Client: CELLSAFEUK Limited
Address: Units 1, 2 & 3 Round Croft, Field Street, Willenhall, West Midlands, WV13 2PN

CELLSAFEUK Limited, Round Croft Works, Field Street, Willenhall, West Midlands, WV13 2PN

Application for Bespoke Environmental Permit

Site Condition Report

05 February 2026

Our Reference: CELLSAFEUK Ltd-Site Condition Report-RP01-Final, Rev B

Waste And Industry Compliance Ltd

ENVIRONMENTAL CONSULTANCY SERVICES

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CELLSAFEUK Ltd-Site Condition Report-RP01-Final, Rev B

Version & Status	Date Produced	Prepared, Checked and Authorised by:
Draft v1	24/07/2025	Waste and Industry Compliance Ltd.
Final	12/09/2025	Waste and Industry Compliance Ltd.
Final, Rev A	22/10/2025	Waste and Industry Compliance Ltd.
Final, Rev B	05/02/2026	Waste and Industry Compliance Ltd.

This report has been prepared by Waste and Industry Compliance Limited with all reasonable skill, care and diligence in accordance with the instruction of the above named client and within the terms and conditions of the Contract with the Client.

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APPENDICES

1 SITE DETAILS

1.1.1 This Site Condition Report (SCR) has been prepared on behalf of CELLSAFEUK Limited ***(the Operator)*** for Round Croft Works, Field Street, Willenhall, West Midlands, WV13 2PN ***(the Site)***.

1.1.2 This SCR has been prepared in accordance with 'Guidance for applicants: H5 Site Condition Report – Guidance and Templates' (Environment Agency, Version 3, April 2013).

1.1.3 The Operator seeks a bespoke Environmental Permit for the Site to authorise the receipt, storage, shredding, separation and recycling of up to 3,120 tonnes per annum of non-hazardous alkaline batteries. The Site will receive a maximum of 10 tonnes per day of non-hazardous batteries.

1.1.4 Although the Site will only accept batteries classed as non-hazardous, the Environment Agency stated during enhanced pre-application consultations on 19 December 2025:

"When non-hazardous batteries are treated – and in this case shredded – it changes the nature of the waste and creates hazardous waste. The content of batteries 'black mass' is hazardous due to the metals and chemistry of the materials, so where batteries are not hazardous pre-shredding we do need to consider any subsequent treatment of the shredded battery material."

1.1.5 The Site incorporates a series of fully enclosed and roofed steel portal framed and metal clad buildings fitted with roller shutter vehicular access doors and pedestrian access door. The floor of all the buildings comprises impermeable concrete slab. There are no drainage outlets inside the buildings, i.e. they are fully sealed.

1.1.6 All wastes will be stored and processed inside the buildings.

1.1.7 Alkaline batteries will be subject to pre-acceptance and acceptance procedures, including visual inspection, with acceptable and permitted loads off loaded and stored in a series of fireproof concrete bays located inside the Goods Inwards building. Following unloading and storage in the Goods Inward building, batteries will be processed as follows:

- Transferred by forklift truck from the 'Goods Inward' building to the Picking Station building, where materials will be unloaded into a reception hopper, which feeds a conveyor and picking station. All batteries will pass along the conveyor. Site operatives will be positioned either side of the conveyor and will visually inspect each battery. Any contraries or inadvertently received non-permitted batteries will be manually removed and stored in a quarantine skip for removal from site to an authorised facility.

- Acceptable batteries will be discharged from the end of the conveyor and stored in palletised containers, which will be transferred by forklift truck to the Processing building.

- Inside the Processing building, batteries will be fed into a feed hopper and onto a

shaker bed, where any dirt or other fine material will be 'shaken off' and captured in a sealed container located below. Clean batteries will then transfer up an inclined conveyor to a shredding plant, where they will be shredded and screened, with 'black mass' material captured in sealed 60 litre containers. Remaining material will transfer via conveyor to a drum magnet for ferrous metal separation into a sealed 0.6m^3 container, before passing to an eddy current separator for capture of brass pins and any other non-ferrous metal. Remaining residual materials such as paper, plastic etc will be stored in a sealed container.

- No more than 10 tonnes per day of batteries will be processed at the Site.

1.1.8 An external yard in front of the building and within the Site boundary comprises a combination of concrete and tarmac surfacing. A weighbridge and weighbridge office will be installed at the Site, to the immediate west of the buildings.

1.1.9 A dedicated concrete bay will be installed in the Goods Out building. It will be used for the quarantining of wastes etc in the event of a fire incident.

1.1.10 As all wastes will be stored and processed inside the buildings, surface water run-off from the building roofs and the external yard will not come into contact with wastes. Only clean run-off water is drained to public sewer. The site's toilets and welfare facilities drain to the foul sewer in Round Croft, see Drawing 'Site Drainage', DW02.

1.1.11 The proposed Environmental Permit boundary is shown on Drawing 'Indicative Site Layout and Storage', DW01.

Table 1: Site Details

Site Details	
Name of the Applicant	CELLSAFEUK Limited.
Activity Address	Round Croft Works, Field Street, Willenhall, West Midlands, WV13 2NP
National Grid Reference	SO 96034 98585
Document Reference and Dates for Site Condition Report at Permit Application	CELLSAFEUK Ltd-Site Condition Report-RP01-Final.
Document References for Site Plans (including location and boundaries)	Drawing 'Indicative Site Layout and Storage', DW01. Drawing 'Site Drainage', DW02

2 CONDITION OF LAND AT PERMIT ISSUE

2.1 ENVIRONMENTAL SETTING

2.1.1 The Site is located on Round Croft, off Field Street, Willenhall, Walsall. It is located in a mixed industrial and residential area.

2.1.2 The Site is accessed via the public highway on Round Croft, to the immediate north of the facility, beyond which is the Keys Doctors Surgery, the Salvation Army Church and residential properties. Field Street is located to the immediate east, beyond which are industrial units. Commercial and industrial land is located to the immediate south,

including Gilberts Bar and Function Room. Residential properties are to the north, off Round Croft and Pinson Road.

2.1.3 The nearest residential properties are circa 16m northwest on Round Croft, 23m southeast on Field Street, 30m west on St Stephen's Avenue, 60m north on Pinson Road and 70m east on Gomer Street.

2.1.4 There are no European Sites, i.e. Special Protection Areas (SPA), Special Conservation Areas (SAC) or Ramsar Sites within 2k of the Site.

2.1.5 There are no Sites of Special Scientific Interest (SSSI), National Nature Reserves (NNR), Biosphere Reserves, Marine Conservation Zones, Ancient Woodlands or Scheduled Monuments within a 2km radius of the site boundary.

2.1.6 Waddens Brook, Noose Lane, (Fibbersley) Local Nature Reserve (LNR) is circa 667m northwest of the Site. The Natural England designation https://designatedsites.naturalengland.org.uk/SiteLNRDetail.aspx?SiteCode=L1009312 describes the LNR as *"one of the best wetland sites in Walsall and has wet grassland, wildflower meadows, marshes and ponds. It is a good site for amphibians, and has over 20 species of birds and over 200 species of plants recorded."* .

2.1.7 The nearest area of Priority Habitat is circa 121m northwest of the Site, namely a large area of Woodpasture and Parkland BAP Priority Habitat and Deciduous Woodland.

2.1.8 There are areas of Priority Habitat Coastal and Floodplain Grazing Marsh circa 335m south southwest and 376m west of the Site. There are other areas of Priority Habitat northwest of the Site, including Deciduous Woodland circa 673m distant, Coastal and Floodplain Grazing Marsh circa 752m distant and Good quality semi-improved grassland circa 836m distant.

2.1.9 All of Walsall metropolitan borough area has been designed as an Air Quality Management Area (AQMA) for nitrogen dioxide (NO_2).

2.1.10 The Site is not located in a groundwater Source Protection Zone.

2.2 GEOLOGY

2.2.1 British Geological Survey mapping (https://www.bgs.ac.uk/map-viewers/bgs-geology-viewer/) shows that bedrock geology at the Site comprises Pennine Lower Coal Measures Formation - Sandstone. This is a sedimentary bedrock formed between 319 and 318 million years ago during the Carboniferous period.

2.2.2 Superficial geology at the Site comprises Glacial Till, Devensian - Diamicton. This is a Sedimentary superficial deposit formed between 116 and 11.8 thousand years ago during the Quaternary period.

2.3 HYDROGEOLOGY

2.3.1 A Groundsure Report for the Site, dated 24 July 2025, shows that the bedrock aquifer at

the Site is classed as a Secondary A Aquifer, i.e. 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.

2.3.2 The superficial deposits on site are classed as Secondary Undifferentiaited, i.e. 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.

2.3.3 The Site is not located within 500m of a groundwater Source Protection Zone.

2.4 SURFACE WATERS

2.4.1 There nearest surface water course is an unnamed drain located circa 275m southwest of the Site. The Walsall Canal is circa 1,406m southeast of the Site at the closest point, whilst the River Tame is circa 1,520m east of the facility.

2.5 GROUNDWATER ABSTRACTIONS

2.5.1 The Groundsure Report shows that there is one active groundwater abstractions within a 2 Km radius of the Site, see Table 2.

Table 2: Active Groundwater Abstraction Licences

Licence Number	Annual Volume (m^3)	Use	Direction (m)
03/28/08/0212	7665m^3	Process Water	350m W

2.5.2 The Site does not abstract groundwater. All the Site surface comprises engineered pavement and there is no requirement or risk of discharging from the facility into groundwater.

2.6 SURFACE WATER ABSTRACTIONS

2.6.1 There are no licensed surface water abstractions within 2 Km of the Site.

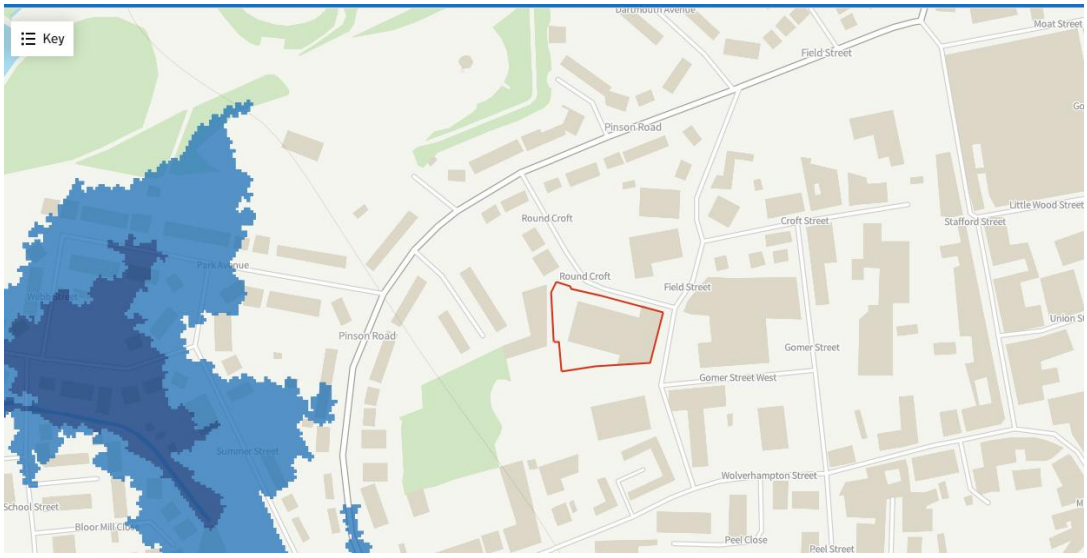
2.7 POTABLE WATER ABSTRACTIONS

2.7.1 There are no licensed potable water abstractions within 2 Km of the Site.

2.8 FLOOD RISK SUMMARY

2.8.1 The Flood Map for Planning (https://flood-map-for-planning.service.gov.uk) shows that the Site is located in a Flood Zone 1. The Site boundary is outlined in red in Figure 1 below.

Figure 1: River and Coastal Flooding



2.8.2 Flood Zone 1 and has a low probability of flooding, i.e. less than 1 in 1,000 annual probability of river or sea flooding.

2.8.3 The Groundsure Report states that there are no records of historic flooding from rivers, the sea, groundwater and surface water at the Site or within 250m distance. Flood records began in 1946.

2.8.4 The risk of groundwater flooding at the Site is low.

2.9 NITRATE VULNERABLE ZONES

2.9.1 The Site is located within the River Trent (source to confluence with River Derwent) Nitrate Vulnerable Zone (NVZ). NVZs are 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.

2.10 NITRATE SENSITIVE AREAS

2.10.1 The Site is not located within 2km of a Nitrate Sensitive Area.

2.10.2 Nitrate Sensitive Areas are places 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.

3 POLLUTION HISTORY

3.1 POLLUTION INCIDENTS

3.1.1 The Groundsure Report lists 11 No historic pollution incidents within a 500m radius of the Site, see Table 3 below. The nearest pollution incident was 143m northeast of the Site.

Table 3: Pollution Incidents Within a 500m Radius

Date	Pollutant	Pollutant Description	Impact	Location
11/11/2001	Oils and Fuel	Lubricating Oils	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)	143m NE
24/08/2002	Oils and Fuel	Hydraulic Oils	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)	172m N
23/05/2002	Contaminated Water	Firefighting Run-Off	Water Impact: Category 3 (Minor) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)	287m SW
09/01/2003	Organic Chemicals/Products	Surfactants and Detergents	Water Impact: Category 2 (Significant) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)	366m SW
22/08/2001	Oils and Fuel	Unidentified Oil	Water Impact: Category 2 (Significant) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)	367m SW
12/07/2003	Oils and Fuel	Diesel	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)	379m SW
26/06/2003	Atmospheric Pollutants and Effects	Fumes	Water Impact: Category 3 (No Impact) Land Impact: Category 3 (No Impact) Air Impact: Category 3 (Minor)	400m N
20/09/2003	Atmospheric Pollutants and Effects	Fumes / Noise	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)	432m N
05/04/2002	Atmospheric Pollutants and Effects	Smoke	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)	433m N
10/12/2002	Oils and Fuel	Hydraulic Oils	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)	436m N
08/03/2003	Oils and Fuel	Other Oil or Fuel	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)	438m E

3.1.8 Table 3 includes 2 No pollution incidents that were classed by the Environment Agency as Category 2 (Significant) Water Impact, namely on 22 August 2001 and 09 January 2003 when, respectively, oil and surfactants / detergents escaped from a location circa 366m / 367m from the Site.

3.1.9 All other recorded pollution incidents referenced in the Groundsure Report resulted in either Minor or No Impact.

3.1.10 The most recent recorded pollution incident occurred on 20 September 2003.

3.1.11 Due to the distance of pollution incidents from the Site (i.e. all occurrences are ≥143m) and

the time that has elapsed since the last recording, it is considered highly unlikely that any associated contamination has an impact at the facility.

3.2 HISTORICAL LAND USE

3.2.1 Historical maps of the Site, derived from historical Ordnance Survey mapping, have been reviewed as part of this SCR, see Table 4 below. In addition, the Groundsure Report provides details of historical land use at the Site and its immediate vicinity.

Table 4: Historical Land Use

Date	Scale	Land Use
1887	1:2,500	The Site is shown as open land, with Field Street to the immediate east, beyond which are residential properties. Gomer Street and associated domestic dwellings are to the east of Field Street. The grounds of St Stephen's Church and Vicarage are circa 50m south of the Site. Summerfield Iron Works is circa 120m to the southwest of the Site, whilst Albion Wire Works is circa 250m southwest.
1902	1:2,500	Industrial units have been constructed on the eastern half of the Site. Albion Wire Works is now marked as Eagle Iron Works.
1918 to 1919	1:2,500	A further industrial building is shown on the Site. Mixed residential and industrial development has occurred to the north and northeast of the Site. Summerfield Iron Works and Eagle Iron Works are no longer shown.
1938	1:2,500	The Site incorporates a large industrial building, denoted as Round Croft Works (engineering). Round Croft public highway is shown to the north and northwest. Pinson Road has also been constructed. Residential development has occurred on Round Croft, along Pinson Road to the northwest of the Site and in the wider western area of Willenhall. Midland Works Engineering is shown to the east of Field Steet.
1955 to 1956	1:2,500	No changes on site and largely unchanged in the wider area from the 1938 map.
1970 to 1975	1:2,500	No changes on site, Round Croft Works (engineering) is still shown. A Salvation Army Hall has been built circa 75m to the north of the Site and United Services Memorial Club is to the south. Industrial development is shown to the east of Field Street.
1988 to 1992	1:2,500	The large industrial building on site is still shown, although it is no longer marked as Round Croft Works (engineering). A clinic is shown to the north of the Site and immediately to the south of the Salvation Army Hall.
1976 to 1977	1:2,500	A larger industrial building has been constructed on the Site. Little change to the surrounding area.
1988 to 1992	1:2,500	No change from the 1976 to 1977 map.
2003	1:2,500	Largely unchanged from the 1988 to 1992 map.

3.2.2 Historic records show that the Site has incorporated an industrial building since at least 1902. The building was expanded to circa its present size around 1976 to 1977.

3.3 LANDFILL SITES

3.3.1 The Groundsure Report shows that there are no active landfills or historical landfills since 1973 (when a survey was undertaken on behalf of the Department of Environment) within a 500m radius of the Site .

3.3.2 Prior to 1973, Local Authority records show a 'refuse tip' in 1887, circa 377m west of the Site .

3.4 CONTAMINATED LAND

3.4.1 The Groundsure Report shows that there are no registered contaminated sites within a 500m radius of the Site that have been designated under Part 2a of the Environmental Protection Act 1990.

3.5 CONTROL OF MAJOR ACCIDENT HAZARDS (COMAH)

3.5.1 The Groundsure Report shows that there are no registered COMAH sites within a 500m radius of the Site.

3.6 GAS PIPELINES

3.6.1 The Groundsure Report shows that there are no high-pressure underground gas transmission pipelines within a 500m radius of the Site.

3.7 ELECTRICITY CABLES

3.7.1 The Groundsure Report shows that there are six high voltage underground electricity transmission cables within a 500m radius of the Site. The nearest is 85m northwest of the Site and was installed in 1968. Its operating voltage is 275kV.

3.8 SITE WALKOVER SURVEY

3.8.1 A site walkover survey was undertaken by Waste and Industry Compliance Limited on 22 July 2025. The Site comprises three separate buildings and a paved external yard. Security fencing and lockable site entrance gates are installed. All buildings are roofed and fully enclosed. They each incorporate an impermeable concrete floor, roller shutter vehicular access doors and pedestrian access doors. There are no drainage outlets in any of the buildings, i.e. they are all fully sealed and contained. The buildings and concrete floors are in good condition, with no obvious structural defects or damage.

3.8.2 A battery processing line has been installed in the Unit 1 building. It comprises a feed hopper, a shaker bed, an inclined conveyor, shredding plant, another conveyor and a drum magnet for ferrous metal separation. It is understood that an eddy current separator will be installed, subject to obtaining suitable authorisation from the Environment Agency. The battery processing line appeared to be relatively new and was in excellent condition (see Plates 1 and 2). It was not in operation and was unused.

Plate 1 – Battery Processing Line (Unused) – Looking Towards Northern End of Unit 1

Plate 2 – Battery Processing Line (Unused) – Looking Towards Southern End of Unit 1

3.8.3 Bulk bags containing alkaline batteries of AA and AAA size were being stored inside the buildings. The batteries were deposited and stored by the previous occupier, namely Fenix Battery Recycling Limited, who have since vacated the Site and gone into Liquidation.

3.8.4 Fenix Battery Recycling Limited submitted an Environmental Permit application for the Site to the Environment Agency on 18 February 2021. However, the Environment Agency refused the application on 04 April 2022 (application reference EPR/WP3201LD). The company subsequently removed all operational plant and equipment but left circa 500 tonnes of alkaline batteries in situ. The Environment Agency Crime Team (Peter.Southgate@environment-agency.gov.uk) are aware of the previous deposit by Fenix Battery Recycling Limited.

3.8.5 With Fenix Battery Recycling Limited entering Liquidation on 2 September 2024 (https://find-and-update.company-information.service.gov.uk/company/12770151/filing-history), there is no possibility that they will remove and safely dispose of the batteries they deposited.

3.8.6 The external yard comprises a combination of concrete, tarmac and hardstanding surfaces. There is no waste storage on the external yard and the condition of the engineered surfaces was good.

3.8.7 During the walkover survey, there were no visible signs of likely ground contamination, oil or diesel contamination or ground staining by hydrocarbons. There was no evidence of vegetation stress in the vicinity of the Site.

4 PERMITTED ACTIVITIES

4.1.1 It is proposed that the Site will receive up to 3,120 tonnes per annum of non-hazardous alkaline batteries for treatment and recycling. Treatment will consist of sorting, shredding, screening, magnetic separation and eddy current separation of materials. The maximum quantity of batteries processed per day will be 10 tonnes.

4.1.2 Permitted activities are shown in Table 5 below.

Table 5: Permitted Activities

Storage / Treatment Process	Annex IIA / IIB operations
Recycling/reclamation of organic substances which are not used as solvents	Annex II, R3
Recycling/reclamation of metals and metal compounds	Annex II, R4
Recycling/reclamation of other inorganic materials	Annex II, R5
Storage of waste pending any of the operations numbered R3, R4 and R5	Annex II, R13
Storage pending any of the operations numbered D 1 to D 14 (excluding temporary storage, pending collection, on the site where the waste is produced)	Annex I, D15

4.1.3 Strict waste pre-acceptance and acceptance procedures will be used to ensure that only compliant waste types are accepted at the Site, full details are included in the Environmental Management System (EMS) (ref CELLSAFEUK Ltd-EMS-RP02-Final).

4.1.4 Any loads arriving at the Site which contain non-permitted wastes or a significant amount of contrary material shall be rejected prior to unloading. In the unlikely event that a vehicle inadvertently deposits non-permitted waste or a large amount of contrary material, it will be re-loaded where possible. Where the vehicle has already left the Site, the non-permitted waste or contrary material will be stored in a quarantine skip or container at the Site, pending removal of the material to the waste producer or authorised facility.

5 CONCLUSIONS

5.1.1 The Site comprises a series of fully enclosed and roofed steel portal framed and metal clad buildings fitted with roller shutter vehicular access doors and pedestrian access doors. The floor of all the buildings comprises impermeable concrete slab. There are no drainage outlets inside the buildings, i.e. they are fully sealed and contained. Wastes will be off-loaded, stored and processed inside the building.

5.1.2 There is an external yard with a combination of engineered concrete and tarmac surfacing.

5.1.3 A site walkover survey and visual inspection was undertaken on 22 July 2025. The condition of the buildings, sealed concrete floors and the engineered surfaces of the external yard were good, with no obvious structural defects or deterioration.

5.1.4 There is no record of any pollution incidents at the Site and a review of historical information and background environmental data (including a Groundsure Report) did not demonstrate any evidence of contamination or environmental pollution at the Site.

5.1.5 The Groundsure Report states that there is no record of flooding at the Site since records commenced in 1946.

Groundsure
LOCATION INTELLIGENCE

Enviro+Geo Insight

ROUNDCROFT WORKS, ROUND CROFT, WILLENHALL, WALSALL, WV13 2PN

Order Details

Date: 24/07/2025

Your ref: CELLSAFEUK Limited

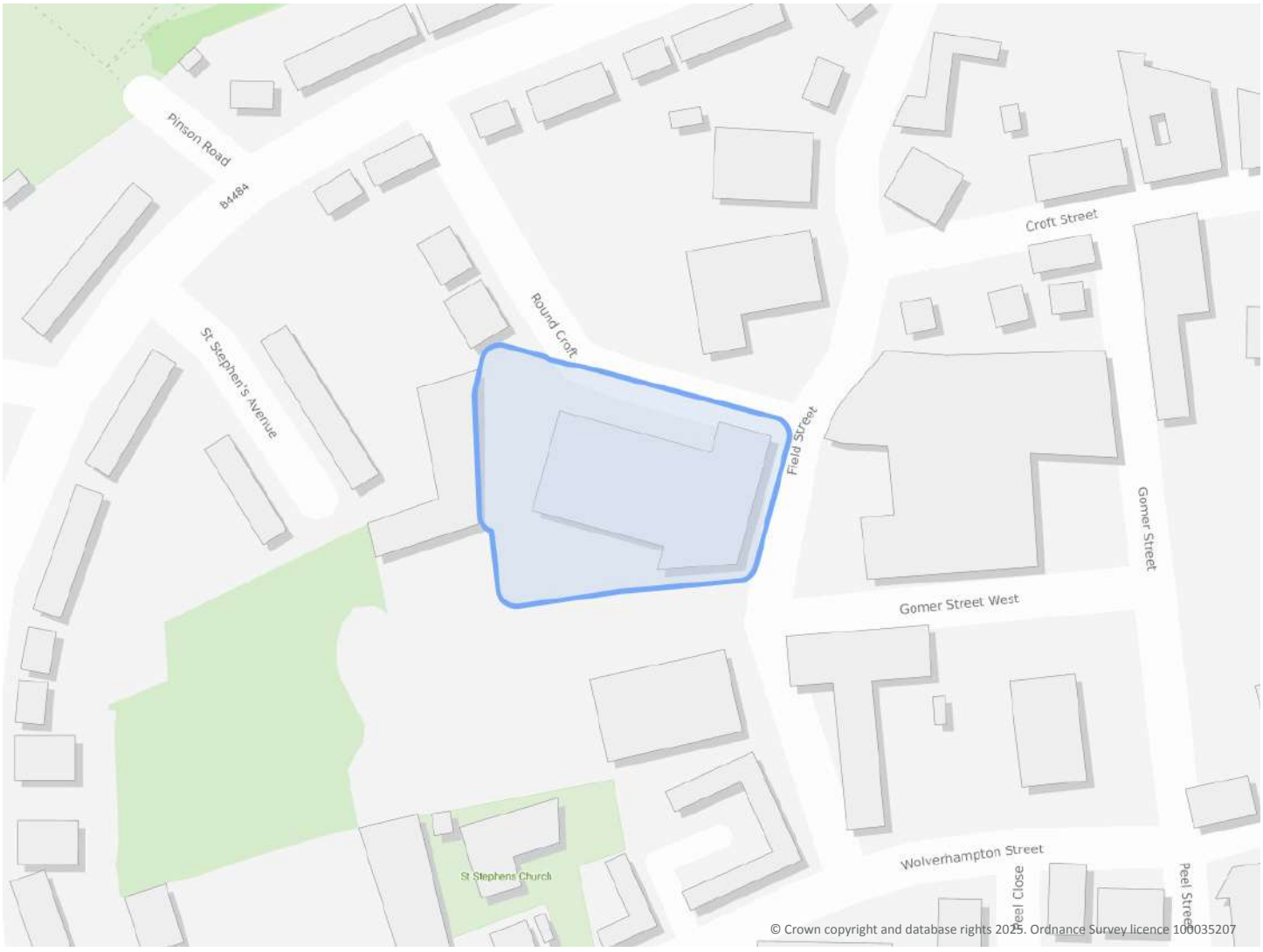
Our Ref: GS-DBN-88M-GVF-NEZ

Site Details

Location: 396025 298582

Area: 0.46 ha

Authority: Walsall Metropolitan Borough Council ↗



Contact us with any questions at:
info@groundsure.com ↗
01273 257 755

Summary of findings

Page	Section	Past land use >	On site	0-50m	50-250m	250-500m	500-2000m
15 >	1.1 >	Historical industrial land uses >	6	13	55	262	-
28 >	1.2 >	Historical tanks >	1	0	2	12	-
28 >	1.3 >	Historical energy features >	0	4	6	25	-
30	1.4	Historical petrol stations	0	0	0	0	-
30 >	1.5 >	Historical garages >	0	0	6	13	-
31	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
32 >	2.1 >	Historical industrial land uses >	6	13	79	346	-
48 >	2.2 >	Historical tanks >	1	0	6	22	-
50 >	2.3 >	Historical energy features >	0	4	15	50	-
52	2.4	Historical petrol stations	0	0	0	0	-
53 >	2.5 >	Historical garages >	0	0	7	20	-
Page	Section	Waste and landfill >	On site	0-50m	50-250m	250-500m	500-2000m
55	3.1	Active or recent landfill	0	0	0	0	-
55	3.2	Historical landfill (BGS records)	0	0	0	0	-
56 >	3.3 >	Historical landfill (LA/mapping records) >	0	0	0	1	-
56 >	3.4 >	Historical landfill (EA/NRW records) >	0	0	1	0	-
56 >	3.5 >	Historical waste sites >	0	0	3	23	-
60 >	3.6 >	Licensed waste sites >	0	0	0	5	-
62 >	3.7 >	Waste exemptions >	9	2	13	47	-
Page	Section	Current industrial land use >	On site	0-50m	50-250m	250-500m	500-2000m
68 >	4.1 >	Recent industrial land uses >	2	6	21	-	-
70	4.2	National Geographic Database (NGD) - Current or recent tanks	0	0	0	-	-
71 >	4.3 >	Current or recent petrol stations >	0	0	0	3	-
71 >	4.4 >	Electricity cables >	0	0	4	2	-
72	4.5	Gas pipelines	0	0	0	0	-

72	4.6	Sites determined as Contaminated Land	0	0	0	0	-
72	4.7	Control of Major Accident Hazards (COMAH)	0	0	0	0	-
72	4.8	Regulated explosive sites	0	0	0	0	-
73	4.9	Hazardous substance storage/usage	0	0	0	0	-
73	4.10	Historical licensed industrial activities (IPC)	0	0	0	0	-
73 >	**4.11 >**	**Licensed industrial activities (Part A(1)) >**	0	0	0	7	-
74 >	**4.12 >**	**Licensed pollutant release (Part A(2)/B) >**	0	0	1	5	-
75	4.13	Radioactive Substance Authorisations	0	0	0	0	-
75 >	**4.14 >**	**Licensed Discharges to controlled waters >**	0	0	0	3	-
76	4.15	Pollutant release to surface waters (Red List)	0	0	0	0	-
76	4.16	Pollutant release to public sewer	0	0	0	0	-
76	4.17	List 1 Dangerous Substances	0	0	0	0	-
77	4.18	List 2 Dangerous Substances	0	0	0	0	-
77 >	**4.19 >**	**Pollution Incidents (EA/NRW) >**	0	0	2	10	-
78	4.20	Pollution inventory substances	0	0	0	0	-
79	4.21	Pollution inventory waste transfers	0	0	0	0	-
79	4.22	Pollution inventory radioactive waste	0	0	0	0	-

Page	Section	**Hydrogeology >**	On site	0-50m	50-250m	250-500m	500-2000m
80 >	**5.1 >**	**Superficial aquifer >**	Identified (within 500m)				
82 >	**5.2 >**	**Bedrock aquifer >**	Identified (within 500m)				
83 >	**5.3 >**	**Groundwater vulnerability >**	Identified (within 50m)				
84	5.4	Groundwater vulnerability- soluble rock risk	None (within 0m)				
84	5.5	Groundwater vulnerability- local information	None (within 0m)				
85 >	**5.6 >**	**Groundwater abstractions >**	0	0	0	2	8
88	5.7	Surface water abstractions	0	0	0	0	0
88	5.8	Potable abstractions	0	0	0	0	0
88	5.9	Source Protection Zones	0	0	0	0	-
88	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-

Page	Section	**Hydrology >**	On site	0-50m	50-250m	250-500m	500-2000m

89	6.1	Water Network (OS MasterMap)	0	0	0	-	-
89	6.2	Surface water features	0	0	0	-	-
90 >	6.3 >	WFD Surface water body catchments >	1	-	-	-	-
90 >	6.4 >	WFD Surface water bodies >	0	0	0	-	-
91 >	6.5 >	WFD Groundwater bodies >	1	-	-	-	-
Page	Section	River and coastal flooding	On site	0-50m	50-250m	250-500m	500-2000m
92	7.1	Risk of flooding from rivers and the sea	None (within 50m)				
92	7.2	Historical Flood Events	0	0	0	-	-
92	7.3	Flood Defences	0	0	0	-	-
93	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
93	7.5	Flood Storage Areas	0	0	0	-	-
94	7.6	Flood Zone 2	None (within 50m)				
94	7.7	Flood Zone 3	None (within 50m)				
Page	Section	Surface water flooding >					
95 >	8.1 >	Surface water flooding >	1 in 30 year, 0.3m - 1.0m (within 50m)				
Page	Section	Groundwater flooding >					
97 >	9.1 >	Groundwater flooding >	Low (within 50m)				
Page	Section	Environmental designations >	On site	0-50m	50-250m	250-500m	500-2000m
98	10.1	Sites of Special Scientific Interest (SSSI)	0	0	0	0	0
99	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
99	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
99	10.4	Special Protection Areas (SPA)	0	0	0	0	0
99	10.5	National Nature Reserves (NNR)	0	0	0	0	0
100 >	10.6 >	Local Nature Reserves (LNR) >	0	0	0	0	4
100	10.7	Designated Ancient Woodland	0	0	0	0	0
100	10.8	Biosphere Reserves	0	0	0	0	0
101	10.9	Forest Parks	0	0	0	0	0
101	10.10	Marine Conservation Zones	0	0	0	0	0
101	10.11	Green Belt	0	0	0	0	0

101	10.12	Proposed Ramsar sites	0	0	0	0	0
101	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
102	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
102	10.15	Nitrate Sensitive Areas	0	0	0	0	0
102 >	10.16 >	Nitrate Vulnerable Zones >	1	0	0	0	1
103 >	10.17 >	SSSI Impact Risk Zones >	1	-	-	-	-
104	10.18	SSSI Units	0	0	0	0	0
Page	Section	**Visual and cultural designations >**	On site	0-50m	50-250m	250-500m	500-2000m
105	11.1	World Heritage Sites	0	0	0	-	-
106	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
106	11.3	National Parks	0	0	0	-	-
106 >	11.4 >	Listed Buildings >	0	0	3	-	-
107 >	11.5 >	Conservation Areas >	0	0	1	-	-
107	11.6	Scheduled Ancient Monuments	0	0	0	-	-
107	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	**Agricultural designations >**	On site	0-50m	50-250m	250-500m	500-2000m
108 >	12.1 >	Agricultural Land Classification >	Urban (within 250m)				
109	12.2	Open Access Land	0	0	0	-	-
109	12.3	Tree Felling Licences	0	0	0	-	-
109	12.4	Environmental Stewardship Schemes	0	0	0	-	-
109	12.5	Countryside Stewardship Schemes	0	0	0	-	-
Page	Section	**Habitat designations >**	On site	0-50m	50-250m	250-500m	500-2000m
110 >	13.1 >	Priority Habitat Inventory >	0	0	10	-	-
111	13.2	Habitat Networks	0	0	0	-	-
111 >	13.3 >	Open Mosaic Habitat >	1	0	1	-	-
112	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
113 >	14.1 >	10k Availability >	Identified (within 500m)				
114 >	14.2 >	Artificial and made ground (10k) >	1	0	1	8	-

116 >	14.3 >	Superficial geology (10k) >	1	0	1	1	-
117	14.4	Landslip (10k)	0	0	0	0	-
118 >	14.5 >	Bedrock geology (10k) >	2	1	2	1	-
119 >	14.6 >	Bedrock faults and other linear features (10k) >	0	3	2	4	-
Page	Section	**Geology 1:50,000 scale >**	On site	0-50m	50-250m	250-500m	500-2000m
120 >	15.1 >	50k Availability >	Identified (within 500m)				
121 >	15.2 >	Artificial and made ground (50k) >	1	1	1	4	-
122 >	15.3 >	Artificial ground permeability (50k) >	1	0	-	-	-
123 >	15.4 >	Superficial geology (50k) >	1	1	2	1	-
124 >	15.5 >	Superficial permeability (50k) >	Identified (within 50m)				
124	15.6	Landslip (50k)	0	0	0	0	-
124	15.7	Landslip permeability (50k)	None (within 50m)				
125 >	15.8 >	Bedrock geology (50k) >	2	4	6	3	-
126 >	15.9 >	Bedrock permeability (50k) >	Identified (within 50m)				
127 >	15.10 >	Bedrock faults and other linear features (50k) >	0	5	6	6	-
Page	Section	**Boreholes >**	On site	0-50m	50-250m	250-500m	500-2000m
129 >	16.1 >	BGS Boreholes >	0	24	91	-	-
Page	Section	**Natural ground subsidence >**					
134 >	17.1 >	Shrink swell clays >	Very low (within 50m)				
135 >	17.2 >	Running sands >	Very low (within 50m)				
136 >	17.3 >	Compressible deposits >	Very low (within 50m)				
138 >	17.4 >	Collapsible deposits >	Very low (within 50m)				
139 >	17.5 >	Landslides >	Very low (within 50m)				
140 >	17.6 >	Ground dissolution of soluble rocks >	Negligible (within 50m)				
Page	Section	**Mining and ground workings >**	On site	0-50m	50-250m	250-500m	500-2000m
142	18.1	BritPits	0	0	0	0	-
143 >	18.2 >	Surface ground workings >	3	10	40	-	-
145 >	18.3 >	Underground workings >	0	0	1	8	118
150 >	18.4 >	Underground mining extents >	2	0	1	6	-

150 >	18.5 >	Historical Mineral Planning Areas >	0	0	0	1	-
151 >	18.6 >	Non-coal mining >	2	1	10	9	45
158 >	18.7 >	JPB mining areas >	Identified (within 0m)				
159 >	18.8 >	The Coal Authority non-coal mining >	1	0	0	6	-
159 >	18.9 >	Researched mining >	0	0	0	2	-
160	18.10	Mining record office plans	0	0	0	0	-
160 >	18.11 >	BGS mine plans >	3	0	0	1	-
160 >	18.12 >	Coal mining >	Identified (within 0m)				
161	18.13	Brine areas	None (within 0m)				
161	18.14	Gypsum areas	None (within 0m)				
161	18.15	Tin mining	None (within 0m)				
161	18.16	Clay mining	None (within 0m)				

