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SUB SURFACE
Site Investigation Specialists,
Geotechnical & Environmental Consultants

DESK STUDY WITH WALKOVER SURVEY

FOR
AVANTIGAS LIMITED
HOLLOWAY BANK,
WEDNESBURY,
WEST MIDLANDS

PREPARED FOR
GGP CONSULT

REPORT NO. M3540
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SUB SURFACE MIDLANDS LIMITED
28 Brook House
Brook Street Business Centre
Brook Street
Tipton
West Midlands
DY4 9DD
Tel: (0121) 5208538 Fax: (0121) 5203878
Email: midlands@subsurface.co.uk
Website: www.subsurface.co.uk

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Sub Surface Midlands Limited
28 Brook House, Brook Street Business Centre, Brook Street, Tipton, West Midlands, DY4 9DD
Tel: 0121 5208538 Fax: 0121 5203878 Email: midlands@subsurface.co.uk

EXECUTIVE SUMMARY

This executive summary is a brief summary only and should be read in conjunction with the full report.

Section	Subject	Summary
Site Details	Site Address	AvantiGas Limited, Holloway Bank, Wednesbury, West Midlands, WS10 0AW
	Grid Reference	398792, 294166.
	Current Land Use	Bituminous macadam surfaced car park and an office block in the east, a vegetated slope down to the River Tame in the south, with the remainder used as a storage area for site materials and gas cylinders.
	Proposed Development	Remove the two site material and gas cylinder storage areas on concrete plinths from the site and install three new 40T LPG tanks with associated pumps and vehicle loading areas
Site History	On Site	Earliest survey (1888-1890) shows a Flour Mill in the east (demolished by 1913), and part of the River Tame in the north (dry by 1913 and infilled by 1947). Three ponds and a refuse heap on site from 1947 to 1964 when the site is depicted as part of a depot with a small building in the northeast (replaced by 1977). Tank in northeast from 1966 to 1985. New buildings in northwest, northeast, and east by 1992. Buildings and concrete plinths in the centre and east of the site in their present-day configuration by 2001.
	Beyond Site Boundary	Earliest survey (1888-1890) shows Holloway Bank adjacent to the east, River Tame adjacent to the south, and a railway bridge adjacent to the west (dismantled by 1985 and rebuilt by 2001). Three tube works (until 1938), a coach iron works (until 1938), and a smithy (until 1947) all shown. Colliery and shafts 180m to the northwest and 160m to the southwest from 1888 to 1901. Several refuse heaps from 1901 and 1919 until 1964, with a refuse tip 180m to the west from this date. Several foundries and metal works shown from 1947 and 1955 and then as unspecified works from 1964. Ponds 50m to the southwest and 180m to the east infilled by 1977.Garages 20m to the east (1977 to 1985), 40m to the southeast (1977 to 2001), and 60m to the north from 1977.
Geological Appraisal	Made Ground	'Artificial Deposits' indicated to be present within the site.
	Superficial Geology	Alluvium, generally comprising clay and silt.
	Bedrock Geology	Sandstone of the Pennine Coal Measures Group in the southeast. Thick Coal in the northwest. Mudstone, siltstone and sandstone of the Pennine Middle Coal Measures Formation in the far northwest corner.
	Subsidence Hazards	Very low to negligible.
	Mining	Probable shallow coal workings. Thick Coal sub-crops on site, possibly 6.5m below ground level, with Heathen Coal a further 12m below.
	Radon	No radon protection measures are required.
Environmental Appraisal	Industrial Land Uses	Unspecified depot, an unspecified pit, tube works, Avanti Gas and a tank on-site, an electricity substation adjacent to the north, unspecified ground workings 5m to the southwest, a works 6m to the north, a steel stockyard 7m to the northwest, a refuse heap 13m to the northwest, and a petrol station 30m to the east.
	Landfill Sites	Landfill 14m to the southwest with waste types inert, industrial, special, and liquid sludge. Refuse tips 169m to the southwest, 174m to the northeast, and 214m to the southwest.
	Hydrogeology	Superficial deposits are indicated to be a Secondary A aquifer.
		Bedrock is indicated to be a Secondary A aquifer.
	Hydrology	River Tame 8m to the south and the Tame Valley Canal 231m to the south.
	Flood Risk	Flood Zone 3 – Flood Risk Assessment is required.
	Other Relevant Details	None.
Recommendations	An intrusive ground investigation is required to assess the ground conditions. The ground investigation should obtain soil samples for contamination analysis and asbestos detection and, where possible, groundwater and surface water samples for contamination analysis. Ground and mine gases might be present and hence, if any buildings are to be constructed as part of the development, gas standpipes should be installed and monitored over an extended period of time to allow for an assessment to be made. Cont...	

Sub Surface Midlands Limited
28 Brook House, Brook Street Business Centre, Brook Street, Tipton, West Midlands, DY4 9DD
Tel: 0121 5208538 Fax: 0121 5203878 Email: midlands@subsurface.co.uk

Recommendations	We recommend that a rotary borehole investigation is undertaken to determine the geology with particular reference to the depth and thickness of any coal seams and/or mineworkings. Also, to prove the thickness of the drift strata and intact rock above the coal seams followed by a ground stability assessment in order to determine whether remedial measures are required for the development. We recommend that the mine entry within the site is located by trial pitting or rotary drilling, as appropriate, in order to determine the extent of stabilisation that is required in order to ensure the stability of the proposed development. The site is in a Flood Zone 3, an area with a high probability of flooding, and a flood risk assessment must be completed for development in this area.
Other Considerations (for Warranty Providers, Building Control, Structural Engineers, Developers, etc.)	Listed below are various items that may be required at some point during the development. This is not an exhaustive list. • Boreholes and laboratory testing to assess the ground conditions for foundation design. • BRE Digest 365 Soakaway Tests. • Waste Classification and WAC testing for removal of waste to landfill. • CBR Testing for road design and construction. • Water Pipeline Risk Assessment.

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DESK STUDY WITH WALKOVER SURVEY FOR AVANTIGAS LIMITED, HOLLOWAY BANK, WEDNESBURY, WEST MIDLANDS, WS10 0AW

CLIENT: GGP CONSULT

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1. INTRODUCTION

This report has been prepared in accordance with Purchase Order No. 29095 dated 3rd August 2021, from the Client.

The brief was set out in our estimate, ref. EM5747 dated 29th July 2021, and comprises a walkover survey and a desk study report including a historical, geological, mining, and environmental appraisal together with a conceptual ground model.

The brief for a coal mining risk assessment was set out in our estimate, ref. EM5747 dated 29th July 2021, and comprises a geological and mining appraisal together with our conclusions and recommendations.

1.1 Site Location and Description

The site is located at AvantiGas Limited, Holloway Bank, Wednesbury, West Midlands, WS10 0AW, as indicated on Figure 1. The approximate National Grid Reference of the centre of the site is 398792, 294166.

As shown on Figure 2, the site comprises an irregular shaped plot of land of 0.63ha. It is bound by land belonging to AvantiGas Limited to the north, Holloway Bank to the east, the River Tame to the south, and a dismantled railway line to the west.

1.2 Proposed Development and Purpose of the Desk Study

We understand that it is proposed to remove the two site material and gas cylinder storage areas on concrete plinths from the site and install three new 40T LPG tanks with associated pumps and vehicle loading areas, as shown in Figure 3.

The purpose of the desk study is to obtain information regarding the sites historical, geological, and environmental setting in order to produce a conceptual ground model, to assess the ground conditions, to undertake a preliminary assessment of contamination sources, pathways and receptors relating to potential hazards that exist or will potentially exist on the site and to assess the need for ground investigation.

In addition, a geological and mining appraisal was required to determine the geological structure, including the depth and thickness of coal and other mineral seam horizons, to determine the potential for mineworkings in these horizons based upon the available information and to provide our conclusions and recommendations.

1.3 Walkover Survey

The walkover survey was undertaken on 16th August 2021. Photographs taken during the site walkover are appended, with their locations and any surface features observed indicated in Figure 2.

Sub Surface Midlands Limited
28 Brook House, Brook Street Business Centre, Brook Street, Tipton, West Midlands, DY4 9DD
Tel: 0121 5208538 Fax: 0121 5203878 Email: midlands@subsurface.co.uk

At the time of the walkover, the site comprised a bituminous macadam surfaced car park and an office block in the east, a vegetated slope down to the River Tame in the south, with the remainder used as a storage area for site materials and gas cylinders. Concrete plinths were noted in the centre and northwest of the site (used for storage), butane vessels were noted in the northwest and LPG vessels were noted in the east. Three 30T LPG vessels were noted in the southwest of the site on top of a mound of stones which contained the associated pipework. The site could be accessed off Holloway Bank to the east.

No visual or olfactory contamination was noted during the walkover survey.

2. DESK STUDY

2.1 Historical Appraisal

The history of the site has been interpreted from the study of old Ordnance Survey plans supplied by GroundSure, as follows:

TABLE 1 SMALL SCALE SURVEY

Date	Scale
1888	1:10,560
1889	1:10,560
1901 – 1902	1:10,560
1913	1:10,560
1921	1:10,560
1938	1:10,560
1955	1:10,560
1967 – 1970	1:10,560
1980 – 1981	1:10,000
1985 – 1988	1:10,000
1992	1:10,000
1988 – 1993	1:10,000
2001	1:10,000
2010	1:10,000
2021	1:10,000

TABLE 2 LARGE SCALE SURVEY

Date	Scale
1889 *	1:500 **
1890	1:2,500
1903 – 1904	1:2,500
1913 *	1:2,500
1919	1:2,500
1938 *	1:2,500
1947	1:2,500
1964	1:2,500
1964 – 1965	1:1,250 ***
1977 – 1979	1:1,250 ***
1987 – 1991	1:1,250 ***
1991 – 1992	1:1,250 ***
1992	1:1,250 ***
2003	1:1,250

* Site not covered by survey.
** Published scale, appended extract reproduced at 1:1,000 scale
*** Published scale, appended extract reproduced at 1:2,000 scale

Extracts of the above surveys are appended.

TABLE 3 HISTORICAL APPRAISAL

Date	On site	Beyond site boundary
1888-1890	At the time of the earliest survey, a Flour Mill is shown in the east of the site with a glasshouse in the centre of the site. Part of the River Tame shown to run through the north of the site and under the Flour Mill.	Holloway Bank is shown adjacent to the eastern site boundary, with a tramway on the road. The River Tame is shown adjacent to the southern site boundary. A railway line is shown on a bridge adjacent to the western site boundary. Three Tube Works, a Coach Iron Works, and a smithy are depicted within 250m of the site boundary, with the nearest being the smithy 70m to the north. A colliery with shafts is shown 180m to the northeast of the site boundary, with further shafts and old shafts depicted 160m to the southwest.

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1901-1904	The Flour Mill is no longer labelled and the glasshouse is no longer shown.	The colliery and all shafts and old shafts are no longer shown, with the associated mounds 100m to the southwest and 160m to the northeast now shown as refuse heaps.
1913	All buildings on site have been demolished. The part of the River Tame in the north of the site is now dry and is shown as a dip in the ground.	No significant changes are noted during this time.
1919-1921	No significant changes are noted during this time.	Further refuse heaps are now shown 20m to the north and 110m to the south of the site boundary.
1938	No significant changes are noted during this time.	Two of the Tube Works and the Coach Iron Works are no longer shown.
1947	Three ponds and a refuse heap are now shown on site. The dip in the old location of the River Tame appears to have been infilled.	A large pond is depicted 50m to the southwest of the site boundary. An aluminium works is now shown 80m to the northeast of the site boundary, an iron & steel works is shown 150m to the northwest, a steel works is shown 180m to the west and a timber yard is shown 220m to the northwest. The smithy is no longer depicted.
1955	No significant changes are noted during this time.	A new foundry is shown 50m to the northwest of the site boundary.
1964-1970	The site is now depicted to be part of a depot. All ponds have been infilled and a small building is shown in the northeast of the site.	All foundries and metal works within 250m of the site boundary are now depicted as unspecified works, of which there are approximately fourteen, with the nearest being 30m to the northwest, north, and southeast. All refuse heaps within 250m of the site boundary are no longer depicted, with the exception of a refuse tip 180m to the west.
1977-1981	The east of the site is now depicted as an unspecified works. The building in the northeast appears to have been extended or replaced, and two further buildings are shown in the east and centre of the site. A tank is now shown in the northeast corner.	Three garages are now shown within 250m of the site boundary, which are 20m to the east, 40m to the southeast, and 60m to the north. Ponds 40m to the southwest and 180m to the east of the site boundary appear to have been infilled. The unspecified works 30m to the northwest is now depicted as a steel stockyard.
1985-1991	The tank is no longer shown.	The garage 20m to the east of the site boundary is no longer labelled. The railway adjacent to the western site boundary is now shown to be dismantled. An electricity substation is now depicted 10m to the north of the site boundary.
1992	New buildings are shown in the northwest, northeast and east of the site. The building in the centre of the site is now shown to be a concrete platform, with a second concrete platform to the north.	No significant changes are noted during this time.
2001-2003	The buildings and concrete plinths in the centre and east of the site are now in their present-day configuration. A tank is shown in the northwest.	The railway line adjacent to the western site boundary has been reinstalled. The garage 40m to the southeast is no longer labelled.
2010-2021	No significant changes are noted during this time.	No significant changes are noted during this time.

We are not aware of any other significant changes within the site and its immediate surrounding area.

Sub Surface Midlands Limited
28 Brook House, Brook Street Business Centre, Brook Street, Tipton, West Midlands, DY4 9DD
Tel: 0121 5208538 Fax: 0121 5203878 Email: midlands@subsurface.co.uk

2.2 Detailed Geological Appraisal

This following appraisal is based upon the appended Groundsure Enviro & Geo Insight Report (Sections 14 to 17) and the British Geological Survey published sheet, ref. SO99SE, solid and drift edition at 1:10,560 scale, an extract of which is given as Figure 4.

2.2.1 Artificial Ground (Made Ground)

Made Ground, described as 'Artificial Deposits', is indicated to be present within the site, the depth of which is unknown.

2.2.2 Superficial Geology (Drift Deposits)

The drift deposits beneath the site are anticipated to be Alluvium, generally comprising clay and silt, the depth of which is unknown. The drift deposits are indicated as having a very low to high permeability.

2.2.3 Bedrock Geology

The bedrock beneath the southeast of the site is anticipated to be sandstone belonging to the Pennine Coal Measures Group of the Westphalian Age. The bedrock is indicated as having a moderate to high permeability.

