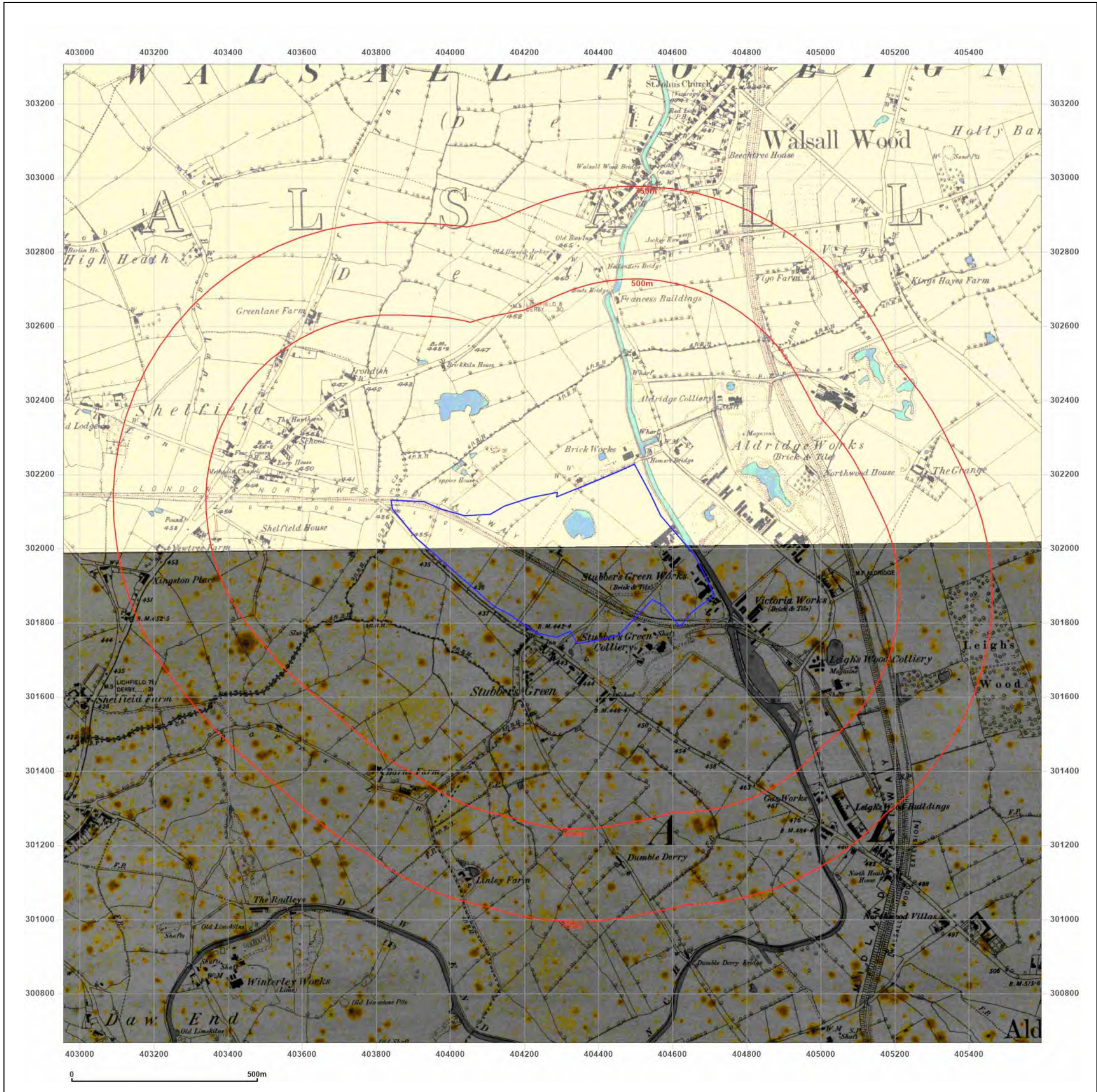


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Site Details:

404353 301972

Client Ref: 5430_Sandown_Quarry_-_PO141044
Report Ref: GS-8507931
Grid Ref: 404275, 301986