Page	Section	Ground cavities and sinkholes	On site	0-50m	50-250m	250-500m	500-2000m
162	19.1	Natural cavities	0	0	0	0	-
162	19.2	Mining cavities	0	0	0	0	0
162	19.3	Reported recent incidents	0	0	0	0	-
162	19.4	Historical incidents	0	0	0	0	-

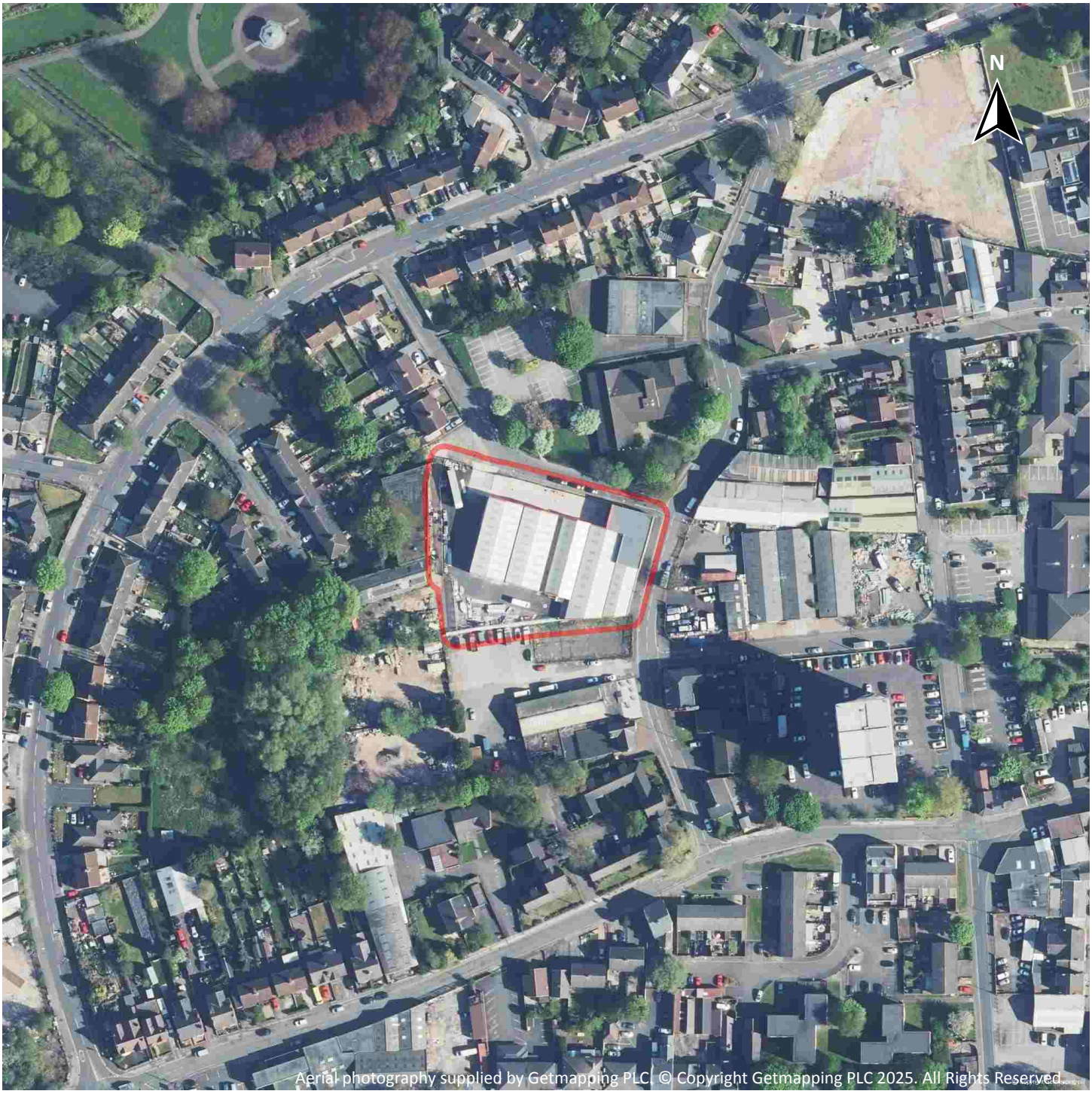
Page	Section	Radon >					
164 >	20.1 >	Radon >	Less than 1% (within 0m)				

Page	Section	Soil chemistry >	On site	0-50m	50-250m	250-500m	500-2000m
166 >	21.1 >	BGS Estimated Background Soil Chemistry >	4	13	-	-	-
167	21.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
167	21.3	BGS Measured Urban Soil Chemistry	0	0	-	-	-

Page	Section	Railway infrastructure and projects >	On site	0-50m	50-250m	250-500m	500-2000m
168	22.1	Underground railways (London)	0	0	0	-	-
168	22.2	Underground railways (Non-London)	0	0	0	-	-
169	22.3	Railway tunnels	0	0	0	-	-
169 >	22.4 >	Historical railway and tunnel features >	0	0	17	-	-
170	22.5	Royal Mail tunnels	0	0	0	-	-

170	22.6	Historical railways	0	0	0	-	-
170	22.7	Railways	0	0	0	-	-
170	22.8	Crossrail 2	0	0	0	0	-
170	22.9	HS2	0	0	0	0	-

Recent aerial photograph



Capture Date: 30/04/2022

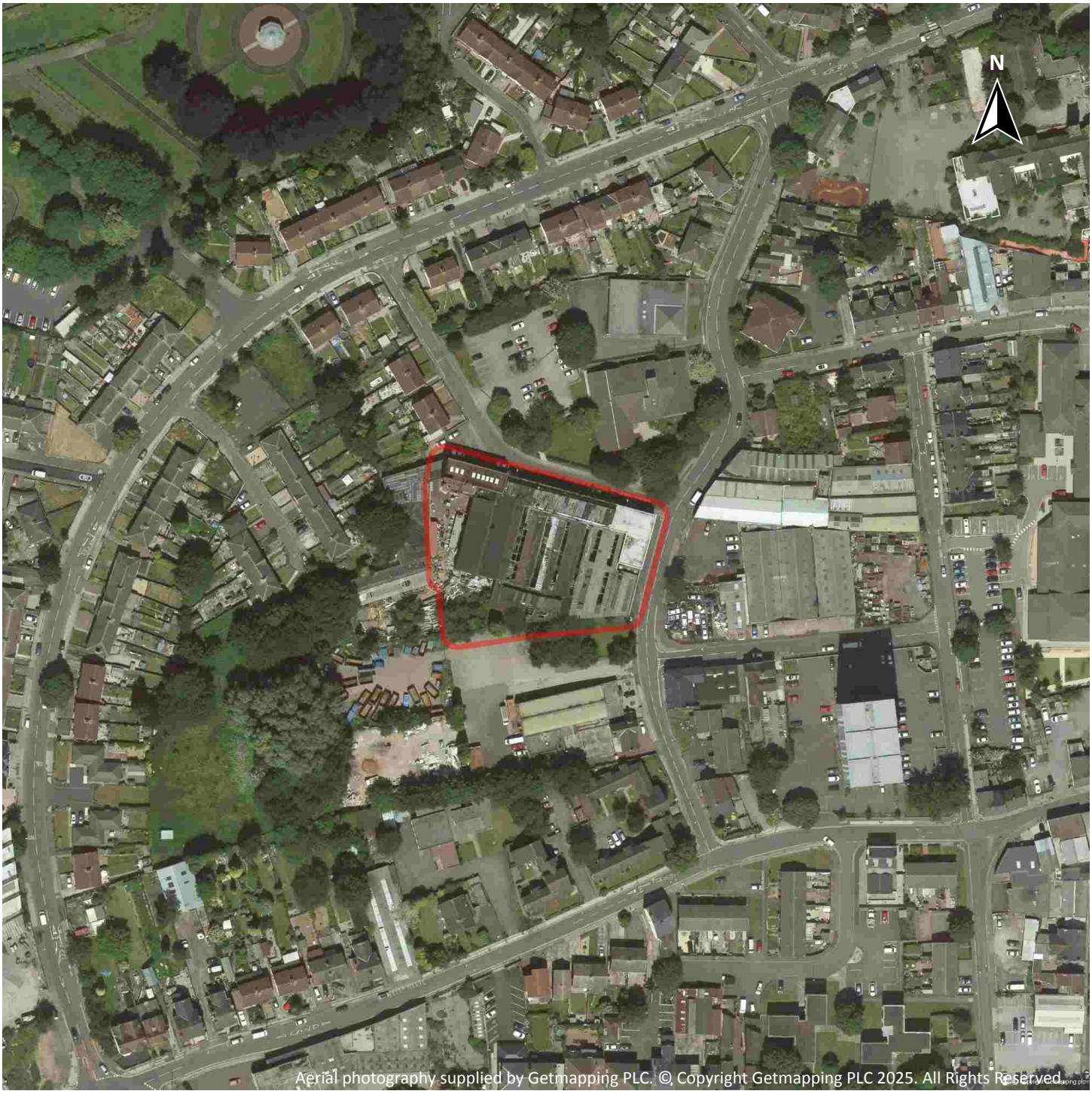
Site Area: 0.46ha

Recent site history - 2019 aerial photograph

Capture Date: 14/09/2019

Site Area: 0.46ha

Recent site history - 2013 aerial photograph



Capture Date: 09/07/2013

Site Area: 0.46ha

Recent site history - 2006 aerial photograph

Capture Date: 16/07/2006

Site Area: 0.46ha

Recent site history - 1999 aerial photograph

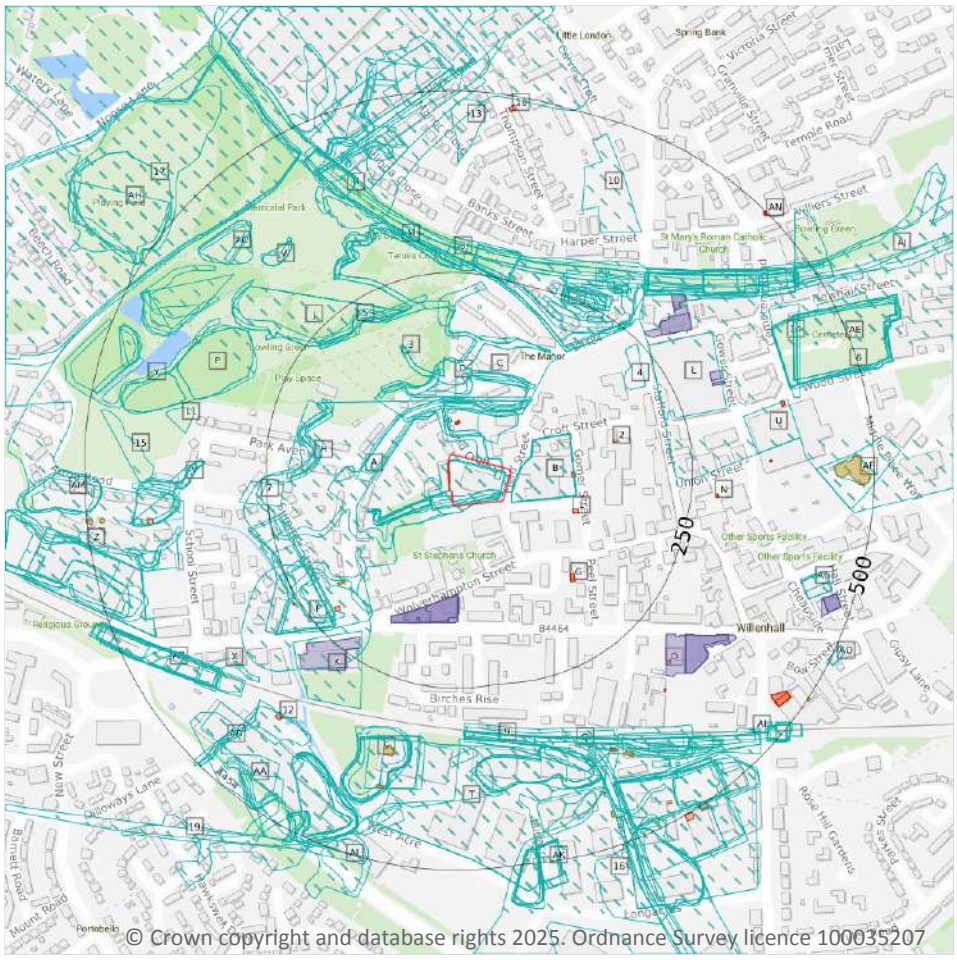
Capture Date: 27/07/1999

Site Area: 0.46ha

OS MasterMap site plan

Site Area: 0.46ha

1 Past land use



Site Outline

Search buffers in metres (m)

Historical industrial land uses

Historical tanks

Historical energy features

Historical garages

1.1 Historical industrial land uses

Records within 500m	336

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

Features are displayed on the Past land use map on **page 15 >**

ID	Location	Land use	Dates present	Group ID
A	**On site**	**Unspecified Heap**	**1885**	**1039200**

ID	Location	Land use	Dates present	Group ID
A	**On site**	**Unspecified Ground Workings**	**1886**	**1051887**
A	**On site**	**Unspecified Works**	**1988**	**1062134**
A	**On site**	**Unspecified Ground Workings**	**1901**	**1094414**
A	**On site**	**Unspecified Works**	**1993**	**1100052**
A	**On site**	**Unspecified Works**	**1980**	**1171948**
B	8m E	Unspecified Commercial/Industrial	1993	1023362
B	8m E	Unspecified Works	1980	1095176
B	8m E	Unspecified Works	1988	1133127
B	9m E	Unspecified Works	1974	1111369
A	12m SW	Unspecified Pit	1901	1029345
C	24m N	Unspecified Ground Workings	1901	1077340
C	24m N	Unspecified Ground Workings	1919	1126044
A	26m W	Unspecified Ground Workings	1919	1084265
A	28m SW	Unspecified Ground Workings	1938	1123240
A	28m SW	Unspecified Ground Workings	1920	1166308
C	30m N	Unspecified Pit	1968	1029342
A	30m W	Unspecified Ground Workings	1938	1052828
A	30m W	Unspecified Ground Workings	1919	1115324
C	59m NW	Refuse Heap	1920	1013535
C	66m N	Unspecified Ground Workings	1920	1063201
C	69m N	Unspecified Ground Workings	1938	1051822
A	75m NW	Unspecified Pit	1920	1029343
C	77m N	Unspecified Ground Workings	1919	1110223
C	80m N	Unspecified Ground Workings	1919	1081785
C	95m NW	Unspecified Ground Workings	1901	1120697
D	96m N	Unspecified Ground Workings	1886	1094707
D	96m N	Unspecified Ground Workings	1885	1145028
A	129m W	Unspecified Pit	1901	1029344

ID	Location	Land use	Dates present	Group ID
F	133m SW	Unspecified Ground Workings	1886	1019280
3	152m NW	Unspecified Tank	1968 - 1974	1164994
H	172m W	Unspecified Ground Workings	1919	1126045
H	174m W	Unspecified Ground Workings	1901	1051848
D	176m N	Unspecified Ground Workings	1919	1075494
H	179m W	Unspecified Ground Workings	1920	1092462
I	180m NE	Railway Sidings	1938	1065367
I	180m NE	Railway Sidings	1901 - 1920	1092775
F	181m SW	Wire Works	1885 - 1886	1118474
I	184m NE	Railway Building	1955	1048449
I	185m NE	Unspecified Commercial/Industrial	1919	1023363
I	185m NE	Railway Sidings	1968	1099156
I	191m N	Railway Land	1885 - 1886	1058636
4	196m NE	Unspecified Ground Workings	1968	1019123
D	204m N	Unspecified Old Shaft	1885 - 1886	1125497
J	206m NW	Unspecified Heap	1938	1041318
J	206m NW	Unspecified Ground Workings	1919	1077575
J	206m NW	Unspecified Ground Workings	1920	1134120
I	206m N	Railway Sidings	1955	1171360
5	208m N	Unspecified Ground Workings	1901	1095221
J	210m N	Unspecified Ground Workings	1919	1170270
F	213m SW	Iron Works	1919	1132065
K	214m SW	Disused Wire Works	1901	1025011
F	214m SW	Iron Works	1901	1085465
I	215m N	Railway Sidings	1885 - 1886	1075179
F	216m SW	Iron Works	1919 - 1920	1070019
I	216m N	Railway Sidings	1919	1125549
F	217m W	Refuse Heap	1901	1013536

ID	Location	Land use	Dates present	Group ID
F	219m SW	Unspecified Works	1974 - 1980	1118850
F	220m SW	Unspecified Works	1988 - 1993	1106444
6	221m E	Industrial Estate	1988 - 1993	1153877
F	221m SW	Iron Works	1955	1148004
L	223m E	Unspecified Works	1988	1033082
7	227m W	Metal Works	1901	1050438
I	229m NE	Railway Building	1901 - 1938	1164029
I	235m NE	Railway Building	1955 - 1968	1131793
K	238m SW	Coal Pit	1885 - 1886	1074849
I	245m N	Cuttings	1968 - 1974	1064931
I	245m N	Goods Shed	1920	1113434
I	245m N	Railway Building	1938 - 1955	1071681
I	245m N	Goods Shed	1901 - 1919	1092664
I	245m NE	Railway Building	1919 - 1938	1065351
I	246m N	Cuttings	1988	1086495
I	246m N	Cuttings	1980	1113605
I	249m N	Goods Shed	1885 - 1886	1089892
I	251m N	Goods Shed	1919	1168413
I	252m N	Goods Station	1968	1014067
I	252m NE	Railway Building	1955	1157766
M	254m N	Unspecified Ground Workings	1938	1055070
M	254m N	Unspecified Ground Workings	1919	1056387
M	254m N	Unspecified Ground Workings	1901	1106070
M	254m N	Unspecified Ground Workings	1920	1107398
8	258m N	Cuttings	1919	1012007
M	258m N	Unspecified Ground Workings	1919	1118939
I	269m N	Railway Station	1885 - 1886	1107175
I	275m N	Railway Sidings	1885 - 1886	1160710

ID	Location	Land use	Dates present	Group ID
I	276m NE	Railway Station	1919 - 1938	1072323
I	283m NE	Railway Building	1968	1048450
I	287m NE	Railway Station	1901	1091039
I	288m NE	Railway Station	1955	1096257
I	288m NE	Railway Station	1919	1110505
P	292m W	Unspecified Heaps	1968 - 1974	1120161
Q	298m S	Mineral Railway Sidings	1901	1071563
P	299m W	Unspecified Heap	1988	1081651
P	299m W	Unspecified Heap	1980	1085169
I	303m NE	Cuttings	1938	1083193
I	303m NE	Cuttings	1919	1145388
Q	303m S	Railway Sidings	1885 - 1886	1150994
I	305m NE	Cuttings	1920	1159476
R	305m N	Cuttings	1885 - 1886	1163817
I	309m NE	Cuttings	1919	1071655
Q	309m S	Mineral Railway Sidings	1938	1176929
Q	309m S	Railway Sidings	1919	1099615
9	309m S	Railway Sidings	1938	1056279
Q	309m S	Mineral Railway Sidings	1919	1076595
Q	310m S	Railway Sidings	1955	1091946
Q	310m S	Railway Sidings	1968	1132311
I	310m NE	Cuttings	1955	1105426
I	311m NE	Cuttings	1885 - 1886	1096927
I	312m NE	Cuttings	1988 - 1993	1114878
I	312m NE	Cuttings	1980	1124481
S	316m S	Unspecified Ground Workings	1886 - 1980	1171049
T	318m S	Oil Depot	1980	1061648
S	318m S	Unspecified Heap	1955 - 1974	1074804

ID	Location	Land use	Dates present	Group ID
S	319m S	Oil Depot	1988	1140619
T	320m S	Industrial Estate	1988	1034797
S	321m S	Unspecified Depot	1974	1022816
S	321m S	Unspecified Heap	1901	1054619
Q	326m S	Railway Sidings	1974	1127577
S	327m S	Unspecified Heap	1919	1111897
S	327m S	Unspecified Heap	1938	1120116
T	327m S	Refuse Heap	1968	1013568
Q	328m S	Railway Building	1885	1048826
S	328m S	Unspecified Ground Workings	1919 - 1920	1082139
S	329m S	Unspecified Heap	1938	1173743
U	329m E	Unspecified Works	1988 - 1993	1172064
R	330m N	Unspecified Pit	1938 - 1955	1133287
T	333m S	Unspecified Heap	1920	1041426
V	335m W	Unspecified Ground Workings	1919	1165870
V	335m W	Unspecified Ground Workings	1901	1138956
V	337m W	Unspecified Ground Workings	1919	1164911
T	340m S	Unspecified Ground Workings	1919	1112248
T	340m S	Unspecified Ground Workings	1938	1123936
T	340m S	Unspecified Heaps	1901 - 1938	1088626
R	341m N	Disused Colliery	1901	1164411
T	343m S	Unspecified Heaps	1886	1175302
T	343m S	Unspecified Heaps	1885	1063693
V	345m W	Unspecified Ground Workings	1920	1064859
10	349m N	Unspecified Works	1974	1033087
W	353m NW	Unspecified Ground Workings	1919	1064285
W	354m NW	Unspecified Heap	1901	1061025
W	354m NW	Unspecified Heap	1938	1072139

ID	Location	Land use	Dates present	Group ID
Q	354m S	Railway Building	1885	1048827
11	355m W	Unspecified Pit	1988	1029440
X	357m SW	Refuse Heap	1901	1013569
Q	358m SE	Railway Sidings	1885	1060547
I	361m NE	Cuttings	1974	1141144
T	363m S	Unspecified Heap	1955	1042031
Y	364m NW	Unspecified Ground Workings	1885 - 1886	1137281
Q	364m SE	Railway Sidings	1919 - 1938	1136683
Z	365m W	Unspecified Works	1993	1065378
AA	368m SW	Unspecified Ground Workings	1974	1070005
V	371m W	Unspecified Heap	1901 - 1919	1139346
AA	371m SW	Unspecified Ground Workings	1968	1117789
Y	372m W	Unspecified Heap	1980	1056169
Y	372m W	Unspecified Heap	1988	1060691
Z	372m W	Unspecified Ground Workings	1886	1113614
R	373m NW	Unspecified Ground Workings	1920	1019319
V	374m W	Unspecified Heap	1886	1129497
V	374m W	Cuttings	1919 - 1920	1058366
AB	374m SW	Cuttings	1886	1164220
AB	378m SW	Cuttings	1885	1083269
V	378m W	Unspecified Heap	1920	1066734
R	381m NW	Cuttings	1919 - 1920	1158258
R	382m N	Disused Colliery	1885 - 1886	1052243
R	382m N	Unspecified Heap	1885 - 1886	1091562
R	382m NW	Cuttings	1938 - 1955	1113641
R	382m NW	Cuttings	1919	1176727
Y	384m NW	Unspecified Ground Workings	1885 - 1886	1130745
AC	385m NW	Unspecified Pit	1968 - 1974	1175987

ID	Location	Land use	Dates present	Group ID
Y	389m NW	Unspecified Heap	1988	1041376
AD	389m SW	Unspecified Ground Workings	1919	1157290
AB	390m SW	Cuttings	1901	1066895
R	391m N	Unspecified Pits	1968	1049271
AB	392m SW	Cuttings	1919	1062168
AA	393m SW	Unspecified Ground Workings	1938	1095264
AA	393m SW	Unspecified Ground Workings	1919	1124423
V	393m W	Unspecified Ground Workings	1901	1096921
AB	394m SW	Cuttings	1938	1165982
X	394m SW	Cuttings	1920 - 1938	1075530
AA	395m SW	Unspecified Ground Workings	1886	1153353
X	396m SW	Cuttings	1955	1134749
AA	396m SW	Unspecified Ground Workings	1901 - 1919	1089246
AA	396m SW	Unspecified Ground Workings	1920 - 1938	1163356
AA	396m SW	Unspecified Heap	1885	1174743
AB	396m SW	Cuttings	1968 - 1980	1056787
AB	396m SW	Cuttings	1988 - 1993	1133208
I	398m NE	Cuttings	1955	1055418
AA	399m SW	Unspecified Heap	1955	1176774
Y	400m NW	Unspecified Ground Workings	1901	1174168
AE	400m E	Cemetery	1993	1104051
AE	401m E	Cemetery	1955	1136893
13	402m N	Unspecified Heap	1919	1041510
AC	402m NW	Unspecified Pit	1919 - 1938	1112145
14	402m E	Cemetery	1885 - 1886	1109223
AE	402m E	Cemetery	1968 - 1980	1138719
AE	402m E	Cemetery	1988	1170236
AA	402m SW	Unspecified Warehouse	1988	1044379

ID	Location	Land use	Dates present	Group ID
Q	405m S	Unspecified Factory	1974	1050341
15	405m W	Unspecified Pit	1955	1029437
AC	405m NW	Unspecified Ground Workings	1919	1019193
V	407m W	Unspecified Pit	1919	1113311
R	408m NW	Brick Works	1920	1060682
V	409m W	Unspecified Pit	1919 - 1938	1123696
AE	410m E	Cemetery	1920	1120413
AE	410m E	Cemetery	1921	1163602
AE	410m E	Cemetery	1901	1169654
AE	413m E	Cemetery	1938	1086481
Q	413m SE	Railway Building	1885	1048809
Q	413m SE	Railway Buildings	1955	1014298
AE	413m E	Cemetery	1885	1083810
Q	414m SE	Railway Building	1968	1123126
R	415m N	Unspecified Ground Workings	1919 - 1938	1127440
R	415m N	Sand Pit	1955	1026323
Q	416m SE	Railway Building	1886	1102339
Q	416m SE	Railway Building	1919 - 1938	1117790
R	416m N	Unspecified Ground Workings	1919	1167893
Q	416m SE	Railway Building	1901 - 1955	1131562
Q	416m SE	Railway Building	1885	1058295
Q	416m S	Unspecified Works	1974 - 1980	1126353
Q	416m S	Unspecified Works	1988 - 1993	1138219
Q	417m S	Unspecified Foundry	1920	1149847
16	417m S	Unspecified Heaps	1885	1056248
Q	417m SE	Unspecified Foundry	1919	1143209
Q	418m S	Unspecified Foundry	1919	1138306
Q	418m S	Unspecified Foundry	1955	1151546

ID	Location	Land use	Dates present	Group ID
Q	418m S	Unspecified Foundry	1968	1153269
Q	418m S	Unspecified Industrial/Commercial	1938	1024563
S	419m S	Unspecified Heap	1920	1099707
AF	419m E	Unspecified Works	1885	1033080
Q	419m S	Unspecified Ground Workings	1886	1019292
Y	419m NW	Unspecified Ground Workings	1919 - 1938	1106836
Q	420m SE	Railway Building	1885	1048539
R	421m N	Old Trial Shaft	1901	1010898
R	421m N	Unspecified Shaft	1938	1095108
R	421m N	Unspecified Shaft	1919	1141321
I	421m NE	Cuttings	1919 - 1920	1056665
I	421m NE	Cuttings	1938	1177110
AB	422m SW	Cuttings	1920 - 1938	1056867
AD	422m SW	Unspecified Ground Workings	1938	1137662
AG	423m E	Police Station	1955	1148291
AG	424m E	Police Station	1968 - 1980	1059986
AG	424m E	Police Station	1988 - 1993	1091512
R	425m N	Unspecified Tank	1919	1046216
AB	428m SW	Cuttings	1955	1091835
AD	431m SW	Unspecified Ground Workings	1920	1130207
Q	432m SE	Railway Building	1885	1048808
R	432m N	Brick Works	1919	1143892
I	432m NE	Cuttings	1955	1164849
R	433m NW	Cuttings	1938	1069888
R	433m NW	Cuttings	1919	1101947
R	434m NW	Cuttings	1955	1159686
R	434m N	Brick Works	1938	1163690
R	436m N	Unspecified Pit	1955	1029552

ID	Location	Land use	Dates present	Group ID
R	436m N	Brick Works	1955	1145472
AH	437m NW	Disused Colliery	1920 - 1938	1139649
17	437m NW	Disused Colliery	1919 - 1920	1137635
Z	438m W	Unspecified Works	1974 - 1980	1073855
Z	438m W	Unspecified Works	1988	1084043
R	438m NW	Unspecified Ground Workings	1919 - 1938	1160490
Q	441m SE	Unspecified Works	1993	1078205
AH	441m NW	Colliery	1901	1042252
AH	442m NW	Disused Colliery	1919	1054790
AB	444m SW	Cuttings	1920 - 1938	1132020
AF	444m E	Unspecified Tanks	1885	1160838
AA	445m SW	Unspecified Ground Workings	1955	1099712
R	446m N	Unspecified Ground Workings	1919	1165490
Q	447m SE	Unspecified Ground Workings	1886	1019293
Y	449m W	Unspecified Heap	1980	1054204
Y	449m W	Unspecified Heap	1974	1099003
Q	450m SE	Unspecified Depot	1974	1022854
Y	452m W	Unspecified Heap	1988	1111956
R	455m N	Unspecified Works	1988 - 1993	1154783
R	455m N	Unspecified Works	1980	1167523
AA	456m SW	Unspecified Heap	1919	1089271
R	460m N	Unspecified Heap	1885 - 1886	1168648
AB	460m SW	Cuttings	1955	1121980
Z	462m W	Unspecified Ground Workings	1938	1101197
Z	462m W	Unspecified Ground Workings	1919	1167459
AI	463m SE	Railway Buildings	1885	1014250
AJ	464m NE	Railway Sidings	1920 - 1921	1081311
Z	464m W	Unspecified Works	1968	1111550

ID	Location	Land use	Dates present	Group ID
AA	466m SW	Unspecified Heap	1920 - 1938	1087567
AJ	467m NE	Railway Sidings	1901	1065226
AK	470m S	Unspecified Works	1919	1149170
AK	471m S	Unspecified Works	1938	1132932
AL	471m S	Unspecified Heap	1968	1162315
AK	472m S	Unspecified Works	1920 - 1938	1106599
AJ	472m NE	Railway Sidings	1938	1107284
AK	473m S	Unspecified Works	1955	1147071
AK	473m S	Unspecified Works	1974	1148195
AK	473m S	Unspecified Works	1968	1150955
Z	475m W	Unspecified Ground Workings	1901	1125171
AI	475m SE	Railway Station	1885	1061587
AK	476m S	Unspecified Heap	1901	1120600
AK	476m S	Unspecified Heap	1919	1174545
AM	477m W	Unspecified Heap	1919	1122291
AM	477m W	Unspecified Heap	1886	1130828
Q	477m SE	Unspecified Ground Workings	1901	1019798
I	477m NE	Railway Sidings	1885	1113577
AM	478m W	Unspecified Heap	1919	1119270
R	478m N	Unspecified Old Shafts	1885 - 1886	1063045
AI	478m SE	Railway Station	1955	1120109
AI	479m SE	Railway Station	1886	1165959
AI	479m SE	Railway Station	1919 - 1938	1174588
AK	479m S	Unspecified Heap	1938	1066897
R	480m N	Old Coal Shafts	1901	1035249
AL	480m S	Unspecified Heap	1885	1104821
AK	480m S	Unspecified Heap	1919	1064055
AK	480m S	Unspecified Heap	1938	1151166

ID	Location	Land use	Dates present	Group ID
AI	481m SE	Railway Station	1901 - 1920	1066417
AI	481m SE	Railway Station	1938	1079348
AK	481m S	Unspecified Heap	1920	1137357
I	481m NE	Unspecified Heap	1885	1171958
R	482m N	Gravel Pit	1955	1046886
Q	482m SE	Unspecified Heaps	1886	1075347
R	482m N	Unspecified Works	1974	1173709
AA	482m SW	Unspecified Ground Workings	1938	1089290
AA	482m SW	Unspecified Ground Workings	1901	1092520
AA	482m SW	Unspecified Ground Workings	1920	1146692
AA	482m SW	Unspecified Ground Workings	1919	1150107
AK	483m S	Unspecified Heap	1886	1126677
AI	484m SE	Railway Station	1968	1168749
R	485m NW	Brick Works	1901 - 1919	1067556
R	485m NW	Refuse Heap	1955	1013606
AM	487m W	Unspecified Heap	1920	1135866
Q	487m S	Unspecified Heap	1920 - 1938	1140915
Q	490m SE	Unspecified Heap	1919	1142930
Q	490m SE	Unspecified Heap	1938	1172520
AH	490m NW	Unspecified Heaps	1885 - 1886	1149799
AO	497m SE	Fire Station	1988 - 1993	1054397
AO	497m SE	Fire Station	1980	1171058
19	498m S	Old Tramway Sidings	1901	1038961
AH	498m NW	Unspecified Heap	1938	1115292
AH	498m NW	Unspecified Heap	1919	1126226
AH	498m NW	Unspecified Ground Workings	1901	1099255
AH	498m NW	Unspecified Ground Workings	1920	1145806

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m	15

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

Features are displayed on the Past land use map on **page 15 >**

ID	Location	Land use	Dates present	Group ID
A	**On site**	**Unspecified Tank**	**1975**	**156654**
2	147m E	Unspecified Tank	1956 - 1970	175111
F	183m SW	Unspecified Tank	1988 - 1992	172240
F	257m SW	Unspecified Tank	1955	166224
F	257m SW	Unspecified Tank	1971	171225
F	258m SW	Unspecified Tank	1957	170958
S	340m S	Tanks	1988 - 1992	171778
Q	384m SE	Tanks	1918	163973
S	397m S	Unspecified Tank	1988 - 1992	164951
AF	446m E	Tanks	1886	162742
Q	452m S	Unspecified Tank	1975	156653
Q	471m SE	Unspecified Tank	1975 - 1991	174826
Z	476m W	Unspecified Tank	1975 - 1992	174631
Z	492m W	Unspecified Tank	1979 - 1991	173531
AI	498m SE	Unspecified Tank	1956 - 1965	172105

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m	35

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 15 >**

ID	Location	Land use	Dates present	Group ID
C	41m N	Electricity Substation	1975	100398
C	41m N	Electricity Substation	1992	97726
C	43m N	Electricity Substation	1991	96512
C	43m N	Electricity Substation	1982	101820
B	84m E	Electricity Substation	1982 - 1991	97840
B	85m E	Electricity Substation	1956 - 1970	98518
1	95m E	Electricity Substation	1982 - 1991	96117
G	136m SE	Electricity Substation	1975	100170
G	137m SE	Electricity Substation	1979 - 1991	103307
F	210m SW	Electricity Substation	1971 - 1992	98573
N	285m E	Electricity Substation	1982 - 1991	95958
N	286m E	Electricity Substation	1970	100580
I	289m NE	Electricity Substation	1982	94286
O	315m SE	Electricity Substation	1991	94287
O	341m SE	Electricity Substation	1956 - 1965	99177
U	356m E	Electricity Substation	1982	103836
U	356m E	Electricity Substation	1956 - 1970	97773
Q	370m SE	Electricity Substation	1975 - 1991	100297
Q	371m SE	Electricity Substation	1956 - 1957	104900
12	372m SW	Electricity Substation	1988 - 1992	98664
U	383m E	Electricity Substation	1956	98028
U	383m E	Electricity Substation	1970 - 1991	104219
V	409m W	Electricity Substation	1975 - 1992	100850
Q	424m S	Electricity Substation	1956	94285
Q	425m S	Electricity Substations	1957	95077
AI	455m SE	Electricity Substation	1956 - 1965	102732

ID	Location	Land use	Dates present	Group ID
AI	456m SE	Electricity Substation	1975	104469
AI	465m SE	Electricity Substation	1979 - 1991	99972
Q	471m S	Electricity Substation	1991	94288
18	477m N	Electricity Substation	1974 - 1992	96636
AN	495m NE	Electricity Substation	1970 - 1991	99226
AN	496m NE	Electricity Substation	1956	101302
Q	496m SE	Electricity Substation	1975 - 1979	101789
AN	496m NE	Electricity Substation	1957	96570
Q	500m SE	Electricity Substation	1991	94289

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	19

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 15 >**

ID	Location	Land use	Dates present	Group ID
E	120m S	Garage	1971	32939
E	120m S	Garage	1955	34908

ID	Location	Land use	Dates present	Group ID
E	120m S	Garage	1992	33321
E	121m S	Garage	1988	33689
E	145m S	Garage	1957	33351
K	222m SW	Garage	1988 - 1992	35380
I	264m NE	Garage	1982 - 1991	34566
I	280m NE	Garage	1970	31713
O	290m SE	Garage	1975	32311
L	301m NE	Garage	1957 - 1965	34140
L	302m NE	Garage	1956	35312
L	303m NE	Garage	1956 - 1965	33934
O	311m SE	Garage	1957 - 1965	32435
O	311m SE	Garage	1956	32033
I	317m NE	Garage	1956	35025
I	317m NE	Garage	1957 - 1965	33800
AG	457m E	Garage	1956	31615
AG	459m E	Garage	1972	31539
AG	459m E	Garage	1957 - 1965	33811

This data is sourced from Ordnance Survey / Groundsure.