The bedrock beneath the northwest of the site is anticipated to be Thick Coal of the Westphalian Age. The bedrock is indicated as having a low permeability.

The bedrock beneath the far northwest corner of the site is anticipated to be mudstone, siltstone and sandstone belonging to the Pennine Middle Coal Measures Formation of the Westphalian Age. The bedrock is indicated as having a low to moderate permeability.

The Geo Insight report and BGS sheet 95NW show one coal seam sub-cropping within 250m of the site boundary, which is some 240m to the southwest.

Coal Measures strata in this area normally comprise interbedded mudstones, siltstones and subordinate sandstones with occasional economically important mineral seams of coal and ironstone. It should be noted that where found at near surface level Coal Measures strata are normally completely weathered to a soil.

The BGS sheet shows an arrow 40m to the north of the site boundary indicating that the strata generally dip down at approximately 8^{o} (1 in 7.1) towards the northwest.

The BGS sheet shows several abandoned mineshafts within 500m of the site boundary, with the nearest being 50m to the south.

The Thick Coal is shown to sub-crop in the northwest of the site. The Thick Coal is stratigraphically underlain by the Heathen Coal 11m below, by the Rubble Coal 4m below, by a Marine Band and Stinking Coal 8m below, by the New Mine Coal 4m below, by the Fire Clay Coal 1m below, and by the Bottom Coal a further 9m below.

A geological fault is recorded 145m to the south of the site boundary, running east to west. It should be noted that the rock strata in the vicinity of the site might be affected by minor parallel sympathetic geological faults.

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28 Brook House, Brook Street Business Centre, Brook Street, Tipton, West Midlands, DY4 9DD
Tel: 0121 5208538 Fax: 0121 5203878 Email: midlands@subsurface.co.uk

Two boreholes 23m and 27m to the east of the site boundary shown between 2.00m and 4.00m of made ground and between 1.50m and 2.50m of drift above the rockhead.

The BGS sheet indicates that the bedrock strata above the Heathen Coal seam is presumed to have been washed out adjacent to the east of the site, although the boreholes 23m and 27m to the east show no evidence of this.

The anticipated succession of strata underlaying the centre of the site is as tabulated below. The approximate thicknesses and depths given are the best that can be determined from the above information.

TABLE 4 STRATIGRAPHICAL SUCCESSION

Strata	Maximum Unworked Thickness (m approx.)	Vertical Interval (m approx.)	Depth of Base below Bedrock (m approx.)
MADE GROUND	4.0 ?		
ALLUVIUM	2.5 ?		
CARBONIFEROUS COAL MEASURES:			
measures (sandstones)		5 ?	
Thick Coal	12.0		17
measures with ironstone bands		11	
Heathen Coal	0.9		29
measures		4	
Rubble Coal	0.5		34
measures with ironstone bands		8	
Marine Band	3.0		45
Stinking Coal	0.9		46
measures		4	
New Mine Coal	3.5		54
measures		1	
Fireclay Coal	2.1		57
measures with ironstone bands		9	
Bottom Coal	3.5		70

2.2.4 Potential Hazards in Natural Ground

The risk from shrinking/ swelling clays, running sands, compressible deposits, and landslides is very low, and the risk from collapsible deposits and ground dissolution of soluble rocks is negligible.

2.3 Mining, Radon, Soil Chemistry and Railway Infrastructure Appraisal

This following appraisal is based upon the appended Groundsure Enviro & Geo Insight Report (Sections 18 to 21).

2.3.1 Detailed Mining Appraisal

The British Geological Surveys “BritPits” database contains details of currently active and closed surface and underground mineral workings. There are two records of BritPits within 500m of the site boundary, which are a colliery 232m to the north and a sand pit 420m to the southeast, both listed as ceased.

Sub Surface Midlands Limited
28 Brook House, Brook Street Business Centre, Brook Street, Tipton, West Midlands, DY4 9DD
Tel: 0121 5208538 Fax: 0121 5203878 Email: midlands@subsurface.co.uk

Ordnance Survey mapping identifies surface excavations which may, or may not, have been subsequently backfilled with unknown material. The Ordnance Survey indicates that there are several historical surface excavations both on-site and within 250m of the site boundary, which include ponds and an unspecified pit on-site, unspecified ground workings 5m to the southwest, refuse heaps 13m to the northwest, 69m to the west, 102m to the south, and 157m to the northeast, a colliery 28m to the southwest, and a pond 29m to the southwest.

In addition, Ordnance Survey mapping identifies underground workings in the form of tunnels, shafts and similar features. The Ordnance Survey indicates that there are several historical underground workings within 1km of the site boundary, which include collieries 29m to the southwest and 144m to the northeast, and old coal shafts 138m to the southwest, 151m to the southwest, and 246m to the east.

The British Geological Survey maintain records of mining of minerals other than coal and indicates that there is a potential for localised small scale underground mining of iron ore beneath the site. The potential for difficult ground conditions is unlikely and localised and at a level where it need not be considered.

According to the report the site is not in an area affected by significant natural cavities, historical mineral planning areas, mining cavities, brine extraction, gypsum extraction, tin mining, or clay mining.

The presence of mineral seams, including coal, which might have been mined beneath the site has been determined from the published BGS sheets and the Coal Authority Mining Report, reference 51002557010001 and dated 23rd June 2021, a copy of which is appended.

The Coal Authority indicates that according to their limited, and probably incomplete, records the site surface could be affected by underground working in three seams of coal at shallow to 60m depth, the last mineworkings being in 1912.

It should be noted that it did not become a statutory requirement to maintain and preserve plans of abandoned mines until the Mines (Coal) Regulations Act of 1872, by which date much unrecorded mining had taken place and of those plans that were made it is likely that not all will have survived.

Given that the site is underlain by the Thick Coal seam at a relatively shallow depth it should be anticipated that historical mineworkings will be present beneath the site dating from a period well before 1872.

The Staffordshire Thick Coal seam was (it is very rarely found to be unworked) an exceptionally thick sequence of coal seams with thin partings which, due to their quality are particularly prone to spontaneous combustion. A form of pillar and stall mining was developed to extract it, known as “squarework”, in order that if a fire broke out it could be more easily isolated. Due to the thickness of the Thick Coal seam squareworkings were usually undertaken at several levels with large pillars or ribs of coal to support the roof left in place. At a later date the quantity of unworked good quality coal was sufficient for mines to be sunk specifically to extract the pillars or ribs of coal. These mineworkings were known as “pickings”. The working and reworking of the Thick Coal seam has today resulted in an horizon containing worked and unworked coal and partially collapsed ground, particularly adjoining roadways and geological faults, at various levels. Although the mineworkings were undertaken many years ago further collapse and settlement cannot be ruled out, which if at shallow depths, could migrate upwards and cause instability at the surface.

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28 Brook House, Brook Street Business Centre, Brook Street, Tipton, West Midlands, DY4 9DD
Tel: 0121 5208538 Fax: 0121 5203878 Email: midlands@subsurface.co.uk

The Coal Authority also indicates that there is no current mining or proposals to mine coal beneath the site, although reserves of coal exist which could be mined in the future subject to feasibility, licences and planning consents. It should be noted that on 23 December 2015 all underground coal mining ceased in the UK.

The Coal Authority are aware of six recorded abandoned mine entries within 20m of the site boundary, one of which (ref. 398294-112) is within the site with no treatment details being available. The Coal Authority records may be incomplete and hence further mine entries may be present for which the Coal Authority has no knowledge.

In any old mining area such as this, where records are generally incomplete, the existence of unrecorded mine entries should not be discounted and appropriate precautions should be taken during all earthworks. Should a mine entry be suspected appropriate action would need to be taken in the light of the established condition and location as determined by inspection and investigation.

When taking into consideration the findings of the Geological Appraisal and the Mining Appraisal, in our opinion, there is a risk of shallow mineworkings. Consequently, we would recommend undertaking a rotary borehole investigation.

Following obtaining permission from the Coal Authority we recommend that the mineshaft within the site is located by trial pitting and/or rotary drilling, as appropriate, in order to determine its exact location and the extent of stabilisation, if any, that is required in order to ensure the stability of the proposed development.

2.3.2 Radon

The British Geological Survey and Public Health England have estimated the percentage of dwellings exceeding the "Radon Action Level" of 200 Becquerels/m^3 for the UK based on geological assessments and long-term measurements of radon in more than 479,000 households.

The site is unlikely to be affected by radon gas as between 1% and 3% of surrounding properties are above the Radon Action Level. No radon protection measures required.

2.3.3 Soil Chemistry

The British Geological Survey have estimated likely background concentrations of potentially harmful arsenic, cadmium, chromium, lead, and nickel in the topsoil. Data for on-site topsoil is given. In addition, data for the land within 50m of the site boundary is given.

2.3.4 Railway Infrastructure

There are historical railway and tunnel features within 250m of the site boundary, which include a railway adjacent to the western site boundary (listed as on-site due to a mapping error), railway sidings 183m to the west, and tramway sidings 209m to the northeast.

There is one active railway within 250m of the site boundary, which is the Midland Metro 4m to the southwest.

There are no underground railways, railway tunnels, or historical railways, within 250m of the site boundary. The site is not within 250m of the Crossrail 1, Crossrail 2, or High Speed 2 (HS2) rail projects.

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28 Brook House, Brook Street Business Centre, Brook Street, Tipton, West Midlands, DY4 9DD
Tel: 0121 5208538 Fax: 0121 5203878 Email: midlands@subsurface.co.uk

2.4 Environmental Appraisal

This following appraisal is based upon the appended Groundsure Enviro & Geo Insight Report (Sections 1 to 13).

2.4.1 Historical Industrial Land Use

Historical potentially contaminative industrial land uses are recorded by the Ordnance Survey. There are several potentially contaminative industrial land uses identified on-site and numerous within 250m of the site boundary, which include an unspecified depot, an unspecified pit and tube works on-site, unspecified ground workings 5m to the southwest, numerous tube and other industrial works from 6m to the west, a steel stockyard 7m to the northwest, and refuse heaps 13m to the northwest and beyond in several directions.

There are seven historical tanks within 250m of the site boundary, which are all unspecified tanks, with one being within the site boundary.

There are five historical energy features within 250m of the site boundary, which are all electricity substations, with the nearest being 7m to the east.

There are three historical garages within 250m of the site boundary, with the nearest being 16m to the northwest.

There are no historical petrol stations or military land within 250m of the site boundary.

2.4.2 Landfill

Local Authority records and detailed Ordnance Surveys indicate three historical landfill sites within 250m of the site boundary, which are refuse tips 169m to the southwest, 174m to the northeast, and 214m to the southwest.

The Environment Agency and Natural Resources Wales have two records of known historical (closed) landfill sites, where there is no PPC permit or current waste management licence, within 250m of the site boundary, which are 14m to the southwest and 175m to the south with waste types inert, industrial, special, and liquid sludge.

According to the report there are no active landfill sites within 250m of the site boundary.

2.4.3 Waste

Local Authority records and detailed Ordnance Surveys indicate four historical waste sites within 250m of the site boundary, which are a recycling centre 38m to the east, a refuse pit 47m to the west, a waste management facility 66m to the north, and a scrap yard 153m to the southeast.

According to the Environment Agency and Natural Resources Wales there are two active or recently closed waste sites within 250m of the site boundary, which are an end-of-life vehicle facility 128m to the north and an industrial waste landfill 216m to the west.

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The Environment Agency and Natural Resources Wales have five records of activities involving the storage, treatment, use or disposal of wastes that are exempt from needing a permit (within specific limits and conditions) within 250m of the site boundary, which include the recovery of scrap metal on-site, and the use of depolluted end-of-life vehicles for vehicle parts 69m to the southeast.

2.4.4 Current Land Use

Current potentially contaminative industrial land uses are recorded by the Ordnance Survey. There are several potentially contaminative industrial land use identified both on-site and within 250m of the site boundary. These include Avanti Gas and a tank on-site, an electricity substation adjacent to the north (listed as on-site due to a mapping error), a works 6m to the north, and a petrol station 30m to the east.

According to Experian, there is one current or recent petrol stations within 250m of the site boundary, which is 29m to the east and listed as open.

National Grid data indicates that there are currently no high voltage underground electricity transmission cables or high-pressure underground gas transmission pipelines within 250m of the site boundary.

2.4.5 Contaminated Land

There are no sites determined as contaminated under Part 2a of the Environmental Protection Act (1990) within 250m of the site boundary.

2.4.6 Control of Major Accident Hazards (COMAH)

Records of Control of Major Accident Hazards (COMAH), including Notification of Installations Handling Hazardous Substances (NIHHS) and other historical data, indicate that the site is listed as a dangerous or hazardous site. The site is currently a COMAH Lower Tier Operator.

There are no other dangerous or hazardous sites within 250m of the site boundary.

2.4.7 Regulated Explosives Sites

Up to April 2015 there were no sites within 250m of the site boundary registered and licensed by the Health and Safety Executive under the 2005 Manufacture and Storage of Explosives Regulations.

2.4.8 Hazardous Substance Storage and Usage

There is one Local Authority record of consents granted for sites to hold certain quantities of hazardous substances at or above defined limits in accordance with the 2015 Planning (Hazardous Substances) Regulations within 250m of the site boundary, which is on-site and related to the storage of butane and propane.

2.4.9 Historical Licenced Industrial Activities (IPC)

There are no historical Integrated Pollution Control (IPC) records of substances released to the air, land, and water according to the Environment Agency and Natural Resources Wales within 250m of the site boundary.

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28 Brook House, Brook Street Business Centre, Brook Street, Tipton, West Midlands, DY4 9DD
Tel: 0121 5208538 Fax: 0121 5203878 Email: midlands@subsurface.co.uk

2.4.10 Licenced Industrial Activities (Part A(1))

The Environment Agency and Natural Resources Wales indicate that there are no records of Part A(1) installations regulated under the 2016 Environmental Permitting (England and Wales) Regulations for release to the environment within 250m of the site boundary.

2.4.11 Licensed Pollutant Release (Part A(2) and Part B)

Local Authority records indicate that there are seven Part B installations regulated under the 2016 Environmental Permitting (England and Wales) Regulations for the release of substances to the environment within 250m of the site boundary. The nearest is 30m to the east and related to the unloading of petrol into storage at service stations.

There are no Part A(2) installations within 250m of the site boundary.

2.4.12 Radioactive Substance Authorisations

The Environment Agency and Natural Resources Wales indicate that there are no records of storage, use, accumulation, and disposal of radioactive substances regulated under the 1993 Radioactive Substances Act within 250m of the site boundary.