Map Name: County Series

Map date: 1883-1888

Scale: 1:10,560

Printed at: 1:10,560



Surveyed N/A
 Revised N/A
 Edition N/A
 Copyright N/A
 Levelled N/A

Surveyed 1883
 Revised 1883
 Edition N/A
 Copyright N/A
 Levelled N/A

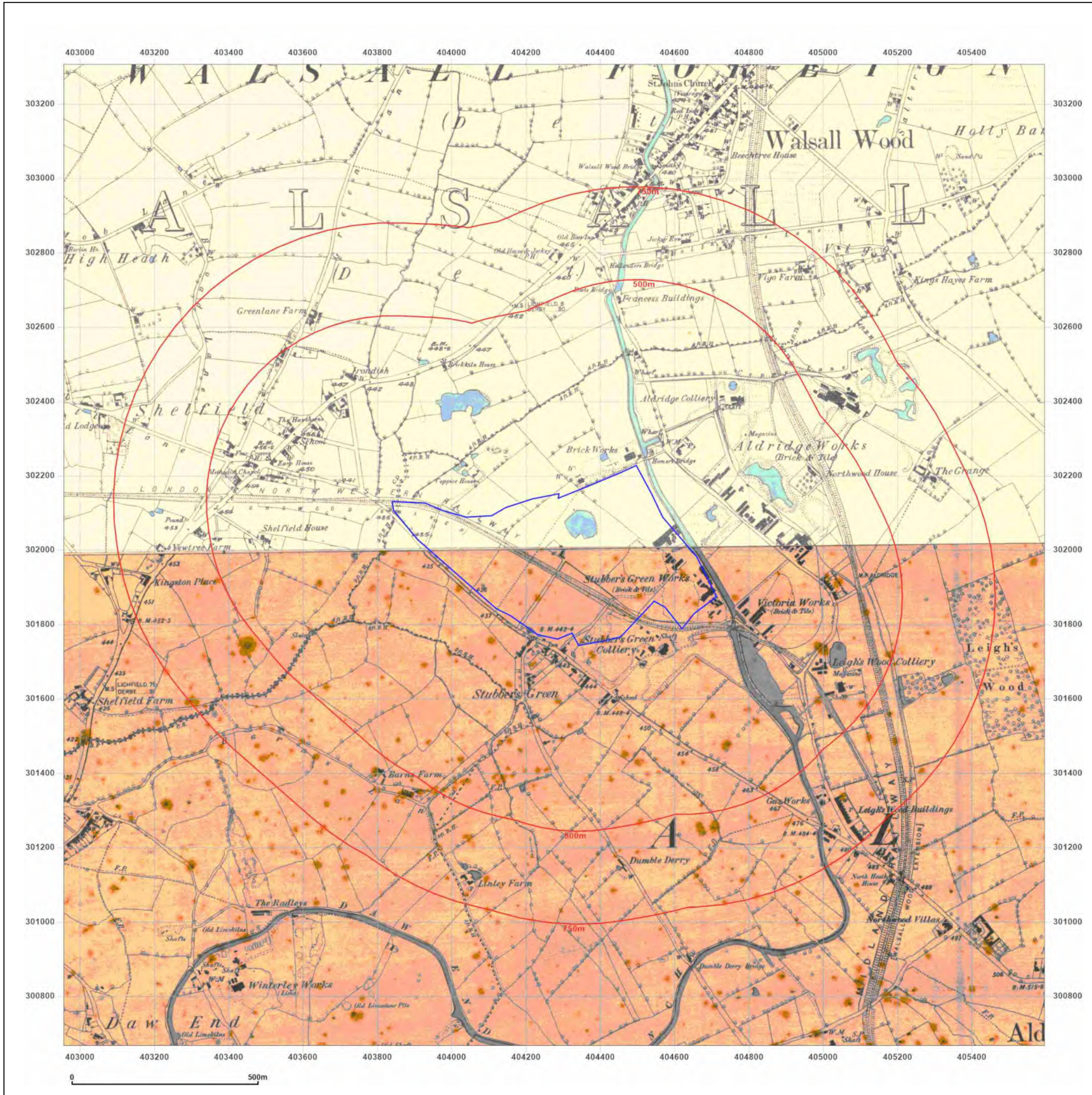


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Client Ref: 5430_Sandown_Quarry_-_PO141044
Report Ref: GS-8507931
Grid Ref: 404275, 301986

Map Name: County Series

Map date: 1901

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1882
 Revised 1901
 Edition N/A
 Copyright N/A
 Levelled N/A

Surveyed 1883
 Revised 1901
 Edition N/A
 Copyright N/A
 Levelled N/A

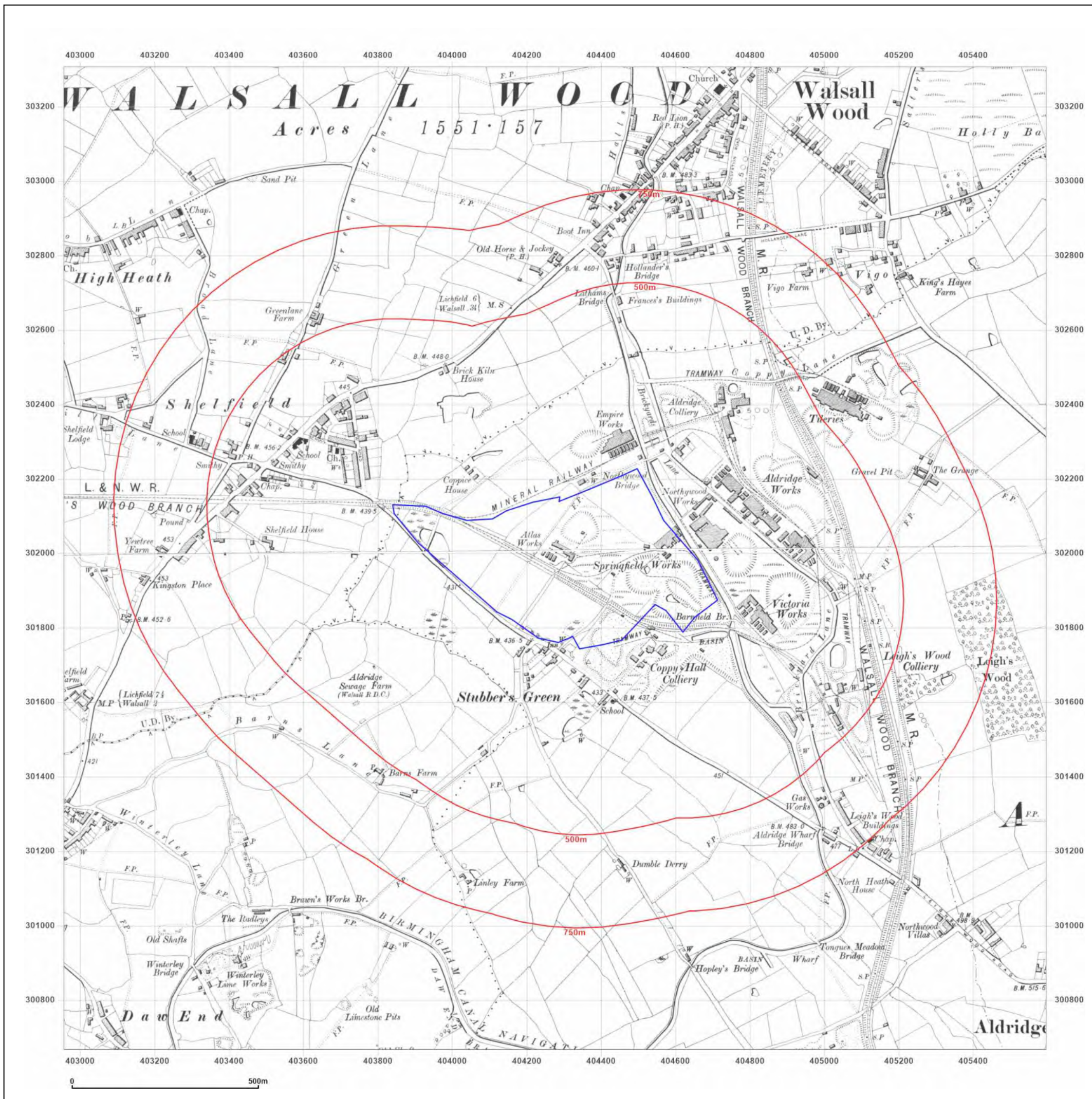


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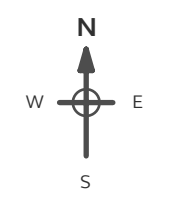
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Grid Ref: 404275, 301986