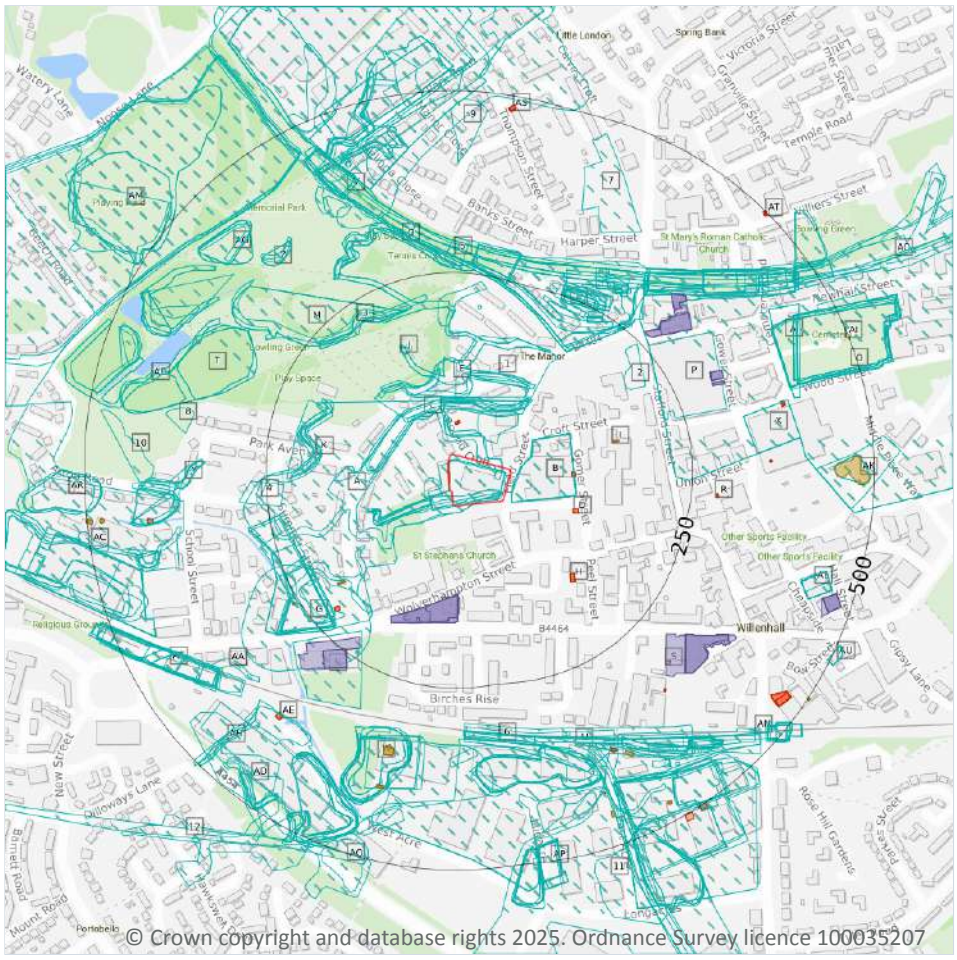
1.6 Historical military land

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

2.1 Historical industrial land uses

Records within 500m	444

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 32 >**

ID	Location	Land Use	Date	Group ID
A	**On site**	**Unspecified Ground Workings**	**1886**	**1051887**
A	**On site**	**Unspecified Heap**	**1885**	**1039200**
A	**On site**	**Unspecified Works**	**1993**	**1100052**

ID	Location	Land Use	Date	Group ID
A	**On site**	**Unspecified Works**	**1980**	**1171948**
A	**On site**	**Unspecified Works**	**1988**	**1062134**
A	**On site**	**Unspecified Ground Workings**	**1901**	**1094414**
B	8m E	Unspecified Commercial/Industrial	1993	1023362
B	8m E	Unspecified Works	1980	1095176
B	8m E	Unspecified Works	1988	1133127
B	9m E	Unspecified Works	1974	1111369
A	12m SW	Unspecified Pit	1901	1029345
C	24m N	Unspecified Ground Workings	1919	1126044
C	24m N	Unspecified Ground Workings	1901	1077340
A	26m W	Unspecified Ground Workings	1919	1084265
A	28m SW	Unspecified Ground Workings	1920	1166308
A	28m SW	Unspecified Ground Workings	1938	1123240
C	30m N	Unspecified Pit	1968	1029342
A	30m W	Unspecified Ground Workings	1938	1052828
A	30m W	Unspecified Ground Workings	1919	1115324
C	59m NW	Refuse Heap	1920	1013535
C	61m NW	Unspecified Ground Workings	1919	1126044
C	66m N	Unspecified Ground Workings	1920	1063201
C	69m N	Unspecified Ground Workings	1938	1051822
A	75m NW	Unspecified Pit	1920	1029343
1	76m N	Unspecified Ground Workings	1901	1077340
C	77m N	Unspecified Ground Workings	1919	1110223
C	80m N	Unspecified Ground Workings	1919	1081785
C	95m NW	Unspecified Ground Workings	1901	1120697
E	96m N	Unspecified Ground Workings	1885	1145028
E	96m N	Unspecified Ground Workings	1886	1094707
A	129m W	Unspecified Pit	1901	1029344

ID	Location	Land Use	Date	Group ID
G	133m SW	Unspecified Ground Workings	1886	1019280
J	152m NW	Unspecified Tank	1968	1164994
J	152m NW	Unspecified Tank	1974	1164994
K	172m W	Unspecified Ground Workings	1919	1126045
K	174m W	Unspecified Ground Workings	1919	1126045
K	174m W	Unspecified Ground Workings	1901	1051848
E	176m N	Unspecified Ground Workings	1919	1075494
K	179m W	Unspecified Ground Workings	1920	1092462
L	180m NE	Railway Sidings	1938	1065367
L	180m NE	Railway Sidings	1901	1092775
L	180m NE	Railway Sidings	1920	1092775
L	180m NE	Railway Sidings	1919	1092775
G	181m SW	Wire Works	1885	1118474
L	184m NE	Railway Building	1955	1048449
L	185m NE	Unspecified Commercial/Industrial	1919	1023363
L	185m NE	Railway Sidings	1968	1099156
L	191m N	Railway Land	1885	1058636
L	191m N	Railway Land	1886	1058636
2	196m NE	Unspecified Ground Workings	1968	1019123
E	204m N	Unspecified Old Shaft	1885	1125497
E	204m N	Unspecified Old Shaft	1886	1125497
M	206m NW	Unspecified Heap	1938	1041318
M	206m NW	Unspecified Ground Workings	1920	1134120
M	206m NW	Unspecified Ground Workings	1919	1077575
L	206m N	Railway Sidings	1955	1171360
3	208m N	Unspecified Ground Workings	1901	1095221
M	210m N	Unspecified Ground Workings	1919	1170270
G	213m SW	Iron Works	1919	1132065

ID	Location	Land Use	Date	Group ID
N	214m SW	Disused Wire Works	1901	1025011
G	214m SW	Iron Works	1901	1085465
L	215m N	Railway Sidings	1885	1075179
L	215m N	Railway Sidings	1886	1075179
G	216m SW	Iron Works	1919	1070019
L	216m N	Railway Sidings	1919	1125549
G	217m W	Refuse Heap	1901	1013536
G	219m SW	Unspecified Works	1974	1118850
G	219m SW	Unspecified Works	1980	1118850
G	220m SW	Unspecified Works	1993	1106444
G	220m SW	Unspecified Works	1988	1106444
G	220m SW	Iron Works	1920	1070019
O	221m E	Industrial Estate	1993	1153877
O	221m E	Industrial Estate	1988	1153877
G	221m SW	Iron Works	1955	1148004
P	223m E	Unspecified Works	1988	1033082
4	227m W	Metal Works	1901	1050438
G	229m SW	Wire Works	1886	1118474
L	229m NE	Railway Building	1938	1164029
L	229m NE	Railway Building	1901	1164029
L	229m NE	Railway Building	1920	1164029
L	229m NE	Railway Building	1919	1164029
L	235m NE	Railway Building	1955	1131793
L	235m NE	Railway Building	1968	1131793
N	238m SW	Coal Pit	1886	1074849
N	239m SW	Coal Pit	1885	1074849
L	245m N	Cuttings	1968	1064931
L	245m N	Cuttings	1974	1064931

ID	Location	Land Use	Date	Group ID
L	245m N	Goods Shed	1920	1113434
L	245m N	Railway Building	1938	1071681
L	245m N	Goods Shed	1901	1092664
L	245m N	Goods Shed	1919	1092664
L	245m NE	Railway Building	1938	1065351
L	245m NE	Railway Building	1920	1065351
L	246m N	Cuttings	1980	1113605
L	246m N	Cuttings	1988	1086495
L	248m NE	Railway Building	1919	1065351
L	249m N	Goods Shed	1885	1089892
L	249m N	Goods Shed	1886	1089892
L	250m N	Railway Building	1955	1071681
L	251m N	Goods Shed	1919	1168413
L	252m N	Goods Station	1968	1014067
L	252m NE	Railway Building	1955	1157766
Q	254m N	Unspecified Ground Workings	1938	1055070
Q	254m N	Unspecified Ground Workings	1901	1106070
Q	254m N	Unspecified Ground Workings	1920	1107398
Q	254m N	Unspecified Ground Workings	1919	1056387
5	258m N	Cuttings	1919	1012007
Q	258m N	Unspecified Ground Workings	1919	1118939
L	269m N	Railway Station	1885	1107175
L	269m N	Railway Station	1886	1107175
L	275m N	Railway Sidings	1885	1160710
L	275m N	Railway Sidings	1886	1160710
L	276m NE	Railway Station	1938	1072323
L	276m NE	Railway Station	1920	1072323
L	276m NE	Railway Station	1919	1072323

ID	Location	Land Use	Date	Group ID
L	283m NE	Railway Building	1968	1048450
L	287m NE	Railway Station	1901	1091039
L	288m NE	Railway Station	1955	1096257
L	288m NE	Railway Station	1919	1110505
T	292m W	Unspecified Heaps	1968	1120161
T	292m W	Unspecified Heaps	1974	1120161
U	298m S	Mineral Railway Sidings	1901	1071563
T	299m W	Unspecified Heap	1980	1085169
T	299m W	Unspecified Heap	1988	1081651
L	303m NE	Cuttings	1938	1083193
L	303m NE	Cuttings	1919	1145388
U	303m S	Railway Sidings	1885	1150994
L	305m NE	Cuttings	1920	1159476
V	305m N	Cuttings	1885	1163817
V	305m N	Cuttings	1886	1163817
L	309m NE	Cuttings	1919	1071655
U	309m S	Mineral Railway Sidings	1938	1176929
U	309m S	Railway Sidings	1919	1099615
6	309m S	Railway Sidings	1938	1056279
U	309m S	Mineral Railway Sidings	1919	1076595
U	310m S	Railway Sidings	1955	1091946
U	310m S	Railway Sidings	1968	1132311
L	310m NE	Cuttings	1955	1105426
L	311m NE	Cuttings	1885	1096927
L	311m NE	Cuttings	1886	1096927
L	312m NE	Cuttings	1993	1114878
L	312m NE	Cuttings	1980	1124481
L	312m NE	Cuttings	1988	1114878

ID	Location	Land Use	Date	Group ID
W	316m S	Unspecified Ground Workings	1886	1171049
W	318m S	Unspecified Ground Workings	1980	1171049
U	318m S	Oil Depot	1980	1061648
W	318m S	Unspecified Heap	1955	1074804
W	318m S	Unspecified Heap	1968	1074804
W	318m S	Unspecified Heap	1974	1074804
W	319m S	Oil Depot	1988	1140619
U	320m S	Industrial Estate	1988	1034797
W	321m S	Unspecified Depot	1974	1022816
W	321m S	Unspecified Heap	1901	1054619
U	326m S	Railway Sidings	1974	1127577
W	327m S	Unspecified Heap	1938	1120116
W	327m S	Unspecified Heap	1919	1111897
U	327m S	Refuse Heap	1968	1013568
U	328m S	Railway Building	1885	1048826
W	328m S	Unspecified Ground Workings	1920	1082139
W	328m S	Unspecified Ground Workings	1919	1082139
W	329m S	Unspecified Heap	1938	1173743
X	329m E	Unspecified Works	1993	1172064
X	329m E	Unspecified Works	1988	1172064
V	330m N	Unspecified Pit	1955	1133287
U	333m S	Unspecified Heap	1920	1041426
Y	335m W	Unspecified Ground Workings	1919	1165870
Y	335m W	Unspecified Ground Workings	1901	1138956
Y	337m W	Unspecified Ground Workings	1919	1164911
U	340m S	Unspecified Ground Workings	1938	1123936
U	340m S	Unspecified Ground Workings	1919	1112248
U	340m S	Unspecified Heaps	1920	1088626

ID	Location	Land Use	Date	Group ID
U	340m S	Unspecified Heaps	1938	1088626
U	340m S	Unspecified Heaps	1919	1088626
U	340m S	Unspecified Heaps	1901	1088626
V	341m N	Disused Colliery	1901	1164411
U	343m S	Unspecified Heaps	1886	1175302
U	343m S	Unspecified Heaps	1885	1063693
Y	345m W	Unspecified Ground Workings	1920	1064859
7	349m N	Unspecified Works	1974	1033087
Z	353m NW	Unspecified Ground Workings	1919	1064285
Z	354m NW	Unspecified Heap	1938	1072139
Z	354m NW	Unspecified Heap	1901	1061025
U	354m S	Railway Building	1885	1048827
Z	355m NW	Unspecified Ground Workings	1919	1064285
8	355m W	Unspecified Pit	1988	1029440
AA	357m SW	Refuse Heap	1901	1013569
U	358m SE	Railway Sidings	1885	1060547
U	358m SE	Railway Sidings	1886	1150994
V	360m NW	Unspecified Pit	1938	1133287
L	361m NE	Cuttings	1974	1141144
U	363m S	Unspecified Heap	1955	1042031
AB	364m NW	Unspecified Ground Workings	1885	1137281
AB	364m NW	Unspecified Ground Workings	1886	1137281
U	364m SE	Railway Sidings	1920	1136683
U	364m SE	Railway Sidings	1938	1136683
U	364m SE	Railway Sidings	1919	1136683
AC	365m W	Unspecified Works	1993	1065378
AD	368m SW	Unspecified Ground Workings	1974	1070005
Y	371m W	Unspecified Heap	1919	1139346

ID	Location	Land Use	Date	Group ID
AD	371m SW	Unspecified Ground Workings	1968	1117789
Y	372m W	Unspecified Heap	1901	1139346
AB	372m W	Unspecified Heap	1980	1056169
AB	372m W	Unspecified Heap	1988	1060691
AC	372m W	Unspecified Ground Workings	1886	1113614
V	373m NW	Unspecified Ground Workings	1920	1019319
Y	374m W	Unspecified Heap	1886	1129497
Y	374m W	Cuttings	1919	1058366
AF	374m SW	Cuttings	1886	1164220
AF	378m SW	Cuttings	1885	1083269
Y	378m W	Unspecified Heap	1920	1066734
V	381m NW	Cuttings	1920	1158258
V	382m N	Disused Colliery	1885	1052243
V	382m N	Unspecified Heap	1885	1091562
V	382m N	Disused Colliery	1886	1052243
V	382m N	Unspecified Heap	1886	1091562
V	382m NW	Cuttings	1938	1113641
V	382m NW	Cuttings	1919	1176727
AB	384m NW	Unspecified Ground Workings	1885	1130745
AB	384m NW	Unspecified Ground Workings	1886	1130745
Y	385m W	Cuttings	1920	1058366
AG	385m NW	Unspecified Pit	1968	1175987
AG	385m NW	Unspecified Pit	1974	1175987
V	386m NW	Cuttings	1919	1158258
V	388m NW	Cuttings	1955	1113641
AB	389m NW	Unspecified Heap	1988	1041376
AH	389m SW	Unspecified Ground Workings	1919	1157290
AF	390m SW	Cuttings	1901	1066895

ID	Location	Land Use	Date	Group ID
V	391m N	Unspecified Pits	1968	1049271
AF	392m SW	Cuttings	1919	1062168
AD	393m SW	Unspecified Ground Workings	1938	1095264
AD	393m SW	Unspecified Ground Workings	1919	1124423
Y	393m W	Unspecified Ground Workings	1901	1096921
AF	394m SW	Cuttings	1938	1165982
AF	394m SW	Cuttings	1919	1062168
AA	394m SW	Cuttings	1938	1075530
AA	394m SW	Cuttings	1920	1075530
AD	395m SW	Unspecified Ground Workings	1886	1153353
AA	396m SW	Cuttings	1955	1134749
AD	396m SW	Unspecified Ground Workings	1920	1163356
AD	396m SW	Unspecified Ground Workings	1938	1163356
AD	396m SW	Unspecified Ground Workings	1919	1089246
AD	396m SW	Unspecified Ground Workings	1901	1089246
AD	396m SW	Unspecified Heap	1885	1174743
AF	396m SW	Cuttings	1968	1056787
AF	396m SW	Cuttings	1974	1056787
AF	396m SW	Cuttings	1993	1133208
AF	396m SW	Cuttings	1980	1056787
AF	396m SW	Cuttings	1988	1133208
L	398m NE	Cuttings	1955	1055418
AD	399m SW	Unspecified Heap	1955	1176774
AB	400m NW	Unspecified Ground Workings	1901	1174168
AI	400m E	Cemetery	1993	1104051
AI	401m E	Cemetery	1955	1136893
9	402m N	Unspecified Heap	1919	1041510
AG	402m NW	Unspecified Pit	1938	1112145

ID	Location	Land Use	Date	Group ID
AG	402m NW	Unspecified Pit	1920	1112145
AG	402m NW	Unspecified Pit	1919	1112145
AI	402m E	Cemetery	1968	1138719
AI	402m E	Cemetery	1974	1138719
AI	402m E	Cemetery	1980	1138719
AI	402m E	Cemetery	1988	1170236
AJ	402m E	Cemetery	1885	1109223
AJ	402m E	Cemetery	1886	1109223
AD	402m SW	Unspecified Warehouse	1988	1044379
U	405m S	Unspecified Factory	1974	1050341
10	405m W	Unspecified Pit	1955	1029437
AG	405m NW	Unspecified Ground Workings	1919	1019193
Y	407m W	Unspecified Pit	1919	1113311
V	408m NW	Brick Works	1920	1060682
Y	409m W	Unspecified Pit	1938	1123696
Y	409m W	Unspecified Pit	1919	1123696
Y	409m W	Unspecified Pit	1920	1123696
Y	409m W	Unspecified Pit	1938	1123696
AI	410m E	Cemetery	1920	1120413
AI	410m E	Cemetery	1901	1169654
AI	410m E	Cemetery	1921	1163602
AI	413m E	Cemetery	1938	1086481
U	413m SE	Railway Building	1885	1048809
U	413m SE	Railway Buildings	1955	1014298
AI	413m E	Cemetery	1885	1083810
AI	413m E	Cemetery	1885	1083810
U	414m SE	Railway Building	1968	1123126
V	415m N	Unspecified Ground Workings	1938	1127440

ID	Location	Land Use	Date	Group ID
V	415m N	Unspecified Ground Workings	1920	1127440
V	415m N	Unspecified Ground Workings	1919	1127440
V	415m N	Sand Pit	1955	1026323
U	416m SE	Railway Building	1938	1117790
U	416m SE	Railway Building	1919	1117790
U	416m SE	Railway Building	1886	1102339
V	416m N	Unspecified Ground Workings	1919	1167893
U	416m SE	Railway Building	1901	1131562
U	416m SE	Railway Building	1885	1058295
U	416m S	Unspecified Works	1993	1138219
U	416m S	Unspecified Works	1980	1126353
U	416m S	Unspecified Works	1988	1138219
U	416m S	Unspecified Works	1974	1126353
U	417m S	Unspecified Foundry	1920	1149847
U	417m SE	Railway Building	1920	1131562
U	417m SE	Railway Building	1938	1131562
U	417m SE	Railway Building	1919	1131562
11	417m S	Unspecified Heaps	1885	1056248
U	417m SE	Railway Building	1955	1131562
U	417m SE	Unspecified Foundry	1919	1143209
U	418m S	Unspecified Foundry	1919	1138306
U	418m S	Unspecified Foundry	1955	1151546
U	418m S	Unspecified Foundry	1968	1153269
U	418m S	Unspecified Industrial/Commercial	1938	1024563
W	419m S	Unspecified Heap	1920	1099707
AK	419m E	Unspecified Works	1885	1033080
U	419m S	Unspecified Ground Workings	1886	1019292
AB	419m NW	Unspecified Ground Workings	1938	1106836

ID	Location	Land Use	Date	Group ID
AB	419m NW	Unspecified Ground Workings	1920	1106836
AB	419m NW	Unspecified Ground Workings	1919	1106836
U	420m SE	Railway Building	1885	1048539
V	421m N	Unspecified Shaft	1938	1095108
V	421m N	Old Trial Shaft	1901	1010898
V	421m N	Unspecified Shaft	1919	1141321
L	421m NE	Cuttings	1938	1177110
L	421m NE	Cuttings	1920	1056665
L	421m NE	Cuttings	1919	1056665
AF	422m SW	Cuttings	1938	1056867
AF	422m SW	Cuttings	1920	1056867
AH	422m SW	Unspecified Ground Workings	1938	1137662
AL	423m E	Police Station	1955	1148291
AL	424m E	Police Station	1968	1059986
AL	424m E	Police Station	1974	1059986
AL	424m E	Police Station	1993	1091512
AL	424m E	Police Station	1980	1059986
AL	424m E	Police Station	1988	1091512
V	425m N	Unspecified Tank	1919	1046216
AF	428m SW	Cuttings	1955	1091835
AH	431m SW	Unspecified Ground Workings	1920	1130207
U	432m SE	Railway Building	1885	1048808
V	432m N	Brick Works	1919	1143892
L	432m NE	Cuttings	1955	1164849
V	433m NW	Cuttings	1938	1069888
V	433m NW	Cuttings	1919	1101947
V	434m NW	Cuttings	1955	1159686
V	434m N	Brick Works	1938	1163690

ID	Location	Land Use	Date	Group ID
V	436m N	Brick Works	1955	1145472
V	436m N	Unspecified Pit	1955	1029552
AM	437m NW	Disused Colliery	1920	1139649
AM	437m NW	Disused Colliery	1919	1137635
AM	437m NW	Disused Colliery	1938	1139649
AC	438m W	Unspecified Works	1974	1073855
AC	438m W	Unspecified Works	1980	1073855
AC	438m W	Unspecified Works	1988	1084043
V	438m NW	Unspecified Ground Workings	1938	1160490
V	438m NW	Unspecified Ground Workings	1920	1160490
V	438m NW	Unspecified Ground Workings	1919	1160490
U	441m SE	Unspecified Works	1993	1078205
AM	441m NW	Colliery	1901	1042252
AM	442m NW	Disused Colliery	1919	1054790
AF	444m SW	Cuttings	1938	1132020
AF	444m SW	Cuttings	1920	1132020
AK	444m E	Unspecified Tanks	1885	1160838
AD	445m SW	Unspecified Ground Workings	1955	1099712
AK	445m E	Unspecified Tanks	1885	1160838
V	446m N	Unspecified Ground Workings	1919	1165490
U	447m SE	Unspecified Ground Workings	1886	1019293
AB	449m W	Unspecified Heap	1980	1054204
AB	449m W	Unspecified Heap	1974	1099003
U	450m SE	Unspecified Depot	1974	1022854
AB	452m W	Unspecified Heap	1988	1111956
V	455m N	Unspecified Works	1993	1154783
V	455m N	Unspecified Works	1980	1167523
V	455m N	Unspecified Works	1988	1154783

ID	Location	Land Use	Date	Group ID
AD	456m SW	Unspecified Heap	1919	1089271
V	460m N	Unspecified Heap	1885	1168648
V	460m N	Unspecified Heap	1886	1168648
AF	460m SW	Cuttings	1955	1121980
AC	462m W	Unspecified Ground Workings	1938	1101197
AC	462m W	Unspecified Ground Workings	1919	1167459
AN	463m SE	Railway Buildings	1885	1014250
AO	464m NE	Railway Sidings	1921	1081311
AC	464m W	Unspecified Works	1968	1111550
AD	466m SW	Unspecified Heap	1920	1087567
AD	467m SW	Unspecified Heap	1938	1087567
AO	467m NE	Railway Sidings	1901	1065226
AP	470m S	Unspecified Works	1919	1149170
AO	471m NE	Railway Sidings	1920	1081311
AP	471m S	Unspecified Works	1938	1132932
AP	471m S	Unspecified Works	1919	1149170
AQ	471m S	Unspecified Heap	1968	1162315
AP	472m S	Unspecified Works	1920	1106599
AP	472m S	Unspecified Works	1938	1106599
AO	472m NE	Railway Sidings	1938	1107284
AP	473m S	Unspecified Works	1955	1147071
AP	473m S	Unspecified Works	1968	1150955
AP	473m S	Unspecified Works	1974	1148195
AC	475m W	Unspecified Ground Workings	1901	1125171
AN	475m SE	Railway Station	1885	1061587
AP	476m S	Unspecified Heap	1919	1174545
AP	476m S	Unspecified Heap	1901	1120600
AR	477m W	Unspecified Heap	1919	1122291

ID	Location	Land Use	Date	Group ID
AR	477m W	Unspecified Heap	1886	1130828
U	477m SE	Unspecified Ground Workings	1901	1019798
L	477m NE	Railway Sidings	1885	1113577
AR	478m W	Unspecified Heap	1919	1119270
V	478m N	Unspecified Old Shafts	1885	1063045
V	478m N	Unspecified Old Shafts	1886	1063045
AN	478m SE	Railway Station	1955	1120109
AN	479m SE	Railway Station	1938	1174588
AN	479m SE	Railway Station	1919	1174588
AN	479m SE	Railway Station	1886	1165959
AP	479m S	Unspecified Heap	1938	1066897
V	480m N	Old Coal Shafts	1901	1035249
AQ	480m S	Unspecified Heap	1885	1104821
AP	480m S	Unspecified Heap	1938	1151166
AP	480m S	Unspecified Heap	1919	1064055
AN	481m SE	Railway Station	1920	1066417
AN	481m SE	Railway Station	1938	1079348
AN	481m SE	Railway Station	1919	1066417
AN	481m SE	Railway Station	1901	1066417
AP	481m S	Unspecified Heap	1920	1137357
L	481m NE	Unspecified Heap	1885	1171958
V	482m N	Gravel Pit	1955	1046886
U	482m SE	Unspecified Heaps	1886	1075347
V	482m N	Unspecified Works	1974	1173709
AD	482m SW	Unspecified Ground Workings	1920	1146692
AD	482m SW	Unspecified Ground Workings	1938	1089290
AD	482m SW	Unspecified Ground Workings	1919	1150107
AD	482m SW	Unspecified Ground Workings	1901	1092520

ID	Location	Land Use	Date	Group ID
AP	483m S	Unspecified Heap	1886	1126677
L	484m NE	Unspecified Heap	1885	1171958
AN	484m SE	Railway Station	1968	1168749
V	485m NW	Brick Works	1901	1067556
V	485m NW	Refuse Heap	1955	1013606
AR	487m W	Unspecified Heap	1920	1135866
U	487m S	Unspecified Heap	1920	1140915
U	489m SE	Unspecified Heap	1938	1140915
U	490m SE	Unspecified Heap	1938	1172520
U	490m SE	Unspecified Heap	1919	1142930
U	490m SE	Unspecified Heap	1919	1142930
AM	490m NW	Unspecified Heaps	1885	1149799
AM	490m NW	Unspecified Heaps	1886	1149799
AU	497m SE	Fire Station	1993	1054397
AU	497m SE	Fire Station	1980	1171058
AU	497m SE	Fire Station	1988	1054397
12	498m S	Old Tramway Sidings	1901	1038961
AM	498m NW	Unspecified Heap	1938	1115292
AM	498m NW	Unspecified Heap	1919	1126226
AM	498m NW	Unspecified Ground Workings	1901	1099255
AM	498m NW	Unspecified Ground Workings	1920	1145806

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m	**29**

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 32 >**

ID	Location	Land Use	Date	Group ID
A	**On site**	**Unspecified Tank**	**1975**	**156654**
I	147m E	Unspecified Tank	1970	175111
I	147m E	Unspecified Tank	1956	175111
I	147m E	Unspecified Tank	1965	175111
I	147m E	Unspecified Tank	1957	175111
G	183m SW	Unspecified Tank	1992	172240
G	183m SW	Unspecified Tank	1988	172240
G	257m SW	Unspecified Tank	1971	171225
G	257m SW	Unspecified Tank	1955	166224
G	258m SW	Unspecified Tank	1957	170958
W	340m S	Tanks	1992	171778
W	340m S	Tanks	1988	171778
U	384m SE	Tanks	1918	163973
W	397m S	Unspecified Tank	1992	164951
W	397m S	Unspecified Tank	1988	164951
AK	446m E	Tanks	1886	162742
U	452m S	Unspecified Tank	1975	156653
U	471m SE	Unspecified Tank	1975	174826
U	472m SE	Unspecified Tank	1979	174826
U	472m SE	Unspecified Tank	1979	174826
U	472m SE	Unspecified Tank	1991	174826
AC	476m W	Unspecified Tank	1992	174631
AC	476m W	Unspecified Tank	1975	174631
AC	492m W	Unspecified Tank	1979	173531
AC	492m W	Unspecified Tank	1991	173531
AC	492m W	Unspecified Tank	1983	173531
AN	498m SE	Unspecified Tank	1965	172105
AN	498m SE	Unspecified Tank	1957	172105

ID	Location	Land Use	Date	Group ID
AN	499m SE	Unspecified Tank	1956	172105

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m	**69**

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 32 >**

ID	Location	Land Use	Date	Group ID
C	41m N	Electricity Substation	1975	100398
C	41m N	Electricity Substation	1992	97726
C	43m N	Electricity Substation	1982	101820
C	43m N	Electricity Substation	1991	96512
B	84m E	Electricity Substation	1982	97840
B	84m E	Electricity Substation	1991	97840
B	85m E	Electricity Substation	1965	98518
B	85m E	Electricity Substation	1957	98518
B	86m E	Electricity Substation	1970	98518
B	86m E	Electricity Substation	1956	98518
D	95m E	Electricity Substation	1982	96117
D	95m E	Electricity Substation	1991	96117
H	136m SE	Electricity Substation	1975	100170
H	137m SE	Electricity Substation	1979	103307
H	137m SE	Electricity Substation	1979	103307
H	137m SE	Electricity Substation	1991	103307
G	210m SW	Electricity Substation	1992	98573
G	210m SW	Electricity Substation	1988	98573
G	210m SW	Electricity Substation	1971	98573

ID	Location	Land Use	Date	Group ID
R	285m E	Electricity Substation	1982	95958
R	285m E	Electricity Substation	1991	95958
R	286m E	Electricity Substation	1970	100580
L	289m NE	Electricity Substation	1982	94286
S	315m SE	Electricity Substation	1991	94287
S	341m SE	Electricity Substation	1965	99177
S	341m SE	Electricity Substation	1957	99177
S	342m SE	Electricity Substation	1956	99177
X	356m E	Electricity Substation	1982	103836
X	356m E	Electricity Substation	1965	97773
X	356m E	Electricity Substation	1957	97773
X	357m E	Electricity Substation	1970	97773
X	357m E	Electricity Substation	1956	97773
U	370m SE	Electricity Substation	1975	100297
U	371m SE	Electricity Substation	1956	104900
U	371m SE	Electricity Substation	1957	104900
U	371m SE	Electricity Substation	1979	100297
U	371m SE	Electricity Substation	1979	100297
U	371m SE	Electricity Substation	1991	100297
AE	372m SW	Electricity Substation	1992	98664
AE	372m SW	Electricity Substation	1988	98664
X	383m E	Electricity Substation	1970	104219
X	383m E	Electricity Substation	1956	98028
X	383m E	Electricity Substation	1982	104219
X	383m E	Electricity Substation	1991	104219
Y	409m W	Electricity Substation	1975	100850
Y	410m W	Electricity Substation	1992	100850
U	424m S	Electricity Substation	1956	94285

ID	Location	Land Use	Date	Group ID
U	425m S	Electricity Substations	1957	95077
AN	455m SE	Electricity Substation	1965	102732
AN	455m SE	Electricity Substation	1957	102732
AN	456m SE	Electricity Substation	1975	104469
AN	456m SE	Electricity Substation	1956	102732
AN	465m SE	Electricity Substation	1979	99972
AN	465m SE	Electricity Substation	1979	99972
AN	465m SE	Electricity Substation	1991	99972
U	471m S	Electricity Substation	1991	94288
AS	477m N	Electricity Substation	1992	96636
AS	478m N	Electricity Substation	1974	96636
AS	479m N	Electricity Substation	1979	96636
AS	479m N	Electricity Substation	1989	96636
AT	495m NE	Electricity Substation	1982	99226
AT	495m NE	Electricity Substation	1991	99226
AT	496m NE	Electricity Substation	1970	99226
AT	496m NE	Electricity Substation	1956	101302
U	496m SE	Electricity Substation	1975	101789
AT	496m NE	Electricity Substation	1957	96570
U	496m SE	Electricity Substation	1979	101789
U	496m SE	Electricity Substation	1979	101789
U	500m SE	Electricity Substation	1991	94289

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	**27**

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'.

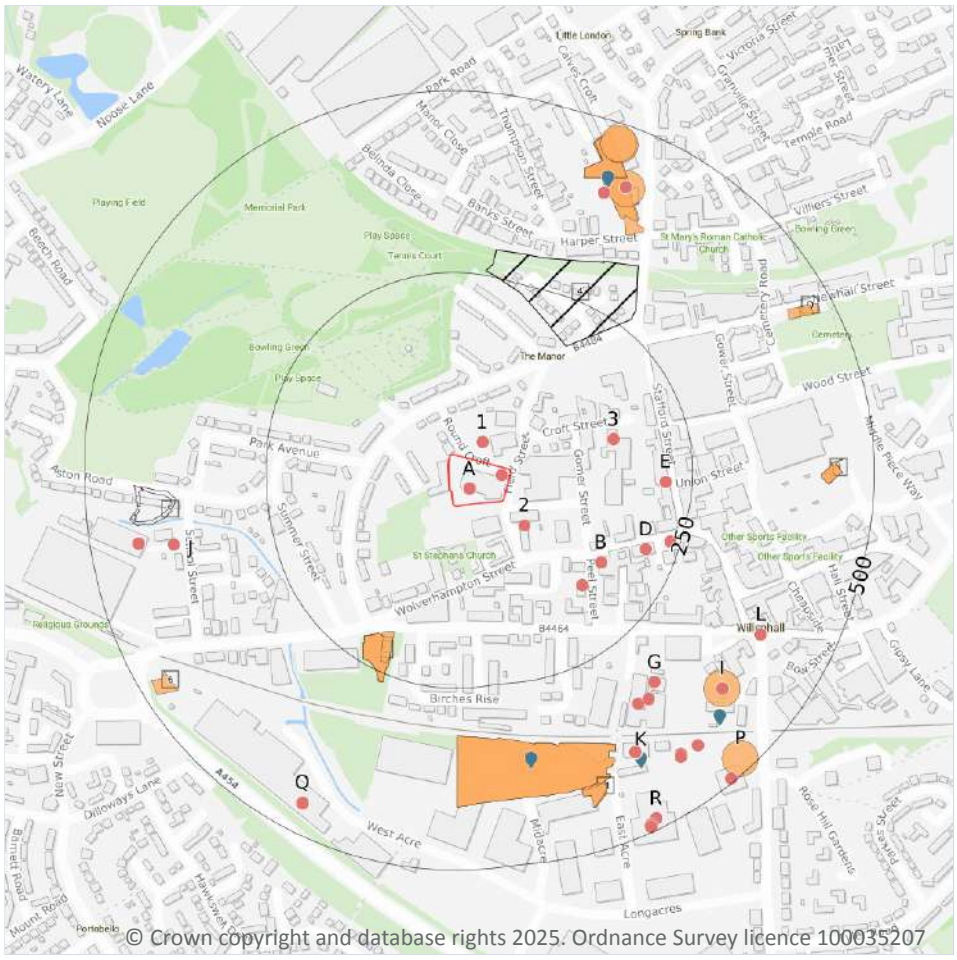
Features are displayed on the Past land use - un-grouped map on **page 32 >**

ID	Location	Land Use	Date	Group ID
F	120m S	Garage	1971	32939
F	120m S	Garage	1955	34908
F	120m S	Garage	1992	33321
F	121m S	Garage	1988	33689
F	145m S	Garage	1957	33351
N	222m SW	Garage	1992	35380
N	247m SW	Garage	1988	35380
L	264m NE	Garage	1982	34566
L	265m NE	Garage	1991	34566
L	280m NE	Garage	1970	31713
S	290m SE	Garage	1975	32311
P	301m NE	Garage	1965	34140
P	301m NE	Garage	1957	34140
P	302m NE	Garage	1956	35312
P	303m NE	Garage	1965	33934
P	303m NE	Garage	1957	33934
P	303m NE	Garage	1956	33934
S	311m SE	Garage	1965	32435
S	311m SE	Garage	1957	32435
S	311m SE	Garage	1956	32033
L	317m NE	Garage	1956	35025

ID	Location	Land Use	Date	Group ID
L	317m NE	Garage	1965	33800
L	317m NE	Garage	1957	33800
AL	457m E	Garage	1956	31615
AL	459m E	Garage	1972	31539
AL	459m E	Garage	1965	33811
AL	459m E	Garage	1957	33811

This data is sourced from Ordnance Survey / Groundsure.

3 Waste and landfill



3.1 Active or recent landfill

Records within 500m	0

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

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

3.2 Historical landfill (BGS records)

Records within 500m	0

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

This data is sourced from the British Geological Survey.