2.4.13 Licensed Discharges to Controlled Waters

According to Environment Agency and Natural Resources Wales records there have been two discharges of treated or untreated effluent to controlled waters under the 1991 Water Resources Act within 250m of the site boundary. The nearest is 17m to the southeast and related to mine/groundwater.

2.4.14 Pollutant Release to Surface Waters (Red List)

The Environment Agency and Natural Resources Wales records indicate that there have been no discharges of specified substances under the 1991 Environmental Protection (Prescribed Processes and Substances) Regulations within 250m of the site boundary.

2.4.15 Pollutant Release to Public Sewers

According to Environment Agency and Natural Resources Wales records there have been no discharges of special category effluents to public sewers within 250m of the site boundary.

2.4.16 List 1 and List 2 Dangerous Substances

The Environment Agency and Natural Resources Wales records indicate that there have been two discharges of substances on List 2 of the European Directive E2006/11/EC respectively, regulated under the 2015 Environmental Damage (Prevention and Remediation) Regulations, within 250m of the site boundary. These are related to iron and pH 18m to the southeast, and copper, iron, nickel and zinc 212m to the west.

There have been no discharges of substances on List 1 within 250m of the site boundary.

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2.4.17 Pollution Incidents

According to the Environment Agency and Natural Resources Wales there are ten records of substantiated pollution incidents within 250m of the site boundary. The nearest of these was a grey water spillage 11m to the southeast in 2002 with a minor impact to water.

In our opinion, any current impact to the site from the recorded pollution incidents is likely to be negligible.

2.4.18 Pollution Inventory Substances

The Environment Agency and the Scottish Environment Protection Agency indicate that there have been no reports on annual emissions of certain regulated substances to air, controlled waters, and land within 250m of the site boundary.

2.4.19 Pollution Inventory Waste Transfers

According to the Environment Agency and the Scottish Environment Protection Agency there have been no reports on annual transfers and recovery/ disposal of controlled wastes within 250m of the site boundary.

2.4.20 Pollution Inventory Radioactive Waste

The Environment Agency and the Scottish Environment Protection Agency indicate that there have been no reports on annual releases of radioactive substances within 250m of the site boundary.

2.4.21 Hydrogeology

The following designation of aquifers is in accordance with the Environment Agency's April 2010 Groundwater Protection Policy.

Superficial/ drift deposits are anticipated to be present and comprise Alluvium. These are indicated to be a Secondary A aquifer comprising permeable layers capable of supporting water supplies at a local scale and in some cases forming an important source of base flow to rivers.

The bedrock is also indicated to be a Secondary A aquifer.

The vulnerability of groundwater to a pollutant found within the site and its immediate surrounding area has been assessed as "Low"– an area able to provide protection from pollution.

British Geological Survey and Environment Agency data indicates that the site is not within a 1km grid where solution features are present that will enable rapid movement of a pollutant to groundwater.

Environment Agency data indicates that the site is not in an area where additional local information indicates that groundwater is vulnerable to pollution.

According to data provided by the Environment Agency and Natural Resources Wales, there is one groundwater abstraction licence within 1km of the site boundary, which is 536m to the south, and no surface water or potable water abstraction licences within 2km of the site boundary.

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There are no Source Protection Zones, set up to protect a water source within 500m of the site of boundary, present according to the Environment Agency and Natural Resources Wales.

2.4.22 Hydrology

The Ordnance Survey indicate that there are two watercourses (river, stream, or canal) within 250m of the site boundary. These are the River Tame 8m to the south and the Tame Valley Canal 231m to the south.

There are seven surface water features (ponds or lakes) within 250m of the site boundary according to the Ordnance Survey.

The Water Framework Directive (WFD) indicates that the site is within the catchment of the River Tame, this watercourse being 8m to the south and the groundwater body is known as the Tame Anker Mease – Coal Measures Black Country.

2.4.23 Flooding

Flooding data is maintained by the Environment Agency and Natural Resources Wales. The Risk of Flooding from Rivers and Sea (RoFRaS) database indicates that on-site the highest risk of flooding is “High” (greater than or equal to a 1 in 30 chance in any given year).

In the period since records began in 1946, there are no records of historical floods within 250m of the site boundary.

There are three flood defences within 350m of the site boundary, which are 28m to the southeast, 57m to the east, and 59m to the east.

There are no areas benefitting from flood defences, or flood storage areas present within 250m of the site boundary.

The site is in a Flood Zone 2 and a Flood Zone 3 (an area with a high probability of flooding (1 in 100 chance or greater).

According to Ambiental Risk Analytics surface water “FloodMap” there is a 1 in 100 year (0.1m – 0.3m) risk of surface water flooding on the site and a 1 in 30 year (0.3m – 1.0m) risk within 50m of the site boundary.

According to Ambiental Risk Analytics, there is a low risk of groundwater flooding on the site and within 50m of the site boundary.

Given the above, a Flood Risk Assessment will be required.

2.4.24 Environmental Designations

Natural England, Natural Resources Wales and Scottish Natural Heritage indicate that there are environmental sensitive sites within 2km of the site boundary.

The site is within an SSSI Impact Risk Zone and a Nitrate Vulnerable Zone, and there is one record of a Local Nature Reserve 1725m to the northwest.

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28 Brook House, Brook Street Business Centre, Brook Street, Tipton, West Midlands, DY4 9DD
Tel: 0121 5208538 Fax: 0121 5203878 Email: midlands@subsurface.co.uk

2.4.25 Visual and Cultural Designations

Historic England, Cadw and Historic Environment Scotland indicate that within 250m of the site boundary there are no World Heritage Sites, Areas of Outstanding Natural Beauty, National Parks, Listed Buildings, Conservation Areas, Scheduled Ancient Monuments or Registered Parks and Gardens.

2.4.26 Agricultural Designations

Natural England indicate that the Agricultural Land (quality) Classification for the site is Urban.

Natural England and Natural Resources Wales indicate that there is no open access land within 250m of the site boundary.

The Forestry Commission indicate that there are no tree felling licences within 250m of the site boundary.

Natural England indicate that there are no environmental stewardship schemes or countryside stewardship schemes within 250m of the site boundary.

2.4.27 Habitat Designations

Natural England indicate that there are two priority habitats within 250m of the site boundary, which are coastal and floodplain grazing marshes 56m to the east and 140m to the northwest.

There are two open mosaic habitats, within 250m of the site boundary, which are 15m to the southwest and 58m to the south.

There are no habitat networks or limestone pavement orders within 250m of the site boundary.

2.5 Conceptual Ground Model

A conceptual ground model of a site and its environs uses available information to form a preliminary assessment of contamination sources, pathways and receptors, and the significance of hazards that exist or will potentially exist on the site. Its purpose is to identify the relationships between sources of contamination, pathways, and receptors to allow exposure scenarios to be determined and thereby aid in the design of any intrusive investigation. It also forms the basis of the risk assessment.

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Tel: 0121 5208538 Fax: 0121 5203878 Email: midlands@subsurface.co.uk

2.5.1 Sources

Potential sources of contamination identified in the desk study are:

- General contaminants including asbestos in made ground indicated to be present on site and derived from past and present contaminative processes undertaken on and adjacent to the site including earthworks, construction, and demolition, site usage to store butane and propane, and numerous industrial works within 250m.
- Hydrocarbon contamination from on-site spillage and leakage of oils and fuels associated with the car parking area and roads on site.
- PCB contamination from the electricity substation present adjacent to site.
- Possible migration of ground gases from made ground on site, infilled ponds on site, and several infilled ponds and refuse heaps within 250m of the site boundary.
- Possible migration of mine gas from shallow mineworkings.

2.5.2 Pathways

Potential pathways from source and receptor for the proposed development are:

- Direct skin contact with and ingestion of contaminated soil by site workers during construction, and end users of the site.
- Inhalation of dust, vapours and/ or gases by site workers during construction and by the end users of the site in enclosed spaces.
- Migration of contaminants to the underlying aquifer and to adjacent properties.
- Accumulation of ground and mine gases in enclosed spaces.

2.5.3 Receptors

Potential receptors for the proposed development are:

- Site operatives during demolition, earthworks and/ or construction.
- The end users of the site.
- Vegetation, bushes, and trees planted as part of the development of the site.
- Controlled waters including surface water, groundwater, and the underlying aquifer.
- Adjacent properties.

Conclusions

An appraisal of the sources, pathways and receptors has been considered and we have produced a conceptual ground model based upon the available information, as follows:

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28 Brook House, Brook Street Business Centre, Brook Street, Tipton, West Midlands, DY4 9DD
Tel: 0121 5208538 Fax: 0121 5203878 Email: midlands@subsurface.co.uk

TABLE 5 CONCEPTUAL GROUND MODEL

Potential Source	Nature of Hazard	Contaminants Associated with the Source	Pathway	Receptor	Preliminary Risk Rating
Made Ground (indicated to be present on site) Industrial Processes (past and present on and adjacent to the site)	Contaminants in Made Ground	Gen. Contaminants Arsenic Cadmium Chromium Lead Mercury Molybdenum Nickel Selenium Boron Copper Zinc Cyanide Sulphide Sulphate pH Phenols Polynuclear Aromatic Hydrocarbons (PAH) Total Petroleum Hydrocarbons (TPH)	Ingestion of soil Ingestion of dust Dermal contact Inhalation of dust Inhalation of vapours	Site Operatives End Users	Moderate
			Vertical and lateral movement of mobile contaminants to surface water and groundwater	Controlled Waters Adjacent Properties	Moderate
			Direct contact	Structures and Services	Moderate
Asbestos on/ in ground	Asbestos fibres	Asbestos fibres	Inhalation of fibres	Site Operatives End Users	Low to Moderate
Tanks/ Machinery/ Vehicles Garages (in the near vicinity of the site)	Fuel/ oil spillage and/ or leakage from machinery, fuel/ oil tanks and/ or vehicles	Total Petroleum Hydrocarbons (TPH)	Ingestion of soil Ingestion of dust Dermal contact Inhalation of dust Inhalation of vapours	Site Operatives End Users	Low
			Vertical and lateral movement of mobile contaminants to surface water and groundwater	Controlled Waters Adjacent Properties	Low
			Direct contact	Structures and Services	Low
Electricity Sub Station	Spillage/ leakage of transformer coolants	Poly Chlorinated Biphenyls (PCB)	Ingestion of soil Ingestion of dust Dermal contact Inhalation of dust Inhalation of vapours	Site Operatives End Users	Negligible (due to recent construction)
			Vertical and lateral movement of mobile contaminants to surface water and groundwater	Controlled Waters Adjacent Properties	Negligible (due to recent construction)
			Direct contact	Structures and Services	Negligible (due to recent construction)
Landfill (including made ground and infilled ponds on site and nearby refuse heaps,	Ground Gas (Asphyxiation, fire and explosion)	Methane Carbon Dioxide	Inhalation of gas Ignition of gas	Site Operatives End Users	Moderate

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and infilled ponds)					
Mining (1)	Ground Gas (Asphyxiation, fire and explosion)	Methane Carbon Dioxide	Inhalation of gas Ignition of gas	Site Operatives End Users	Moderate
Mining (2)	Subsidence	-	-	Structures and services	Moderate
Mine Entry	Settlement and/or Collapse			Structures and services	Moderate

The conceptual ground model indicates that an intrusive ground investigation is required to assess the ground conditions. The ground investigation should obtain soil samples for contamination analysis and asbestos detection and, where possible, groundwater and surface water samples for contamination analysis.

In addition, the conceptual ground model indicates that ground and mine gases might be present and hence, if any buildings are to be constructed as part of the development, gas standpipes should be installed and monitored over an extended period of time to allow for an assessment to be made.

Given the findings of the geological and mining appraisal we recommend that a rotary borehole investigation is undertaken to determine the geology with particular reference to the depth and thickness of any coal seams and/or mineworkings. Also, to prove the thickness of the drift strata and intact rock above the coal seams followed by a ground stability assessment in order to determine whether remedial measures are required for the development.

In addition, as indicated in the mining appraisal, we recommend that the mine entry within the site is located by trial pitting or rotary drilling, as appropriate, in order to determine the extent of stabilisation that is required in order to ensure the stability of the proposed development.

The site is in a Flood Zone 3, an area with a high probability of flooding, and a flood risk assessment must be completed for development in this area.

2.6 General

No consideration has been given to flora and fauna as this was outside our brief.

This Phase I walkover survey and desk study should be followed by a Phase II ground investigation. It should be noted that dependent upon the findings of the ground investigation, a Phase III remediation statement and Phase IV validation with report may be required.

We recommend that consultation should be undertaken with, and written approval obtained from the Local Authority Contaminated Land Officer, Building Control Officer, and the Coal Authority prior to commencing any development.

Sub Surface Midlands Limited
28 Brook House, Brook Street Business Centre, Brook Street, Tipton, West Midlands, DY4 9DD
Tel: 0121 5208538 Fax: 0121 5203878 Email: midlands@subsurface.co.uk

We trust that this report fulfils your present requirements but if you have any queries or we can be of further assistance please contact the undersigned or Mr Gurbinder Mann at our Tipton office.

SUB SURFACE CONSULTANTS LIMITED
REPORT No. M3540
SEPTEMBER 2021

M. S. Banwell
Geotechnical Technician
For and on behalf of
Sub Surface Consultants Limited

C. A. Marsden B.Sc.(Hons.), C.Eng., M.I.C.E.
Director
For and on behalf of
Sub Surface Consultants Limited.

Sub Surface Midlands Limited
28 Brook House, Brook Street Business Centre, Brook Street, Tipton, West Midlands, DY4 9DD
Tel: 0121 5208538 Fax: 0121 5203878 Email: midlands@subsurface.co.uk

PRELIMINARY RISK RATING GUIDANCE

PRELIMINARY RISK RATING GUIDANCE

The following table based on CIRIA C552 'Contaminated Land Risk Assessment. A Guide to Good Practice' has been used when developing the Conceptual Ground Model and the preliminary risk ratings. The method requires an assessment of the magnitude of the probability or likelihood of the risk occurring and the magnitude of the potential consequence or severity of the risk occurring to formulate a preliminary risk rating (Table A).