Map Name: County Series

Map date: 1915-1920

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1882
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 Edition N/A
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 Levelled N/A

Surveyed 1885
 Revised 1913
 Edition 1920
 Copyright N/A
 Levelled 1913

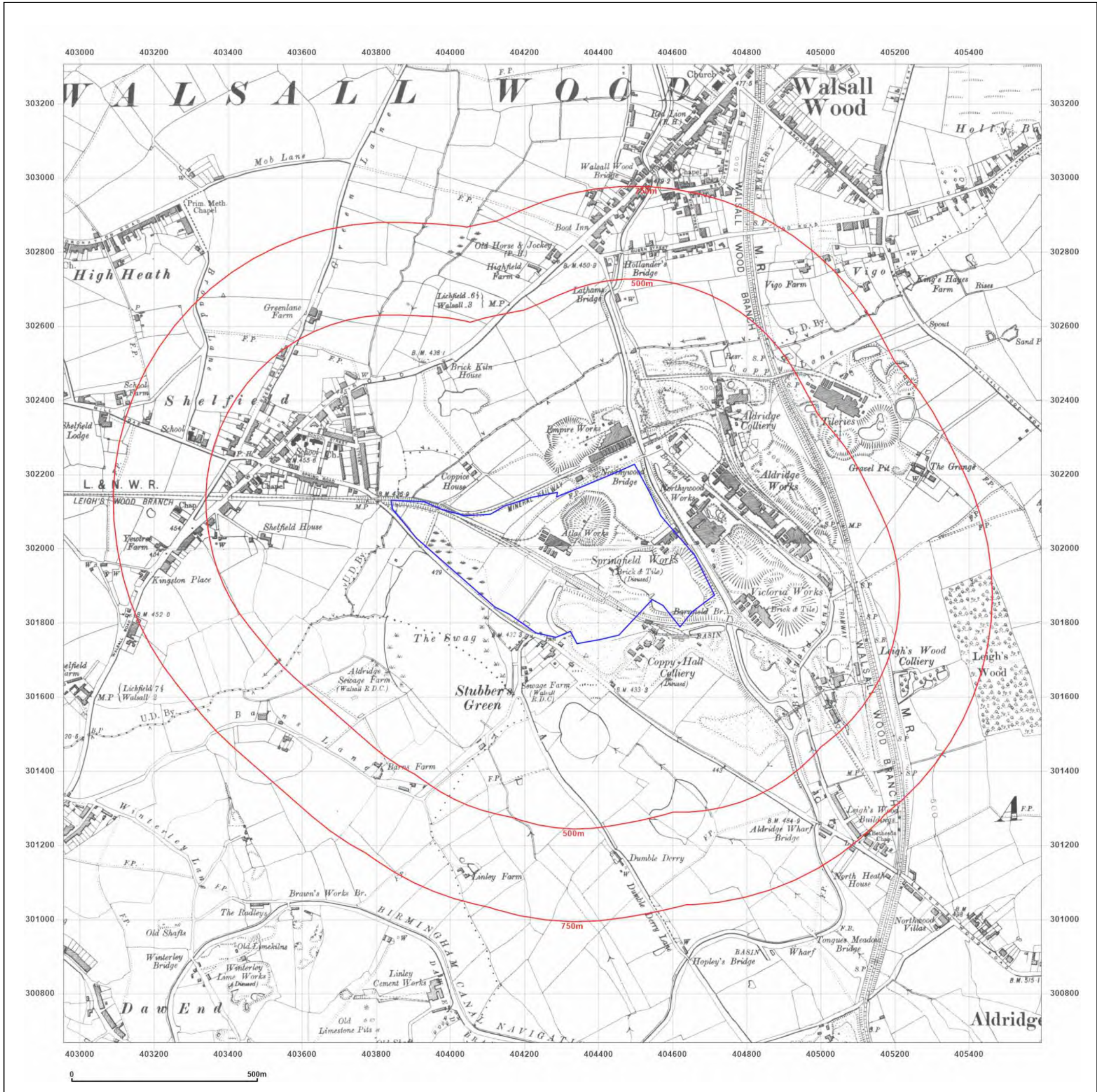


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Site Details:

404353 301972

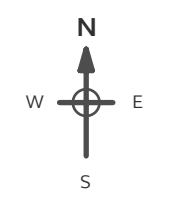
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Report Ref: GS-8507931
Grid Ref: 404275, 301986

Map Name: County Series

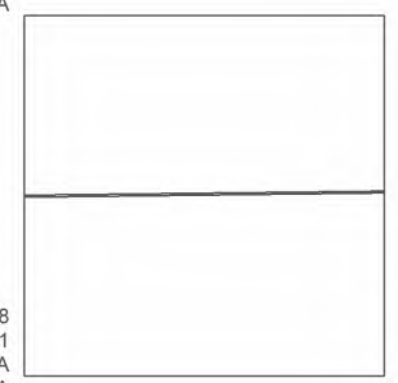
Map date: 1921

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1882
 Revised 1921
 Edition N/A
 Copyright N/A
 Levelled N/A