3.3 Historical landfill (LA/mapping records)

Records within 500m	1

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

Features are displayed on the Waste and landfill map on **page 55 >**

ID	Location	Site address	Source	Data type
5	377m W	Refuse Tip	1887 mapping	Polygon

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

3.4 Historical landfill (EA/NRW records)

Records within 500m	1

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 55 >**

ID	Location	Details		
4	186m NE	Site Address: Stafford Street Landfill Site, Field Street, Willenhall, West Midlands Licence Holder Address: -	Waste Licence: Yes Site Reference: SL/603, 644/943 Waste Type: Inert, Industrial Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 05/03/1989 Licence Surrender: 31/12/1990	Operator: - Licence Holder: Foundry Services (West Midlands) Limited First Recorded 31/05/1989 Last Recorded: 31/12/1990

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

3.5 Historical waste sites

Records within 500m	26

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 55 >**

ID	Location	Address	Further Details	Date
C	191m SW	Site Address: N/A	Type of Site: Scrap Metal Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1971
C	200m SW	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	203m SW	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
F	315m S	Site Address: N/A	Type of Site: Scrap Metal Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1956
F	316m S	Site Address: N/A	Type of Site: Scrap Metal Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1957
F	316m S	Site Address: N/A	Type of Site: Scrap Metal Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1965
H	360m 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
I	372m SE	Site Address: Land off, Waterglade Lane, Willenhall, West Midlands, WV13 2BA	Type of Site: Waste Transfer Station Planning application reference: 15/1185 Description: Scheme comprises construction of waste transfer station with ancillary works. The associated works include sewer systems, landscaping, infrastructure, enabling works, cable laying and access roads. Data source: Historic Planning Application Data Type: Point	-

ID	Location	Address	Further Details	Date
H	378m 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	1982
H	393m NE	Site Address: W H Marren Limited, Temple Bar, Willenhall, West Midlands, WV13 1SD	Type of Site: Metal Recycling Facility (Extension) Planning application reference: 14/0425/WA Description: Scheme comprises construction of single storey extension and over-roofing to metal reclamation premises and demolish buildings. The associated works include sewer systems, landscaping, infrastructure and enabling works. Data source: Historic Planning Application Data Type: Point	-
M	410m S	Site Address: N/A	Type of Site: Scrap Metal Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1979
M	410m S	Site Address: N/A	Type of Site: Scrap Metal Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1979
M	412m S	Site Address: N/A	Type of Site: Scrap Metal Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1975
H	413m N	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
H	413m N	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1974
H	414m N	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1979

ID	Location	Address	Further Details	Date
H	414m N	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
N	427m E	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1979
N	427m E	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
N	427m E	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1972
O	436m 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	1982
H	446m N	Site Address: R k Transport, 12 - 18 Temple Bar, Willenhall, West Midlands, WV13 1SD	Type of Site: Warehouse/Scrap Yard (Conversion/Extension) Planning application reference: 21/1544 Description: Scheme comprises construction of a single storey extension to existing workshop, construction of metal posts to the west boundary and demolition of existing commercial building. Change of use to facilitate the expansion of existing haulage operations into area previously used as a scrapyard (prow will55 to be relocated to run along the site boundary and enter the highway on harper street to the south). Data source: Historic Planning Application Data Type: Point	22/10/2021

ID	Location	Address	Further Details	Date
H	447m N	Site Address: W H Marren Limited, Temple Bar, Willenhall, West Midlands, WV13 1SD	Type of Site: Recycling Facility (Conversion/Extension) Planning application reference: 15/0690/CM Description: Scheme comprises change of use, extension and re-roofing of jackdaw works building as an extension to the use for sorting, cutting and storing scrap metal, revised access to the site, demolition of buildings within the yard and diversion of calves croftpublic right to way. Data source: Historic Planning Application Data Type: Point	-
O	452m NE	Site Address: N/A	Type of Site: Scrap Works Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1970
6	456m SW	Site Address: N/A	Type of Site: Scrap Metal Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1971
P	457m SE	Site Address: Middleton Paper Ltd, 1 Rosehill, Willenhall, West Midlands, WV13 2AR	Type of Site: Paper/Plastic Recycling & Reclamation Facility (Extension/Alterations) Planning application reference: 19/0176 Description: Scheme comprises planning application for minor building works and operations associated with existing paper and plastic recycling and reclamation facility (B2 use) including installation of weigh bridge, vehicle barrier, site layout and hours of operation. Site affecting the public rights way will102. Data source: Historic Planning Application Data Type: Point	28/02/2019

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

3.6 Licensed waste sites

Records within 500m	**5**

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

Features are displayed on the Waste and landfill map on **page 55 >**

ID	Location	Details		
F	358m S	Site Name: Triple R Solutions Ltd Site Address: Rose Hill, Willenhall, West Midlands, WV13 2AP Correspondence Address: -	Type of Site: 75kte WEEE Treatment Facility Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: TRI027 EPR reference: EA/EPR/GP3394SM/A001 Operator: Triple R Solutions Ltd Waste Management licence No: 101502 Annual Tonnage: 74999	Issue Date: 11/06/2010 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
K	404m SE	Site Name: Triple R Solutions Ltd Site Address: Rose Hill, Willenhall, WILLENHALL, West Midlands, WV13 2AR Correspondence Address: -	Type of Site: 75kte WEEE Treatment Facility Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 631650 EPR reference: EA/EPR/GP3394SM Operator: Triple R Solutions Limited Waste Management licence No: 101502 Annual Tonnage: 74999	Issue Date: 11/06/2010 Effective Date: 11/06/2010 Modified: - Surrendered Date: 11/06/2010 Expiry Date: - Cancelled Date: - Status: Surrendered
H	421m N	Site Name: W H Marren Ltd Site Address: Temple Bar, Willenhall, Walsall, West Midlands, WV13 1SD Correspondence Address: -	Type of Site: Metal Recycling Site (mixed MRS's) Size: Unknown Environmental Permitting Regulations (Waste) Licence Number: 642094 EPR reference: EA/EPR/AP3196FT Operator: W H Marren Limited Waste Management licence No: 42186 Annual Tonnage: 0	Issue Date: 10/12/1991 Effective Date: 10/12/1991 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Expired
H	421m N	Site Name: W H Marren Ltd Site Address: Temple Bar, Willenhall, Walsall, West Midlands, WV13 1SD Correspondence Address: -	Type of Site: Metal Recycling Site (mixed MRS's) Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 636323 EPR reference: EA/EPR/AP3196FT Operator: W H Marren Limited Waste Management licence No: 42186 Annual Tonnage: 75000	Issue Date: 10/12/1991 Effective Date: 10/12/1991 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued

ID	Location	Details		
I	422m SE	Site Name: Motox 1911 Ltd Site Address: Waterglade Lane, Willenhall, West Midlands, WV13 2BA Correspondence Address: -	Type of Site: Vehicle Depollution Facility Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 629085 EPR reference: EA/EPR/FB3405LF Operator: Motox 1911 Limited Waste Management licence No: 404235 Annual Tonnage: 0	Issue Date: 31/10/2017 Effective Date: 31/10/2017 Modified: - Surrendered Date: 31/10/2017 Expiry Date: - Cancelled Date: - Status: Surrendered

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

3.7 Waste exemptions

Records within 500m	**71**

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 55 >**

ID	Location	Site	Reference	Category	Sub-Category	Description
A	**On site**	**-**	**WEX412313**	**Treating waste exemption**	**Not on a farm**	**Recovery of scrap metal**
A	**On site**	**-**	**WEX414676**	**Storing waste exemption**	**Not on a farm**	**Storage of waste in a secure place**
A	**On site**	**-**	**WEX414676**	**Treating waste exemption**	**Not on a farm**	**Manual treatment of waste**
A	**On site**	**-**	**WEX414676**	**Treating waste exemption**	**Not on a farm**	**Recovery of scrap metal**
A	**On site**	**Unit 1-3, Roundcroft, Willenhall, Wv13 2pn**	**WEX257660**	**Treating waste exemption**	**Not on a farm**	**Preparatory treatments (baling, sorting, shredding etc)**
A	**On site**	**Unit 1-3, Roundcroft, Willenhall, Wv13 2pn**	**WEX257660**	**Storing waste exemption**	**Not on a farm**	**Storage of waste in secure containers**
A	**On site**	**Unit 1-3, Roundcroft, Willenhall, Wv13 2pn**	**WEX257660**	**Storing waste exemption**	**Not on a farm**	**Storage of waste in a secure place**
A	**On site**	**Unit 1-3, Roundcroft, Willenhall, Wv13 2pn**	**WEX257660**	**Treating waste exemption**	**Not on a farm**	**Recovery of scrap metal**

ID	Location	Site	Reference	Category	Sub-Category	Description
A	**On site**	**Unit 1-3, Roundcroft, Willenhall, Wv13 2pn**	**WEX291920**	**Storing waste exemption**	**Not on a farm**	**Storage of waste in a secure place**
1	26m N	Travis Perkins Unit 1 & 3 Planetary Industrial Estate Willenhall Wv13 3sz	EPR/CF0904HW/A001	Treating waste exemption	Non-agricultural waste only	Crushing waste fluorescent tubes
2	45m SE	-	WEX282972	Storing waste exemption	Not on a farm	Storage of waste in a secure place
3	147m E	40 Croft Street Willenhall West Midlands Wv13 2dr	EPR/MH0371JJ/A001	Treating waste exemption	Non-agricultural waste only	Sorting and de-naturing of controlled drugs for disposal
B	159m SE	Unit 1b, Finishing House, Peel Street, Willenhall, West Midlands, Wv13 2bz	EA/EPR/VP3987UN/A001	Treating waste exemption	Not on a farm	Repair or refurbishment of WEEE
B	159m SE	Peel Street, Willenhall, Wv13 2bz	EXP/VP3987UN	Treating waste exemption	Not on a farm	Repair or refurbishment of WEEE
B	160m SE	Unit 1b Finishing House, Willenhall, Wv13 2bz	EXP/SP3947YF	Treating waste exemption	Not on a farm	Repair or refurbishment of WEEE
D	207m E	61 Wolverhampton Street Willenhall West Midlands Wv13 2nf	EPR/BF0830CM/A001	Treating waste exemption	Non-agricultural waste only	Sorting and de-naturing of controlled drugs for disposal
D	207m E	61 Wolverhampton Street Willenhall West Midlands Wv13 2nf	EPR/SH0971JV/A001	Treating waste exemption	Non-agricultural waste only	Sorting and de-naturing of controlled drugs for disposal
E	213m E	82, Stafford Street, Willenhall, Wv13 1rt	WEX240756	Storing waste exemption	Not on a farm	Storage of waste in a secure place
E	213m E	82, Stafford Street, Willenhall, Wv13 1rt	WEX240756	Storing waste exemption	Not on a farm	Storage of waste in secure containers
E	213m E	82, Stafford Street, Willenhall, Wv13 1rt	WEX240756	Treating waste exemption	Not on a farm	Recovery of scrap metal
E	213m E	82, Stafford Street, Willenhall, Wv13 1rt	WEX240756	Treating waste exemption	Not on a farm	Sorting mixed waste
D	235m E	61, Wolverhampton Street, Willenhall, Wv13 2nf	WEX210923	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
D	235m E	61, Wolverhampton Street, Willenhall, Wv13 2nf	WEX060622	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal

ID	Location	Site	Reference	Category	Sub-Category	Description
D	235m E	61, Wolverhampton Street, Willenhall, Wv13 2nf	WEX335042	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
G	326m SE	C L Refurbishments, Meadowdale Works, Dimminsdale, Willenhall, Wv13 2be	EA/EPR/VP3888KM/A001	Treating waste exemption	Not on a farm	Repair or refurbishment of WEEE
G	336m SE	Meadow Dale Works, Dimminsdale, Willenhall, West Midlands, Wv13 2be	EA/EPR/VP3783LW/A001	Treating waste exemption	Non-agricultural waste only	Repair or refurbishment of WEEE
G	339m SE	Meadowdale Works Dimminsdale Willenhall West Midlands Wv13 2be	EPR/HE5142BL/A001	Storing waste exemption	Both agricultural and non-agricultural waste	Storage of waste in a secure place
J	387m W	Portebello Works School Street Willenhall West Midlands Wv13 3pw	EPR/UF0207GS/A001	Treating waste exemption	Non-agricultural waste only	Preparatory treatments (baling, sorting, shredding etc)
K	391m SE	Rosehill, Willenhall, Wv13 2ar	WEX208720	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
K	391m SE	Rosehill, Willenhall, Wv13 2ar	WEX208720	Storing waste exemption	Not on a farm	Storage of waste in secure containers
K	391m SE	Rosehill, Willenhall, Wv13 2ar	WEX208720	Storing waste exemption	Not on a farm	Storage of waste in a secure place
K	391m SE	Rosehill, Willenhall, Wv13 2ar	WEX063350	Storing waste exemption	Not on a farm	Storage of waste in secure containers
K	391m SE	Rosehill, Willenhall, Wv13 2ar	WEX063350	Storing waste exemption	Not on a farm	Storage of waste in a secure place
K	391m SE	Rosehill, Willenhall, Wv13 2ar	WEX063350	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
K	391m SE	Rosehill, Willenhall, Wv13 2ar	WEX063350	Treating waste exemption	Not on a farm	Sorting mixed waste
K	391m SE	Rosehill, Willenhall, Wv13 2ar	WEX063350	Treating waste exemption	Not on a farm	Recovery of scrap metal
K	391m SE	Rosehill, Willenhall, Wv13 2ar	WEX208720	Treating waste exemption	Not on a farm	Recovery of scrap metal
K	391m SE	Rosehill, Willenhall, Wv13 2ar	WEX208720	Treating waste exemption	Not on a farm	Sorting mixed waste

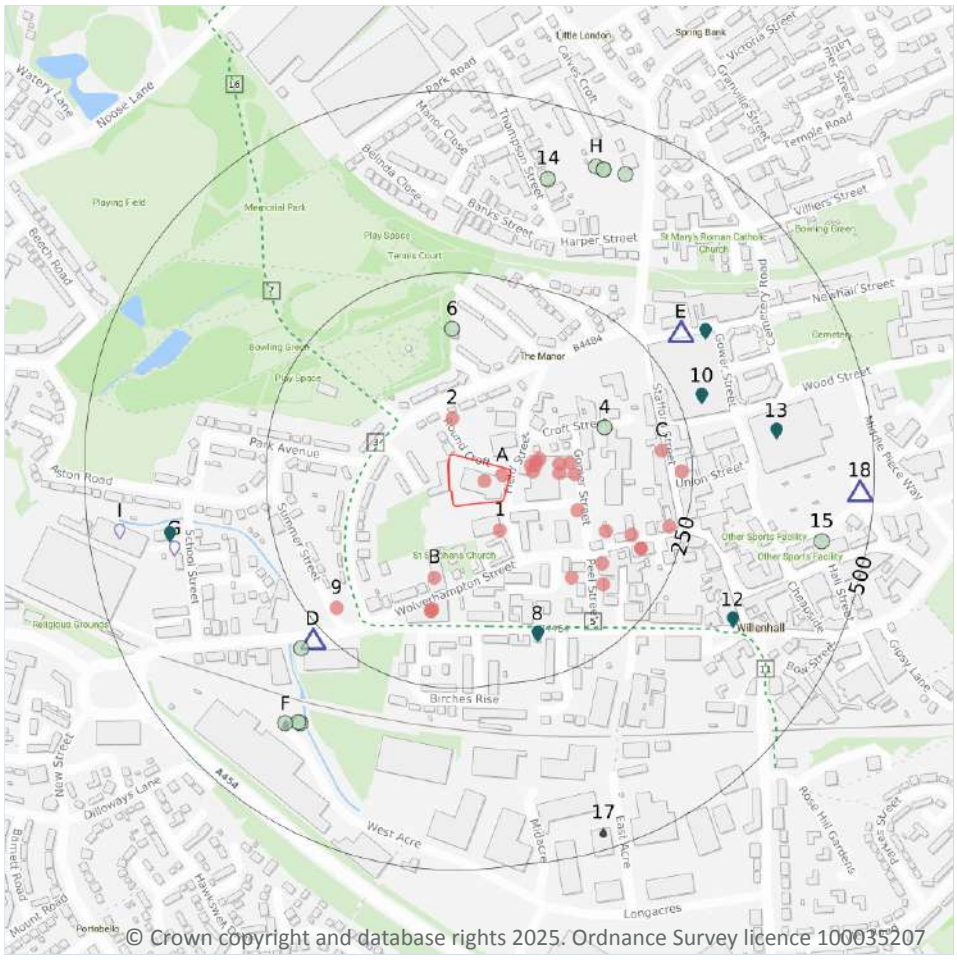
ID	Location	Site	Reference	Category	Sub-Category	Description
I	397m SE	-	WEX428846	Disposing of waste exemption	Not on a farm	Disposal by incineration
I	397m SE	-	WEX299338	Disposing of waste exemption	Not on a farm	Disposal by incineration
L	399m SE	-	WEX377724	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
L	399m SE	-	WEX415958	Treating waste exemption	Not on a farm	Recovery of scrap metal
L	399m SE	-	WEX415973	Treating waste exemption	Not on a farm	Recovery of scrap metal
H	402m N	Temple Bar, Willenhall, Wv13 1sd	WEX062864	Storing waste exemption	Not on a farm	Storage of waste in secure containers
H	402m N	Temple Bar, Willenhall, Wv13 1sd	WEX062864	Storing waste exemption	Not on a farm	Storage of waste in a secure place
H	402m N	Temple Bar, Willenhall, Wv13 1sd	WEX062864	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
H	402m N	Temple Bar, Willenhall, Wv13 1sd	WEX062864	Treating waste exemption	Not on a farm	Sorting mixed waste
H	402m N	Temple Bar, Willenhall, Wv13 1sd	WEX062864	Treating waste exemption	Not on a farm	Recovery of scrap metal
H	420m NE	Oak Villa Temple Bar Willenhall West Midlands Wv13 1sd	EPR/TE5281ZR /A001	Storing waste exemption	Non-agricultural waste only	Storage of waste in secure containers
H	420m NE	Oak Villa Temple Bar Willenhall West Midlands Wv13 1sd	EPR/TE5281ZR /A001	Storing waste exemption	Non-agricultural waste only	Storage of waste in a secure place
H	420m NE	Oak Villa Temple Bar Willenhall West Midlands Wv13 1sd	EPR/TE5281ZR /A001	Treating waste exemption	Non-agricultural waste only	Preparatory treatments (baling, sorting, shredding etc)
H	420m NE	Oak Villa Temple Bar Willenhall West Midlands Wv13 1sd	EPR/TE5281ZR /A001	Treating waste exemption	Non-agricultural waste only	Sorting mixed waste
H	420m NE	Oak Villa Temple Bar Willenhall West Midlands Wv13 1sd	EPR/TE5281ZR /A001	Treating waste exemption	Non-agricultural waste only	Recovery of scrap metal

ID	Location	Site	Reference	Category	Sub-Category	Description
I	426m SE	Rosehill Willenhall West Midlands Wv132ap	EPR/KF0335FV/A001	Treating waste exemption	Non-agricultural waste only	Preparatory treatments (baling, sorting, shredding etc)
I	429m SE	Triple R Solutions Rose Hill Willenhall West Midlands Wv13 2ap	EPR/ZF0734WX/A001	Treating waste exemption	Non-agricultural waste only	Recovery of scrap metal
I	431m SE	Triple R Solutions Rose Hill Willenhall West Midlands Wv13 2ap	EPR/DF0506HN/A001	Storing waste exemption	Non-agricultural waste only	Storage of waste in a secure place
I	431m SE	Triple R Solutions Rose Hill Willenhall West Midlands Wv13 2ap	EPR/DF0506HN/A001	Treating waste exemption	Non-agricultural waste only	Manual treatment of waste
J	435m W	Portebello Works, School Street, Willenhall, Wv13 3pw	WEX129655	Storing waste exemption	Not on a farm	Storage of waste in secure containers
J	435m W	Portebello Works, School Street, Willenhall, Wv13 3pw	WEX129655	Storing waste exemption	Not on a farm	Storage of waste in a secure place
J	435m W	Portebello Works, School Street, Willenhall, Wv13 3pw	WEX129655	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
Q	459m SW	A.f.blakemore & Son Ltd, Long Acres Ind Est, Rosehill, Willenhall, Wv13 2jp	WEX184396	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
Q	459m SW	A.f.blakemore & Son Ltd, Long Acres Ind Est, Rosehill, Willenhall, Wv13 2jp	WEX184396	Treating waste exemption	Not on a farm	Recovery of scrap metal
Q	459m SW	A F Blakemore & Son Ltd, Long Acres Industrial Eastate, Willenhall, Wv13 2jp	WEX296297	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
Q	460m SW	Long Acres Ind Est Rosehill Willenhall West Midlands Wv13 2jp	EPR/JH0075LQ/A001	Treating waste exemption	Non-agricultural waste only	Recovery of scrap metal
Q	460m SW	Long Acres Ind Est Rosehill Willenhall West Midlands Wv13 2jp	EPR/JH0075LQ/A001	Treating waste exemption	Non-agricultural waste only	Preparatory treatments (baling, sorting, shredding etc)
R	485m SE	-	WEX380441	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)

ID	Location	Site	Reference	Category	Sub-Category	Description
R	485m SE	-	WEX380441	Treating waste exemption	Not on a farm	Sorting mixed waste
R	490m SE	Unit H3 Eastacre Willenhall West Midlands Wv13 2jz	EPR/ZF0935VF/A001	Treating waste exemption	Non-agricultural waste only	Preparatory treatments (baling, sorting, shredding etc)
R	492m SE	Unit H3 Eastacre Willenhall West Midlands Wv13 2jz	EPR/JE5742XE/A001	Treating waste exemption	Non-agricultural waste only	Preparatory treatments (baling, sorting, shredding etc)
R	493m SE	Middleton Paper Company Limited, Rose Hill Business Park, East Acre, Willenhall, Wv13 2jz	WEX109568	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
P	495m SE	-	WEX265011	Treating waste exemption	Not on a farm	Recovery of scrap metal

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	29

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on **page 68 >**

ID	Location	Company	Address	Activity	Category
A	**On site**	**A & M Ductwork Ltd**	**Field Street, Willenhall, West Midlands, WV13 2NY**	**Cooling and Refrigeration**	**Industrial Products**
A	**On site**	**Works**	**West Midlands, WV13**	**Unspecified Works Or Factories**	**Industrial Features**

ID	Location	Company	Address	Activity	Category
A	29m E	Works	West Midlands, WV13	Unspecified Works Or Factories	Industrial Features
A	30m E	Works	West Midlands, WV13	Unspecified Works Or Factories	Industrial Features
A	35m E	A & J Tyre Services Ltd	Field Street, Willenhall, West Midlands, WV13 2NX	Vehicle Parts and Accessories	Motoring
A	38m E	Works	West Midlands, WV13	Unspecified Works Or Factories	Industrial Features
1	39m S	Infalabel Ltd	Infalabel House 54, Field Street, Willenhall, West Midlands, WV13 2NY	Stationery, Stamps, Tags and Labels	Industrial Products
A	43m E	Bloxwich Environmental Services	Unit C, Field Street, Willenhall, West Midlands, WV13 2NX	Recycling, Reclamation and Disposal	Recycling Services
2	50m N	Electricity Sub Station	West Midlands, WV13	Electrical Features	Infrastructure and Facilities
A	67m E	Works	West Midlands, WV13	Unspecified Works Or Factories	Industrial Features
A	68m E	Works	West Midlands, WV13	Unspecified Works Or Factories	Industrial Features
A	82m E	T S C N C Ltd	Units 1 and 7 Gomer Works, Gomer Street, Willenhall, West Midlands, WV13 2NS	Precision Engineers	Engineering Services
A	87m E	Electricity Sub Station	West Midlands, WV13	Electrical Features	Infrastructure and Facilities
A	101m E	Electricity Sub Station	West Midlands, WV13	Electrical Features	Infrastructure and Facilities
B	102m S	Works	West Midlands, WV13	Unspecified Works Or Factories	Industrial Features
A	142m SE	Electricity Sub Station	West Midlands, WV13	Electrical Features	Infrastructure and Facilities
B	144m S	The Garage Willenhall	New Road, Willenhall, West Midlands, WV13 2DA	Vehicle Repair, Testing and Servicing	Repair and Servicing
B	147m S	Willenhall Auto Service Ltd	Bsc Building 62, New Road, Willenhall, West Midlands, WV13 2DA	Vehicle Repair, Testing and Servicing	Repair and Servicing
B	148m S	etyres	New Road, Willenhall, West Midlands, WV13 2AQ	Vehicle Parts and Accessories	Motoring

ID	Location	Company	Address	Activity	Category
A	148m E	Works	West Midlands, WV13	Unspecified Works Or Factories	Industrial Features
A	162m SE	Q Plastics	Finishing House, Peel Street, Willenhall, West Midlands, WV13 2BZ	Rubber, Silicones and Plastics	Industrial Products
A	180m SE	Cars 4 U	13, Peel Street, Willenhall, West Midlands, WV13 2BZ	Secondhand Vehicles	Motoring
A	182m E	P B R Abrasives Ltd	8-10, Wolverhampton Street, Willenhall, West Midlands, WV13 2NF	Abrasive Products and Grinding Equipment	Industrial Products
A	200m E	M I Trophy	56, Wolverhampton Street, Willenhall, West Midlands, WV13 2NF	Medals, Trophies, Ceremonial and Religious Goods	Consumer Products
A	200m E	Three Peaks Logistics	56, Wolverhampton Street, Willenhall, West Midlands, WV13 2NF	Distribution and Haulage	Transport, Storage and Delivery
C	209m E	Flexiprints	77b, Stafford Street, Willenhall, West Midlands, WV13 1RT	Published Goods	Industrial Products
9	214m SW	Electricity Sub Station	West Midlands, WV13	Electrical Features	Infrastructure and Facilities
A	230m E	A B R S	1, Wolverhampton Street, Willenhall, West Midlands, WV13 2NF	Electrical Equipment Repair and Servicing	Repair and Servicing
C	235m E	Bloom Hearing Specialists	Visioncare Direct, 13, Stafford Street, Town Centre, Willenhall, West Midlands, WV13 1TG	Disability and Mobility Equipment	Consumer Products

This data is sourced from Ordnance Survey.

4.2 National Geographic Database (NGD) - Current or recent tanks

Records within 250m	**0**

Current or recent tanks identified from the Ordnance Survey NGD.

This data is sourced from Ordnance Survey.

4.3 Current or recent petrol stations

Records within 500m	3

Open, closed, under development and obsolete petrol stations.

Features are displayed on the Current industrial land use map on **page 68 >**

ID	Location	Company	Address	LPG	Status
D	268m SW	OBSOLETE	Somerford Place, Willenhall, Wolverhampton, West Midlands, WV13 3DT	Not Applicable	Obsolete
E	302m NE	UNBRANDED	Moat Street, Willenhall, West Midlands, WV13 1SZ	Not Applicable	Obsolete
18	480m E	MORRISONS	Middle Piece Way, Willenhall, West Midlands, WV13 1QG	No	Open

This data is sourced from Experian.

4.4 Electricity cables

Records within 500m	6

High voltage underground electricity transmission cables.

Features are displayed on the Current industrial land use map on **page 68 >**

ID	Location	Cable Set	Cable Route	Details	
3	85m NW	YYD017 - WILLENHALL CABLE SECTION 09	BUSHBURY - WILLENHALL	Cable Make: AEI 275KV OIL Cable Type: A/C Operating Voltage (kV): 275	Year of installation: 1968 Cable in tunnel? No
B	160m W	YYD017 - WILLENHALL CABLE SECTION 10	BUSHBURY - WILLENHALL	Cable Make: AEI 275KV OIL Cable Type: A/C Operating Voltage (kV): 275	Year of installation: 1968 Cable in tunnel? No
5	170m S	YYD017 - WILLENHALL CABLE SECTION 11	BUSHBURY - WILLENHALL	Cable Make: AEI 275KV OIL Cable Type: A/C Operating Voltage (kV): 275	Year of installation: 1968 Cable in tunnel? No
7	184m NW	YYD017 - WILLENHALL CABLE SECTION 08	BUSHBURY - WILLENHALL	Cable Make: AEI 275KV OIL Cable Type: A/C Operating Voltage (kV): 275	Year of installation: 1968 Cable in tunnel? No
11	319m SE	YYD017 - WILLENHALL CABLE SECTION 12	BUSHBURY - WILLENHALL	Cable Make: AEI 275KV OIL Cable Type: A/C Operating Voltage (kV): 275	Year of installation: 1968 Cable in tunnel? No

ID	Location	Cable Set	Cable Route	Details	
16	453m NW	YYD017 - WILLENHALL CABLE SECTION 07	BUSHBURY - WILLENHALL	Cable Make: AEI 275KV OIL Cable Type: A/C Operating Voltage (kV): 275	Year of installation: 1968 Cable in tunnel? No

This data is sourced from National Grid.

4.5 Gas pipelines

Records within 500m	0

High pressure underground gas transmission pipelines.

This data is sourced from National Grid.

4.6 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.

4.7 Control of Major Accident Hazards (COMAH)

Records within 500m	0

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

This data is sourced from the Health and Safety Executive.

4.8 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.

4.9 Hazardous substance storage/usage

Records within 500m	0

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

This data is sourced from Local Authority records.

4.10 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.

4.11 Licensed industrial activities (Part A(1))

Records within 500m	7

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 68 >**

ID	Location	Details	
G	387m W	Operator: Assa Abloy Limited Installation Name: Portobello Works Process: SURFACE TREATING METALS AND PLASTICS; ELECTROLYTIC/CHEMICAL >30 CU M Permit Number: MP3335XF Original Permit Number: VP3039PN	EPR Reference: - Issue Date: 03/02/2008 Effective Date: 03/02/2008 Last date noted as effective: 21/03/2023 Status: Superceded
G	387m W	Operator: Assa Abloy Limited Installation Name: Portobello Works Process: ASSOCIATED PROCESS Permit Number: KP3232KC Original Permit Number: VP3039PN	EPR Reference: - Issue Date: - Effective Date: 27/01/2010 Last date noted as effective: 21/03/2023 Status: Surrender Effective
G	387m W	Operator: Assa Abloy Limited Installation Name: Portobello Works Process: ASSOCIATED PROCESS Permit Number: MP3335XF Original Permit Number: VP3039PN	EPR Reference: - Issue Date: 03/02/2008 Effective Date: 03/02/2008 Last date noted as effective: 21/03/2023 Status: Superceded

ID	Location	Details	
G	387m W	Operator: Assa Abloy Limited Installation Name: Portobello Works Process: SURFACE TREATING METALS AND PLASTICS; ELECTROLYTIC/CHEMICAL >30 CU M Permit Number: KP3232KC Original Permit Number: VP3039PN	EPR Reference: - Issue Date: - Effective Date: 27/01/2010 Last date noted as effective: 21/03/2023 Status: Surrender Effective
I	457m W	Operator: Assa Abloy Limited Installation Name: Portobello Works Process: ASSOCIATED PROCESS Permit Number: QP3136MS Original Permit Number: VP3039PN	EPR Reference: - Issue Date: 31/03/2007 Effective Date: 31/03/2007 Last date noted as effective: 21/03/2023 Status: Superceded
I	457m W	Operator: Assa Abloy Limited Installation Name: Portobello Works Process: SURFACE TREATING METALS AND PLASTICS; ELECTROLYTIC/CHEMICAL >30 CU M Permit Number: QP3136MS Original Permit Number: VP3039PN	EPR Reference: - Issue Date: 31/03/2007 Effective Date: 31/03/2007 Last date noted as effective: 21/03/2023 Status: Superceded
I	457m W	Operator: Assa Abloy Limited Installation Name: Portobello Works Process: NON-FERROUS METALS; MELTING ZINC, ALUMINIUM OR MAGNESIUM AND ALLOYS WITH DIECASTING = 20T/DAY Permit Number: QP3136MS Original Permit Number: VP3039PN	EPR Reference: - Issue Date: 31/03/2007 Effective Date: 31/03/2007 Last date noted as effective: 21/03/2023 Status: Superceded

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

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

Records within 500m **6**

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 68 >**

ID	Location	Address	Details	
8	189m S	Triple R Solutions Limited, Rose Hill, Willenhall, West Midlands, WV13 2AP	Process: Recycling processes Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
10	282m E	B E Wedge Ltd, Stafford Street, Willenhall, Walsall, West Midlands, WV13 1RZ	Process: Surface Treatment of Metal Processes Status: Current Permit Permit Type: Part A2	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified

ID	Location	Address	Details	
E	329m NE	M D Adams Ltd, Century Wks, Moat St, WV13 1FZ	Process: Other Metal Processes Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
12	355m SE	Elegant Dry Cleaners, 4 Market Place, Willenhall, WV13 2AA	Process: Dry Cleaning Status: Revoked Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
13	369m E	C. E. Marshall Ltd, Wood Street, Willenhall, WV13 1LA	Process: Boiler & Furnace Processes Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
G	389m W	Assa Abloy, School Street, Willenhall, West Midlands, WV13 3PW	Process: Chemical & Acid Processes Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified

This data is sourced from Local Authority records.

4.13 Radioactive Substance Authorisations

Records within 500m	**0**

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

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

4.14 Licensed Discharges to controlled waters

Records within 500m	**3**

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 68 >**

ID	Location	Address	Details	
F	380m SW	PORTOBELLODILLOWAYSWAITERD CSO,JCTOFDOLLOWAYSLANEWAITE ROAD,WILLENHALL,WESTMIDLAND S,WV133HJ	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: TSC631 Permit Version: 3 Receiving Water: RIVER TAME	Status: VARIED UNDER EPR 2010 Issue date: 04/09/2020 Effective Date: 04/09/2020 Revocation Date: -

ID	Location	Address	Details	
F	380m SW	PORTOBELLODILLOWAYSWAITERD CSO,JCTOFDOLLOWAYSLANEWAITE ROAD,WILLENHALL,WESTMIDLAND S,WV133HJ	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: TSC631 Permit Version: 2 Receiving Water: RIVER TAME	Status: VARIED UNDER EPR 2010 Issue date: 18/05/2016 Effective Date: 18/05/2016 Revocation Date: 03/09/2020
17	477m S	LONGACRES,INDUSTRIALESTATE,IN WILLENHALL	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: T/08/00716/O Permit Version: 1 Receiving Water: RIVER TAME	Status: REVOKED (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 13/01/1960 Effective Date: 13/01/1960 Revocation Date: 27/03/2000

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

4.15 Pollutant release to surface waters (Red List)

Records within 500m	0

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

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

4.16 Pollutant release to public sewer

Records within 500m	0

Discharges of Special Category Effluents to the public sewer.

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

4.17 List 1 Dangerous Substances

Records within 500m	0

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

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

4.18 List 2 Dangerous Substances

Records within 500m	0

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

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

4.19 Pollution Incidents (EA/NRW)

Records within 500m	12

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 68 >**

ID	Location	Details	
4	143m NE	Incident Date: 11/11/2001 Incident Identification: 42253 Pollutant: Oils and Fuel Pollutant Description: Lubricating Oils	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
6	172m N	Incident Date: 24/08/2002 Incident Identification: 102897 Pollutant: Oils and Fuel Pollutant Description: Hydraulic Oils	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
D	287m SW	Incident Date: 23/05/2002 Incident Identification: 80823 Pollutant: Contaminated Water Pollutant Description: Firefighting Run-Off	Water Impact: Category 3 (Minor) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
F	366m SW	Incident Date: 09/01/2003 Incident Identification: 130079 Pollutant: Organic Chemicals/Products Pollutant Description: Surfactants and Detergents	Water Impact: Category 2 (Significant) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
F	367m SW	Incident Date: 22/08/2001 Incident Identification: 26228 Pollutant: Oils and Fuel Pollutant Description: Unidentified Oil	Water Impact: Category 2 (Significant) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
F	379m SW	Incident Date: 12/07/2003 Incident Identification: 173114 Pollutant: Oils and Fuel Pollutant Description: Diesel	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)

ID	Location	Details	
14	400m N	Incident Date: 26/06/2003 Incident Identification: 169112 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)
H	432m N	Incident Date: 20/09/2003 Incident Identification: 191277 Pollutant: Atmospheric Pollutants and Effects:Other Pollutant Pollutant Description: Fumes:Noise	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
H	433m N	Incident Date: 05/04/2002 Incident Identification: 69102 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Smoke	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
H	433m N	Incident Date: 05/04/2002 Incident Identification: 69102 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Smoke	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
H	436m N	Incident Date: 10/12/2002 Incident Identification: 125417 Pollutant: Oils and Fuel Pollutant Description: Hydraulic Oils	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
15	438m E	Incident Date: 08/03/2003 Incident Identification: 141886 Pollutant: Oils and Fuel Pollutant Description: Other Oil or Fuel	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)

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

4.20 Pollution inventory substances

Records within 500m	**0**

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

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

4.21 Pollution inventory waste transfers

Records within 500m	0

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

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

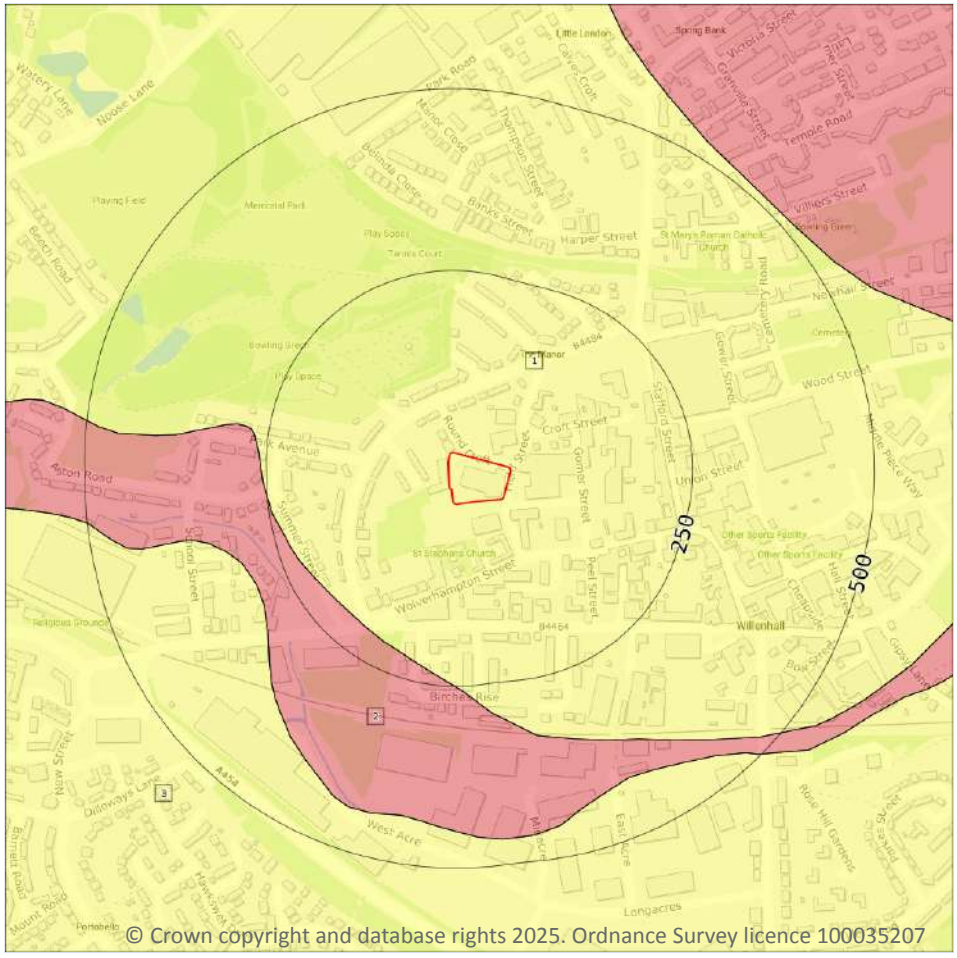
4.22 Pollution inventory radioactive waste

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



Site Outline

Search buffers in metres (m)

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

5.1 Superficial aquifer

Records within 500m	3

Aquifer status of groundwater held within superficial geology.