Table A DESCRIPTION OF RISK AND LIKELY ACTION REQUIRED

Preliminary Risk Rating	Action Required
Very High Risk	Extensive Ground Investigation Required. There is a high probability that severe harm could arise to a designated receptor from an identified hazard, or there is evidence that severe harm to a designated receptor is currently happening. This risk, if realised, is likely to result in a substantial liability. Urgent investigation (if not undertaken already) and remediation are likely to be required.
High Risk	Extensive Ground Investigation Required. Harm is likely to arise to a designated receptor from an identified hazard. Realisation of the risk is likely to present a substantial liability. Urgent investigation (if not undertaken already) is required and remedial works may be necessary in the short-term and are likely over the longer-term.
Moderate	Ground Investigation Required. It is possible that harm could arise to a designated receptor from an identified hazard. However, it is either relatively unlikely that any such harm would be severe, or if any harm were to occur it is more likely that the harm would be relatively mild. Investigation (if not already undertaken) is normally required to clarify the risk and to determine the potential liability. Some remedial works may be required in the long-term.
Low Risk	Nominal Ground Investigation Required. It is possible that harm could arise to a designated receptor from an identified hazard, but it is likely that this harm, if realised, would at worst normally be mild.
Very Low Risk	No Ground Investigation Required.* There is a low possibility that harm could arise to a receptor. In the event of such harm being realised it is not likely to be severe.
Negligible Risk	No Ground Investigation Required.* There is a very low possibility that harm could arise to a receptor. In the event of such harm being realised it is not likely to be severe.

* No further action is required unless unforeseen contaminated ground conditions are encountered.

PHOTOGRAPHS

SUB SURFACE
SITE INVESTIGATION SPECIALISTS, GEOTECHNICAL & ENVIRONMENTAL CONSULTANTS
3 Peel Street, Preston, Lancashire, PR2 2QS. Tel: (01772) 561135 Fax: (01772) 204907

Photographs

Site: AVANTIGAS LIMITED, HOLLOWAY BANK, WEDNESBURY, WEST MIDLANDS

Client: GGP CONSULT

Engineer:

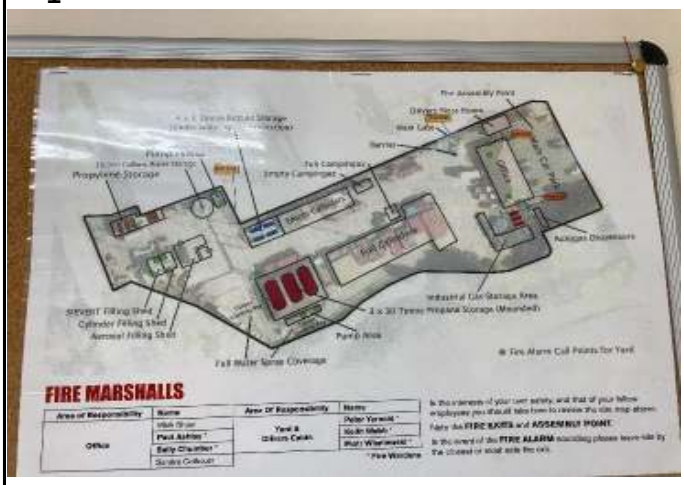
Job Number: M3540

Sheet: 1 / 4

Survey Date: 16/08/21

WALKOVER SURVEY PHOTOGRAPHS

1



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WALKOVER SURVEY PHOTOGRAPHS

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WALKOVER SURVEY PHOTOGRAPHS

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WALKOVER SURVEY PHOTOGRAPHS

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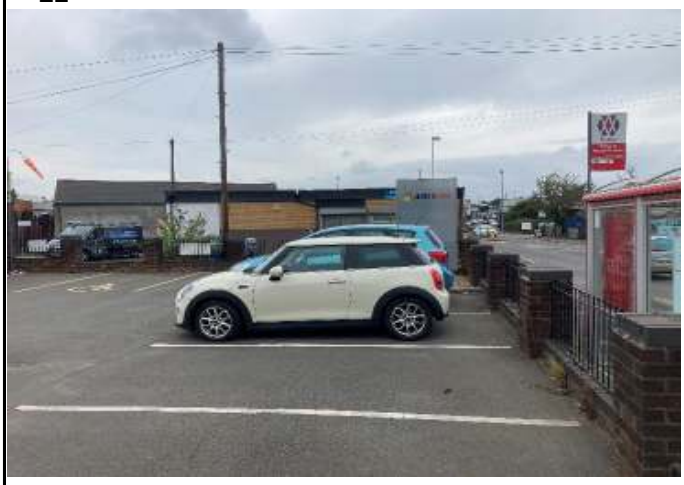

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ENVIRO+GEO INSIGHT REPORT

Groundsure LOCATION INTELLIGENCE

Enviro+Geo Insight

Avantigas Ltd, Holloway Bank, Wednesbury, WS10 0AW

Order Details

Date: 17/08/2021

Your ref: 4199

Our Ref: CMAPS-CM-984518-4199-170821EDRGEO

Client: CENTREMAPS

Site Details

Location: 398792 294166

Area: 0.63 ha

Authority: Sandwell Metropolitan Borough Council

Summary of findings p. 2

OS MasterMap site plan p.13

Aerial image p. 8

groundsure.com/insightuserguide

Contact us with any questions at:
info@groundsure.com
08444 159 000

Summary of findings

Page	Section	Past land use	On site	0-50m	50-250m	250-500m	500-2000m
14	1.1	Historical industrial land uses	5	19	99	309	-
30	1.2	Historical tanks	1	0	9	21	-
32	1.3	Historical energy features	0	1	5	14	-
33	1.4	Historical petrol stations	0	0	0	0	-
33	1.5	Historical garages	0	4	1	5	-
34	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
35	2.1	Historical industrial land uses	7	27	128	412	-
56	2.2	Historical tanks	1	0	12	32	-
58	2.3	Historical energy features	0	2	9	32	-
60	2.4	Historical petrol stations	0	0	0	0	-
60	2.5	Historical garages	0	6	1	8	-
Page	Section	Waste and landfill	On site	0-50m	50-250m	250-500m	500-2000m
62	3.1	Active or recent landfill	0	0	0	1	-
63	3.2	Historical landfill (BGS records)	0	0	0	0	-
63	3.3	Historical landfill (LA/mapping records)	0	0	15	21	-
64	3.4	Historical landfill (EA/NRW records)	0	1	1	5	-
66	3.5	Historical waste sites	0	2	3	21	-
70	3.6	Licensed waste sites	0	0	3	14	-
74	3.7	Waste exemptions	1	0	5	23	-
Page	Section	Current industrial land use	On site	0-50m	50-250m	250-500m	500-2000m
78	4.1	Recent industrial land uses	3	5	49	-	-
82	4.2	Current or recent petrol stations	0	1	0	0	-
82	4.3	Electricity cables	0	0	0	0	-
83	4.4	Gas pipelines	0	0	0	0	-
83	4.5	Sites determined as Contaminated Land	0	0	0	0	-

83	4.6	Control of Major Accident Hazards (COMAH)	3	0	0	1	-
84	4.7	Regulated explosive sites	0	0	0	0	-
84	4.8	Hazardous substance storage/usage	1	0	0	1	-
84	4.9	Historical licensed industrial activities (IPC)	0	0	0	0	-
85	4.10	Licensed industrial activities (Part A(1))	0	0	0	20	-
88	4.11	Licensed pollutant release (Part A(2)/B)	0	2	5	5	-
90	4.12	Radioactive Substance Authorisations	0	0	0	0	-
90	4.13	Licensed Discharges to controlled waters	0	1	1	0	-
91	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
91	4.15	Pollutant release to public sewer	0	0	0	0	-
91	4.16	List 1 Dangerous Substances	0	0	0	2	-
91	4.17	List 2 Dangerous Substances	0	1	1	2	-
92	4.18	Pollution Incidents (EA/NRW)	0	2	9	11	-
94	4.19	Pollution inventory substances	0	0	0	4	-
96	4.20	Pollution inventory waste transfers	0	0	0	1	-
129	4.21	Pollution inventory radioactive waste	0	0	0	0	-

Page	Section	Hydrogeology	On site	0-50m	50-250m	250-500m	500-2000m
130	5.1	Superficial aquifer	Identified (within 500m)				
132	5.2	Bedrock aquifer	Identified (within 500m)				
133	5.3	Groundwater vulnerability	Identified (within 50m)				
134	5.4	Groundwater vulnerability- soluble rock risk	None (within 0m)				
134	5.5	Groundwater vulnerability- local information	None (within 0m)				
135	5.6	Groundwater abstractions	0	0	0	0	5
137	5.7	Surface water abstractions	0	0	0	0	0
137	5.8	Potable abstractions	0	0	0	0	0
137	5.9	Source Protection Zones	0	0	0	0	-
137	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-

Page	Section	Hydrology	On site	0-50m	50-250m	250-500m	500-2000m
138	6.1	Water Network (OS MasterMap)	0	3	1	-	-

139	6.2	Surface water features	0	3	4	-	-
139	6.3	WFD Surface water body catchments	1	-	-	-	-
140	6.4	WFD Surface water bodies	0	1	1	-	-
140	6.5	WFD Groundwater bodies	1	-	-	-	-
Page	Section	River and coastal flooding	On site	0-50m	50-250m	250-500m	500-2000m
141	7.1	Risk of Flooding from Rivers and Sea (RoFRaS)	High (within 50m)				
142	7.2	Historical Flood Events	0	0	0	-	-
142	7.3	Flood Defences	0	1	2	-	-
142	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
143	7.5	Flood Storage Areas	0	0	0	-	-
144	7.6	Flood Zone 2	Identified (within 50m)				
145	7.7	Flood Zone 3	Identified (within 50m)				
Page	Section	Surface water flooding					
146	8.1	Surface water flooding	1 in 30 year, 0.3m - 1.0m (within 50m)				
Page	Section	Groundwater flooding					
148	9.1	Groundwater flooding	Low (within 50m)				
Page	Section	Environmental designations	On site	0-50m	50-250m	250-500m	500-2000m
149	10.1	Sites of Special Scientific Interest (SSSI)	0	0	0	0	0
150	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
150	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
150	10.4	Special Protection Areas (SPA)	0	0	0	0	0
150	10.5	National Nature Reserves (NNR)	0	0	0	0	0
151	10.6	Local Nature Reserves (LNR)	0	0	0	0	1
151	10.7	Designated Ancient Woodland	0	0	0	0	0
151	10.8	Biosphere Reserves	0	0	0	0	0
151	10.9	Forest Parks	0	0	0	0	0
152	10.10	Marine Conservation Zones	0	0	0	0	0
152	10.11	Green Belt	0	0	0	0	0
152	10.12	Proposed Ramsar sites	0	0	0	0	0

152	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
152	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
153	10.15	Nitrate Sensitive Areas	0	0	0	0	0
153	**10.16**	**Nitrate Vulnerable Zones**	1	0	0	0	1
154	**10.17**	**SSSI Impact Risk Zones**	1	-	-	-	-
155	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
156	11.1	World Heritage Sites	0	0	0	-	-
156	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
156	11.3	National Parks	0	0	0	-	-
156	11.4	Listed Buildings	0	0	0	-	-
157	11.5	Conservation Areas	0	0	0	-	-
157	11.6	Scheduled Ancient Monuments	0	0	0	-	-
157	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	Agricultural designations	On site	0-50m	50-250m	250-500m	500-2000m
158	**12.1**	**Agricultural Land Classification**	Urban (within 250m)				
159	12.2	Open Access Land	0	0	0	-	-
159	12.3	Tree Felling Licences	0	0	0	-	-
159	12.4	Environmental Stewardship Schemes	0	0	0	-	-
159	12.5	Countryside Stewardship Schemes	0	0	0	-	-
Page	Section	Habitat designations	On site	0-50m	50-250m	250-500m	500-2000m
160	**13.1**	**Priority Habitat Inventory**	0	0	2	-	-
161	13.2	Habitat Networks	0	0	0	-	-
161	**13.3**	**Open Mosaic Habitat**	0	1	1	-	-
161	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
162	**14.1**	**10k Availability**	Identified (within 500m)				
163	**14.2**	**Artificial and made ground (10k)**	1	0	1	6	-
165	**14.3**	**Superficial geology (10k)**	1	0	3	0	-

166	14.4	Landslip (10k)	0	0	0	0	-
167	14.5	Bedrock geology (10k)	3	0	1	5	-
168	14.6	Bedrock faults and other linear features (10k)	0	0	4	10	-
Page	Section	Geology 1:50,000 scale	On site	0-50m	50-250m	250-500m	500-2000m
170	15.1	50k Availability	Identified (within 500m)				
171	15.2	Artificial and made ground (50k)	1	0	0	0	-
172	15.3	Artificial ground permeability (50k)	1	0	-	-	-
173	15.4	Superficial geology (50k)	1	0	3	0	-
174	15.5	Superficial permeability (50k)	Identified (within 50m)				
174	15.6	Landslip (50k)	0	0	0	0	-
174	15.7	Landslip permeability (50k)	None (within 50m)				
175	15.8	Bedrock geology (50k)	3	0	1	5	-
176	15.9	Bedrock permeability (50k)	Identified (within 50m)				
176	15.10	Bedrock faults and other linear features (50k)	0	0	3	10	-
Page	Section	Boreholes	On site	0-50m	50-250m	250-500m	500-2000m
178	16.1	BGS Boreholes	1	11	58	-	-
Page	Section	Natural ground subsidence					
182	17.1	Shrink swell clays	Very low (within 50m)				
183	17.2	Running sands	Very low (within 50m)				
184	17.3	Compressible deposits	Very low (within 50m)				
185	17.4	Collapsible deposits	Very low (within 50m)				
186	17.5	Landslides	Very low (within 50m)				
187	17.6	Ground dissolution of soluble rocks	Negligible (within 50m)				
Page	Section	Mining, ground workings and natural cavities	On site	0-50m	50-250m	250-500m	500-2000m
189	18.1	Natural cavities	0	0	0	0	-
190	18.2	BritPits	0	0	1	1	-
190	18.3	Surface ground workings	5	10	79	-	-
194	18.4	Underground workings	0	1	17	81	120
202	18.5	Historical Mineral Planning Areas	0	0	0	0	-

202	**18.6**	**Non-coal mining**	1	0	0	1	1
203	18.7	Mining cavities	0	0	0	0	0
203	**18.8**	**JPB mining areas**	Identified (within 0m)				
203	**18.9**	**Coal mining**	Identified (within 0m)				
204	18.10	Brine areas	None (within 0m)				
204	18.11	Gypsum areas	None (within 0m)				
204	18.12	Tin mining	None (within 0m)				
204	18.13	Clay mining	None (within 0m)				

Page	Section	Radon
205	**19.1**	**Radon**	Between 1% and 3% (within 0m)

Page	Section	Soil chemistry	On site	0-50m	50-250m	250-500m	500-2000m
207	**20.1**	**BGS Estimated Background Soil Chemistry**	3	1	-	-	-
207	20.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
208	20.3	BGS Measured Urban Soil Chemistry	0	0	-	-	-