Surveyed 1888
 Revised 1921
 Edition N/A
 Copyright N/A
 Levelled N/A

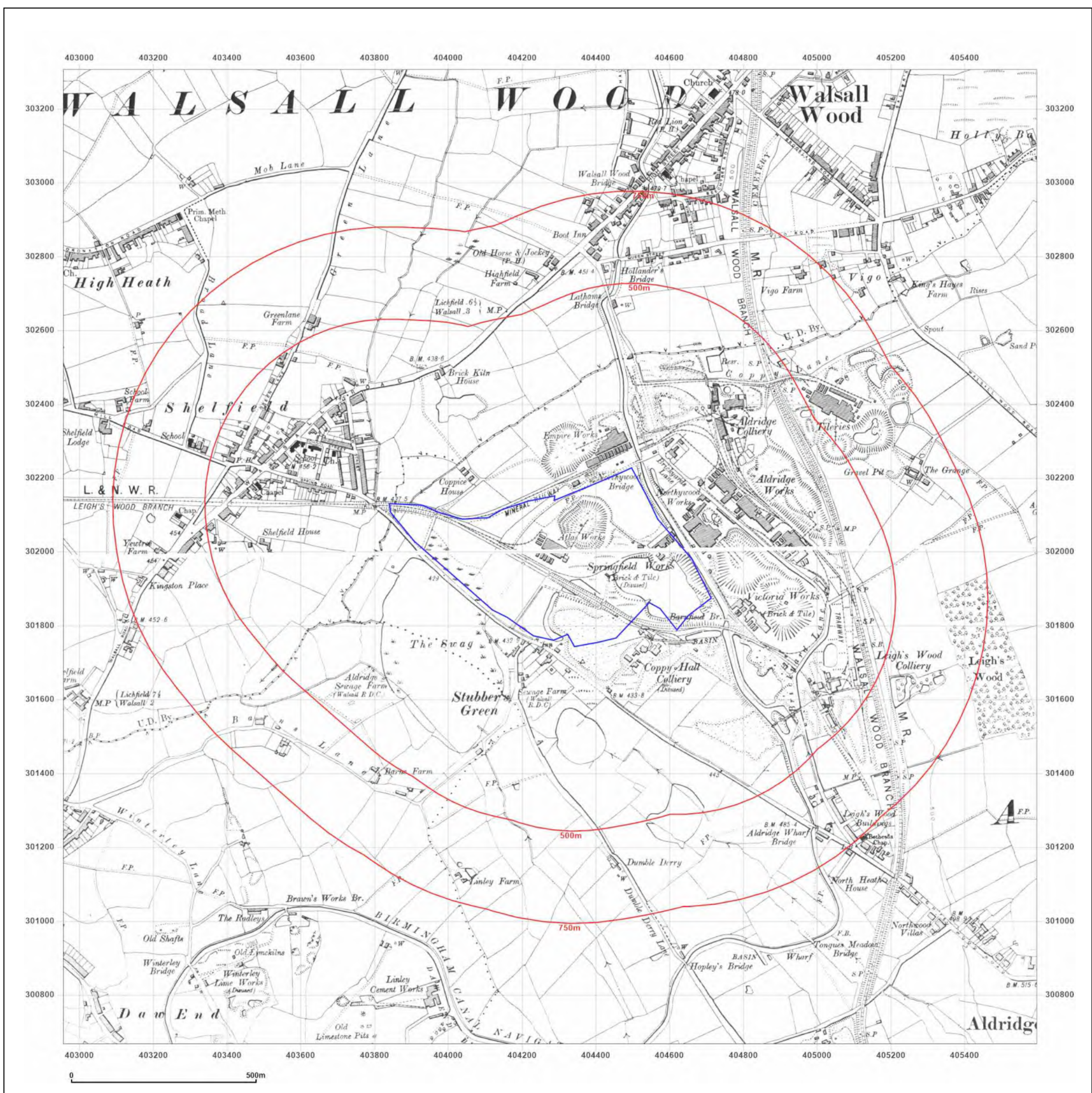


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Site Details:

404353 301972

Client Ref: 5430_Sandown_Quarry_-_PO141044
Report Ref: GS-8507931
Grid Ref: 404275, 301986

Map Name: County Series

Map date: 1938

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1882
 Revised 1938
 Edition N/A
 Copyright N/A
 Levelled N/A