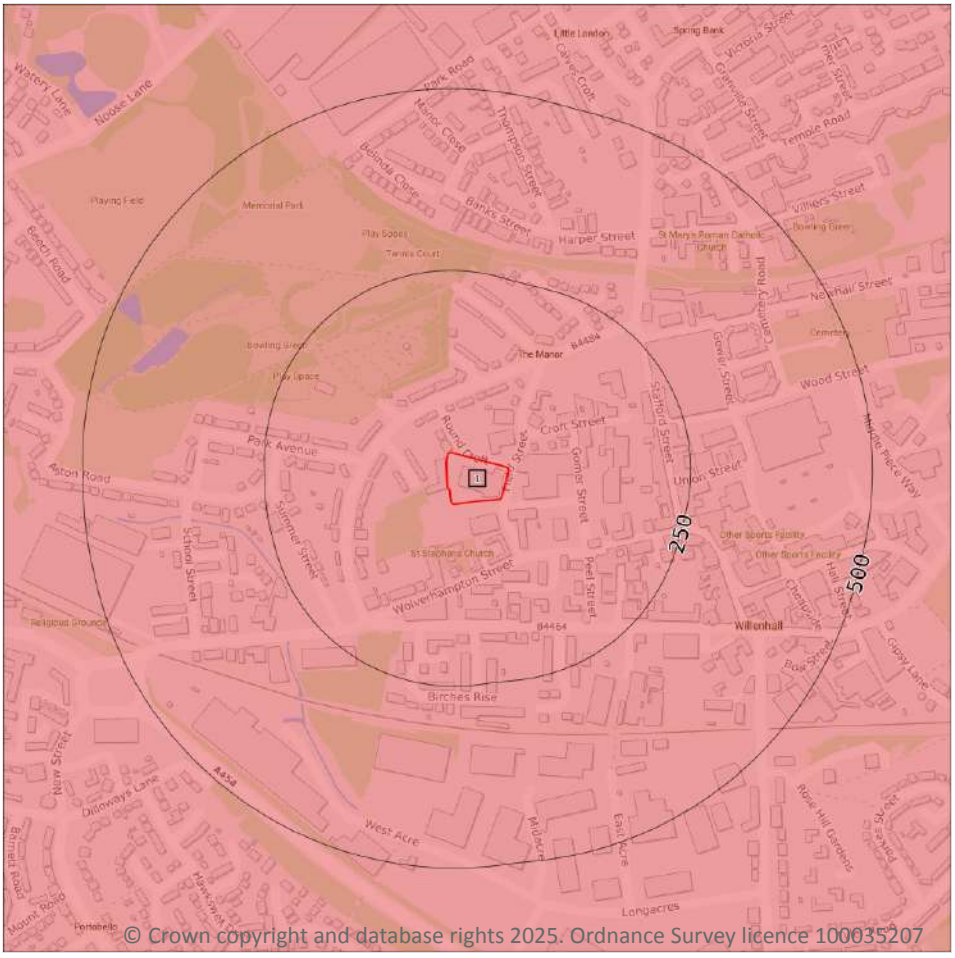
Features are displayed on the Hydrogeology map on **page 80 >**

ID	Location	Designation	Description
1	**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**
2	207m SW	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers

ID	Location	Designation	Description
3	293m 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

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

Bedrock aquifer



Site Outline

Search buffers in metres (m)

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

5.2 Bedrock aquifer

Records within 500m	1

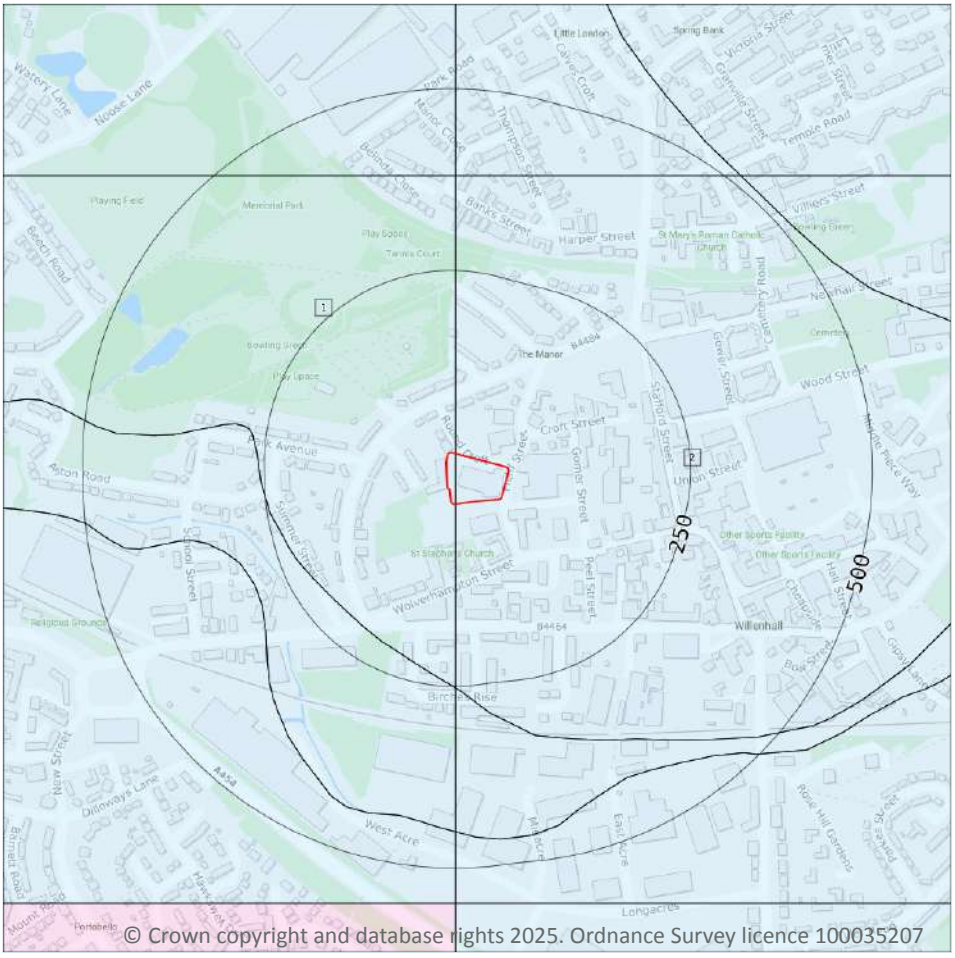
Aquifer status of groundwater held within bedrock geology.

Features are displayed on the Bedrock aquifer map on **page 82 >**

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

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

Groundwater vulnerability



Site Outline

Search buffers in metres (m)

Superficial vulnerability

- Principal superficial aquifer, high vulnerability
- Secondary superficial aquifer, high vulnerability
- Principal superficial aquifer, medium vulnerability
- Secondary superficial aquifer, medium vulnerability
- Principal superficial aquifer, low vulnerability
- Secondary superficial aquifer, low vulnerability

Bedrock vulnerability

- Principal bedrock aquifer, high vulnerability
- Secondary bedrock aquifer, high vulnerability
- Principal bedrock aquifer, medium vulnerability
- Secondary bedrock aquifer, medium vulnerability
- Principal bedrock aquifer, low vulnerability
- Secondary bedrock aquifer, low vulnerability

Other information

- Unproductive aquifer
- Soluble rock risk
- Local information

5.3 Groundwater vulnerability

Records within 50m	2

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 83 >**

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: >10m Patchiness value: >90% Recharge potential: Low	Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures
2	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: Low	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	0

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

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

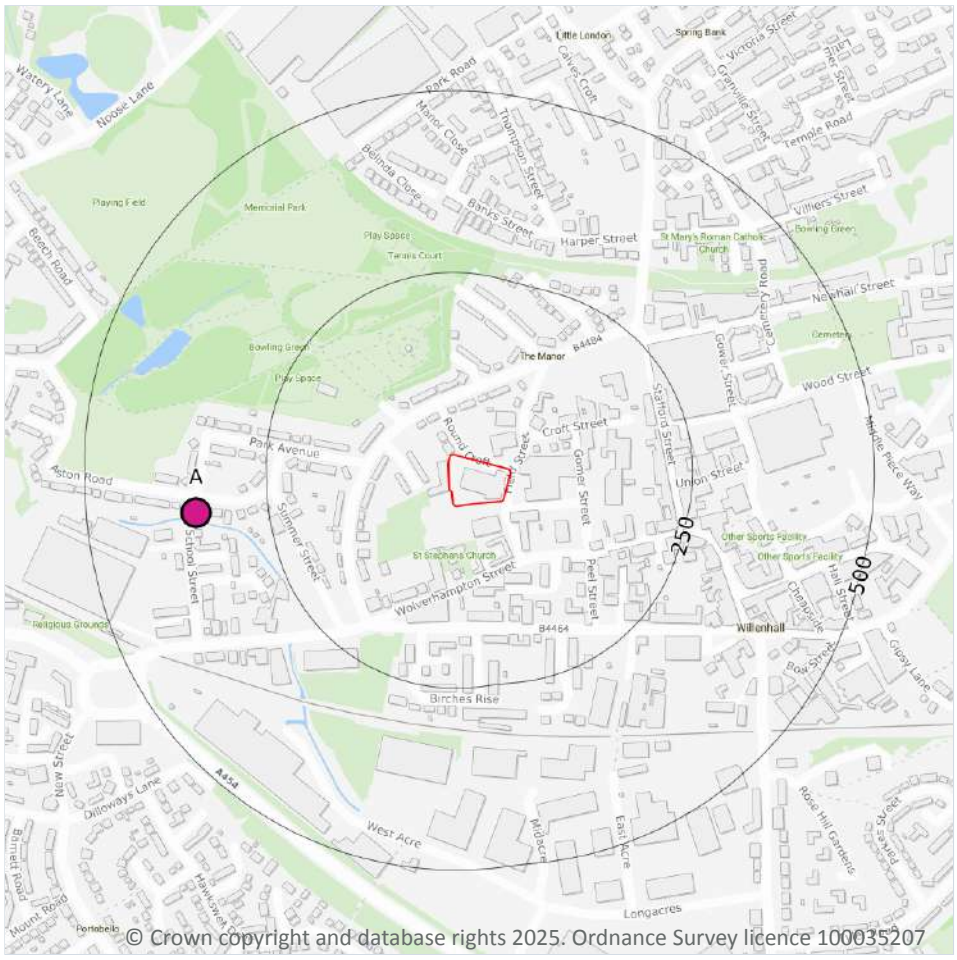
5.5 Groundwater vulnerability- local information

Records on site	0

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

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

Abstractions and Source Protection Zones



- Site Outline

Search buffers in metres (m)

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

5.6 Groundwater abstractions

Records within 2000m	10

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 85 >**

ID	Location	Details	
A	350m W	Status: Active Licence No: 03/28/08/0212 Details: Process Water Direct Source: Groundwater Midlands Region Point: PORTOBELLO WORKS - BOREHOLE Data Type: Point Name: Assa Abloy Limited Easting: 395640 Northing: 298540	Annual Volume (m^3): 7665 Max Daily Volume (m^3): 21 Original Application No: NPS/WR/002524 Original Start Date: 27/02/1979 Expiry Date: - Issue No: 102 Version Start Date: 17/11/2009 Version End Date: -
A	350m W	Status: Historical Licence No: 03/28/08/0212 Details: Process Water Direct Source: Groundwater Midlands Region Point: UNION WORKS,WILLENHALL - BOREHOLE Data Type: Point Name: YALE SECURITY PRODUCTS LTD Easting: 395640 Northing: 298540	Annual Volume (m^3): 68180 Max Daily Volume (m^3): 364 Original Application No: - Original Start Date: 27/02/1979 Expiry Date: - Issue No: 101 Version Start Date: 01/01/1999 Version End Date: -
-	1394m NW	Status: Historical Licence No: 03/28/08/0228 Details: Process water Direct Source: Groundwater Midlands Region Point: WADDENS BROOK LANE,WEDNESFIELD - 2 BOREHOLES Data Type: Point Name: BRITISH STEEL LIMITED Easting: 395300 Northing: 299830	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 06/05/1987 Expiry Date: - Issue No: 101 Version Start Date: 30/09/1998 Version End Date: -
-	1580m SE	Status: Active Licence No: 03/28/08/0140 Details: Supply To A Canal For Throughflow Direct Source: Groundwater Midlands Region Point: (POINT "E") HERBERT'S PARK SHAFT 2 - CANAL FEEDER Data Type: Point Name: Canal and River Trust Easting: 396718 Northing: 297119	Annual Volume (m^3): 9092000 Max Daily Volume (m^3): 32732 Original Application No: NPS/WR/012546 Original Start Date: 19/08/1967 Expiry Date: - Issue No: 103 Version Start Date: 27/03/2014 Version End Date: -
-	1585m SE	Status: Historical Licence No: 03/28/08/0140 Details: Supply To A Canal For Throughflow Direct Source: Groundwater Midlands Region Point: (POINT "E") HERBERT'S PARK SHAFT 2 - CANAL FEEDER Data Type: Point Name: Canal and River Trust Easting: 396710 Northing: 297110	Annual Volume (m^3): 9092000 Max Daily Volume (m^3): 32731.2 Original Application No: - Original Start Date: 19/08/1967 Expiry Date: - Issue No: 102 Version Start Date: 18/04/2008 Version End Date: -

ID	Location	Details	
-	1585m SE	Status: Historical Licence No: 03/28/08/0140 Details: Supply To A Canal For Throughflow Direct Source: Groundwater Midlands Region Point: (POINT "E")HERBERT'S PARK SHAFT 1 - CANAL FEEDER Data Type: Point Name: Canal and River Trust Easting: 396710 Northing: 297110	Annual Volume (m^3): 9092000 Max Daily Volume (m^3): 32731.2 Original Application No: - Original Start Date: 19/08/1967 Expiry Date: - Issue No: 102 Version Start Date: 18/04/2008 Version End Date: -
-	1588m SE	Status: Active Licence No: 03/28/08/0140 Details: Supply To A Canal For Throughflow Direct Source: Groundwater Midlands Region Point: (POINT "E")HERBERT'S PARK SHAFT 1 - CANAL FEEDER Data Type: Point Name: Canal and River Trust Easting: 396714 Northing: 297109	Annual Volume (m^3): 9092000 Max Daily Volume (m^3): 32732 Original Application No: NPS/WR/012546 Original Start Date: 19/08/1967 Expiry Date: - Issue No: 103 Version Start Date: 27/03/2014 Version End Date: -
-	1590m SE	Status: Historical Licence No: 03/28/08/0140 Details: Supply to a Canal for Throughflow Direct Source: Groundwater Midlands Region Point: HERBERT'S PARK SHAFT 2 - CANAL FEEDER Data Type: Point Name: BRITISH WATERWAYS BOARD Easting: 396700 Northing: 297100	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 19/08/1967 Expiry Date: - Issue No: 100 Version Start Date: 19/08/1967 Version End Date: -
-	1590m SE	Status: Historical Licence No: 03/28/08/0140 Details: Supply to a Canal for Throughflow Direct Source: Groundwater Midlands Region Point: HERBERT'S PARK SHAFT 1 - CANAL FEEDER Data Type: Point Name: BRITISH WATERWAYS BOARD Easting: 396700 Northing: 297100	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 19/08/1967 Expiry Date: - Issue No: 100 Version Start Date: 19/08/1967 Version End Date: -
-	1772m NW	Status: Historical Licence No: 03/28/08/0147 Details: Non-Evaporative Cooling Direct Source: Groundwater Midlands Region Point: DUCTILE STEELS LIMITED,WILLENHALL - BOREHOLE Data Type: Point Name: DUCTILE STEEL PROCESSORS Easting: 394400 Northing: 299400	Annual Volume (m^3): 72736 Max Daily Volume (m^3): 454.6 Original Application No: - Original Start Date: 13/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 13/01/1966 Version End Date: -

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

5.7 Surface water abstractions

Records within 2000m	0

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.

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

5.8 Potable abstractions

Records within 2000m	0

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

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

5.9 Source Protection Zones

Records within 500m	0

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

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

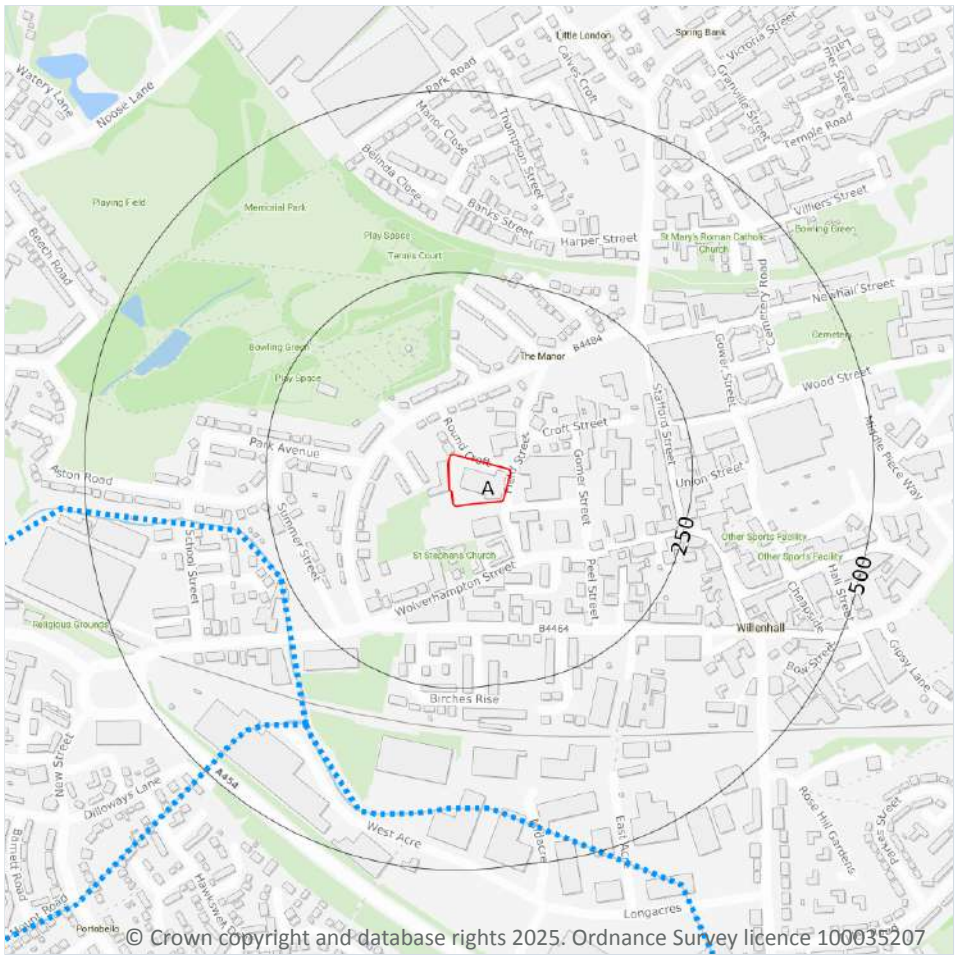
5.10 Source Protection Zones (confined aquifer)

Records within 500m	0

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

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

6 Hydrology



Site Outline

Search buffers in metres (m)

Water Network (OS MasterMap)

Surface water features (wider than 5m)

Surface water features (narrower than 5m)

WFD River, canal and surface water transfer water bodies

WFD Lake water bodies

WFD Transitional and coastal water bodies

WFD Surface water body catchments boundaries

WFD Groundwater body boundaries

6.1 Water Network (OS MasterMap)

Records within 250m	0

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

This data is sourced from the Ordnance Survey.

6.2 Surface water features

Records within 250m	0

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.

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 89 >**

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
A	**On site**	**River**	**Tame (W/ton Arm) source to conf Oldbury**	**GB104028046930**	**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	1

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

Features are displayed on the Hydrology map on **page 89 >**

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
2	257m SW	River	Tame (W/ton Arm) source to conf Oldbury	GB104028046930 ↗	Moderate	Fail	Moderate	2019

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

6.5 WFD Groundwater bodies

Records on site	1

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

Features are displayed on the Hydrology map on **page 89 >**

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
A	**On site**	**Tame Anker Mease - Coal Measures Black Country**	**GB40402G992400** ↗	**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	0

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

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

7.2 Historical Flood Events

Records within 250m	0

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

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

7.3 Flood Defences

Records within 250m	0

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

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

7.4 Areas Benefiting from Flood Defences

Records within 250m	0

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

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

7.5 Flood Storage Areas

Records within 250m	0

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

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

River and coastal flooding - Flood Zones

7.6 Flood Zone 2

Records within 50m	0

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

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

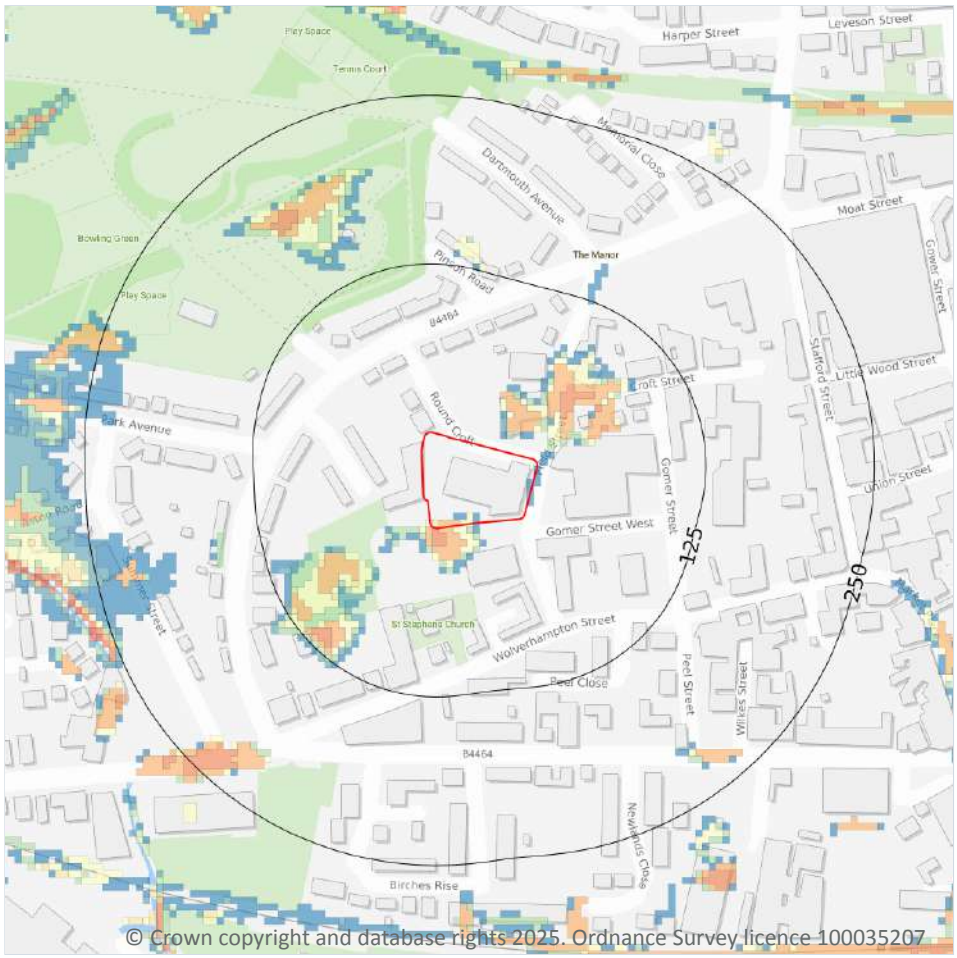
7.7 Flood Zone 3

Records within 50m	0

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

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

8 Surface water flooding



Site Outline

Search buffers in metres (m)

1 in 1000 return period
- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

1 in 250 return period
- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

1 in 100 return period
- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

1 in 30 return period
- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

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 95 >**

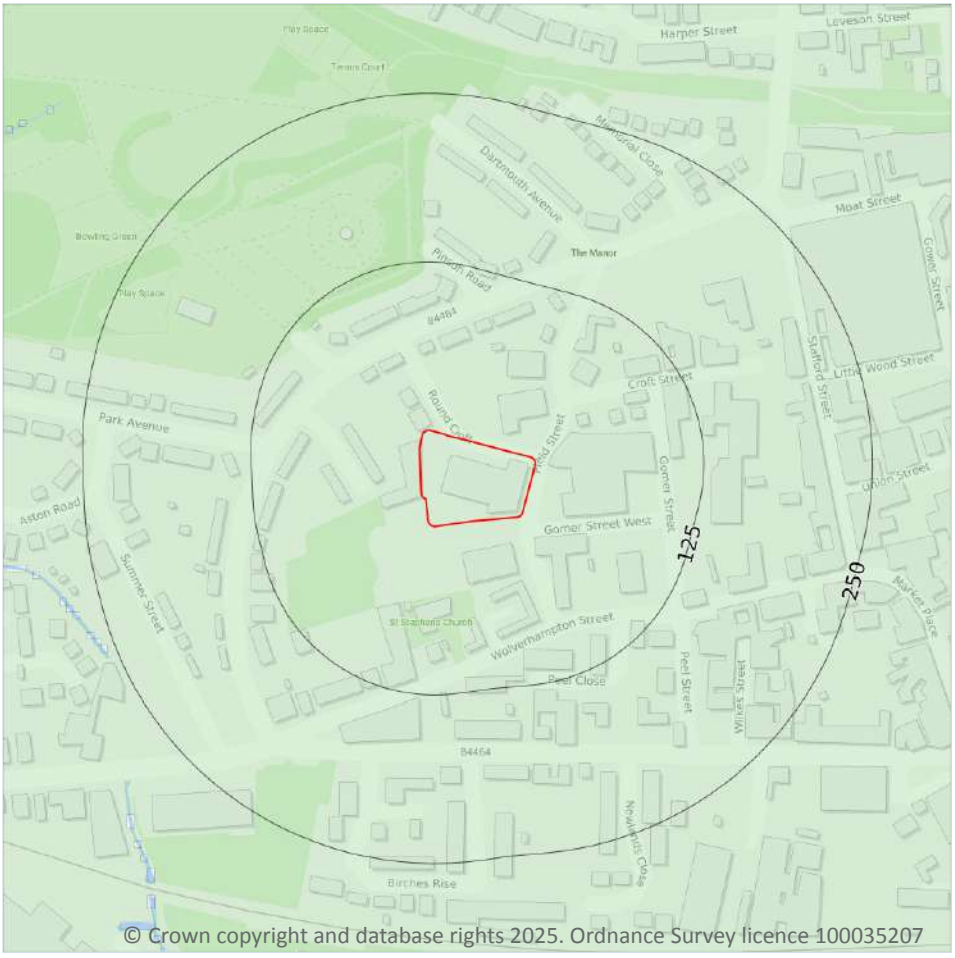
The data shown on the map and in the table above shows the highest likelihood of flood events happening at the site. Lower likelihood events may have greater flood depths and hence a greater potential impact on a site.

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

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

This data is sourced from Ambiental Risk Analytics.

9 Groundwater flooding



Site Outline

Search buffers in metres (m)

- High
- Moderate - High
- Moderate
- Low
- Negligible

9.1 Groundwater flooding

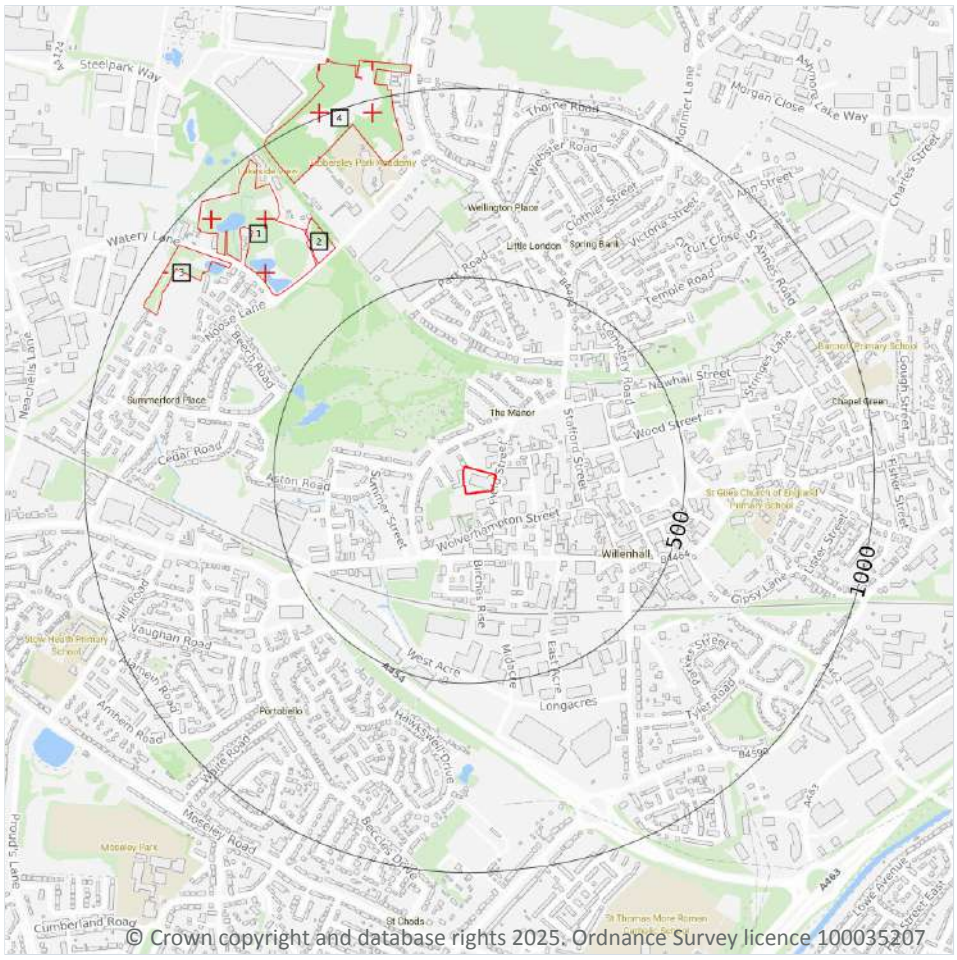
Highest risk on site	**Low**
Highest risk within 50m	**Low**

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

Features are displayed on the Groundwater flooding map on **page 97 >**

This data is sourced from Ambiental Risk Analytics.

10 Environmental designations



Site Outline

Search buffers in metres (m)

Local Nature Reserves (LNR)

10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m	0

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

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

10.2 Conserved wetland sites (Ramsar sites)

Records within 2000m	0

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

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

10.3 Special Areas of Conservation (SAC)

Records within 2000m	0

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

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

10.4 Special Protection Areas (SPA)

Records within 2000m	0

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

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

10.5 National Nature Reserves (NNR)

Records within 2000m	0

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

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

10.6 Local Nature Reserves (LNR)

Records within 2000m	4

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 98 >**

ID	Location	Name	Data source
1	659m NW	Waddens Brook, Noose Lane	Natural England
2	662m NW	Waddens Brook, Noose Lane	Natural England
3	815m NW	Waddens Brook, Noose Lane	Natural England
4	826m N	Waddens Brook, Noose Lane	Natural England

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

10.7 Designated Ancient Woodland

Records within 2000m	0

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.

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	0

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

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

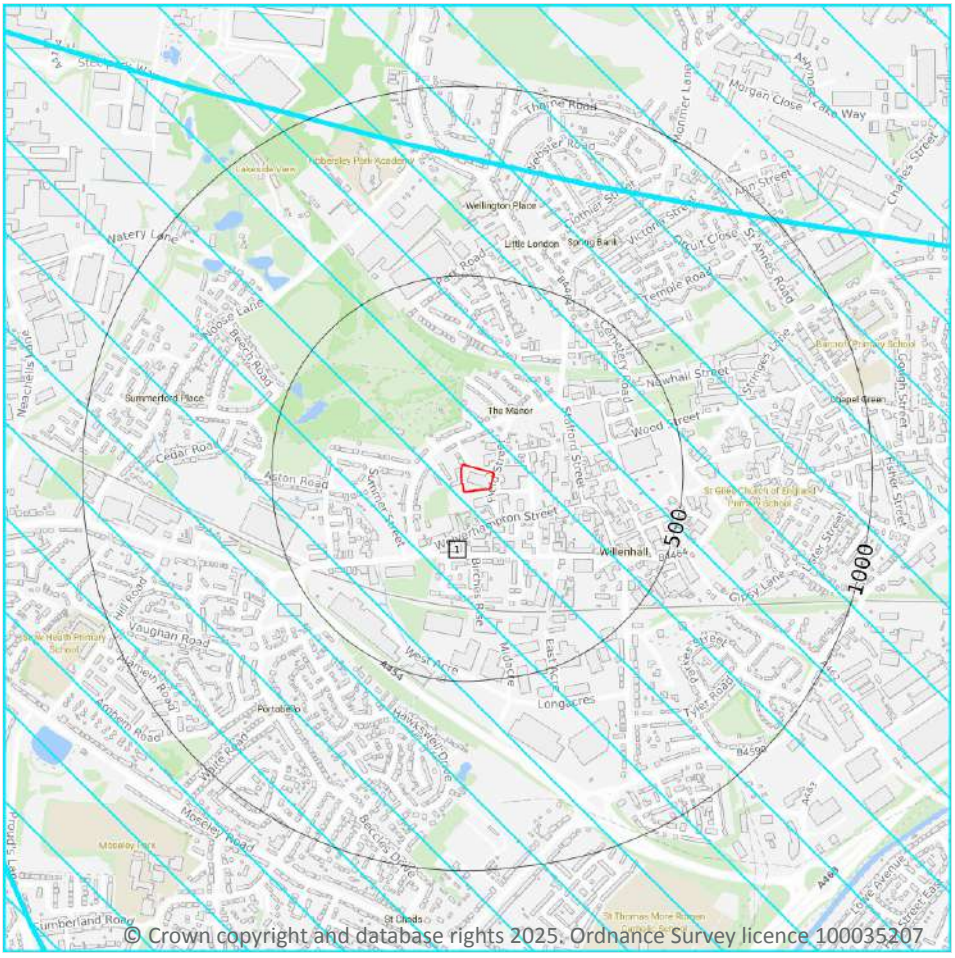
Records within 2000m	2

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**
1895m W	River Trent (source to confluence with Derwent)	Surface Water	308	Existing

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

SSSI Impact Zones and Units



Site Outline

Search buffers in metres (m)

SSSI Impact Risk Zones

SSSI Units

- Not recorded
- Favourable
- Unfavourable - Recovering
- Unfavourable - No change
- Unfavourable - Declining
- Partially destroyed
- Destroyed

10.17 SSSI Impact Risk Zones

Records on site	1

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

Features are displayed on the SSSI Impact Zones and Units map on **page 103 >**

ID	Location	Type of developments requiring consultation
1	**On site**	**https://irz.geodata.org.uk/IRZ/step2.html?irzcode=0300000630000&notes=&location=399500,296034%20(IRZ%20polygon%20centre)**

This data is sourced from Natural England.