Page	Section	Railway infrastructure and projects	On site	0-50m	50-250m	250-500m	500-2000m
209	21.1	Underground railways (London)	0	0	0	-	-
209	21.2	Underground railways (Non-London)	0	0	0	-	-
210	21.3	Railway tunnels	0	0	0	-	-
210	**21.4**	**Historical railway and tunnel features**	1	0	15	-	-
211	21.5	Royal Mail tunnels	0	0	0	-	-
211	21.6	Historical railways	0	0	0	-	-
211	**21.7**	**Railways**	0	7	12	-	-
212	21.8	Crossrail 1	0	0	0	0	-
212	21.9	Crossrail 2	0	0	0	0	-
212	21.10	HS2	0	0	0	0	-

Recent aerial photograph

Capture Date: 14/09/2019

Site Area: 0.63ha

Recent site history - 2016 aerial photograph

Capture Date: 06/05/2016

Site Area: 0.63ha

Recent site history - 2011 aerial photograph

Capture Date: 27/09/2011

Site Area: 0.63ha

Recent site history - 2006 aerial photograph

Capture Date: 16/07/2006

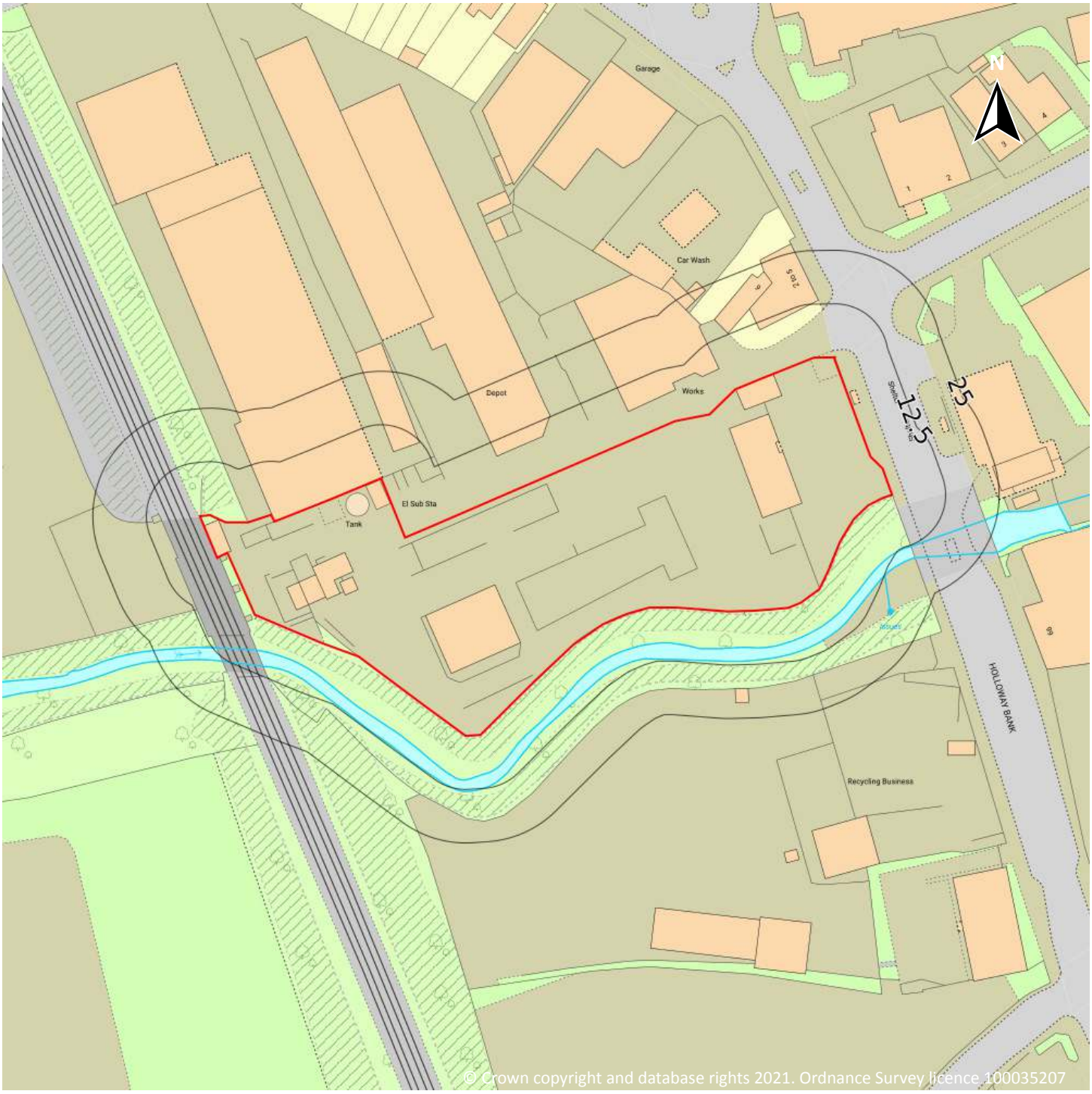
Site Area: 0.63ha

Recent site history - 1999 aerial photograph

Capture Date: 27/07/1999

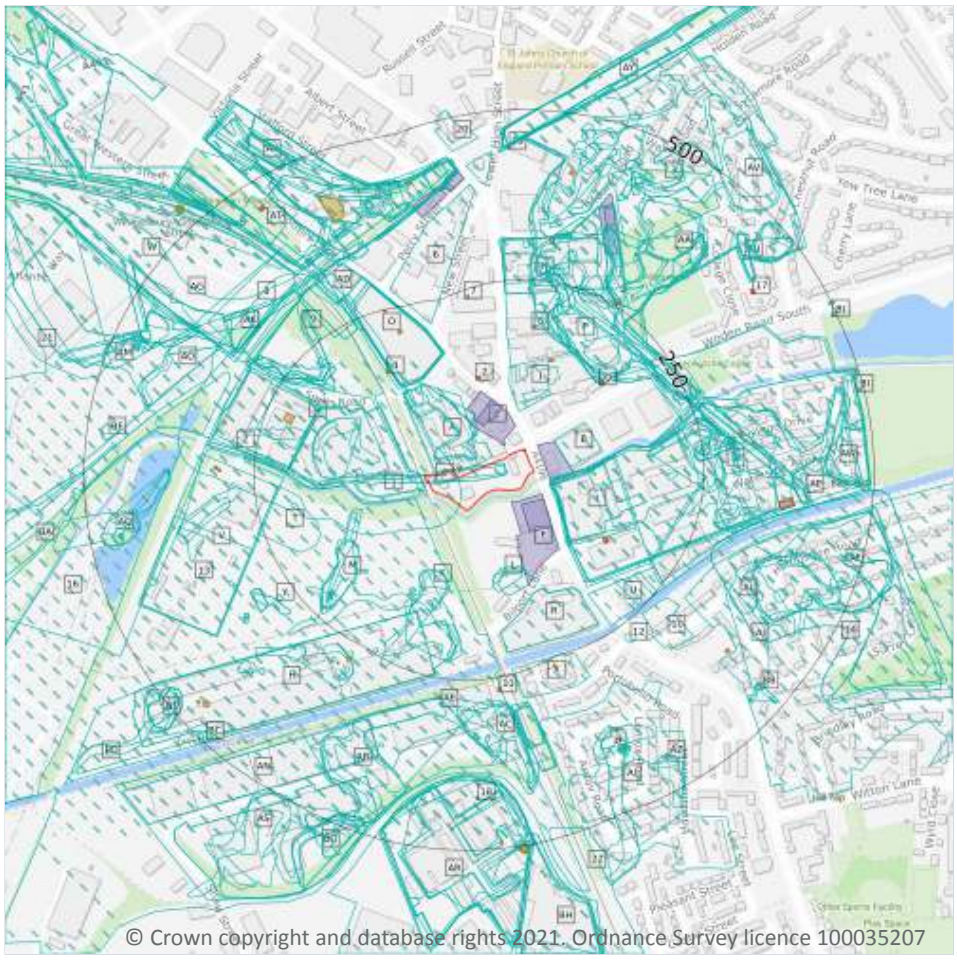
Site Area: 0.63ha

OS MasterMap site plan



Site Area: 0.63ha

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	432

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

Features are displayed on the Past land use map on **page 14**

ID	Location	Land use	Dates present	Group ID
A	**On site**	**Unspecified Depot**	**1970**	**1012759**

ID	Location	Land use	Dates present	Group ID
C	**On site**	**Unspecified Pit**	**1921**	**1120428**
C	**On site**	**Unspecified Pit**	**1913**	**1137613**
C	**On site**	**Unspecified Pit**	**1938**	**1145175**
D	**On site**	**Tube Works**	**1921 - 1938**	**1063676**
1	5m SW	Unspecified Ground Workings	1902 - 1913	1142760
D	6m W	Tube Works	1913	1132635
D	7m SW	Steel Stock Yard	1992	1034655
A	13m NW	Refuse Heap	1913	1144562
D	14m W	Steel Stock Yard	1985 - 1988	1152652
A	14m N	Refuse Heap	1938	1080067
A	16m NW	Refuse Heap	1921 - 1938	1086289
D	21m W	Tube Works	1938	1117546
G	27m SE	Tube Works	1955	1124345
G	28m SE	Unspecified Commercial/Industrial	1938	995908
G	28m SE	Tube Works	1902 - 1913	1121567
H	28m SW	Colliery	1888 - 1889	1049568
I	28m SE	Tube Works	1889	1129825
G	31m E	Tube Works	1921	1087175
I	32m SE	Tube Works	1888	1056794
G	33m SE	Unspecified Works	1970	1098711
I	35m SE	Unspecified Works	1985 - 1988	1090633
I	35m SE	Unspecified Works	1978	1144623
B	45m E	Unspecified Works	1985 - 1992	1077988
D	53m W	Unspecified Works	1970	1021074
J	57m N	Unspecified Foundry	1955	1006325
D	69m W	Refuse Heap	1902	1110604
G	78m E	Unspecified Works	1992	1069957
K	98m SW	Sand Pit	1955	996324

ID	Location	Land use	Dates present	Group ID
K	98m S	Unspecified Heap	1888	1002302
L	99m SE	Sand Pit	1955	996325
K	99m SW	Unspecified Heaps	1889	1021747
L	102m S	Refuse Heap	1921 - 1938	1038461
M	103m SW	Unspecified Ground Workings	1902 - 1913	1119567
K	107m SW	Refuse Heap	1902 - 1913	1046291
L	108m SE	Unspecified Heap	1902 - 1913	1154243
M	110m SW	Unspecified Ground Workings	1888	1135984
D	111m W	Refuse Heap	1913 - 1938	1109936
D	120m NW	Refuse Heap	1938	1118435
N	124m N	Unspecified Works	1970	1084854
O	131m N	Tube Works	1888 - 1889	1080851
O	133m N	Unspecified Commercial/Industrial	1938	1106643
O	133m N	Tube Works	1902	1051787
O	133m N	Unspecified Commercial/Industrial	1921 - 1938	1145378
O	137m N	Unspecified Works	1985 - 1992	1035163
O	137m N	Unspecified Works	1978	1142582
O	137m N	Unspecified Works	1970	1129341
K	138m SW	Old Coal Shafts	1921 - 1938	1078464
M	139m SW	Unspecified Heap	1921 - 1938	1042771
M	139m SW	Unspecified Ground Workings	1938	1072541
K	139m SW	Old Coal Shafts	1938	1074254
K	143m S	Unspecified Old Shafts	1888	1044646
G	144m NE	Pit Colliery	1889	1060881
K	144m S	Unspecified Old Shafts	1889	1099441
3	144m NE	Pit Colliery	1888	1098854
P	146m NE	Unspecified Ground Workings	1889	1157063
D	146m NW	Sand Pit	1955	996326

ID	Location	Land use	Dates present	Group ID
K	147m S	Unspecified Old Shafts	1888	1129120
K	148m S	Unspecified Old Shafts	1889	1094223
M	148m SW	Unspecified Ground Workings	1955	1039663
R	149m S	Unspecified Works	1978	1084968
R	149m S	Unspecified Works	1985 - 1992	1110871
S	149m NE	Unspecified Works	1902	1114924
M	151m SW	Unspecified Shaft	1888	1133944
K	152m SW	Refuse Heap	1921	1137352
M	153m SW	Unspecified Shaft	1889	1146093
P	154m NE	Refuse Heap	1902 - 1913	1039721
P	154m NE	Unspecified Heaps	1888	1021748
P	155m NE	Unspecified Ground Workings	1938	1072003
P	156m NE	Gravel Pit	1955	1004430
P	157m NE	Refuse Heap	1921 - 1938	1119797
H	165m S	Stock Yard	1985 - 1992	1068410
H	165m S	Unspecified Works	1970 - 1978	1082521
H	166m SW	Tube Works	1955	1004181
G	170m E	Refuse Heap	1938	1041785
K	170m S	Refuse Heap	1938	1051788
T	172m SW	Refuse Heap	1970	1020341
G	174m E	Refuse Heap	1921 - 1938	1074628
G	174m E	Refuse Heap	1913	1094098
D	179m NW	Tube Works	1888 - 1889	1111533
D	179m NW	Old Tube Works	1902	1027753
D	182m NW	Unspecified Ground Workings	1938	1134798
D	182m NW	Unspecified Ground Workings	1938	1119839
D	183m W	Railway Sidings	1902	994081
D	183m NW	Unspecified Foundry	1955	1006324

ID	Location	Land use	Dates present	Group ID
N	184m NE	Unspecified Works	1992	1087385
U	184m SE	Unspecified Wharf	1888	1018389
T	191m W	Unspecified Old Shaft	1888 - 1889	1106844
U	194m SE	Basin	1889	1024793
G	196m N	Railway Sidings	1888	994082
D	197m NW	Unspecified Ground Workings	1889	1115043
G	197m E	Unspecified Pit	1902	1030836
D	198m NW	Unspecified Ground Workings	1888	1104712
D	204m NW	Unspecified Heap	1913	1002300
D	204m NW	Refuse Heap	1902	1020339
V	206m W	Unspecified Works	1978	1109403
M	209m SW	Old Coal Shafts	1938	1141410
U	209m SE	Basin	1889	1024795
G	209m NE	Tramway Sidings	1889	1014717
M	210m SW	Old Coal Shafts	1938	1140954
M	214m SW	Old Coal Shafts	1921	1091145
M	215m SW	Unspecified Old Shaft	1888 - 1889	1069656
P	215m NE	Unspecified Ground Workings	1913	1110447
6	216m N	Unspecified Works	1970	1021075
V	216m W	Unspecified Works	1985 - 1992	1110209
P	222m NE	Unspecified Ground Workings	1921 - 1938	1059308
G	223m NE	Unspecified Heap	1955 - 1970	1113892
G	225m NE	Refuse Heap	1902	1114296
G	228m E	Unspecified Heaps	1970	1021746
W	230m NW	Railway Sidings	1955	1033955
W	230m NW	Railway Sidings	1955	1033956
N	231m N	Unspecified Works	1985 - 1988	1123198
G	231m NE	Unspecified Pit	1902	1030837