Surveyed 1885
 Revised 1938
 Edition N/A
 Copyright N/A
 Levelled N/A

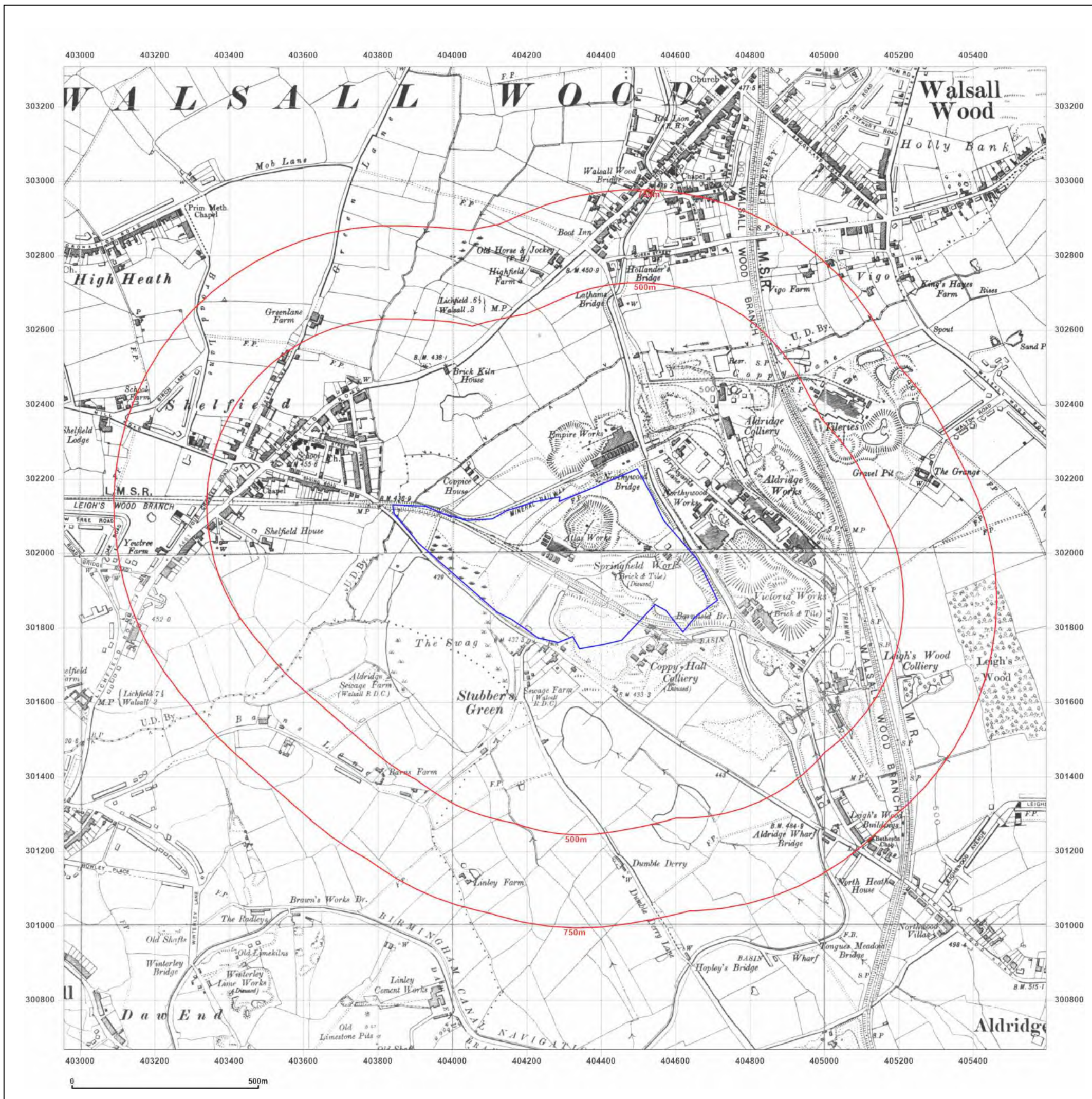


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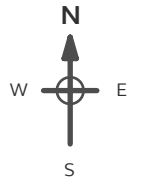
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Site Details:
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Client Ref: 5430_Sandown_Quarry_-_PO141044
Report Ref: GS-8507931
Grid Ref: 404275, 301986

Map Name: Provisional
Map date: 1954-1956
Scale: 1:10,560
Printed at: 1:10,560



<p>Surveyed N/A Revised 1955 Edition 1956 Copyright N/A Levelled N/A</p>	<p>Surveyed N/A Revised 1954 Edition N/A Copyright N/A Levelled N/A</p>
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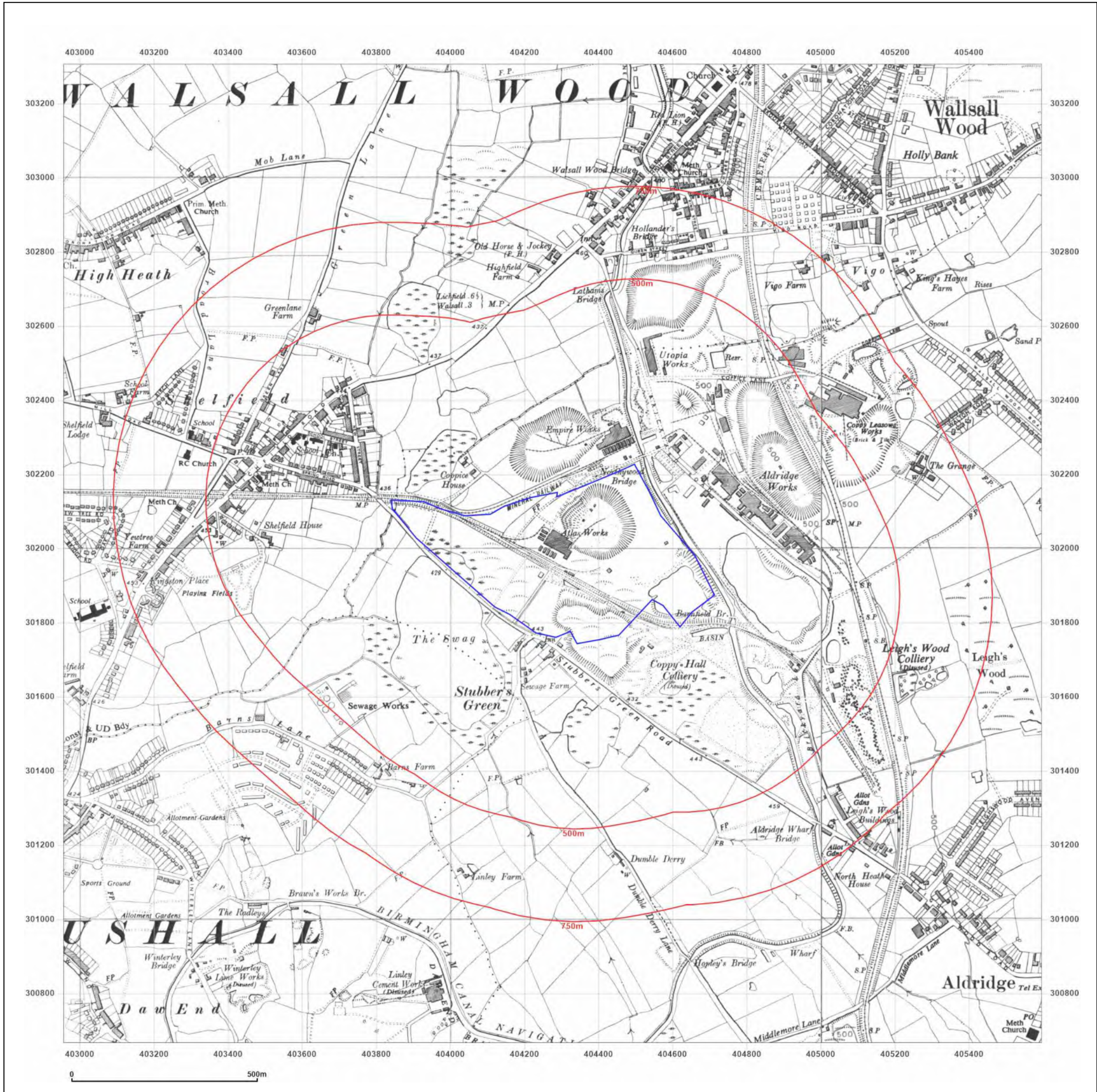


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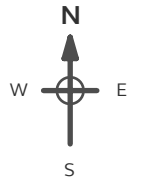
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Site Details:
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Client Ref: 5430_Sandown_Quarry_-_PO141044
Report Ref: GS-8507931
Grid Ref: 404275, 301986

Map Name: National Grid
Map date: 1972-1973
Scale: 1:10,000
Printed at: 1:10,000



Surveyed 1972 Revised 1973 Edition N/A Copyright 1973 Levelled 1965	Surveyed 1969 Revised 1972 Edition N/A Copyright 1972 Levelled 1965
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Site Details:
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Client Ref: 5430_Sandown_Quarry_-_PO141044
Report Ref: GS-8507931
Grid Ref: 404275, 301986