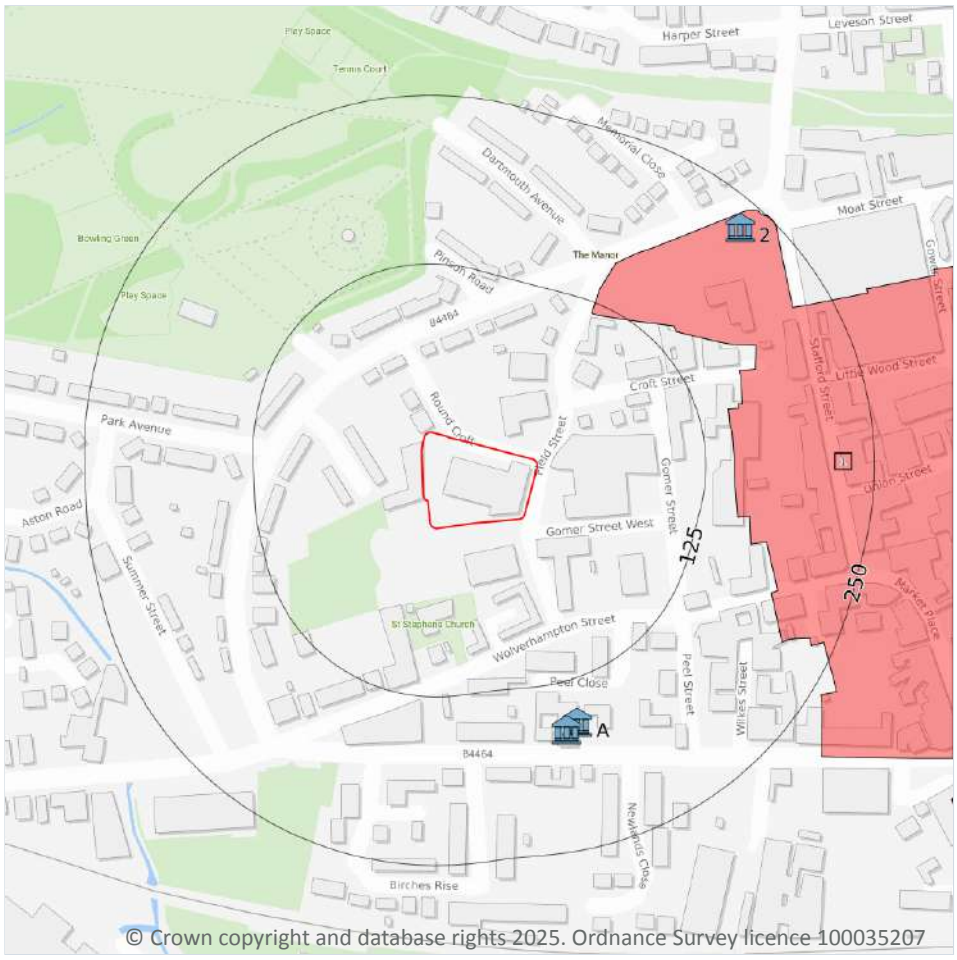
10.18 SSSI Units

Records within 2000m	0

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

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

11 Visual and cultural designations



Site Outline

Search buffers in metres (m)

- Listed buildings
- Conservation areas
- Conservation areas - no data
- National Parks
- Areas of Outstanding Natural Beauty
- Registered parks and gardens
- Scheduled Monuments
- World Heritage Sites

11.1 World Heritage Sites

Records within 250m	0

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

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

11.2 Area of Outstanding Natural Beauty

Records within 250m	0

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

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

11.3 National Parks

Records within 250m	0

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

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

11.4 Listed Buildings

Records within 250m	3

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

Features are displayed on the Visual and cultural designations map on **page 105 >**

ID	Location	Name	Grade	Reference Number	Listed date
A	157m S	Number 54 New Road And Workshops Attached And To The Rear	II	1115449	24/05/1984
A	160m S	Number 54 New Road And Workshops Attached And To The Rear	II	1115449	24/05/1984
2	230m NE	Willenhall War Memorial, Including Obelisk And Associated First World War Stone Panels And Plaques, Second World War Stone Panels And Plaques, And Plaques Dedicated To The Boer War.	II	1449369	12/10/2017

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

11.5 Conservation Areas

Records within 250m	1

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.

Features are displayed on the Visual and cultural designations map on **page 105 >**

ID	Location	Name	District	Date of designation
1	117m N	Willenhall	Walsall	28/01/1977

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

11.6 Scheduled Ancient Monuments

Records within 250m	0

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

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

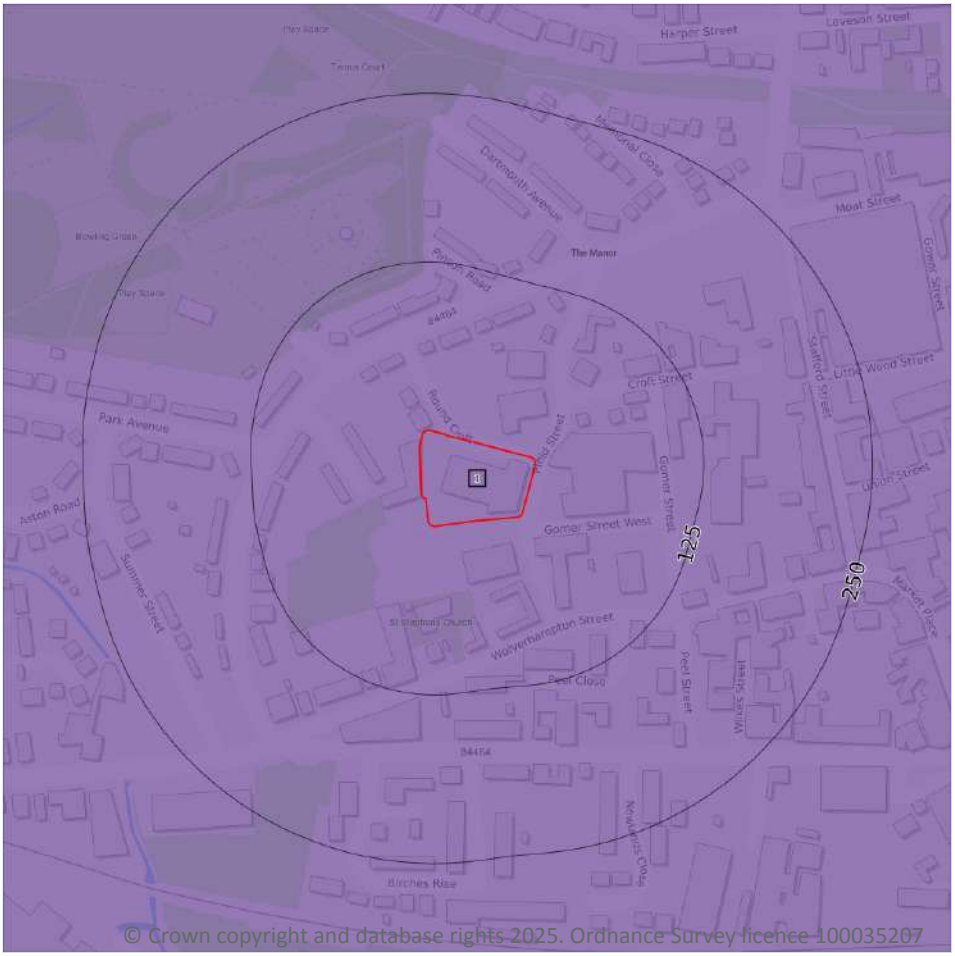
11.7 Registered Parks and Gardens

Records within 250m	0

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

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

12 Agricultural designations



Site Outline

Search buffers in metres (m)

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

12.1 Agricultural Land Classification

Records within 250m	1

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

Features are displayed on the Agricultural designations map on **page 108 >**

ID	Location	Classification	Description
1	**On site**	**Urban**	**Non-agricultural/no quality assigned**

This data is sourced from Natural England.

12.2 Open Access Land

Records within 250m	0

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

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

12.3 Tree Felling Licences

Records within 250m	0

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

This data is sourced from the Forestry Commission.

12.4 Environmental Stewardship Schemes

Records within 250m	0

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

This data is sourced from Natural England.

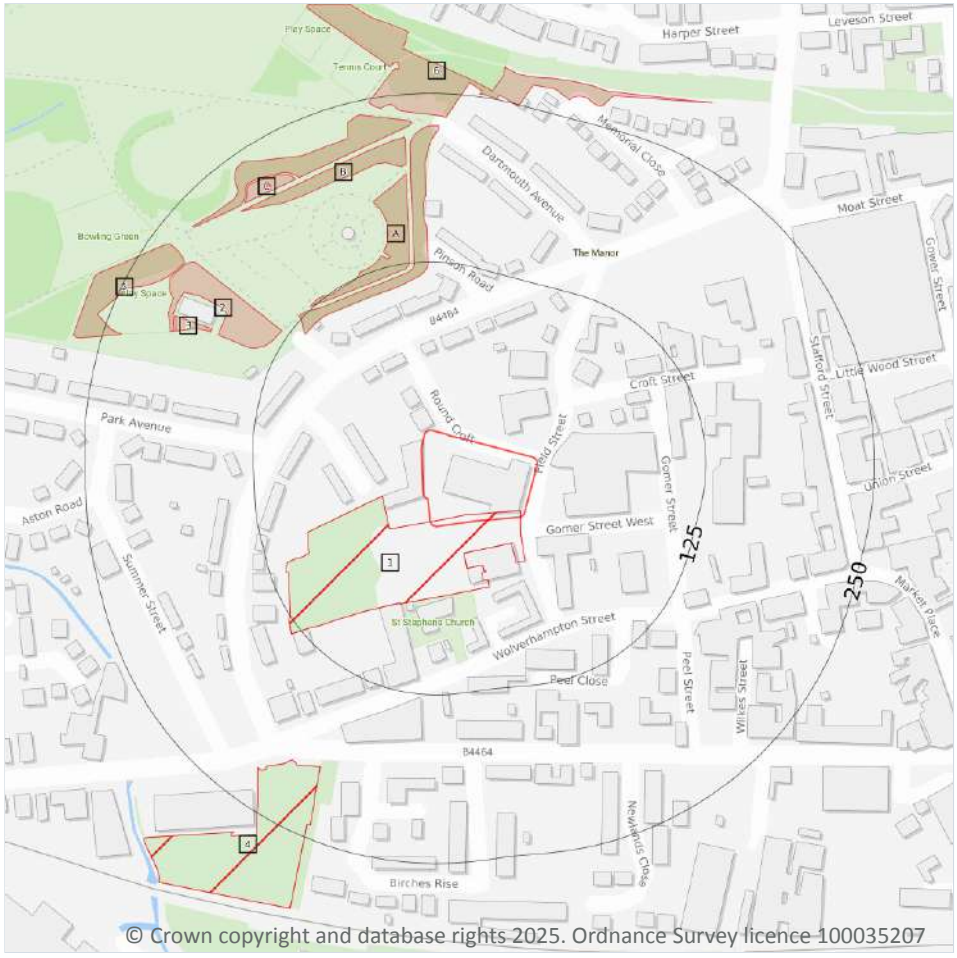
12.5 Countryside Stewardship Schemes

Records within 250m	0

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

This data is sourced from Natural England.

13 Habitat designations



Site Outline

Search buffers in metres (m)

Priority Habitat Inventory
Open Mosaic Habitat
Limestone Pavement Orders

Habitat Networks

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

13.1 Priority Habitat Inventory

Records within 250m	10

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

Features are displayed on the Habitat designations map on **page 110 >**

ID	Location	Main Habitat	Other habitats
A	108m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
A	118m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
2	131m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
3	176m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)

ID	Location	Main Habitat	Other habitats
B	197m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
B	211m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
C	211m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
C	216m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
5	219m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
6	232m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)

This data is sourced from Natural England.

13.2 Habitat Networks

Records within 250m	**0**

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

This data is sourced from Natural England.

13.3 Open Mosaic Habitat

Records within 250m	**2**

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 110 >**

ID	Location	Site reference	Identification confidence	Primary source	Secondary source	Tertiary source
1	**On site**	**NLUD Ref: 463000233**	**Low**	**National Land Use Database - Previously Developed Land**	**UK Perspectives Aerial Photography**	**-**
4	198m SW	NLUD Ref: 463000574	Low	National Land Use Database - Previously Developed Land	UK Perspectives Aerial Photography	-

This data is sourced from Natural England.

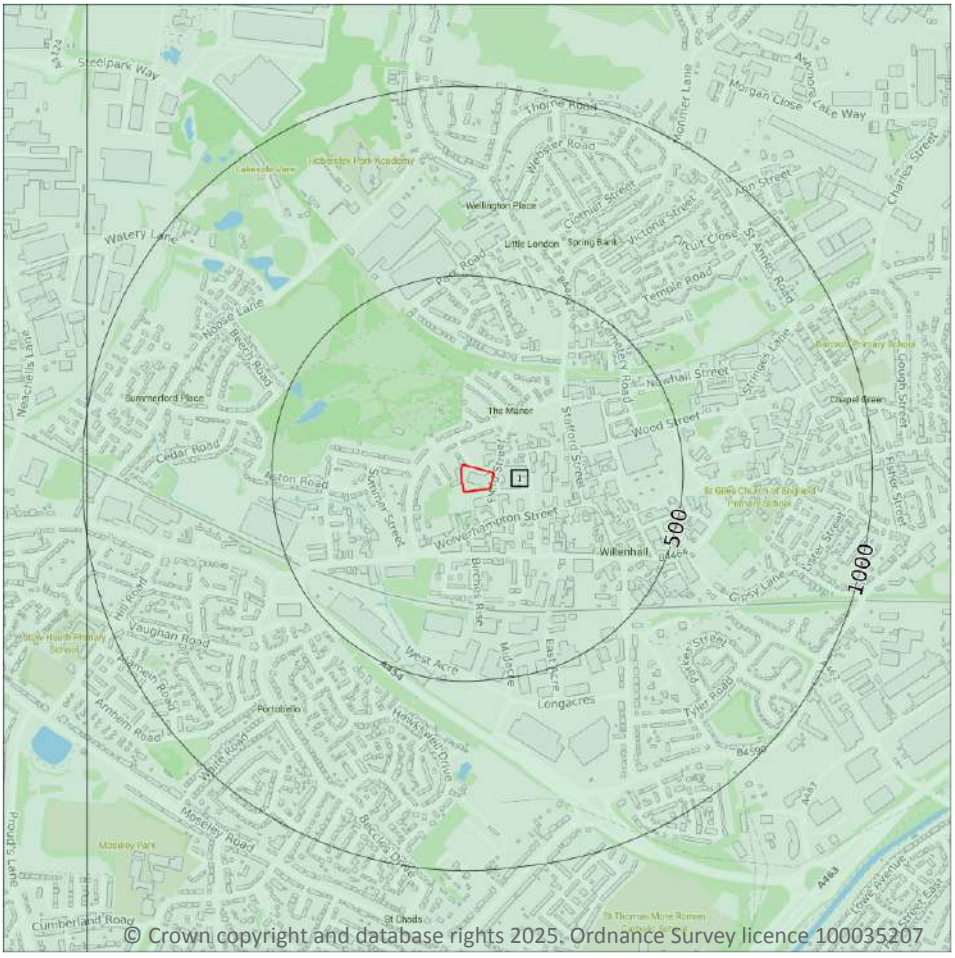
13.4 Limestone Pavement Orders

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

14.1 10k Availability

Records within 500m	1

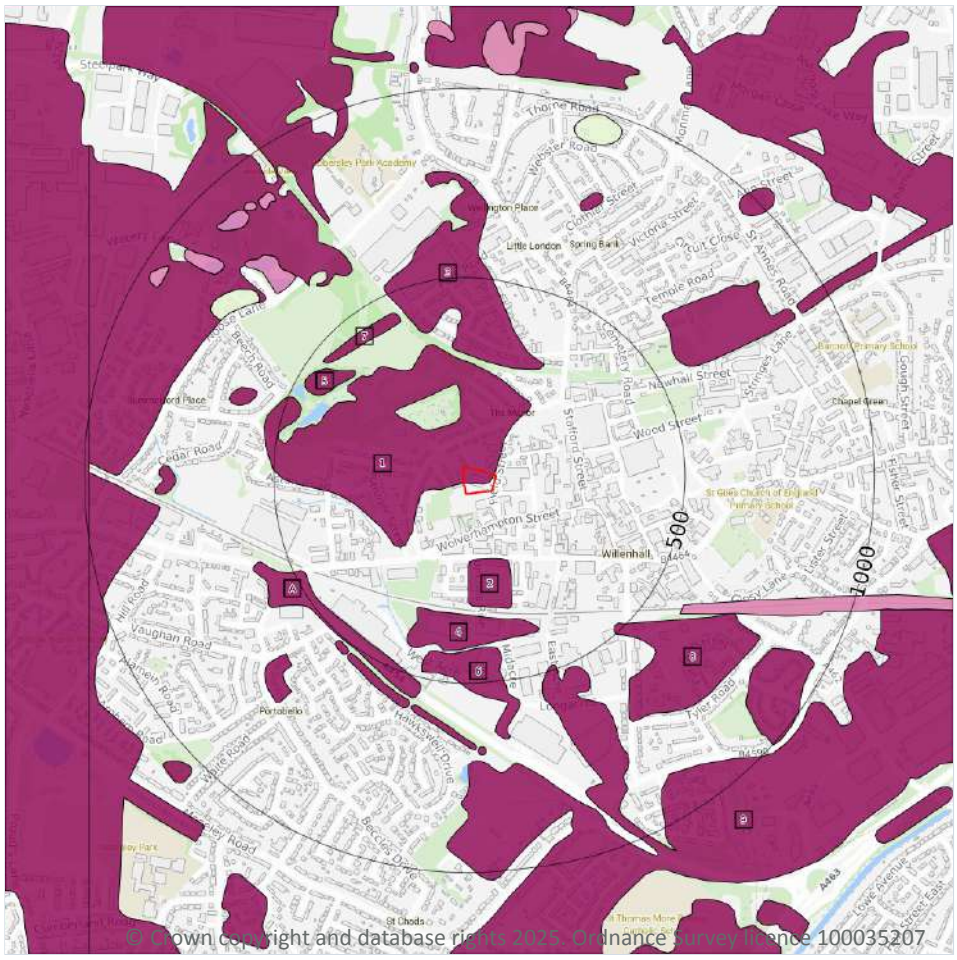
An indication on the coverage of 1:10,000 scale geology data for the site, the most detailed dataset provided by the British Geological Survey. Either 'Full', 'Partial' or 'No coverage' for each geological theme.

Features are displayed on the Geology 1:10,000 scale - Availability map on **page 113 >**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	**On site**	**Full**	**Full**	**Full**	**No coverage**	**SO99NE**

This data is sourced from the British Geological Survey.

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



Site Outline

Search buffers in metres (m)

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

14.2 Artificial and made ground (10k)

Records within 500m	10

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

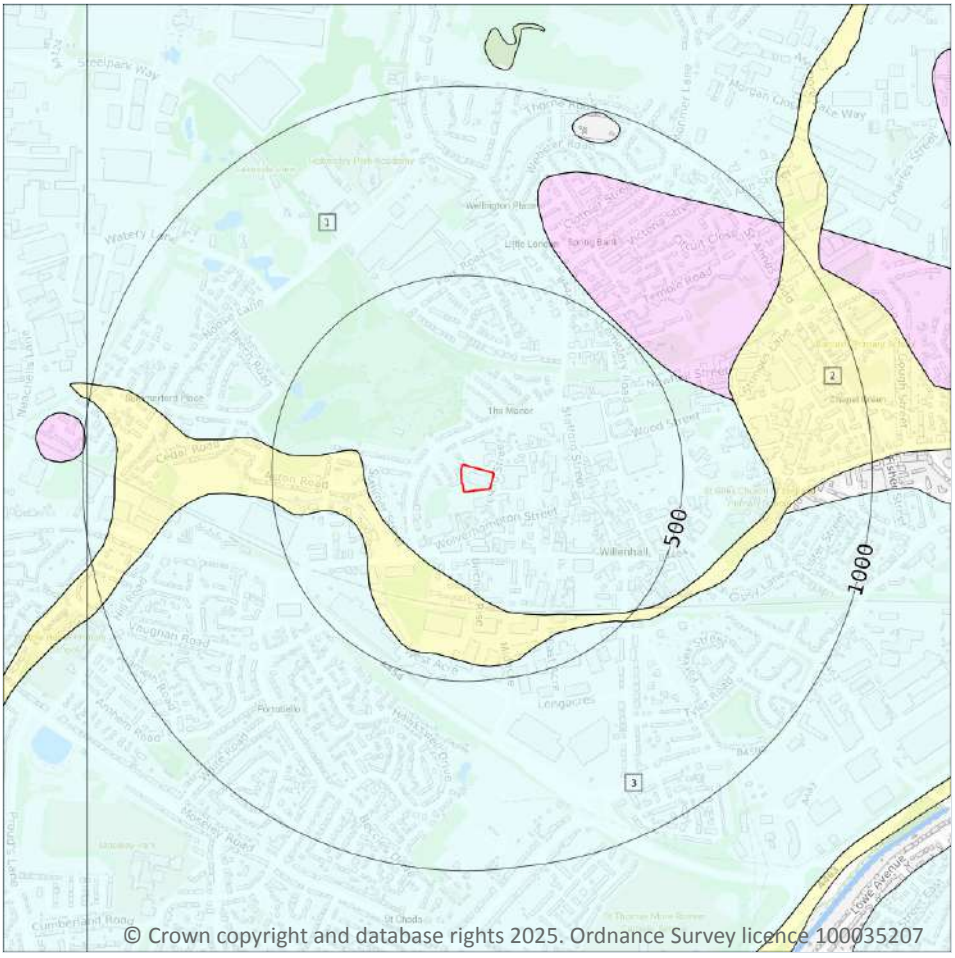
Features are displayed on the Geology 1:10,000 scale - Artificial and made ground map on **page 114 >**

ID	Location	LEX Code	Description	Rock description
1	**On site**	**MGR-ARTDP**	**Made Ground (Undivided)**	**Artificial Deposit**
2	174m S	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
3	282m N	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
4	317m S	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit

ID	Location	LEX Code	Description	Rock description
5	379m NW	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
6	408m S	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
7	415m NW	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
A	467m SW	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
8	482m SE	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
9	487m S	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit

This data is sourced from the British Geological Survey.

Geology 1:10,000 scale - Superficial



Site Outline

Search buffers in metres (m)

Landslip (10k)

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

14.3 Superficial geology (10k)

Records within 500m **3**

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

Features are displayed on the Geology 1:10,000 scale - Superficial map on **page 116 >**

ID	Location	LEX Code	Description	Rock description
1	**On site**	**TILLD-DMTN**	**Till, Devensian - Diamicton**	**Diamicton**
2	207m SW	ALV-XSV	Alluvium - Sand And Gravel	Sand And Gravel
3	293m SW	TILLD-DMTN	Till, Devensian - Diamicton	Diamicton

This data is sourced from the British Geological Survey.

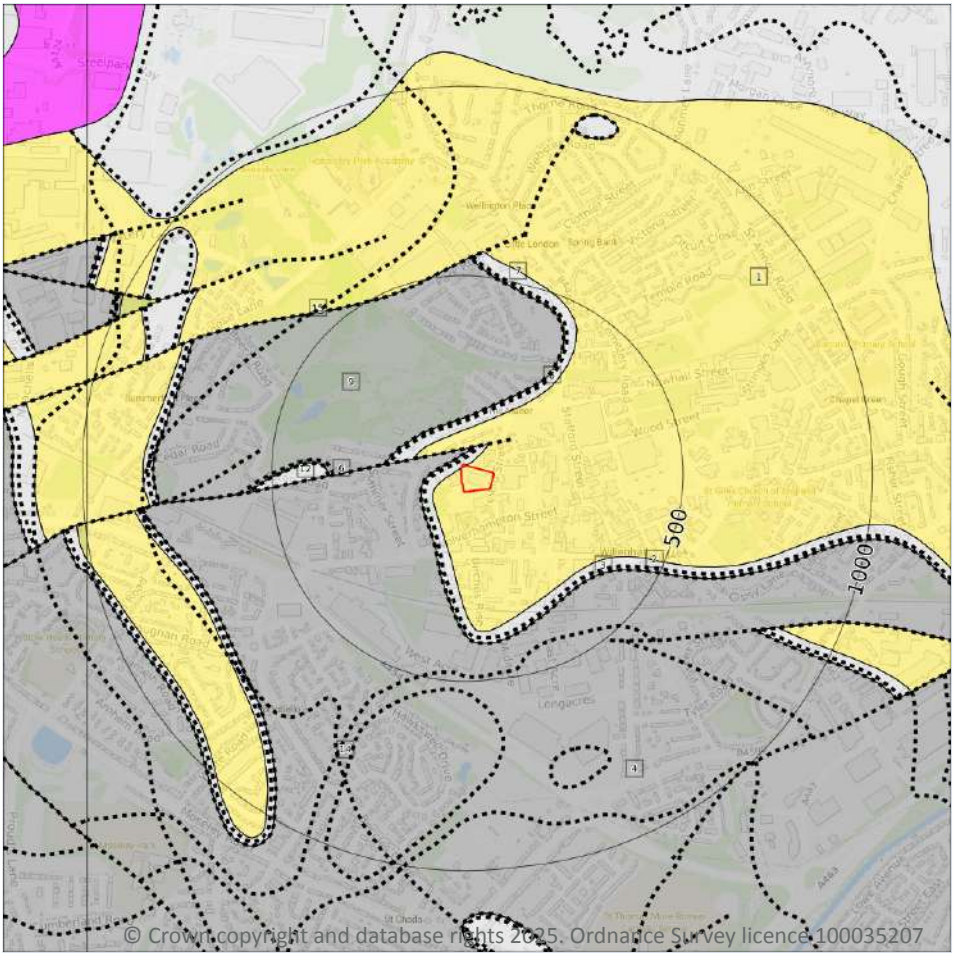
14.4 Landslip (10k)

Records within 500m	0

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

This data is sourced from the British Geological Survey.

Geology 1:10,000 scale - Bedrock



Site Outline

Search buffers in metres (m)

Bedrock faults and other linear features (10k)

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

14.5 Bedrock geology (10k)

Records within 500m **6**

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

Features are displayed on the Geology 1:10,000 scale - Bedrock map on **page 118 >**

ID	Location	LEX Code	Description	Rock age
1	**On site**	**NMCR-SDST**	**New Mine Coal Rock - Sandstone**	**Langsettian Sub-age**
2	**On site**	**PLCM-MDSS**	**Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone**	**Langsettian Sub-age**
4	23m NW	PMCM-MDSS	Pennine Middle Coal Measures Formation - Mudstone, Siltstone And Sandstone	Bolsovian Sub-age - Duckmantian Sub-age

ID	Location	LEX Code	Description	Rock age
7	85m N	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age
9	116m N	PMCM-MDSS	Pennine Middle Coal Measures Formation - Mudstone, Siltstone And Sandstone	Bolsovian Sub-age - Duckmantian Sub-age
12	351m W	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age

This data is sourced from the British Geological Survey.

14.6 Bedrock faults and other linear features (10k)

Records within 500m	**9**

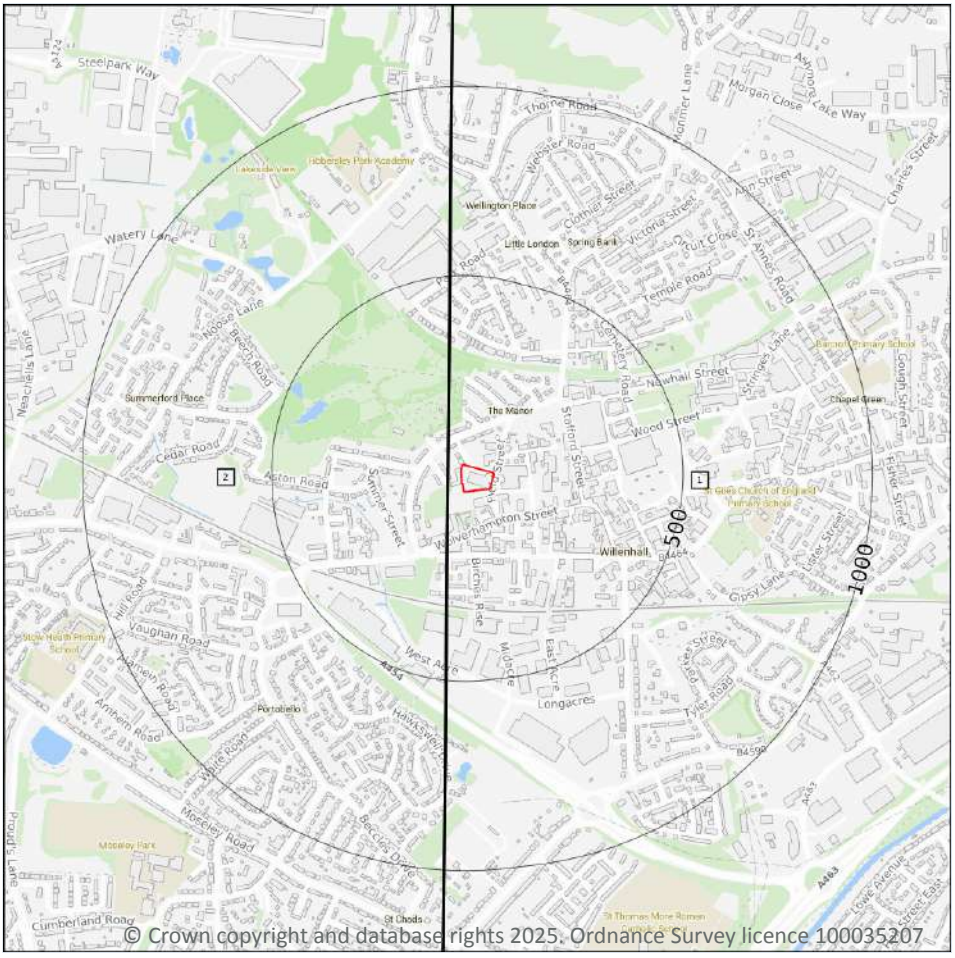
Linear features at the ground or bedrock surface at 1:10,000 scale of six main types; rock, fault, fold axis, mineral vein, alteration area or landform. Features are either observed or inferred, and relate primarily to bedrock.

Features are displayed on the Geology 1:10,000 scale - Bedrock map on **page 118 >**

ID	Location	Category	Description
3	13m NW	ROCK	Coal seam, inferred
5	23m NW	FOSSIL_HORIZON	Fossil horizon, marine band
6	42m N	FAULT	Normal fault, observed; crossmark on downthrow side
8	108m N	ROCK	Coal seam, inferred
10	116m N	FOSSIL_HORIZON	Fossil horizon, marine band
11	338m W	FOSSIL_HORIZON	Fossil horizon, marine band
13	351m W	ROCK	Coal seam, inferred coincident with bedrock geology boundary
14	431m S	ROCK	Coal seam, inferred
15	486m N	FAULT	Normal fault, observed; crossmark on downthrow side

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	2

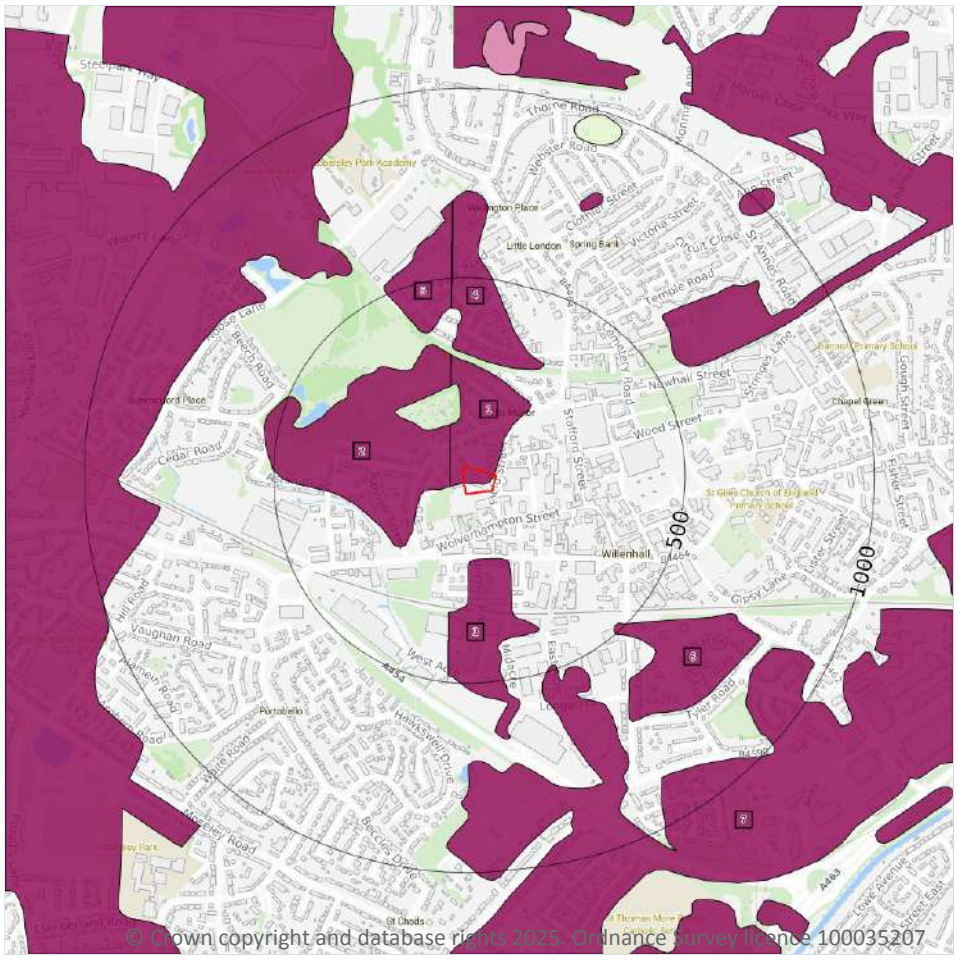
An indication on the coverage of 1:50,000 scale geology data for the site. Either 'Full' or 'No coverage' for each geological theme.

Features are displayed on the Geology 1:50,000 scale - Availability map on **page 120 >**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	**On site**	**Full**	**Full**	**Full**	**No coverage**	**EW154_lichfield_v4**
2	35m W	Full	Full	Full	Full	EW153_wolverhampton_v4

This data is sourced from the British Geological Survey.

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



Site Outline

Search buffers in metres (m)

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

15.2 Artificial and made ground (50k)

Records within 500m **7**

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 121 >**

ID	Location	LEX Code	Description	Rock description
1	**On site**	**MGR-ARTDP**	**MADE GROUND (UNDIVIDED)**	**ARTIFICIAL DEPOSIT**
2	35m W	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT
3	174m S	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT
4	282m N	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT

ID	Location	LEX Code	Description	Rock description
5	368m N	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT
6	483m SE	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT
7	487m S	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT

This data is sourced from the British Geological Survey.

15.3 Artificial ground permeability (50k)

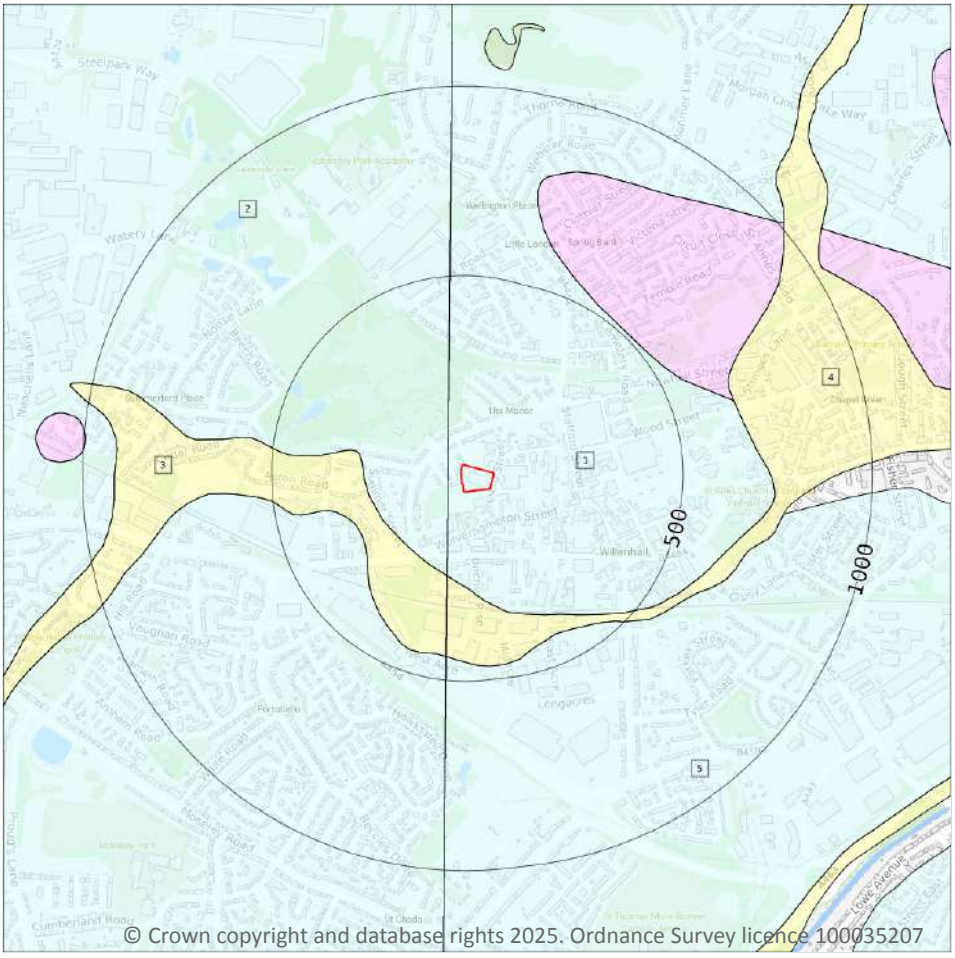
Records within 50m	**1**

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

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

This data is sourced from the British Geological Survey.