ID	Location	Land use	Dates present	Group ID
G	236m E	Unspecified Ground Workings	1889	1095835
G	237m E	Unspecified Ground Workings	1888	1099873
N	237m NE	Unspecified Ground Workings	1888	1124276
G	239m E	Unspecified Ground Workings	1888	1055436
8	241m NW	Railway Sidings	1978	1070529
N	241m N	Unspecified Works	1978	1094465
H	242m SW	Chimney	1955	1025517
X	243m S	Iron Works	1888 - 1889	1107624
G	245m E	Unspecified Tank	1938	1017747
G	246m E	Old Coal Shafts	1921 - 1938	1067912
G	251m E	Old Coal Shafts	1902	1097730
9	251m NW	Refuse Heap	1902	1020338
S	255m NE	Pit Colliery	1889	1089854
10	257m SE	Unspecified Wharf	1889	1018388
G	257m E	Unspecified Ground Workings	1955	1069711
P	258m NE	Unspecified Ground Workings	1902	1049296
G	260m E	Unspecified Ground Workings	1913 - 1938	1039777
G	260m E	Unspecified Ground Workings	1902	1122654
N	262m N	Unspecified Works	1955	1050402
H	264m SW	Unspecified Tank	1955	1017746
H	265m SW	Unspecified Heap	1913	1002301
12	265m SE	Unspecified Pit	1921	1030838
G	265m E	Unspecified Ground Workings	1889	1048225
S	269m NE	Unspecified Ground Workings	1889	1146210
V	270m W	Refuse Heap	1913	1120473
Y	271m SW	Old Coal Shafts	1938	1075069
Y	271m SW	Old Coal Shafts	1913	1131797
Z	272m W	Unspecified Tank	1888	1017745

ID	Location	Land use	Dates present	Group ID
H	273m SW	Unspecified Ground Workings	1921	998973
G	273m E	Unspecified Pit	1970	1030835
Y	274m SW	Unspecified Ground Workings	1985 - 1988	1147414
Y	274m SW	Unspecified Ground Workings	1978	1149062
13	275m SW	Unspecified Works	1970	1071081
AA	275m NE	Unspecified Ground Workings	1888	1063105
AB	276m S	Refuse Heap	1938	1072431
AB	278m S	Unspecified Ground Workings	1955 - 1970	1131928
G	278m E	Old Coal Shafts	1921 - 1938	1127694
AB	279m S	Refuse Heap	1938	1041475
G	280m E	Unspecified Ground Workings	1888 - 1889	1149336
G	280m E	Unspecified Ground Workings	1902	1097232
G	281m E	Unspecified Heap	1888	1002259
G	282m E	Old Coal Shafts	1921 - 1938	1091780
AC	283m S	Refuse Heap	1913	1127585
H	283m SW	Chimney	1955	1025515
G	285m E	Old Coal Shafts	1902	1153671
AD	285m NW	Unspecified Heap	1902 - 1938	1075869
AE	285m S	Unspecified Old Shaft	1889	1084336
AE	286m S	Unspecified Old Shaft	1888	1115370
AF	286m SE	Disused Colliery	1938	1037377
AF	286m SE	Disused Colliery	1913	1114391
H	288m SW	Old Coal Shafts	1902	1026029
V	288m W	Refuse Heap	1938	1142174
AC	288m S	Refuse Heap	1921 - 1938	1048325
14	289m SE	Disused Colliery	1955	2366305
G	290m E	Old Coal Shafts	1938	1083758
Y	290m SW	Unspecified Ground Workings	1888	1118337

ID	Location	Land use	Dates present	Group ID
AC	291m S	Unspecified Ground Workings	1955	1050214
G	291m E	Old Coal Shafts	1938	1154206
Y	292m SW	Unspecified Heap	1889	1002298
G	294m E	Unspecified Ground Workings	1938	1110640
AC	295m S	Cuttings	1955	1124408
G	295m E	Old Coal Shafts	1902	1026027
AC	295m S	Cuttings	1938	1064270
AC	295m S	Cuttings	1913	1141420
G	295m E	Old Coal Shafts	1902	1106514
H	296m SW	Unspecified Heap	1888 - 1889	1044896
H	299m SW	Old Coal Shafts	1902	1026028
AG	299m NW	Railway Sidings	1992	1130339
AC	302m S	Cuttings	1921 - 1938	1086803
AC	302m S	Cuttings	1902	1117935
W	304m NW	Railway Sidings	1888	1034030
W	304m NW	Railway Sidings	1889	1034031
H	305m SW	Unspecified Old Shaft	1888 - 1889	1151078
N	306m N	Unspecified Ground Workings	1902	1133655
W	310m NW	Railway Sidings	1938	1061780
AB	311m S	Refuse Heap	1902 - 1921	1094021
AF	313m SE	Disused Colliery	1921 - 1938	1049059
AH	314m NW	Railway Sidings	1970 - 1978	1123731
AI	315m SE	Unspecified Commercial/Industrial	1888	995910
Z	318m NW	Unspecified Pit	1902 - 1913	1061603
Y	318m SW	Old Coal Shafts	1921 - 1938	1072352
W	321m NW	Railway Sidings	1913	1155059
Y	321m SW	Old Coal Shafts	1921 - 1938	1115009
AH	322m NW	Railway Sidings	1921	1117034

ID	Location	Land use	Dates present	Group ID
AJ	325m SE	Unspecified Ground Workings	1970	1098819
Y	326m SW	Old Coal Shafts	1913	1040505
Y	326m SW	Old Coal Shafts	1938	1130306
Y	327m SW	Old Coal Shaft	1902	992349
AH	327m NW	Railway Sidings	1938	1060071
AH	327m NW	Railway Sidings	1902	1090351
S	329m N	Refuse Heap	1970	1020328
15	330m NW	Railway Sidings	1988	1100418
AK	331m NW	Unspecified Pit	1889	1106376
Y	331m SW	Old Coal Shafts	1921	1097569
AK	332m NW	Unspecified Pit	1913 - 1938	1095923
H	332m SW	Unspecified Shaft	1888 - 1889	1073789
AL	332m SE	Unspecified Ground Workings	1955	1049397
AK	333m NW	Unspecified Pit	1902	1051898
AD	333m N	Railway Sidings	1921 - 1938	1054378
AD	333m N	Railway Sidings	1902	1101488
AM	335m NW	Refuse Heap	1992	1065964
S	335m NE	Refuse Heap	1970	1020340
W	336m NW	Railway Sidings	1889	1105509
V	336m W	Gravel Pit	1955	1004429
AD	338m N	Railway Sidings	1889	1040601
AD	338m N	Railway Building	1938	1014066
AN	339m SW	Unspecified Warehouse	1978	1004129
AN	339m SW	Unspecified Warehouses	1985 - 1992	1112222
S	341m N	Unspecified Ground Workings	1888	1078630
AF	343m E	Colliery	1888 - 1889	1155227
AD	347m N	Railway Building	1902	1014065
AD	348m N	Railway Sidings	1978	1082296

ID	Location	Land use	Dates present	Group ID
AD	348m N	Unspecified Works	1978	1120484
AA	348m NE	Unspecified Ground Workings	1902	1138459
AL	349m E	Air Shafts	1889	1027697
AD	350m NW	Railway Building	1913	1086634
AD	350m NW	Railway Building	1938	1148030
AF	351m SE	Sand Pit	1913	1061595
AF	351m SE	Sand Pit	1938	1141738
AM	353m NW	Pottery	1888	1120479
AO	353m NW	Unspecified Pit	1921 - 1938	1069412
AD	354m NW	Railway Building	1955	1096497
AF	355m SE	Sand Pit	1921 - 1938	1099742
AF	355m SE	Colliery	1902	1111254
AA	355m NE	Unspecified Heap	1902	1002258
AO	356m NW	Unspecified Pit	1938	1037811
AO	356m NW	Unspecified Pit	1902 - 1913	1089646
16	356m W	Colliery	1888	1103565
AD	357m NW	Railway Building	1955	1014068
H	361m SW	Unspecified Tank	1978	1017750
H	361m SW	Chimney	1970	1025516
AB	364m S	Unspecified Old Shaft	1888 - 1889	1140727
AD	365m NW	Railway Building	1955	1014067
H	365m SW	Unspecified Pit	1913 - 1938	1142666
AD	368m NW	Railway Sidings	1889	1055327
AD	369m N	Railway Building	1902	1037552
AD	369m N	Unspecified Works	1992	1140500
AD	371m N	Railway Building	1955	1104081
H	372m SW	Old Coal Shafts	1902	1026025
AD	372m N	Railway Building	1970	1085094

ID	Location	Land use	Dates present	Group ID
AQ	373m W	Unspecified Ground Workings	1938	998974
AI	374m S	Unspecified Ground Workings	1970	1052406
AQ	374m W	Unspecified Pit	1913	1068735
AQ	374m W	Unspecified Pit	1921 - 1938	1123969
AD	375m N	Railway Station	1888	1081083
AD	375m N	Railway Station	1889	1139351
AC	377m S	Refuse Heap	1902	1078882
AI	378m S	Unspecified Heap	1921 - 1938	1078337
AI	378m S	Unspecified Ground Workings	1913	1147929
AD	379m N	Railway Station	1902 - 1938	1058500
AD	380m N	Railway Station	1955	1057681
AI	381m SE	Unspecified Ground Workings	1888	1055885
H	382m SW	Unspecified Shaft	1888 - 1889	1130525
AD	383m N	Railway Sidings	1955	1066225
AC	384m S	Cuttings	1938	1050661
AR	389m S	Unspecified Works	1992	1102075
W	390m NW	Railway Sidings	1921 - 1985	1109439
AR	390m S	Unspecified Foundry	1902 - 1955	1143961
AF	391m E	Unspecified Heap	1955	1002260
AR	391m S	Unspecified Works	1970	1118990
S	391m N	Unspecified Ground Workings	1978	1134851
S	391m N	Unspecified Ground Workings	1985 - 1988	1067253
AR	391m S	Unspecified Works	1978	1076128
AR	391m S	Unspecified Works	1985 - 1992	1144530
AP	393m E	Basin	1889	1024794
AF	394m E	Air Shafts	1889	1027696
AR	395m S	Unspecified Foundry	1889	1096049
AF	395m SE	Unspecified Heap	1955	1002261

ID	Location	Land use	Dates present	Group ID
AG	396m NW	Unspecified Pit	1902	1030827
AD	396m N	Railway Building	1902 - 1913	1109182
AR	397m S	Unspecified Foundry	1888	1078322
AD	398m N	Cuttings	1902 - 1938	1136556
AG	400m NW	Refuse Heap	1913	1131225
AG	400m NW	Refuse Heap	1902	1086881
AD	400m N	Cuttings	1889	1114372
AS	402m SW	Unspecified Works	1970	1141979
AD	402m N	Unspecified Tanks	1992	1010311
AF	403m E	Sand Pit	1888 - 1889	1066648
AD	403m N	Cuttings	1955	1094228
AI	403m S	Unspecified Old Shafts	1955	1107130
AF	405m SE	Gravel Pit	1955	1004436
AI	406m S	Unspecified Old Shafts	1938	1089114
AD	406m N	Railway Building	1955	1014064
AO	407m NW	Refuse Heap	1902	1080108
AI	407m S	Unspecified Disused Shaft	1970	1008909
AI	407m S	Old Coal Shafts	1938	1026030
AT	407m NW	Unspecified Depot	1992	1012756
AI	408m S	Unspecified Old Shafts	1955	1072476
AI	408m S	Unspecified Old Shafts	1889	1154812
S	408m NE	Unspecified Ground Workings	1913	1054238
S	408m NE	Unspecified Ground Workings	1902	1107485
AI	408m S	Unspecified Old Shafts	1889	1112184
AR	409m S	Railway Sidings	1902	1064925
AR	409m S	Railway Sidings	1921 - 1938	1100545
AI	410m SE	Unspecified Old Shafts	1913	1051531
AI	410m SE	Unspecified Old Shafts	1938	1101571

ID	Location	Land use	Dates present	Group ID
AI	411m S	Unspecified Old Shafts	1921	1110609
AI	412m SE	Unspecified Old Shafts	1938	1098409
AU	413m NE	Unspecified Pit	1938	1055691
AV	415m NE	Unspecified Ground Workings	1888	1138943
AR	416m S	Railway Sidings	1938	1118712
S	416m N	Unspecified Ground Workings	1902 - 1913	1140002
AU	416m NE	Unspecified Ground Workings	1902	998964
AU	416m NE	Unspecified Pit	1913	1097407
AU	416m NE	Unspecified Heap	1921 - 1938	1138139
S	417m N	Unspecified Heap	1902 - 1913	1108570
AR	417m S	Railway Sidings	1913	1105331
AI	417m S	Unspecified Old Shafts	1921	993203
AS	418m S	Unspecified Works	1985 - 1992	1086164
AS	418m S	Unspecified Works	1978	1091333
H	418m SW	Unspecified Shaft	1888 - 1889	1051190
AI	420m SE	Refuse Heap	1970	1020343
S	422m NE	Unspecified Pits	1902 - 1938	1055240
AW	422m E	Unspecified Ground Workings	1955	1079828
AQ	422m W	Refuse Heap	1913	1035594
AW	426m E	Unspecified Ground Workings	1889	1126526
AG	429m NW	Unspecified Heap	1938	1101508
AW	430m E	Unspecified Ground Workings	1888	1064108
AX	430m N	Unspecified Works	1992	1151675
AG	432m NW	Unspecified Heap	1921 - 1938	1069318
AF	435m SE	Unspecified Ground Workings	1955	998967
S	436m N	Unspecified Pit	1888 - 1889	1125864
AQ	436m W	Unspecified Heap	1889	1002299
AD	438m N	Railway Building	1970	1014063