Map Name: National Grid
Map date: 1980-1982
Scale: 1:10,000
Printed at: 1:10,000



<p>Surveyed 1976 Revised 1980 Edition N/A Copyright N/A Levelled N/A</p>		<p>Surveyed 1976 Revised 1982 Edition N/A Copyright N/A Levelled N/A</p>
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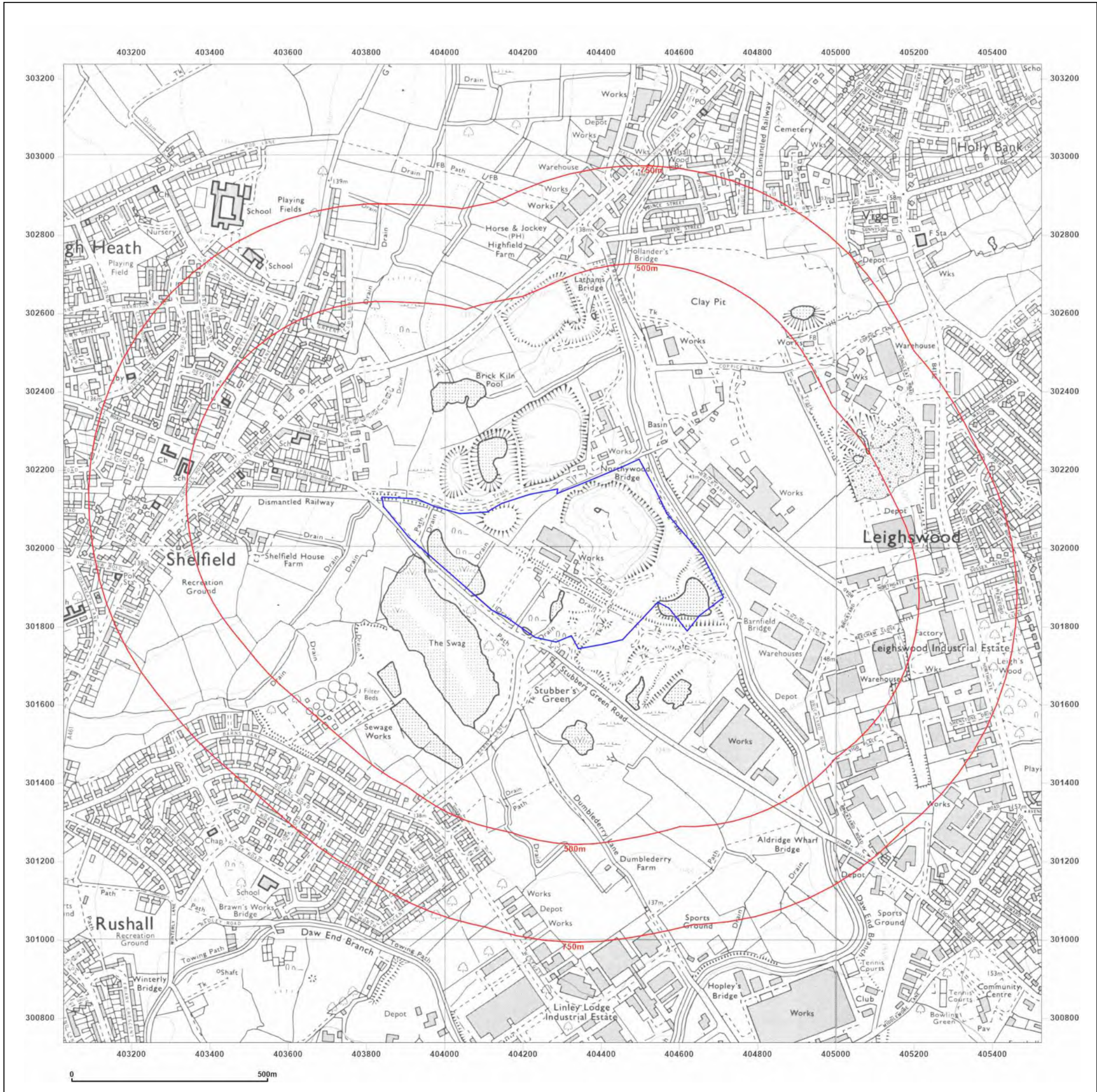