Geology 1:50,000 scale - Superficial



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 **5**

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 123 >**

ID	Location	LEX Code	Description	Rock description
1	**On site**	**TILLD-DMTN**	**TILL, DEVENSIAN**	**DIAMICTON**
2	35m W	TILLD-DMTN	TILL, DEVENSIAN	DIAMICTON
3	207m SW	ALV-XCZSV	ALLUVIUM	CLAY, SILT, SAND AND GRAVEL

ID	Location	LEX Code	Description	Rock description
4	227m S	ALV-XCZSV	ALLUVIUM	CLAY, SILT, SAND AND GRAVEL
5	421m SE	TILLD-DMTN	TILL, DEVENSIAN	DIAMICTON

This data is sourced from the British Geological Survey.

15.5 Superficial permeability (50k)

Records within 50m	1

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

Location	Flow type	Maximum permeability	Minimum permeability
On site	**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.

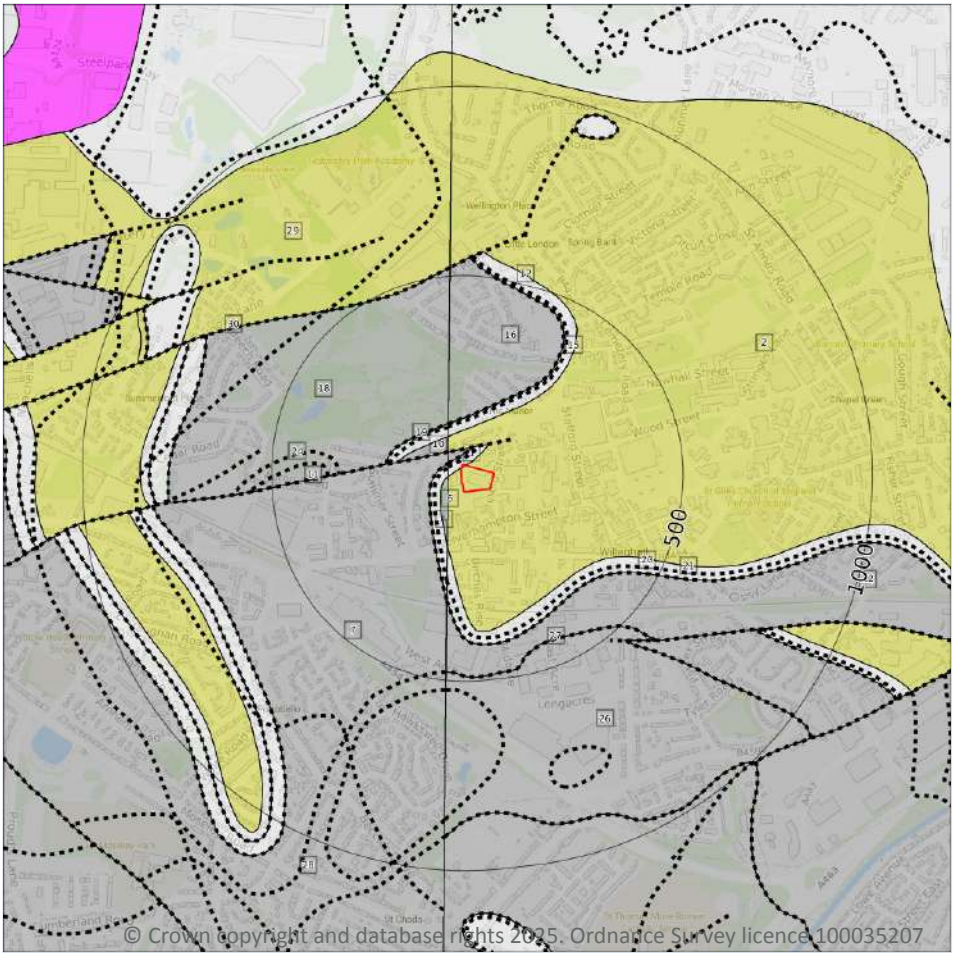
15.7 Landslip permeability (50k)

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	15

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 125 >**

ID	Location	LEX Code	Description	Rock age
1	On site	PLCM-MDSS	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
2	On site	PLCM-SDST	PENNINE LOWER COAL MEASURES FORMATION - SANDSTONE	WESTPHALIAN

ID	Location	LEX Code	Description	Rock age
4	23m NW	PMCM-MDSS	PENNINE MIDDLE COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
A	35m W	PLCM-MDSS	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
6	35m W	PMCM-MDSS	PENNINE MIDDLE COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
7	38m W	PMCM-MDSS	PENNINE MIDDLE COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
10	52m NW	PMCM-MDSS	PENNINE MIDDLE COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
12	85m N	PLCM-MDSS	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
13	85m NW	PLCM-MDSS	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
16	116m N	PMCM-MDSS	PENNINE MIDDLE COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
18	116m N	PMCM-MDSS	PENNINE MIDDLE COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
20	152m S	PLCM-MDSS	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
22	289m S	PMCM-MDSS	PENNINE MIDDLE COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
26	431m S	PMCM-MDSS	PENNINE MIDDLE COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
29	486m N	PLCM-SDST	PENNINE LOWER COAL MEASURES FORMATION - SANDSTONE	WESTPHALIAN

This data is sourced from the British Geological Survey.

15.9 Bedrock permeability (50k)

Records within 50m	**4**

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

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

Location	Flow type	Maximum permeability	Minimum permeability
On site	**Fracture**	**High**	**Moderate**
23m NW	Fracture	Moderate	Low
35m W	Fracture	Moderate	Low

This data is sourced from the British Geological Survey.

15.10 Bedrock faults and other linear features (50k)

Records within 500m	**17**

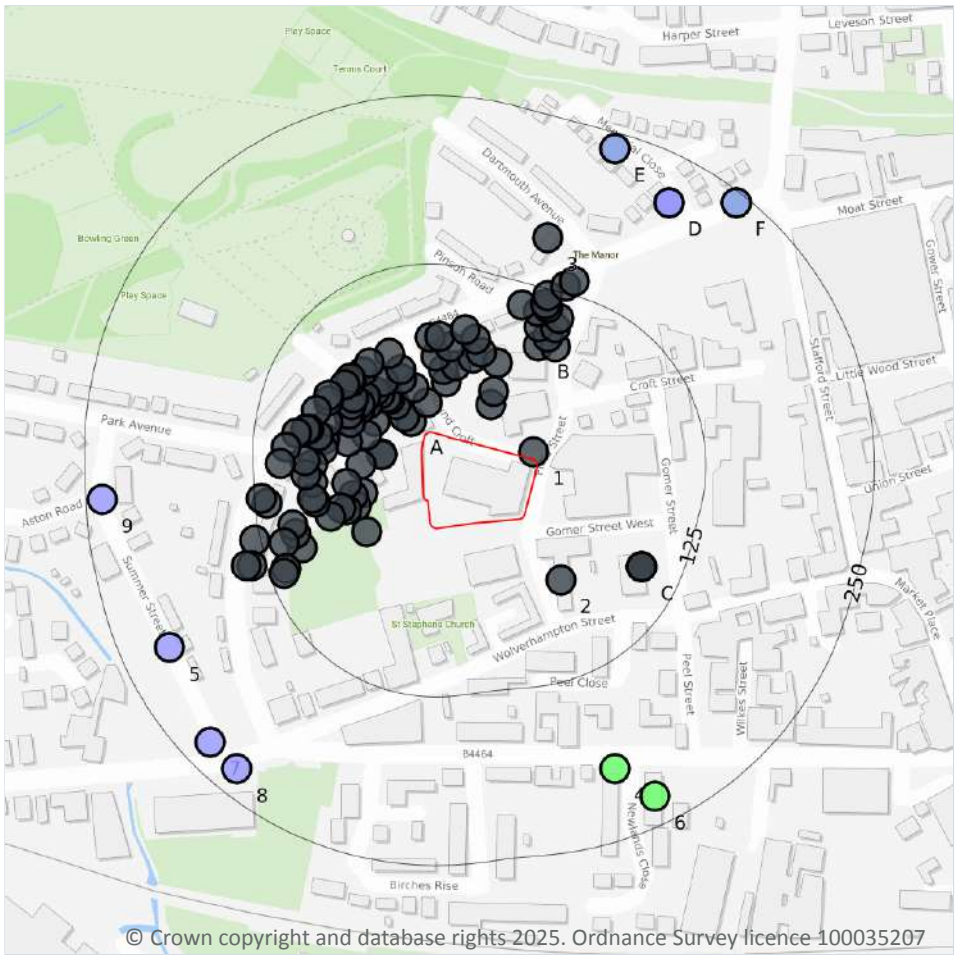
Linear features at the ground or bedrock surface at 1:50,000 scale of six main types; rock, fault, fold axis, mineral vein, alteration area or landform. Features are either observed or inferred, and relate primarily to bedrock.

Features are displayed on the Geology 1:50,000 scale - Bedrock map on **page 125 >**

ID	Location	Category	Description
3	14m NW	ROCK	Coal seam, inferred
5	23m NW	FOSSIL_HORIZON	Marine band
A	35m W	ROCK	Coal seam, inferred
8	38m W	FOSSIL_HORIZON	Marine band
9	41m N	FAULT	Fault, observed
11	52m NW	FAULT	Fault, inferred
14	107m N	ROCK	Coal seam, inferred
15	108m N	ROCK	Coal seam, inferred
17	116m N	FOSSIL_HORIZON	Marine band
19	116m N	FOSSIL_HORIZON	Marine band
21	240m S	ROCK	Coal seam, inferred
23	289m S	FOSSIL_HORIZON	Marine band
24	323m W	FOSSIL_HORIZON	Marine band
25	351m W	ROCK	Coal seam, inferred
27	431m S	ROCK	Coal seam, inferred
28	479m S	ROCK	Coal seam, inferred
30	486m N	FAULT	Fault, inferred

This data is sourced from the British Geological Survey.

16 Boreholes



Site Outline

Search buffers in metres (m)

- Confidential
- 0 - 10m
- 10 - 30m
- 30m+
- Unknown

16.1 BGS Boreholes

Records within 250m	115

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 129 >**

ID	Location	Grid reference	Name	Length	Confidential	Web link
1	5m N	396070 298605	FIELD STREET, WILLENHALL, 5	-	Y	N/A
A	15m NW	395979 298628	PINSON ROAD, WILLENHALL HA3/79	-	Y	N/A
A	21m NW	395974 298631	PINSON ROAD, WILLENHALL HA2/79	-	Y	N/A

ID	Location	Grid reference	Name	Length	Confidential	Web link
A	22m N	395991 298642	PINSON ROAD, WILLENHALL HA1/79	-	Y	N/A
A	30m W	395957 298604	PINSON ROAD, WILLENHALL HA3/5	-	Y	N/A
A	30m W	395957 298603	PINSON ROAD, WILLENHALL HA2/5	-	Y	N/A
A	31m N	396038 298640	FIELD STREET, WILLENHALL, 1	-	Y	N/A
A	31m NW	395968 298640	PINSON ROAD, WILLENHALL HA3/77	-	Y	N/A
A	35m N	395981 298653	PINSON ROAD, WILLENHALL HA1/77	-	Y	N/A
A	37m NW	395963 298644	PINSON ROAD, WILLENHALL HA2/77	-	Y	N/A
A	39m W	395952 298628	PINSON ROAD, WILLENHALL HA2/2	-	Y	N/A
A	39m N	396005 298657	PINSON ROAD, WILLENHALL BH3	-	Y	N/A
A	40m NW	395961 298645	PINSON ROAD, WILLENHALL HA2/74	-	Y	N/A
A	41m N	396040 298650	FIELD STREET, WILLENHALL, 2	-	Y	N/A
A	42m W	395946 298618	PINSON ROAD, WILLENHALL HA3/2	-	Y	N/A
A	44m NW	395972 298659	PINSON ROAD, WILLENHALL HA2/76	-	Y	N/A
A	45m W	395943 298575	PINSON ROAD, WILLENHALL HA3/+9	-	Y	N/A
A	45m W	395942 298596	PINSON ROAD, WILLENHALL HA1/5	-	Y	N/A
A	45m NW	395956 298648	PINSON ROAD, WILLENHALL HA3/73	-	Y	N/A
A	47m N	396003 298666	PINSON ROAD, WILLENHALL HA3/82	-	Y	N/A
A	48m W	395946 298546	PINSON ROAD, WILLENHALL BH1	-	Y	N/A
A	48m NW	395947 298640	PINSON ROAD, WILLENHALL HA3/72	-	Y	N/A
A	50m NW	395952 298650	PINSON ROAD, WILLENHALL HA2/73	-	Y	N/A
A	50m NW	395959 298657	PINSON ROAD, WILLENHALL HA1/74	-	Y	N/A
A	51m W	395938 298565	PINSON ROAD, WILLENHALL HA2/+9	-	Y	N/A
A	51m NW	395971 298666	PINSON ROAD, WILLENHALL HA3/76	-	Y	N/A
A	52m W	395936 298573	PINSON ROAD, WILLENHALL HA1/9	-	Y	N/A
A	52m NW	395941 298637	PINSON ROAD, WILLENHALL HA1/71	-	Y	N/A
A	52m N	396012 298669	PINSON ROAD, WILLENHALL HA3/83	-	Y	N/A
A	53m NW	395945 298646	PINSON ROAD, WILLENHALL HA2/72	-	Y	N/A
A	54m NW	395941 298641	PINSON ROAD, WILLENHALL HA2/71	-	Y	N/A

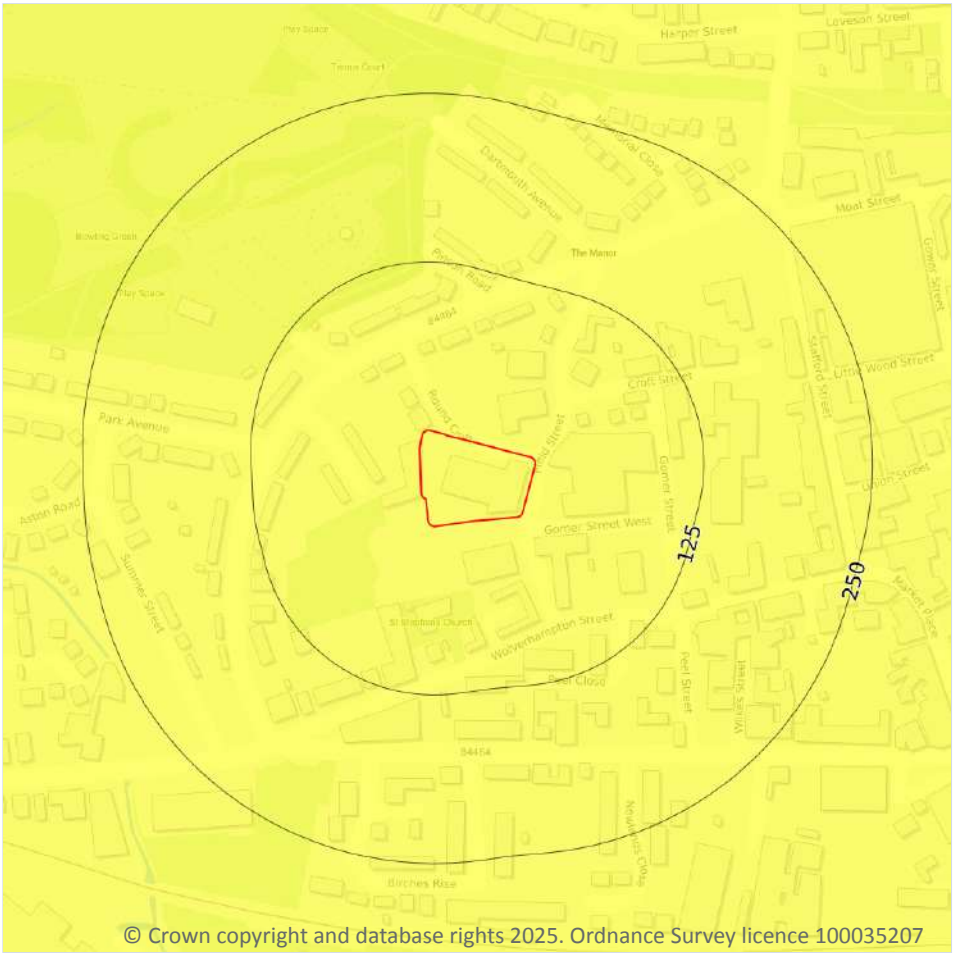
ID	Location	Grid reference	Name	Length	Confidential	Web link
2	54m SE	396090 298510	FIELD ST, WILLENHALL	-	Y	N/A
A	55m W	395932 298613	PINSON ROAD, WILLENHALL HA1/2	-	Y	N/A
A	56m W	395934 298627	PINSON ROAD, WILLENHALL HA1/CP	-	Y	N/A
A	56m N	395997 298676	PINSON ROAD, WILLENHALL HA2/82	-	Y	N/A
A	57m W	395931 298582	PINSON ROAD, WILLENHALL HA1/11	-	Y	N/A
A	58m W	395931 298562	PINSON ROAD, WILLENHALL HA2/9	-	Y	N/A
A	58m W	395933 298633	PINSON ROAD, WILLENHALL BH2	-	Y	N/A
A	59m NW	395935 298640	PINSON ROAD, WILLENHALL HA2/CP	-	Y	N/A
A	60m NW	395936 298645	PINSON ROAD, WILLENHALL TP2	-	Y	N/A
A	62m N	396025 298675	PINSON ROAD, WILLENHALL HA3/86	-	Y	N/A
A	62m W	395927 298564	PINSON ROAD, WILLENHALL HA3/9	-	Y	N/A
A	62m N	396043 298671	PINSON ROAD, WILLENHALL BH4	-	Y	N/A
A	65m N	396008 298683	PINSON ROAD, WILLENHALL HA2/83	-	Y	N/A
A	65m NW	395963 298678	PINSON ROAD, WILLENHALL HA1/76	-	Y	N/A
A	66m NW	395943 298665	PINSON ROAD, WILLENHALL HA1/73	-	Y	N/A
A	67m N	396031 298679	PINSON ROAD, WILLENHALL HA2/86	-	Y	N/A
A	67m NW	395935 298657	PINSON ROAD, WILLENHALL TP1	-	Y	N/A
A	67m NW	395948 298671	PINSON ROAD, WILLENHALL HA3/74	-	Y	N/A
A	70m NW	395934 298660	PINSON ROAD, WILLENHALL HA1/72	-	Y	N/A
A	70m N	395993 298690	PINSON ROAD, WILLENHALL HA1/82	-	Y	N/A
A	70m NW	395930 298655	PINSON ROAD, WILLENHALL HA3/71	-	Y	N/A
A	71m W	395919 298557	PINSON ROAD, WILLENHALL HA1/+9	-	Y	N/A
A	72m N	396000 298691	PINSON ROAD, WILLENHALL HA1/83	-	Y	N/A
A	72m W	395915 298615	PINSON ROAD, WILLENHALL HA6/68	-	Y	N/A
A	72m W	395917 298627	PINSON ROAD, WILLENHALL HA6/CP	-	Y	N/A
A	73m W	395914 298607	PINSON ROAD, WILLENHALL HA5/68	-	Y	N/A
A	76m N	396027 298689	PINSON ROAD, WILLENHALL HA1/86	-	Y	N/A
A	76m W	395918 298643	PINSON ROAD, WILLENHALL HA4/CP	-	Y	N/A

ID	Location	Grid reference	Name	Length	Confidential	Web link
A	77m NW	395918 298647	PINSON ROAD, WILLENHALL HA3/CP	-	Y	N/A
A	77m W	395910 298617	PINSON ROAD, WILLENHALL HA4/68	-	Y	N/A
A	80m N	396019 298696	PINSON ROAD, WILLENHALL TP5	-	Y	N/A
A	80m W	395908 298568	PINSON ROAD, WILLENHALL HA3/11	-	Y	N/A
A	81m W	395906 298596	PINSON ROAD, WILLENHALL HA3/66	-	Y	N/A
A	82m W	395906 298583	PINSON ROAD, WILLENHALL HA2/64	-	Y	N/A
A	82m W	395906 298571	PINSON ROAD, WILLENHALL HA2/11	-	Y	N/A
A	82m W	395909 298636	PINSON ROAD, WILLENHALL HA5/CP	-	Y	N/A
B	82m N	396073 298684	PINSON ROAD, WILLENHALL HA2/35	-	Y	N/A
B	85m N	396086 298683	PINSON ROAD, WILLENHALL HA1/35	-	Y	N/A
A	85m W	395903 298622	PINSON ROAD, WILLENHALL HA3/68	-	Y	N/A
A	86m W	395901 298588	PINSON ROAD, WILLENHALL HA3/64	-	Y	N/A
A	87m W	395900 298599	PINSON ROAD, WILLENHALL HA2/66	-	Y	N/A
A	87m W	395901 298622	PINSON ROAD, WILLENHALL HA2/68	-	Y	N/A
B	90m N	396080 298690	FIELD STREET, WILLENHALL, 4	-	Y	N/A
A	94m W	395894 298619	PINSON ROAD, WILLENHALL HA1/68	-	Y	N/A
C	95m SE	396150 298520	GOMER STREET, WILLENHALL NO.1	-	Y	N/A
C	95m SE	396150 298520	GOMER STREET, WILLENHALL NO.2	-	Y	N/A
C	95m SE	396150 298520	GOMER STREET, WILLENHALL NO.3	-	Y	N/A
C	95m SE	396150 298520	GOMER STREET, WILLENHALL NO.4	-	Y	N/A
B	96m N	396074 298698	PINSON ROAD, WILLENHALL HA3/34	-	Y	N/A
A	97m W	395898 298534	PINSON ROAD, WILLENHALL HA3/56	-	Y	N/A
B	98m N	396086 298697	PINSON ROAD, WILLENHALL HA1/34	-	Y	N/A
A	99m W	395893 298545	PINSON ROAD, WILLENHALL HA3/58	-	Y	N/A
A	100m W	395891 298551	PINSON ROAD, WILLENHALL HA2/58	-	Y	N/A
A	101m W	395886 298609	PINSON ROAD, WILLENHALL HA1/66	-	Y	N/A
A	105m W	395882 298597	PINSON ROAD, WILLENHALL HA1/64	-	Y	N/A
B	106m N	396089 298704	PINSON ROAD, WILLENHALL HA2/34	-	Y	N/A

ID	Location	Grid reference	Name	Length	Confidential	Web link
B	107m N	396073 298709	PINSON ROAD, WILLENHALL HA4/93	-	Y	N/A
B	108m N	396061 298714	PINSON ROAD, WILLENHALL HA1/92	-	Y	N/A
A	109m W	395885 298538	PINSON ROAD, WILLENHALL HA2/56	-	Y	N/A
B	111m N	396080 298712	PINSON ROAD, WILLENHALL HA5/93	-	Y	N/A
A	112m W	395886 298519	PINSON ROAD, WILLENHALL HA2/53	-	Y	N/A
B	114m N	396079 298715	PINSON ROAD, WILLENHALL HA6/93	-	Y	N/A
A	114m W	395885 298515	PINSON ROAD, WILLENHALL HA3/53	-	Y	N/A
A	116m W	395872 298567	PINSON ROAD, WILLENHALL HA2/60	-	Y	N/A
B	120m N	396080 298721	PINSON ROAD, WILLENHALL HA1/93	-	Y	N/A
A	120m W	395868 298571	PINSON ROAD, WILLENHALL HA1/60	-	Y	N/A
A	129m W	395863 298540	PINSON ROAD, WILLENHALL HA1/56	-	Y	N/A
B	130m N	396094 298728	PINSON ROAD, WILLENHALL HA3/93	-	Y	N/A
B	136m N	396100 298732	PINSON ROAD, WILLENHALL HA2/93	-	Y	N/A
A	136m W	395861 298521	PINSON ROAD, WILLENHALL TP4	-	Y	N/A
A	140m W	395857 298521	PINSON ROAD, WILLENHALL HA1/53	-	Y	N/A
3	162m N	396080 298764	PINSON ROAD, WILLENHALL TP3	-	Y	N/A
4	198m S	396130 298370	DEVELOP SITE CHAPEL STREET WALLENHALL 4	10.89	N	285246 ↗
5	214m SW	395800 298460	ASTON ROAD SUMMER STREET SEWERS BH3	6.0	N	285867 ↗
D	215m NE	396170 298790	WILLENHALL STATION 5	8.5	N	287639 ↗
D	215m NE	396170 298790	WILLENHALL STATION TP 4	3.0	N	287644 ↗
6	229m SE	396160 298350	DEVELOP SITE CHAPEL ST WALLENHALL 3	11.12	N	285245 ↗
7	229m SW	395830 298390	ASTON ROAD SUMMER STREET SEWERS BH2	5.0	N	285866 ↗
8	231m SW	395850 298370	ASTON ROAD SUMMER STREET SEWERS BH1	5.0	N	285865 ↗
9	238m W	395750 298570	ASTON ROAD SUMMER STREET SEWERS BH4	6.55	N	285868 ↗
E	238m N	396130 298830	WILLENHALL STATION 6	10.5	N	287640 ↗
E	238m N	396130 298830	WILLENHALL STATION TP 3	3.0	N	287643 ↗
F	242m NE	396220 298790	WILLENHALL STATION 4	14.0	N	287638 ↗
F	242m NE	396220 298790	WILLENHALL STATION TP 5	3.0	N	287645 ↗

This data is sourced from the British Geological Survey.

17 Natural ground subsidence - Shrink swell clays



Site Outline

Search buffers in metres (m)

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

17.1 Shrink swell clays

Records within 50m	1

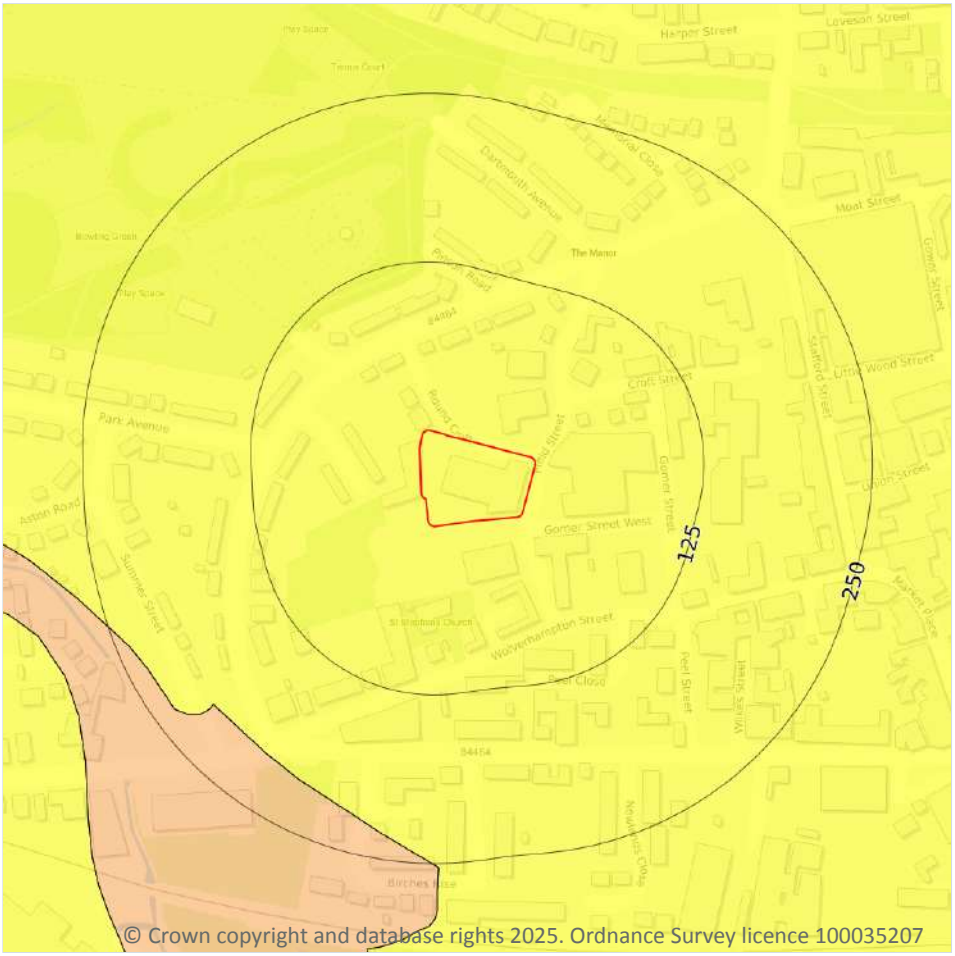
The potential hazard presented by soils that absorb water when wet (making them swell), and lose water as they dry (making them shrink). This shrink-swell behaviour is controlled by the type and amount of clay in the soil, and by seasonal changes in the soil moisture content (related to rainfall and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

Features are displayed on the Natural ground subsidence - Shrink swell clays map on **page 134 >**

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

This data is sourced from the British Geological Survey.

Natural ground subsidence - Running sands



Site Outline

Search buffers in metres (m)

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

17.2 Running sands

Records within 50m	1

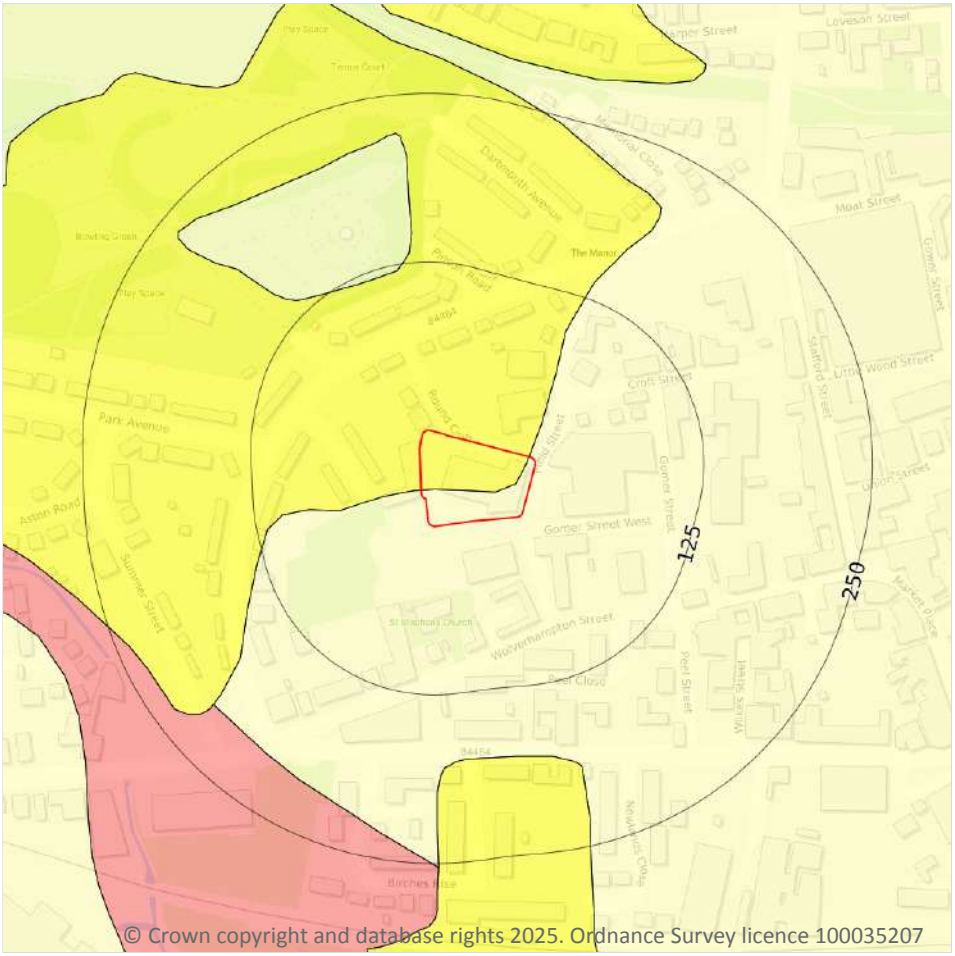
The potential hazard presented by rocks that can contain loosely-packed sandy layers that can become fluidised by water flowing through them. Such sands can 'run', removing support from overlying buildings and causing potential damage.

Features are displayed on the Natural ground subsidence - Running sands map on **page 135 >**

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

This data is sourced from the British Geological Survey.

Natural ground subsidence - Compressible deposits



Site Outline

Search buffers in metres (m)

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

17.3 Compressible deposits

Records within 50m	2

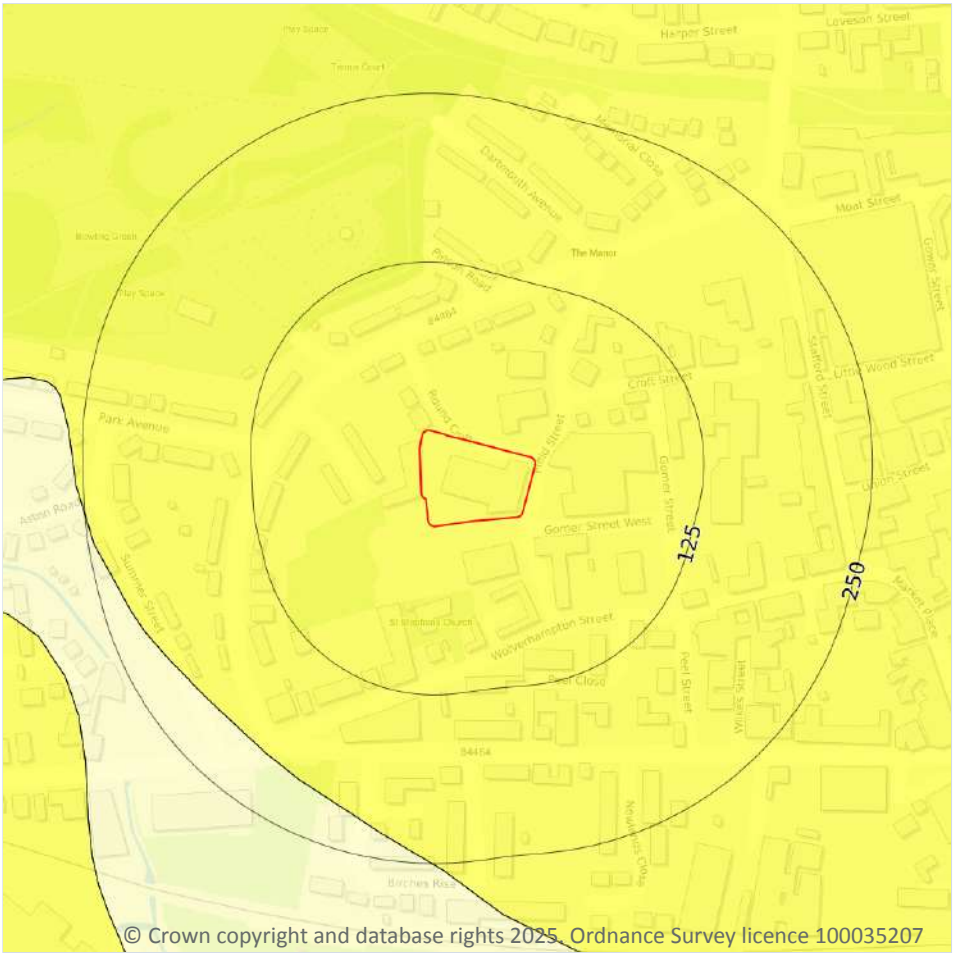
The potential hazard presented by types of ground that may contain layers of very soft materials like clay or peat and may compress if loaded by overlying structures, or if the groundwater level changes, potentially resulting in depression of the ground and disturbance of foundations.

Features are displayed on the Natural ground subsidence - Compressible deposits map on **page 136 >**

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.**

This data is sourced from the British Geological Survey.

Natural ground subsidence - Collapsible deposits



Site Outline

Search buffers in metres (m)

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

17.4 Collapsible deposits

Records within 50m	1

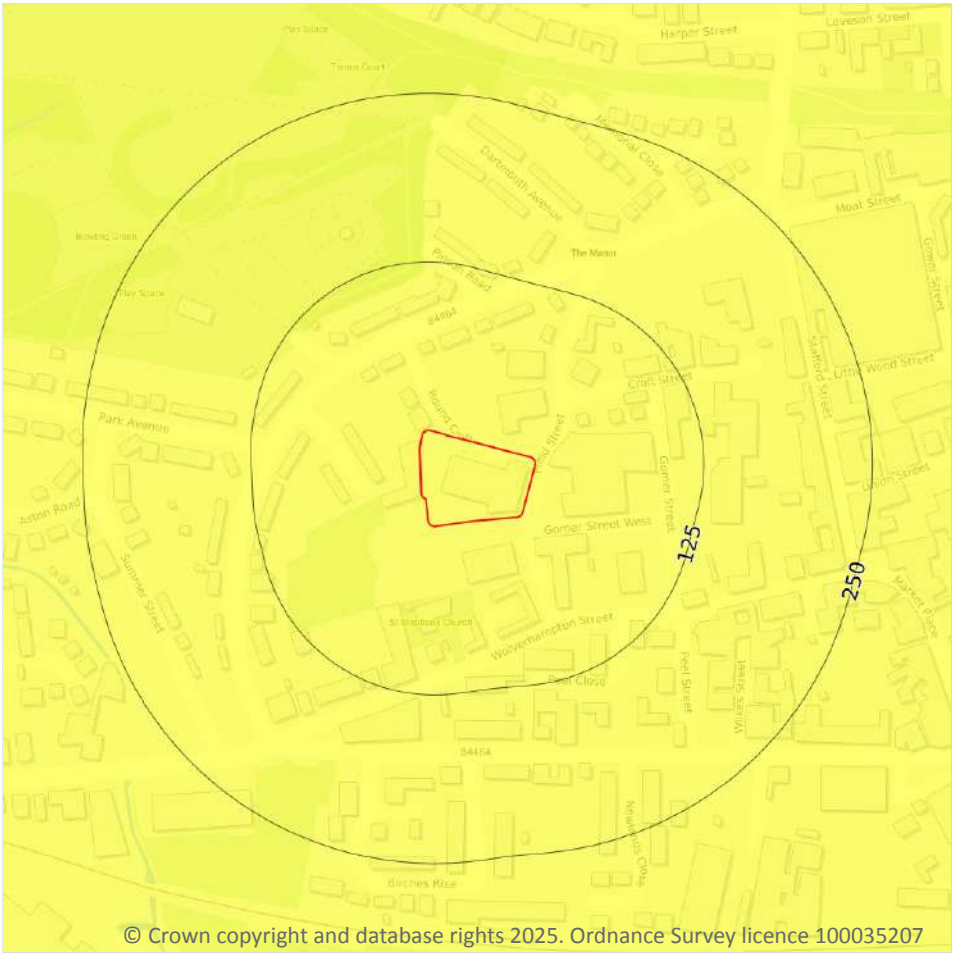
The potential hazard presented by natural deposits that could collapse when a load (such as a building) is placed on them or they become saturated with water.