ID	Location	Land use	Dates present	Group ID
AY	438m N	Cuttings	1888 - 1970	1097428
AY	440m N	Cuttings	1889	1097535
AU	442m NE	Unspecified Heap	1889	1091423
S	442m N	Unspecified Pits	1902 - 1938	1152088
AU	444m NE	Unspecified Ground Workings	1888	998965
AU	445m NE	Unspecified Heap	1913 - 1938	1066101
AZ	445m SE	Unspecified Old Shafts	1888	993204
AZ	446m SE	Unspecified Pit	1955	1125933
AY	446m N	Cuttings	1955	1076962
AY	446m N	Cuttings	1913	1049986
AY	446m N	Cuttings	1921	1058686
AY	446m N	Cuttings	1938	1080494
AY	446m N	Cuttings	1938	1130154
AY	446m N	Cuttings	1902	1140760
AU	448m NE	Unspecified Heap	1902	1049881
BA	449m W	Railway Sidings	1955	1060327
AY	449m N	Cuttings	1985 - 1992	1098332
AY	449m N	Cuttings	1978	1132414
AZ	449m SE	Unspecified Pit	1902 - 1938	1123376
BB	450m SE	Unspecified Ground Workings	1889	1085586
20	451m N	Police Station	1970	1022703
AQ	451m W	Refuse Heap	1921 - 1938	1127969
AQ	451m W	Coal Pit	1889	1005099
AQ	452m W	Old Coal Pit	1888	1024505
BB	452m SE	Unspecified Pit	1888	1030839
21	453m NW	Unspecified Ground Workings	1970 - 1978	1050578
W	454m NW	Unspecified Commercial/Industrial	1921	1065865
W	454m NW	Unspecified Commercial/Industrial	1902	1075684

ID	Location	Land use	Dates present	Group ID
BD	454m SW	Unspecified Ground Workings	1913	1046532
BE	454m W	Refuse Heap	1902	1064547
BE	454m W	Refuse Heap	1913	1083479
AG	457m NW	Old Coal Shafts	1938	1089574
AG	458m NW	Old Coal Shafts	1921	1047356
W	458m NW	Unspecified Depot	1985 - 1988	1144848
AG	459m NW	Old Coal Shafts	1938	1152696
AG	460m NW	Old Coal Shafts	1913	1084195
W	463m NW	Railway Sidings	1889	1083881
AG	463m NW	Unspecified Old Shafts	1888 - 1889	1063151
AG	464m NW	Unspecified Old Shaft	1888 - 1889	1129560
S	464m NE	Unspecified Ground Workings	1902	1145943
S	464m NE	Unspecified Ground Workings	1913	1148584
AG	464m NW	Old Coal Shafts	1938	1122750
AG	464m NW	Old Coal Shafts	1938	1102866
AG	464m NW	Old Coal Shafts	1913	1102946
S	467m N	Unspecified Pit	1888	1030829
AG	469m NW	Unspecified Old Shafts	1888 - 1889	1034785
AU	472m NE	Unspecified Old Shaft	1888 - 1889	1109741
AV	473m NE	Unspecified Ground Workings	1889	1100795
AF	473m E	Unspecified Heap	1938	1053693
AF	473m E	Unspecified Heap	1913	1144335
BF	475m SW	Gravel Pit	1902	1004440
BF	475m SW	Unspecified Pit	1938	1086316
BF	475m SW	Unspecified Pit	1913	1080128
BG	478m S	Unspecified Heap	1938	1066126
BG	478m S	Unspecified Heap	1913	1150360
AD	479m N	Railway Building	1970	1014069

ID	Location	Land use	Dates present	Group ID
BF	479m SW	Unspecified Pit	1938	1086499
AS	479m S	Refuse Heap	1902	1051836
BC	480m SW	Old Brick Kilns	1888	1078580
AM	480m NW	Unspecified Heap	1902 - 1938	1105559
BC	480m SW	Old Brick Kilns	1889	1102053
BG	481m S	Unspecified Ground Workings	1921 - 1938	1136965
AS	481m SW	Refuse Heap	1970	1073419
22	483m S	Cuttings	1970	1042682
BF	483m SW	Unspecified Pit	1921	1067571
BH	483m S	Unspecified Commercial/Industrial	1938	995909
BH	483m S	Unspecified Works	1913	1120001
BG	484m S	Unspecified Heap	1888	1104463
BD	485m SW	Unspecified Ground Workings	1955	1152622
AM	485m NW	Unspecified Heap	1955	1156461
BG	485m S	Unspecified Ground Workings	1889	1057215
BH	485m S	Unspecified Works	1921	1043452
W	487m NW	Railway Building	1921	1157078
W	488m NW	Railway Station	1889	1154205
BI	488m E	Unspecified Shaft	1889	1009470
AX	488m NW	Goods Shed	1888 - 1889	1122209
W	489m NW	Railway Buildings	1938	1024336
AV	489m NE	Refuse Heap	1902 - 1913	1114002
W	490m NW	Railway Building	1938	1091915
BC	491m SW	Old Brick Kilns	1889	1146181
BJ	492m NE	Unspecified Old Shafts	1889	993193
BF	493m SW	Clay Pit	1888 - 1889	1146154
AX	493m NW	Goods Shed	1902 - 1938	1077051
W	494m NW	Railway Building	1955	1131518

ID	Location	Land use	Dates present	Group ID
AX	494m NW	Railway Building	1970	1014070
AR	494m S	Unspecified Tank	1938	1102854
BI	494m E	Unspecified Shaft	1888	1009471
BJ	495m NE	Unspecified Old Shafts	1889	993192
AR	495m S	Unspecified Tank	1938	1113412
BJ	495m NE	Unspecified Shafts	1888	1005759
AY	495m N	Unspecified Ground Workings	1889	1123086
AX	495m NW	Goods Shed	1955	1106713
AR	498m S	Unspecified Tank	1888 - 1889	1145371
BA	498m W	Railway Sidings	1970 - 1985	1109918
BJ	499m NE	Unspecified Shafts	1888	1005758

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m	**31**

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 14**

ID	Location	Land use	Dates present	Group ID
B	**On site**	**Unspecified Tank**	**1977**	**154068**
J	134m N	Unspecified Tank	1988 - 1992	164201
Q	147m NE	Unspecified Tank	1988	154070
4	160m N	Unspecified Tank	1890	154089
D	209m NW	Unspecified Tank	1937	154087
O	211m N	Unspecified Tank	1890	162941
O	212m N	Unspecified Tank	1903 - 1919	164703

ID	Location	Land use	Dates present	Group ID
O	232m NW	Unspecified Tank	1890	154091
7	236m N	Unspecified Tank	1903 - 1919	164478
O	247m N	Unspecified Tank	1903	154090
P	252m NE	Unspecified Tank	1988	162440
P	252m NE	Unspecified Tank	1992	162664
X	260m SE	Unspecified Tank	1919	154069
11	264m S	Unspecified Tank	1979 - 1992	161948
H	271m SW	Unspecified Tank	1937	154088
P	272m NE	Unspecified Tank	1973	154066
H	287m SW	Unspecified Tank	1979	167563
H	287m SW	Unspecified Tank	1972	162987
Z	299m W	Tanks	1988 - 1999	160420
Z	301m W	Unspecified Tank	1903	154086
Z	304m W	Tanks	1996 - 1999	164407
Z	305m W	Tanks	1988	167550
G	306m E	Unspecified Tank	1973 - 1989	163486
AD	394m N	Tanks	1988 - 1991	158275
18	421m S	Unspecified Tank	1992	154081
AD	423m N	Unspecified Tank	1903 - 1937	158288
BC	452m SW	Unspecified Tank	1938	154082
BC	461m SW	Unspecified Tank	1919	154083
AR	488m S	Unspecified Tank	1992	154080
AR	500m S	Unspecified Tank	1919	154079
AR	500m S	Gasometer	1890 - 1904	167880

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m	20

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 14**

ID	Location	Land use	Dates present	Group ID
C	7m E	Electricity Substation	1988 - 1992	92689
2	119m NW	Electricity Substation	1977 - 1992	89874
I	141m SE	Electricity Substation	1988	95572
I	141m SE	Electricity Substation	1977 - 1992	91517
Q	148m NE	Electricity Substation	1977 - 1992	91756
5	179m N	Electricity Substation	1988	86973
N	305m N	Electricity Substation	1988 - 1991	93371
AP	362m E	Gas Grid House	1989	91392
AP	363m E	Gas Grid House	1973 - 1992	96409
AI	378m S	Electricity Substation	1992	86981
AJ	383m SE	Electricity Substation	1987 - 1996	90288
AI	393m S	Electricity Substation	1996	92359
AI	393m S	Electricity Substation	1972 - 1979	90682
AI	394m S	Electricity Station	1970 - 1987	95277
17	405m NE	Electricity Substation	1989 - 1992	92688
S	410m N	Electricity Substation	1970 - 1991	91269
19	444m N	Electricity Substation	1988 - 1991	93826
AT	455m NW	Electricity Substation	1991 - 1996	94746
AT	457m NW	Electricity Substation	1987	91966
AR	500m S	Gasometer	1890 - 1904	92654

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	10

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 14**

ID	Location	Land use	Dates present	Group ID
E	16m NW	Garage	1988 - 1992	31344
F	17m S	Garage	1992	29644
B	18m E	Garage	1977	28256
F	23m S	Garage	1977 - 1988	30675
E	55m NW	Garage	1977	29680
S	313m N	Garage	1965 - 1970	31780
S	345m N	Garage	1964	28743
AD	372m N	Garage	1988 - 1991	30917
AD	394m N	Garage	1964	29144
AD	394m N	Garage	1965 - 1970	31019

This data is sourced from Ordnance Survey / Groundsure.

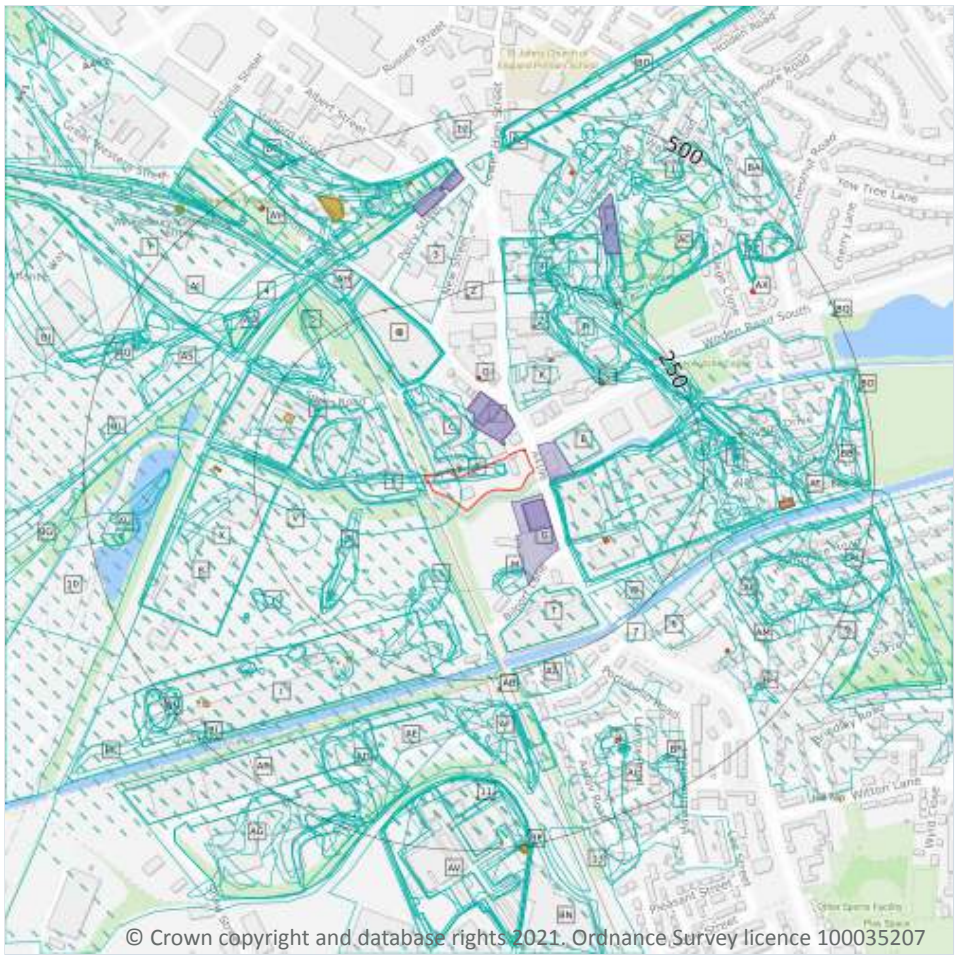
1.6 Historical military land

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	574

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 35**

ID	Location	Land Use	Date	Group ID
A	**On site**	**Unspecified Pit**	**1938**	**1145175**
A	**On site**	**Unspecified Pit**	**1938**	**1145175**
A	**On site**	**Unspecified Pit**	**1913**	**1137613**

ID	Location	Land Use	Date	Group ID
A	**On site**	**Unspecified Pit**	**1921**	**1120428**
C	**On site**	**Unspecified Depot**	**1970**	**1012759**
D	**On site**	**Tube Works**	**1921**	**1063676**
D	**On site**	**Tube Works**	**1938**	**1063676**
E	5m SW	Unspecified Ground Workings	1913	1142760
E	5m SW	Unspecified Ground Workings	1902	1142760
D	6m W	Tube Works	1913	1132635
D	7m SW	Steel Stock Yard	1992	1034655
C	13m NW	Refuse Heap	1913	1144562
D	14m W	Steel Stock Yard	1985	1152652
D	14m W	Steel Stock Yard	1988	1152652
C	14m N	Refuse Heap	1938	1080067
C	16m NW	Refuse Heap	1938	1086289
C	16m NW	Refuse Heap	1921	1086289
D	21m W	Tube Works	1938	1117546
H	27m SE	Tube Works	1955	1124345
H	28m SE	Unspecified Commercial/Industrial	1938	995908
H	28m SE	Tube Works	1913	1121567
I	28m SW	Colliery	1888	1049568
H	28m SE	Tube Works	1889	1129825
J	28m SW	Colliery	1889	1049568
H	31m E	Tube Works	1921	1087175
H	31m E	Tube Works	1902	1121567
H	32m SE	Tube Works	1888	1056794
H	33m SE	Unspecified Works	1970	1098711
H	35m SE	Unspecified Works	1985	1090633
H	35m SE	Unspecified Works	1988	1090633
H	35m SE	Unspecified Works	1978	1144623