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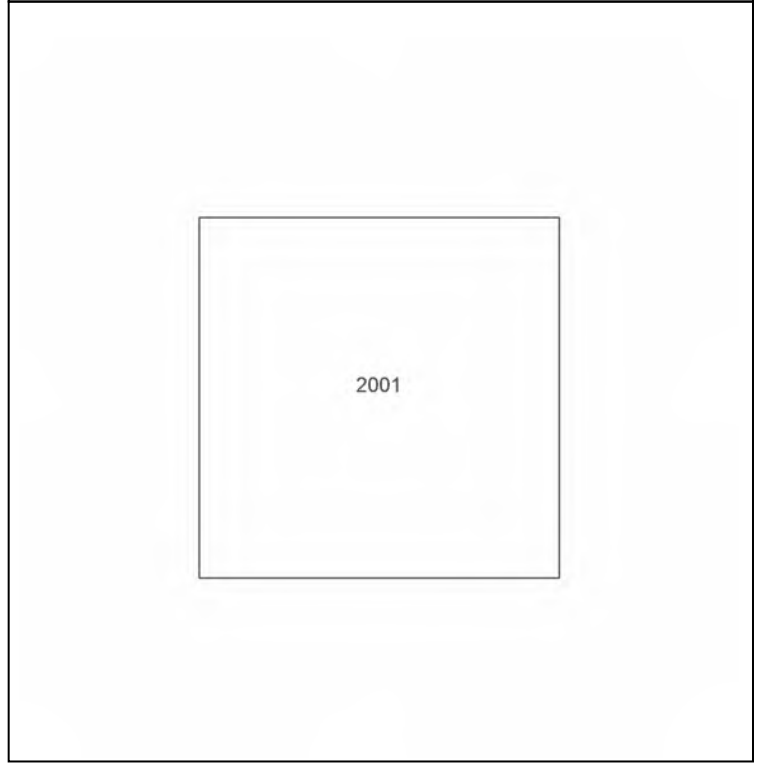
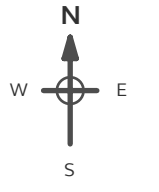
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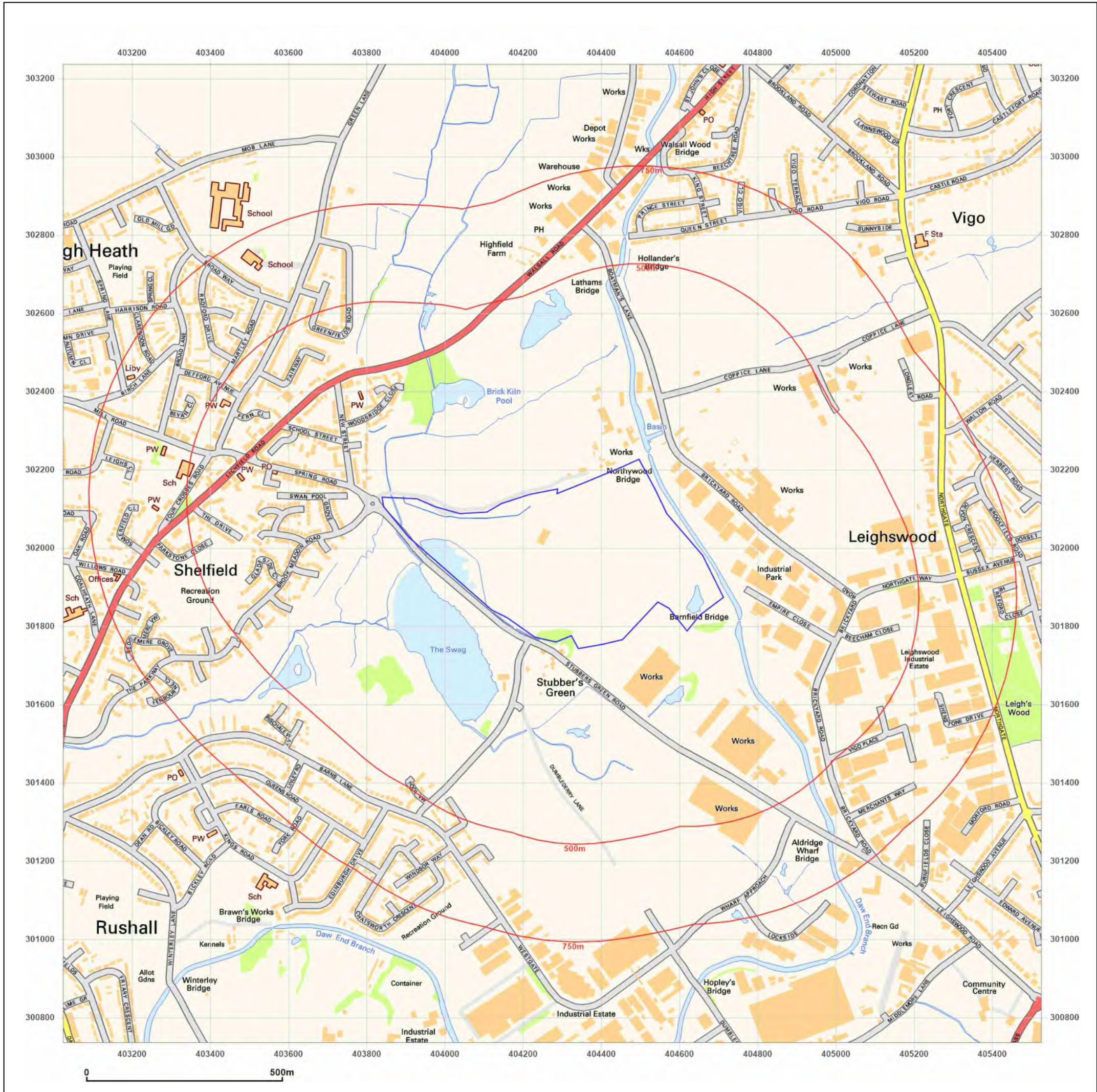



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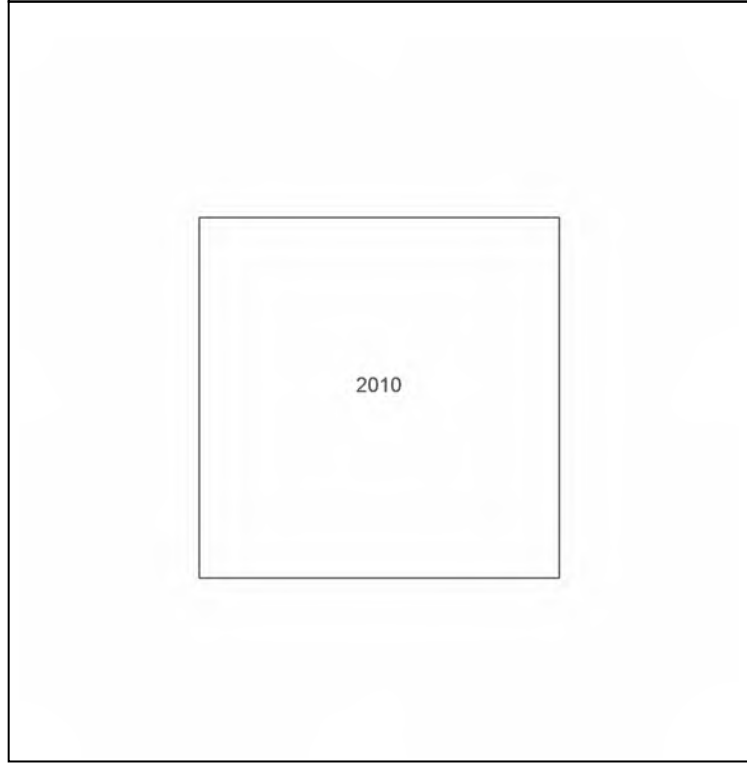
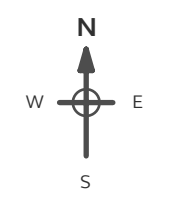
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Report Ref: GS-8507931
Grid Ref: 404275, 301986