Features are displayed on the Natural ground subsidence - Collapsible deposits map on **page 138 >**

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

This data is sourced from the British Geological Survey.

Natural ground subsidence - Landslides



Site Outline

Search buffers in metres (m)

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

17.5 Landslides

Records within 50m	1

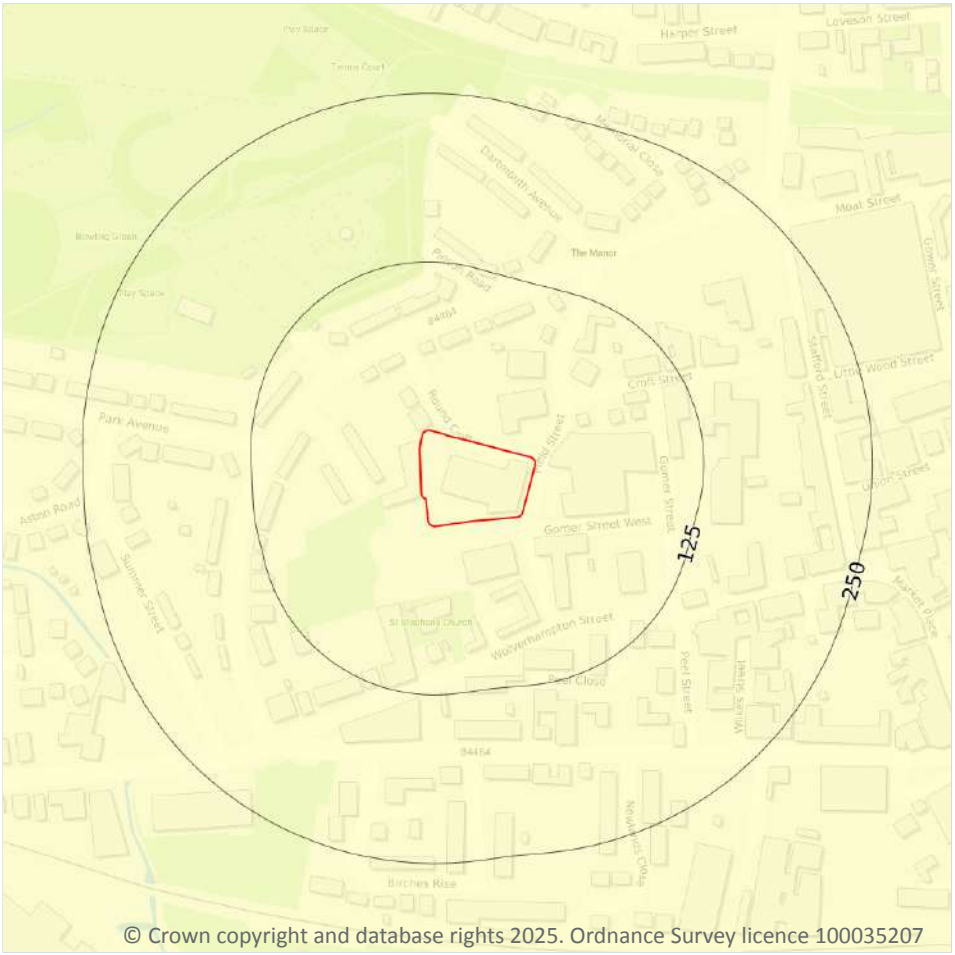
The potential for landsliding (slope instability) to be a hazard assessed using 1:50,000 scale digital maps of superficial and bedrock deposits, combined with information from the BGS National Landslide Database and scientific and engineering reports.

Features are displayed on the Natural ground subsidence - Landslides map on **page 139 >**

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

This data is sourced from the British Geological Survey.

Natural ground subsidence - Ground dissolution of soluble rocks



Site Outline

Search buffers in metres (m)

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

17.6 Ground dissolution of soluble rocks

Records within 50m	1

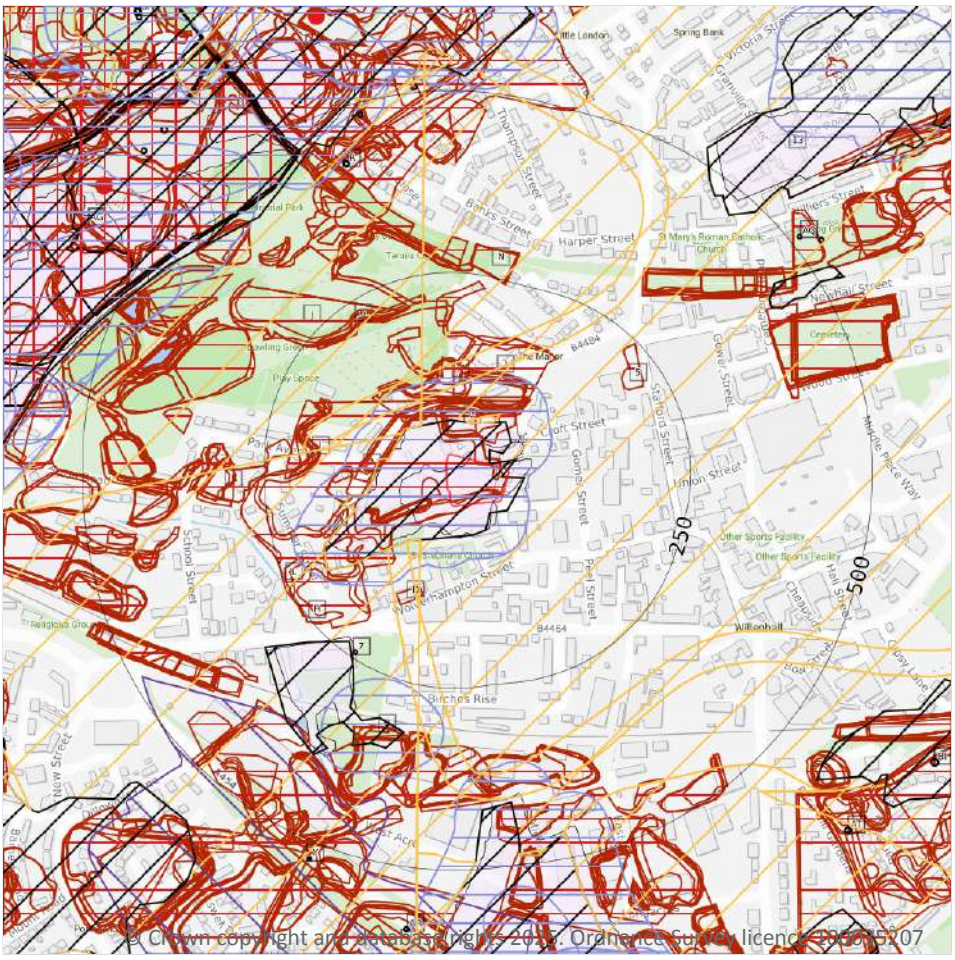
The potential hazard presented by ground dissolution, which occurs when water passing through soluble rocks produces underground cavities and cave systems. These cavities reduce support to the ground above and can cause localised collapse of the overlying rocks and deposits.

Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on **page 140 >**

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

This data is sourced from the British Geological Survey.

18 Mining and ground workings



Site Outline

Search buffers in metres (m)

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

Non Coal Mining

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

18.1 BritPits

Records within 500m	0

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.

This data is sourced from the British Geological Survey.

18.2 Surface ground workings

Records within 250m	53

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

Features are displayed on the Mining and ground workings map on **page 142 >**

ID	Location	Land Use	Year of mapping	Mapping scale
A	**On site**	**Unspecified Heap**	**1885**	**1:10560**
A	**On site**	**Unspecified Ground Workings**	**1901**	**1:10560**
A	**On site**	**Unspecified Ground Workings**	**1886**	**1:10560**
A	12m SW	Unspecified Pit	1901	1:10560
C	23m N	Pond	1919	1:10560
C	24m N	Unspecified Ground Workings	1919	1:10560
C	24m N	Unspecified Ground Workings	1901	1:10560
A	26m W	Unspecified Ground Workings	1919	1:10560
A	28m SW	Unspecified Ground Workings	1938	1:10560
A	28m SW	Unspecified Ground Workings	1920	1:10560
C	30m N	Unspecified Pit	1968	1:10560
A	30m W	Unspecified Ground Workings	1938	1:10560
A	30m W	Unspecified Ground Workings	1919	1:10560
C	59m NW	Refuse Heap	1920	1:10560
C	61m NW	Unspecified Ground Workings	1919	1:10560
C	66m N	Unspecified Ground Workings	1920	1:10560
C	69m N	Unspecified Ground Workings	1938	1:10560
A	75m NW	Unspecified Pit	1920	1:10560
1	76m N	Unspecified Ground Workings	1901	1:10560
C	77m N	Unspecified Ground Workings	1919	1:10560
C	80m N	Unspecified Ground Workings	1919	1:10560
C	95m NW	Unspecified Ground Workings	1901	1:10560
F	96m N	Unspecified Ground Workings	1885	1:10560

ID	Location	Land Use	Year of mapping	Mapping scale
F	96m N	Unspecified Ground Workings	1886	1:10560
C	98m N	Pond	1919	1:10560
D	120m SW	Pond	1901	1:10560
A	129m W	Unspecified Pit	1901	1:10560
A	130m W	Pond	1885	1:10560
H	133m SW	Unspecified Ground Workings	1886	1:10560
H	145m W	Pond	1886	1:10560
H	146m W	Pond	1885	1:10560
H	150m W	Pond	1885	1:10560
F	162m NW	Pond	1885	1:10560
F	162m NW	Pond	1886	1:10560
I	172m W	Unspecified Ground Workings	1919	1:10560
I	174m W	Unspecified Ground Workings	1919	1:10560
I	174m W	Unspecified Ground Workings	1901	1:10560
F	176m N	Unspecified Ground Workings	1919	1:10560
I	179m W	Unspecified Ground Workings	1920	1:10560
5	196m NE	Unspecified Ground Workings	1968	1:10560
J	206m NW	Unspecified Heap	1938	1:10560
J	206m NW	Unspecified Ground Workings	1920	1:10560
J	206m NW	Unspecified Ground Workings	1919	1:10560
6	208m N	Unspecified Ground Workings	1901	1:10560
J	210m N	Unspecified Ground Workings	1919	1:10560
K	213m W	Ponds	1886	1:10560
L	217m W	Refuse Heap	1901	1:10560
L	245m W	Pond	1885	1:10560
N	245m N	Cuttings	1968	1:10560
N	245m N	Cuttings	1974	1:10000
N	246m N	Cuttings	1980	1:10000

ID	Location	Land Use	Year of mapping	Mapping scale
N	246m N	Cuttings	1988	1:10000
K	247m W	Water Bodies	1885	1:10560

This is data is sourced from Ordnance Survey/Groundsure.

18.3 Underground workings

Records within 1000m	**127**

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

Features are displayed on the Mining and ground workings map on **page 142 >**

ID	Location	Land Use	Year of mapping	Mapping scale
7	239m SW	Coal Pit	1885	1:10560
R	421m N	Unspecified Shaft	1938	1:10560
R	421m N	Old Trial Shaft	1901	1:10560
R	421m N	Unspecified Shaft	1919	1:10560
AG	437m NW	Disused Colliery	1920	1:10560
AG	437m NW	Disused Colliery	1919	1:10560
AG	437m NW	Disused Colliery	1938	1:10560
AG	441m NW	Colliery	1901	1:10560
R	480m N	Old Coal Shafts	1901	1:10560
R	504m N	Old Coal Shafts	1901	1:10560
AQ	511m NE	Air Shafts	1885	1:10560
Y	521m S	Unspecified Old Shaft	1885	1:10560
AQ	531m NE	Air Shafts	1885	1:10560
AR	582m S	Coal Shaft	1938	1:10560
AR	582m S	Coal Shaft	1920	1:10560
AR	582m S	Coal Shaft	1919	1:10560
AR	582m S	Coal Shaft	1901	1:10560
AG	589m NW	Air Shaft	1901	1:10560

ID	Location	Land Use	Year of mapping	Mapping scale
AG	590m NW	Unspecified Shaft	1901	1:10560
AT	654m SE	Unspecified Old Shaft	1920	1:10560
AT	654m SE	Unspecified Old Shaft	1901	1:10560
AT	654m SE	Unspecified Old Shaft	1921	1:10560
BJ	656m NW	Disused Colliery	1938	1:10560
BJ	656m NW	Disused Colliery	1901	1:10560
BJ	656m NW	Disused Colliery	1919	1:10560
-	683m S	Coal Shaft	1938	1:10560
-	683m S	Coal Shaft	1920	1:10560
-	683m S	Coal Shaft	1919	1:10560
-	683m S	Coal Shaft	1901	1:10560
-	685m S	Unspecified Old Shaft	1955	1:10560
BI	692m SE	Unspecified Old Shafts	1920	1:10560
BI	692m SE	Unspecified Old Shafts	1901	1:10560
BI	692m SE	Unspecified Old Shafts	1921	1:10560
BP	694m SW	Colliery	1919	1:10560
18	694m SW	Colliery	1938	1:10560
-	702m SW	Colliery	1920	1:10560
-	725m S	Unspecified Old Shaft	1885	1:10560
BN	734m NW	Old Coal Shafts	1901	1:10560
BN	741m NW	Unspecified Old Shaft	1938	1:10560
BN	741m NW	Unspecified Old Shaft	1920	1:10560
BN	741m NW	Unspecified Old Shaft	1919	1:10560
-	752m SE	Unspecified Old Shafts	1920	1:10560
-	752m SE	Unspecified Old Shafts	1901	1:10560
-	752m SE	Unspecified Old Shafts	1921	1:10560
-	763m SW	Old Coal Shaft	1919	1:10560
-	763m SW	Old Coal Shaft	1901	1:10560

ID	Location	Land Use	Year of mapping	Mapping scale
-	763m SW	Coal Shaft	1938	1:10560
-	763m SW	Coal Shaft	1920	1:10560
-	765m S	Old Coal Shafts	1901	1:10560
-	768m SW	Unspecified Old Shaft	1885	1:10560
-	771m S	Unspecified Old Shaft	1885	1:10560
-	782m W	Old Coal Shaft	1938	1:10560
-	787m W	Old Coal Shaft	1919	1:10560
-	787m W	Old Coal Shaft	1901	1:10560
-	789m N	Coal Shafts	1901	1:10560
-	790m S	Old Coal Shafts	1901	1:10560
-	798m SE	Unspecified Old Shafts	1885	1:10560
-	803m S	Old Coal Shaft	1938	1:10560
-	803m S	Old Coal Shaft	1920	1:10560
-	803m S	Old Coal Shaft	1919	1:10560
-	803m S	Old Coal Shaft	1901	1:10560
-	805m N	Unspecified Old Shafts	1938	1:10560
-	805m N	Coal Shafts	1901	1:10560
-	805m N	Unspecified Old Shafts	1920	1:10560
-	805m N	Unspecified Old Shafts	1919	1:10560
-	806m S	Unspecified Old Shaft	1885	1:10560
-	826m SE	Unspecified Old Shafts	1885	1:10560
-	831m SE	Unspecified Old Shafts	1885	1:10560
-	831m NW	Unspecified Old Shafts	1938	1:10560
-	831m NW	Unspecified Old Shafts	1920	1:10560
-	831m NW	Unspecified Old Shafts	1919	1:10560
-	839m SW	Unspecified Old Shaft	1885	1:10560
-	840m SE	Unspecified Old Shaft	1885	1:10560
-	841m SE	Unspecified Old Shaft	1885	1:10560

ID	Location	Land Use	Year of mapping	Mapping scale
-	850m NE	Coal Pit	1885	1:10560
-	852m NE	Unspecified Old Shaft	1885	1:10560
-	880m NE	Coal Pit	1885	1:10560
-	880m S	Old Coal Shafts	1901	1:10560
-	880m NE	Coal Pit	1885	1:10560
-	885m S	Unspecified Old Shaft	1885	1:10560
-	900m E	Unspecified Old Shafts	1938	1:10560
-	900m E	Unspecified Old Shafts	1920	1:10560
-	900m E	Unspecified Shafts	1901	1:10560
-	900m E	Unspecified Old Shafts	1921	1:10560
-	900m E	Unspecified Old Shafts	1938	1:10560
-	902m E	Unspecified Old Shaft	1885	1:10560
-	904m SW	Old Coal Shaft	1901	1:10560
-	906m SW	Unspecified Old Shafts	1885	1:10560
-	910m NE	Colliery	1885	1:10560
-	912m SW	Unspecified Old Shafts	1885	1:10560
-	914m NW	Unspecified Old Shafts	1938	1:10560
-	914m NW	Unspecified Old Shafts	1920	1:10560
-	914m NW	Unspecified Old Shafts	1919	1:10560
-	919m NW	Old Coal Shaft	1901	1:10560
-	919m SE	Unspecified Old Shaft	1920	1:10560
-	919m SE	Unspecified Old Shaft	1901	1:10560
-	919m SE	Unspecified Old Shaft	1921	1:10560
-	921m S	Old Coal Shafts	1901	1:10560
-	924m SE	Unspecified Shaft	1885	1:10560
-	926m W	Unspecified Disused Shaft	1968	1:10560
-	926m W	Unspecified Disused Shaft	1974	1:10000
-	929m E	Unspecified Old Shafts	1938	1:10560

ID	Location	Land Use	Year of mapping	Mapping scale
-	929m E	Unspecified Old Shafts	1920	1:10560
-	929m E	Unspecified Shafts	1901	1:10560
-	929m E	Unspecified Old Shafts	1921	1:10560
-	929m E	Unspecified Old Shafts	1938	1:10560
-	944m NW	Old Coal Shaft	1901	1:10560
-	958m SE	Unspecified Old Shaft	1920	1:10560
-	958m SE	Unspecified Old Shaft	1901	1:10560
-	958m SE	Unspecified Old Shaft	1921	1:10560
-	958m SE	Unspecified Old Shaft	1885	1:10560
-	961m N	Old Coal Shaft	1901	1:10560
-	970m SW	Unspecified Old Shaft	1919	1:10560
-	972m SW	Unspecified Old Shaft	1920	1:10560
-	972m SW	Unspecified Old Shaft	1938	1:10560
-	974m SW	Unspecified Old Shaft	1885	1:10560
-	975m W	Old Coal Shafts	1938	1:10560
-	975m W	Old Coal Shafts	1920	1:10560
-	975m W	Old Coal Shafts	1919	1:10560
-	983m S	Old Coal Shafts	1901	1:10560
-	984m NW	Old Coal Shaft	1938	1:10560
-	984m NW	Old Coal Shaft	1901	1:10560
-	984m NW	Old Coal Shaft	1920	1:10560
-	984m NW	Old Coal Shaft	1919	1:10560
-	990m W	Disused Colliery	1919	1:10560
-	992m W	Disused Colliery	1938	1:10560
-	998m E	Unspecified Shafts	1885	1:10560

This is data is sourced from Ordnance Survey/Groundsure.

18.4 Underground mining extents

Records within 500m	9

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

Features are displayed on the Mining and ground workings map on **page 142 >**

ID	Location	Mineral	Mineral type
A	**On site**		**Ironstone**
A	**On site**		**Fireclay**
M	229m SW		Fireclay
X	403m S		Ironstone
AG	443m NW		Fireclay
AG	448m NW		Ironstone
R	474m NW		Fireclay
AG	477m NW		Ironstone
13	486m NE		Fireclay

This data is sourced from Groundsure.

18.5 Historical Mineral Planning Areas

Records within 500m	1

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 and ground workings map on **page 142 >**

ID	Location	Site Name	Mineral	Type	Planning Status	Planning Status Date
Y	368m SW	Portobello	Clay	Surface mineral working	Refused	Not available

This data is sourced from the British Geological Survey.

18.6 Non-coal mining

Records within 1000m	67

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

Features are displayed on the Mining and ground workings map on **page 142 >**

ID	Location	Name	Commodity	Class	Likelihood
A	**On site**	**Black country**	**Ironstone**	**E**	**Underground mining is known or considered likely within or very close to the area. The location, extent and nature of mining should be considered in any site investigation. Potential for difficult ground conditions should be considered.**
B	**On site**	**Not available**	**Iron Ore (Bedded)**	**B**	**Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.**
C	48m N	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
A	56m NW	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
D	64m SW	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
E	71m NW	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
D	78m SW	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.

ID	Location	Name	Commodity	Class	Likelihood
2	85m N	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
A	85m NW	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
3	116m N	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
G	116m N	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
4	152m S	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
M	234m SW	Black country	Ironstone	E	Underground mining is known or considered likely within or very close to the area. The location, extent and nature of mining should be considered in any site investigation. Potential for difficult ground conditions should be considered.
9	289m S	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
11	414m S	Black country	Ironstone	E	Underground mining is known or considered likely within or very close to the area. The location, extent and nature of mining should be considered in any site investigation. Potential for difficult ground conditions should be considered.
AI	419m NW	Black country	Ironstone	E	Underground mining is known or considered likely within or very close to the area. The location, extent and nature of mining should be considered in any site investigation. Potential for difficult ground conditions should be considered.

ID	Location	Name	Commodity	Class	Likelihood
Q	426m NE	Black country	Ironstone	E	Underground mining is known or considered likely within or very close to the area. The location, extent and nature of mining should be considered in any site investigation. Potential for difficult ground conditions should be considered.
AJ	431m S	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
AN	464m NE	Black country	Ironstone	E	Underground mining is known or considered likely within or very close to the area. The location, extent and nature of mining should be considered in any site investigation. Potential for difficult ground conditions should be considered.
AP	478m S	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
X	482m S	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
R	492m N	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
R	509m N	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
R	522m N	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
AT	538m SE	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.

ID	Location	Name	Commodity	Class	Likelihood
14	567m SW	Black country	Ironstone	E	Underground mining is known or considered likely within or very close to the area. The location, extent and nature of mining should be considered in any site investigation. Potential for difficult ground conditions should be considered.
15	569m SE	Black country	Ironstone	E	Underground mining is known or considered likely within or very close to the area. The location, extent and nature of mining should be considered in any site investigation. Potential for difficult ground conditions should be considered.
BD	604m NW	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
-	656m S	Black country	Ironstone	E	Underground mining is known or considered likely within or very close to the area. The location, extent and nature of mining should be considered in any site investigation. Potential for difficult ground conditions should be considered.
BO	684m NW	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
BL	700m SW	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
-	724m W	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
AJ	727m SE	Black country	Ironstone	E	Underground mining is known or considered likely within or very close to the area. The location, extent and nature of mining should be considered in any site investigation. Potential for difficult ground conditions should be considered.
-	730m N	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.

ID	Location	Name	Commodity	Class	Likelihood
-	744m S	Black country	Ironstone	E	Underground mining is known or considered likely within or very close to the area. The location, extent and nature of mining should be considered in any site investigation. Potential for difficult ground conditions should be considered.
-	772m SE	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
-	775m NE	Black country	Ironstone	E	Underground mining is known or considered likely within or very close to the area. The location, extent and nature of mining should be considered in any site investigation. Potential for difficult ground conditions should be considered.
-	783m W	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
CA	790m SW	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
-	809m N	Black country	Ironstone	E	Underground mining is known or considered likely within or very close to the area. The location, extent and nature of mining should be considered in any site investigation. Potential for difficult ground conditions should be considered.
CA	817m SW	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
-	820m W	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
-	838m SW	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.

ID	Location	Name	Commodity	Class	Likelihood
-	854m NE	Black country	Ironstone	E	Underground mining is known or considered likely within or very close to the area. The location, extent and nature of mining should be considered in any site investigation. Potential for difficult ground conditions should be considered.
-	858m W	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
-	877m SW	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
-	877m NW	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
-	878m SE	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
-	884m NW	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
-	900m SW	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
-	903m NE	Black country	Ironstone	E	Underground mining is known or considered likely within or very close to the area. The location, extent and nature of mining should be considered in any site investigation. Potential for difficult ground conditions should be considered.
-	920m SE	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.

ID	Location	Name	Commodity	Class	Likelihood
-	920m N	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
-	925m SW	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
-	928m SW	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
-	935m NW	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
-	941m SE	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
-	943m NE	Black country	Ironstone	E	Underground mining is known or considered likely within or very close to the area. The location, extent and nature of mining should be considered in any site investigation. Potential for difficult ground conditions should be considered.
-	951m N	Black country	Ironstone	E	Underground mining is known or considered likely within or very close to the area. The location, extent and nature of mining should be considered in any site investigation. Potential for difficult ground conditions should be considered.
-	954m E	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
-	959m SW	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.

ID	Location	Name	Commodity	Class	Likelihood
-	961m NW	Black country	Ironstone	E	Underground mining is known or considered likely within or very close to the area. The location, extent and nature of mining should be considered in any site investigation. Potential for difficult ground conditions should be considered.
-	966m NW	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
-	971m W	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
-	987m W	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
-	988m W	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
-	993m W	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.

This data is sourced from the British Geological Survey.

18.7 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.

18.8 The Coal Authority non-coal mining

Records within 500m	**7**

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

Features are displayed on the Mining and ground workings map on **page 142 >**

ID	Location	Mineral type	Mineral
A	**On site**	**Metals**	**Ironstone**
O	253m S	Metals	Ironstone
X	358m S	Metals	Ironstone
AG	406m NW	Metals	Ironstone
AG	413m NW	Metals	Ironstone
AG	433m NW	Metals	Ironstone
R	474m N	Metals	Ironstone

This data is sourced from The Coal Authority.

18.9 Researched mining

Records within 500m	**2**

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

Location	Mineral type
479m SW	Stone
495m NE	Unspecified

This data is sourced from Groundsure.

18.10 Mining record office plans

Records within 500m	**0**

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

This data is sourced from Groundsure.

18.11 BGS mine plans

Records within 500m	**4**

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

Location	Mineral
On site	**Coal**
On site	**Coal**
On site	**Coal**
405m S	Ironstone

This data is sourced from Groundsure.

18.12 Coal mining

Records on site	**1**

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

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

This data is sourced from the Coal Authority.

18.13 Brine areas

Records on site	0

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

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

18.14 Gypsum areas

Records on site	0

Generalised areas that may be affected by gypsum extraction.

This data is sourced from British Gypsum.

18.15 Tin mining

Records on site	0

Generalised areas that may be affected by historical tin mining.

This data is sourced from Groundsure.

18.16 Clay mining

Records on site	0

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

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

19 Ground cavities and sinkholes

19.1 Natural cavities

Records within 500m	0

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

This data is sourced from Stantec UK Ltd.

19.2 Mining cavities

Records within 1000m	0

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

This data is sourced from Stantec UK Ltd.

19.3 Reported recent incidents

Records within 500m	0

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

This data is sourced from Groundsure.

19.4 Historical incidents

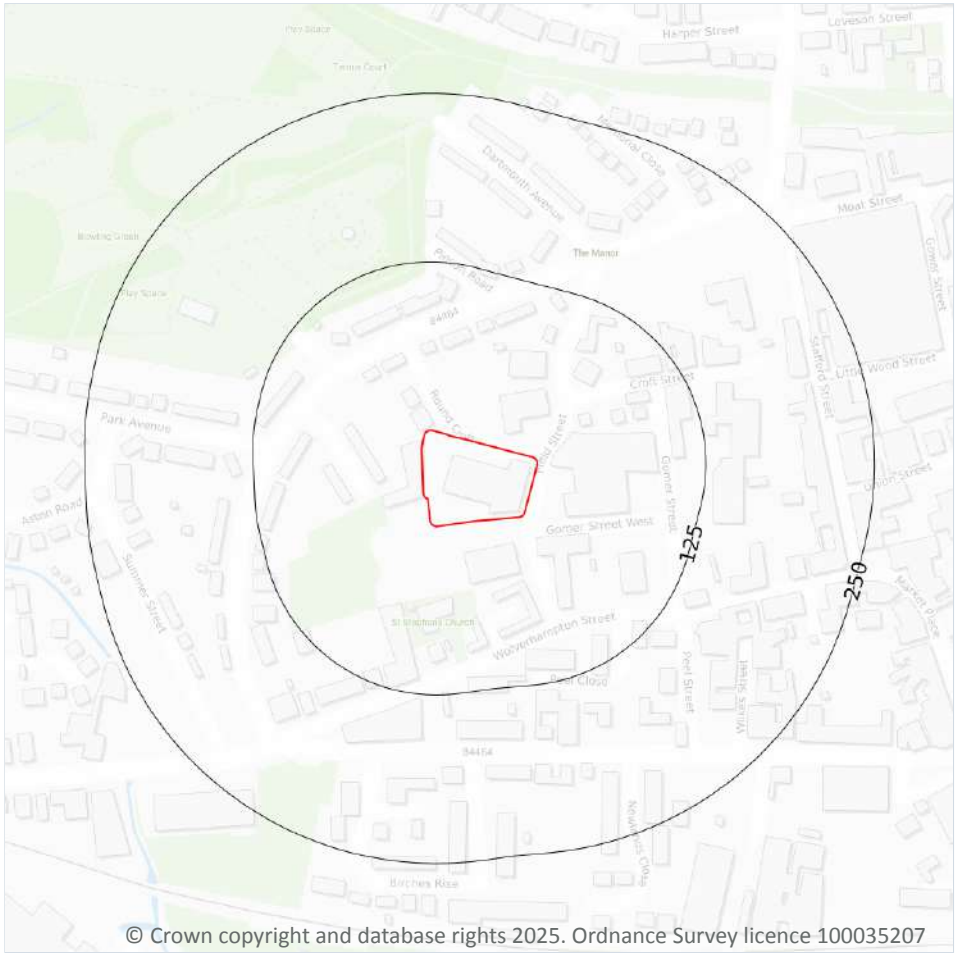
Records within 500m	0

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

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

This data is sourced from Groundsure.

20 Radon



Site Outline

Search buffers in metres (m)

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

20.1 Radon

Records on site	1

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

Features are displayed on the Radon map on **page 164 >**

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

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

21 Soil chemistry

21.1 BGS Estimated Background Soil Chemistry

Records within 50m	17

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

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**30 - 45 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**30 - 45 mg/kg**
1m N	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	30 - 45 mg/kg
1m N	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	30 - 45 mg/kg
23m NW	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
33m N	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
33m N	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
35m W	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
35m W	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
38m W	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
41m N	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
44m N	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	30 - 45 mg/kg
48m S	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
48m S	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	30 - 45 mg/kg
48m S	15 - 25 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 - 2.2 mg/kg	90 - 120 mg/kg	30 - 45 mg/kg

This data is sourced from the British Geological Survey.

21.2 BGS Estimated Urban Soil Chemistry

Records within 50m	0

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

This data is sourced from the British Geological Survey.

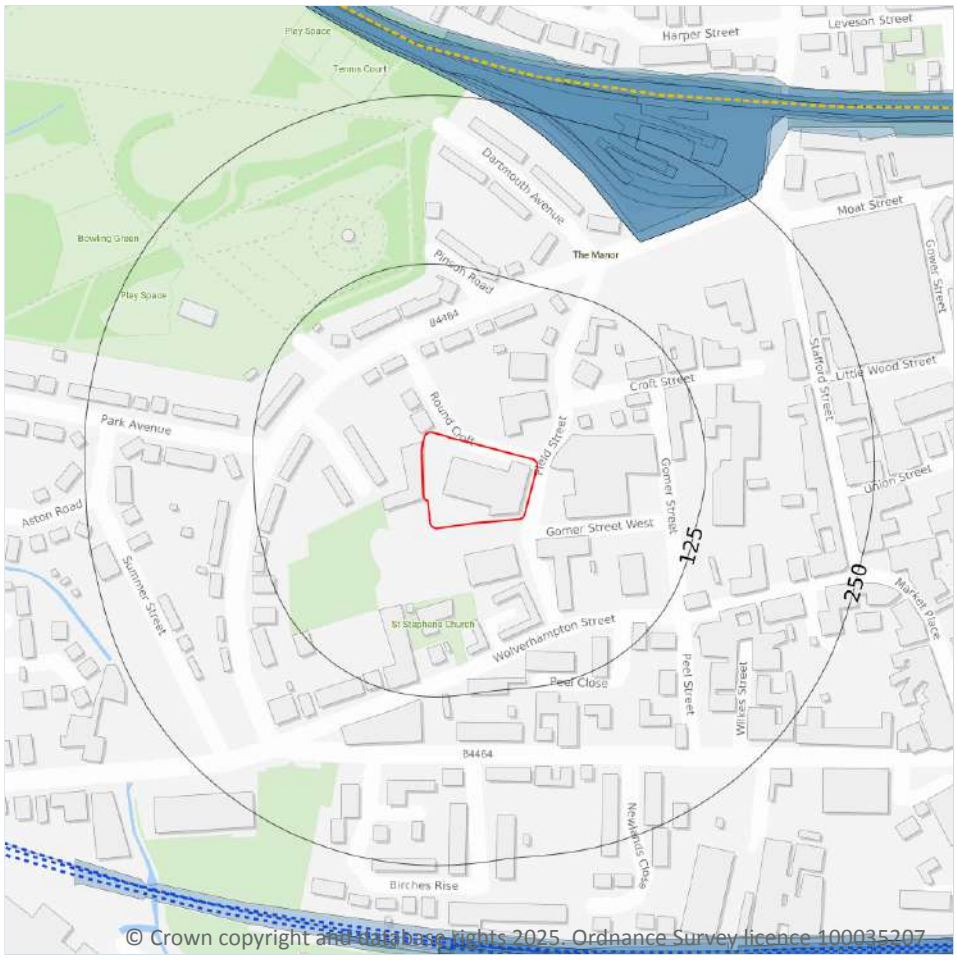
21.3 BGS Measured Urban Soil Chemistry

Records within 50m	0

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

This data is sourced from the British Geological Survey.

22 Railway infrastructure and projects



Site Outline

Search buffers in metres (m)

- Crossrail 2 Stations
- Crossrail 2 Route
- Crossrail 2 Worksites
- Crossrail 2 Safeguarding
- Crossrail 2 Headhouses
- Railway stations
- Active railways
- Active tunnels
- Abandoned railways
- Historic railways
- Historic tunnels
- Underground stations
- Underground Lines
- Royal Mail tunnels
- HS2 optimised route
- HS2 Stations
- HS2 Depots
- HS2 Surface Safeguarding
- HS2 Subsurface Safeguarding

22.1 Underground railways (London)

Records within 250m	0

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

This data is sourced from publicly available information by Groundsure.

22.2 Underground railways (Non-London)

Records within 250m	0

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

This data is sourced from publicly available information by Groundsure.

22.3 Railway tunnels

Records within 250m	0

Railway tunnels taken from contemporary Ordnance Survey mapping.

This data is sourced from the Ordnance Survey.

22.4 Historical railway and tunnel features

Records within 250m	17

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 168 >**

Location	Land Use	Year of mapping	Mapping scale
180m NE	Railway Sidings	1919	10560
180m NE	Railway Sidings	1901	10560
180m NE	Railway Sidings	1938	10560
180m NE	Railway Sidings	1920	10560
185m NE	Railway Sidings	1968	10560
196m N	Railway	1887	-
206m N	Railway Sidings	1955	10560
215m NE	Railway Sidings	1957	2500
215m NE	Railway Sidings	1965	2500
215m N	Railway Sidings	1956	1250
215m N	Railway Sidings	1885	10560
215m N	Railway Sidings	1886	10560
216m N	Railway Sidings	1919	2500
216m N	Railway Sidings	1902	2500
216m N	Railway Sidings	1887	2500
216m N	Railway Sidings	1919	10560
218m NE	Railway Sidings	1947	2500

This data is sourced from Ordnance Survey/Groundsure.

22.5 Royal Mail tunnels

Records within 250m	0

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

This data is sourced from Groundsure/the Postal Museum.

22.6 Historical railways

Records within 250m	0

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

This data is sourced from OpenStreetMap.

22.7 Railways

Records within 250m	0

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

This data is sourced from Ordnance Survey and OpenStreetMap.

22.8 Crossrail 2

Records within 500m	0

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

This data is sourced from publicly available information by Groundsure.

22.9 HS2

Records within 500m	0

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

This data is sourced from HS2 ltd.

Data providers

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

Terms and conditions

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

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Site Location: Units 1, 2 & 3 Round Croft, Field Street, Willenhall, West Midlands, WV13 2NP	Version: FINAL	Scale: 1:300	Grid reference: SO 96033 98587