Map Name: National Grid

Map date: 2010

Scale: 1:10,000

Printed at: 1:10,000



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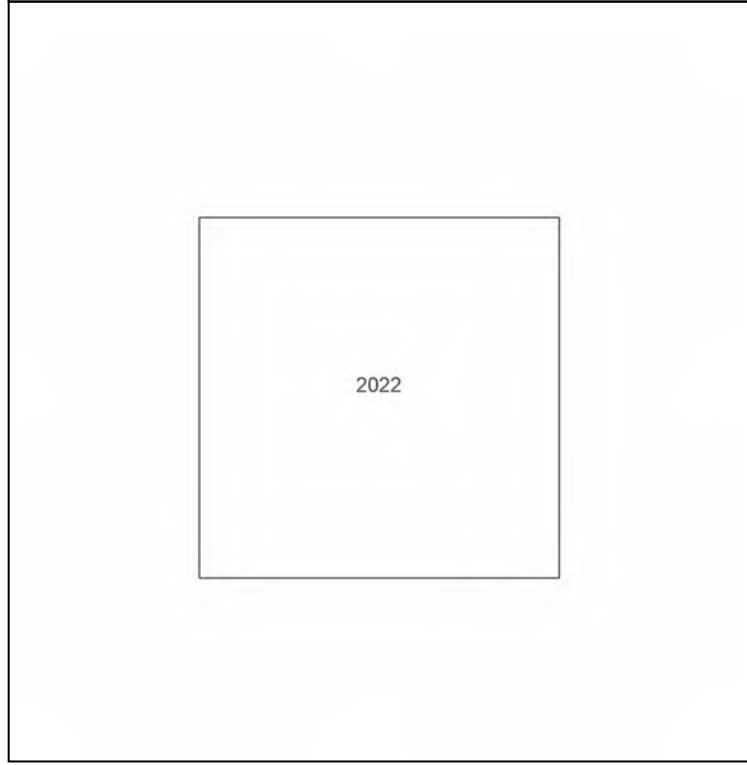
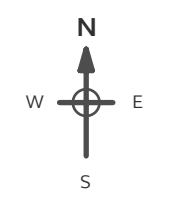
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Grid Ref: 404275, 301986

Map Name: National Grid

Map date: 2022

Scale: 1:10,000

Printed at: 1:10,000

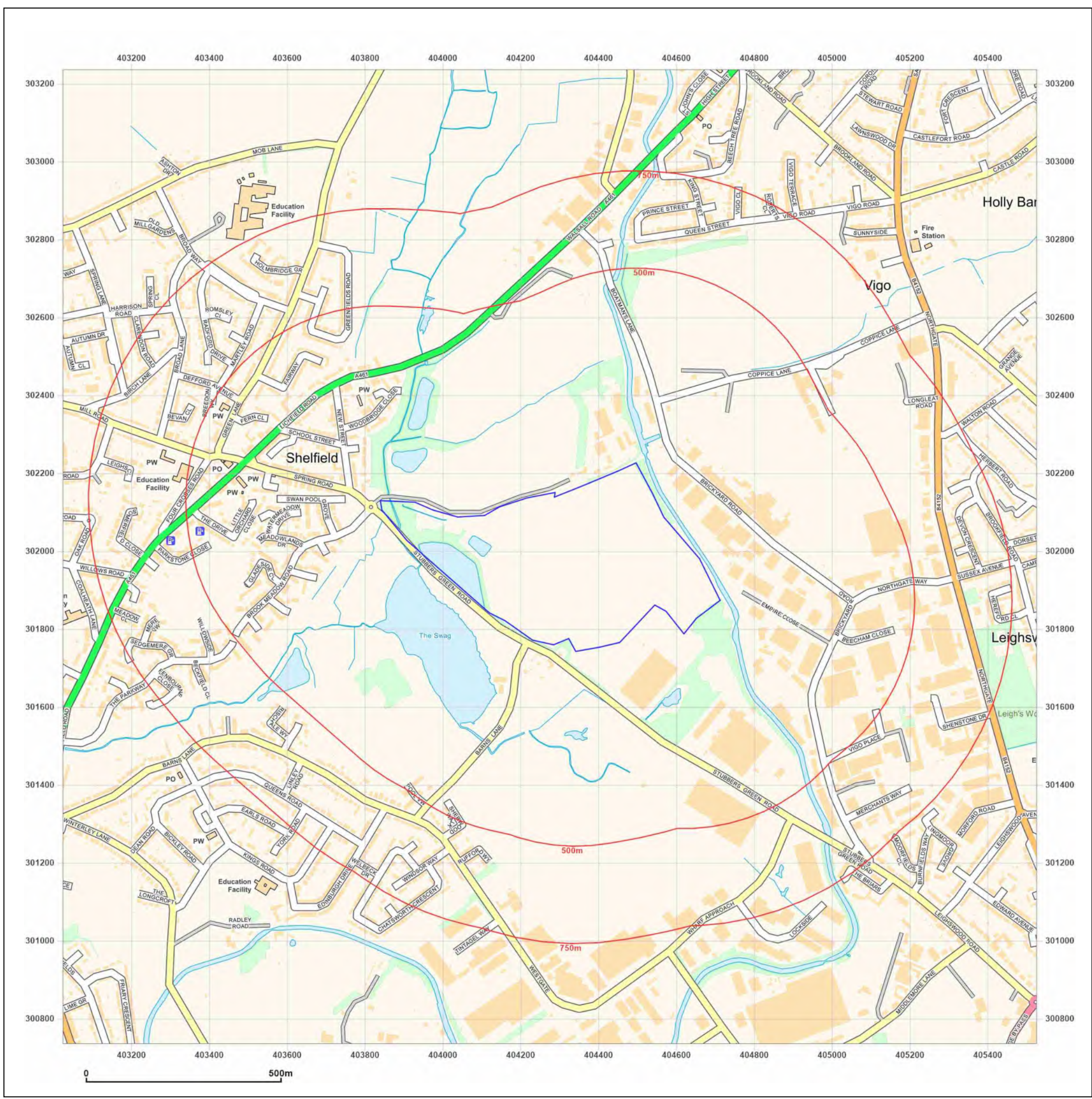


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