ID	Location	Land Use	Date	Group ID
B	45m E	Unspecified Works	1985	1077988
B	45m E	Unspecified Works	1988	1077988
B	45m E	Unspecified Works	1992	1077988
D	53m W	Unspecified Works	1970	1021074
K	57m N	Unspecified Foundry	1955	1006325
D	69m W	Refuse Heap	1902	1110604
H	78m E	Unspecified Works	1992	1069957
L	98m SW	Sand Pit	1955	996324
L	98m S	Unspecified Heap	1888	1002302
M	99m SE	Sand Pit	1955	996325
L	99m SW	Unspecified Heaps	1889	1021747
M	102m S	Refuse Heap	1921	1038461
N	103m SW	Unspecified Ground Workings	1902	1119567
M	103m SE	Refuse Heap	1938	1038461
L	107m SW	Refuse Heap	1913	1046291
L	107m SW	Refuse Heap	1902	1046291
M	108m SE	Unspecified Heap	1913	1154243
M	108m SE	Unspecified Heap	1902	1154243
N	110m SW	Unspecified Ground Workings	1888	1135984
D	111m W	Refuse Heap	1938	1109936
D	111m W	Refuse Heap	1921	1109936
D	117m NW	Refuse Heap	1913	1109936
D	120m NW	Refuse Heap	1938	1118435
P	124m N	Unspecified Works	1970	1084854
Q	131m N	Tube Works	1889	1080851
Q	133m N	Unspecified Commercial/Industrial	1938	1106643
Q	133m N	Unspecified Commercial/Industrial	1938	1145378
Q	133m N	Unspecified Commercial/Industrial	1921	1145378

ID	Location	Land Use	Date	Group ID
Q	133m N	Tube Works	1902	1051787
Q	134m N	Tube Works	1888	1080851
Q	137m N	Unspecified Works	1985	1035163
Q	137m N	Unspecified Works	1988	1035163
Q	137m N	Unspecified Works	1992	1035163
Q	137m N	Unspecified Works	1978	1142582
Q	137m N	Unspecified Works	1970	1129341
L	138m SW	Old Coal Shafts	1921	1078464
L	138m SW	Old Coal Shafts	1938	1078464
N	139m SW	Unspecified Ground Workings	1938	1072541
N	139m SW	Unspecified Heap	1938	1042771
N	139m SW	Unspecified Ground Workings	1913	1119567
N	139m SW	Unspecified Heap	1921	1042771
L	139m SW	Old Coal Shafts	1938	1074254
L	143m S	Unspecified Old Shafts	1888	1044646
H	144m NE	Pit Colliery	1889	1060881
L	144m S	Unspecified Old Shafts	1889	1099441
1	144m NE	Pit Colliery	1888	1098854
R	146m NE	Unspecified Ground Workings	1889	1157063
D	146m NW	Sand Pit	1955	996326
L	147m S	Unspecified Old Shafts	1888	1129120
L	148m S	Unspecified Old Shafts	1889	1094223
N	148m SW	Unspecified Ground Workings	1955	1039663
T	149m S	Unspecified Works	1985	1110871
T	149m S	Unspecified Works	1988	1110871
T	149m S	Unspecified Works	1992	1110871
T	149m S	Unspecified Works	1978	1084968
U	149m NE	Unspecified Works	1902	1114924

ID	Location	Land Use	Date	Group ID
N	151m SW	Unspecified Shaft	1888	1133944
L	152m SW	Refuse Heap	1921	1137352
N	153m SW	Unspecified Shaft	1889	1146093
R	154m NE	Refuse Heap	1913	1039721
R	154m NE	Unspecified Heaps	1888	1021748
R	155m NE	Unspecified Ground Workings	1938	1072003
R	156m NE	Gravel Pit	1955	1004430
R	157m NE	Refuse Heap	1938	1119797
R	157m NE	Refuse Heap	1921	1119797
R	162m NE	Refuse Heap	1902	1039721
I	165m S	Stock Yard	1985	1068410
I	165m S	Unspecified Works	1970	1082521
I	165m S	Stock Yard	1988	1068410
I	165m S	Stock Yard	1992	1068410
I	165m S	Unspecified Works	1978	1082521
I	166m SW	Tube Works	1955	1004181
H	170m E	Refuse Heap	1938	1041785
L	170m S	Refuse Heap	1938	1051788
V	172m SW	Refuse Heap	1970	1020341
H	174m E	Refuse Heap	1938	1074628
H	174m E	Refuse Heap	1913	1094098
H	174m E	Refuse Heap	1921	1074628
D	179m NW	Tube Works	1888	1111533
D	179m NW	Old Tube Works	1902	1027753
D	182m NW	Tube Works	1889	1111533
D	182m NW	Unspecified Ground Workings	1938	1134798
D	182m NW	Unspecified Ground Workings	1938	1119839
D	183m W	Railway Sidings	1902	994081

ID	Location	Land Use	Date	Group ID
D	183m NW	Unspecified Foundry	1955	1006324
P	184m NE	Unspecified Works	1992	1087385
W	184m SE	Unspecified Wharf	1888	1018389
V	191m W	Unspecified Old Shaft	1888	1106844
V	193m W	Unspecified Old Shaft	1889	1106844
W	194m SE	Basin	1889	1024793
H	196m N	Railway Sidings	1888	994082
D	197m NW	Unspecified Ground Workings	1889	1115043
H	197m E	Unspecified Pit	1902	1030836
D	198m NW	Unspecified Ground Workings	1888	1104712
D	204m NW	Unspecified Heap	1913	1002300
D	204m NW	Refuse Heap	1902	1020339
X	206m W	Unspecified Works	1978	1109403
N	209m SW	Old Coal Shafts	1938	1141410
W	209m SE	Basin	1889	1024795
H	209m NE	Tramway Sidings	1889	1014717
N	210m SW	Old Coal Shafts	1938	1140954
N	214m SW	Old Coal Shafts	1921	1091145
N	215m SW	Unspecified Old Shaft	1888	1069656
R	215m NE	Unspecified Ground Workings	1913	1110447
3	216m N	Unspecified Works	1970	1021075
X	216m W	Unspecified Works	1985	1110209
X	216m W	Unspecified Works	1988	1110209
X	216m W	Unspecified Works	1992	1110209
N	217m SW	Unspecified Old Shaft	1889	1069656
R	222m NE	Unspecified Ground Workings	1938	1059308
R	222m NE	Unspecified Ground Workings	1921	1059308
H	223m NE	Unspecified Heap	1955	1113892

ID	Location	Land Use	Date	Group ID
H	225m NE	Refuse Heap	1902	1114296
H	228m NE	Unspecified Heap	1970	1113892
H	228m E	Unspecified Heaps	1970	1021746
Y	230m NW	Railway Sidings	1955	1033955
P	231m N	Unspecified Works	1985	1123198
P	231m N	Unspecified Works	1988	1123198
H	231m NE	Unspecified Pit	1902	1030837
H	236m E	Unspecified Ground Workings	1889	1095835
H	237m E	Unspecified Ground Workings	1888	1099873
P	237m NE	Unspecified Ground Workings	1888	1124276
H	239m E	Unspecified Ground Workings	1888	1055436
4	241m NW	Railway Sidings	1978	1070529
P	241m N	Unspecified Works	1978	1094465
I	242m SW	Chimney	1955	1025517
AA	243m S	Iron Works	1889	1107624
AA	244m S	Iron Works	1888	1107624
H	245m E	Unspecified Tank	1938	1017747
H	246m E	Old Coal Shafts	1921	1067912
H	246m E	Old Coal Shafts	1938	1067912
H	251m E	Old Coal Shafts	1902	1097730
5	251m NW	Refuse Heap	1902	1020338
U	255m NE	Pit Colliery	1889	1089854
6	257m SE	Unspecified Wharf	1889	1018388
H	257m E	Unspecified Ground Workings	1955	1069711
R	258m NE	Unspecified Ground Workings	1902	1049296
H	260m E	Unspecified Ground Workings	1938	1039777
H	260m E	Unspecified Ground Workings	1913	1039777
H	260m E	Unspecified Ground Workings	1921	1039777

ID	Location	Land Use	Date	Group ID
H	260m E	Unspecified Ground Workings	1902	1122654
P	262m N	Unspecified Works	1955	1050402
I	264m SW	Unspecified Tank	1955	1017746
I	265m SW	Unspecified Heap	1913	1002301
7	265m SE	Unspecified Pit	1921	1030838
H	265m E	Unspecified Ground Workings	1889	1048225
U	269m NE	Unspecified Ground Workings	1889	1146210
X	270m W	Refuse Heap	1913	1120473
J	271m SW	Old Coal Shafts	1913	1131797
J	271m SW	Old Coal Shafts	1938	1075069
D	272m W	Unspecified Tank	1888	1017745
I	273m SW	Unspecified Ground Workings	1921	998973
H	273m E	Unspecified Pit	1970	1030835
J	274m SW	Unspecified Ground Workings	1985	1147414
J	274m SW	Unspecified Ground Workings	1988	1147414
J	274m SW	Unspecified Ground Workings	1978	1149062
8	275m SW	Unspecified Works	1970	1071081
AC	275m NE	Unspecified Ground Workings	1888	1063105
AD	276m S	Refuse Heap	1938	1072431
AE	278m S	Unspecified Ground Workings	1970	1131928
H	278m E	Old Coal Shafts	1921	1127694
AE	279m S	Refuse Heap	1938	1041475
H	280m E	Unspecified Ground Workings	1889	1149336
H	280m E	Unspecified Ground Workings	1902	1097232
H	281m E	Old Coal Shafts	1938	1127694
H	281m E	Unspecified Heap	1888	1002259
H	282m E	Unspecified Ground Workings	1888	1149336
H	282m E	Old Coal Shafts	1938	1091780

ID	Location	Land Use	Date	Group ID
AF	283m S	Refuse Heap	1913	1127585
I	283m SW	Chimney	1955	1025515
AG	284m S	Unspecified Ground Workings	1955	1131928
H	285m E	Old Coal Shafts	1902	1153671
AH	285m NW	Unspecified Heap	1938	1075869
AH	285m NW	Unspecified Heap	1913	1075869
AH	285m NW	Unspecified Heap	1921	1075869
AH	285m NW	Unspecified Heap	1902	1075869
AE	285m S	Unspecified Old Shaft	1889	1084336
AE	286m S	Unspecified Old Shaft	1888	1115370
AI	286m SE	Disused Colliery	1913	1114391
AI	286m SE	Disused Colliery	1938	1037377
I	288m SW	Old Coal Shafts	1902	1026029
X	288m W	Refuse Heap	1938	1142174
AF	288m S	Refuse Heap	1938	1048325
AF	288m S	Refuse Heap	1921	1048325
9	289m SE	Disused Colliery	1955	2366305
H	289m E	Old Coal Shafts	1921	1091780
H	290m E	Old Coal Shafts	1938	1083758
J	290m SW	Unspecified Ground Workings	1888	1118337
AF	291m S	Unspecified Ground Workings	1955	1050214
H	291m E	Old Coal Shafts	1938	1154206
J	292m SW	Unspecified Heap	1889	1002298
H	294m E	Unspecified Ground Workings	1938	1110640
AF	295m S	Cuttings	1955	1124408
H	295m E	Old Coal Shafts	1902	1026027
AF	295m S	Cuttings	1913	1141420
AF	295m S	Cuttings	1938	1064270

ID	Location	Land Use	Date	Group ID
H	295m E	Old Coal Shafts	1902	1106514
I	296m SW	Unspecified Heap	1888	1044896
I	296m SW	Unspecified Heap	1889	1044896
I	299m SW	Old Coal Shafts	1902	1026028
AJ	299m NW	Railway Sidings	1992	1130339
AF	302m S	Cuttings	1921	1086803
AF	302m S	Cuttings	1902	1117935
AF	302m S	Cuttings	1938	1086803
Y	304m NW	Railway Sidings	1888	1034030
I	305m SW	Unspecified Old Shaft	1888	1151078
P	306m N	Unspecified Ground Workings	1902	1133655
I	306m SW	Unspecified Old Shaft	1889	1151078
Y	310m NW	Railway Sidings	1938	1061780
AE	311m S	Refuse Heap	1902	1094021
AI	313m SE	Disused Colliery	1938	1049059
AI	313m SE	Disused Colliery	1921	1049059
AK	314m NW	Railway Sidings	1970	1123731
AL	315m SE	Unspecified Commercial/Industrial	1888	995910
D	318m NW	Unspecified Pit	1913	1061603
D	318m NW	Unspecified Pit	1902	1061603
J	318m SW	Old Coal Shafts	1921	1072352
J	318m SW	Old Coal Shafts	1938	1072352
Y	321m NW	Railway Sidings	1913	1155059
J	321m SW	Old Coal Shafts	1921	1115009
J	321m SW	Old Coal Shafts	1938	1115009
AK	322m NW	Railway Sidings	1921	1117034
AM	325m SE	Unspecified Ground Workings	1970	1098819
J	326m SW	Old Coal Shafts	1913	1040505

ID	Location	Land Use	Date	Group ID
J	326m SW	Old Coal Shafts	1938	1130306
J	327m SW	Old Coal Shaft	1902	992349
J	327m SW	Old Coal Shafts	1938	1130306
AK	327m NW	Railway Sidings	1938	1060071
AK	327m NW	Railway Sidings	1902	1090351
U	329m N	Refuse Heap	1970	1020328
AN	330m NW	Railway Sidings	1988	1100418
AO	331m NW	Unspecified Pit	1889	1106376
J	331m SW	Old Coal Shafts	1921	1097569
AO	332m NW	Unspecified Pit	1938	1095923
AO	332m NW	Unspecified Pit	1921	1095923
I	332m SW	Unspecified Shaft	1889	1073789
AP	332m SE	Unspecified Ground Workings	1955	1049397
I	332m SW	Unspecified Shaft	1888	1073789
AO	333m NW	Unspecified Pit	1938	1095923
AO	333m NW	Unspecified Pit	1913	1095923
AO	333m NW	Unspecified Pit	1902	1051898
AH	333m N	Railway Sidings	1938	1054378
AH	333m N	Railway Sidings	1921	1054378
AH	333m N	Railway Sidings	1902	1101488
AQ	335m NW	Refuse Heap	1992	1065964
U	335m NE	Refuse Heap	1970	1020340
Y	336m NW	Railway Sidings	1889	1105509
X	336m W	Gravel Pit	1955	1004429
AH	338m N	Railway Sidings	1889	1040601
AH	338m N	Railway Building	1938	1014066
AR	339m SW	Unspecified Warehouses	1985	1112222
AR	339m SW	Unspecified Warehouses	1988	1112222

ID	Location	Land Use	Date	Group ID
AR	339m SW	Unspecified Warehouses	1992	1112222
AR	339m SW	Unspecified Warehouse	1978	1004129
U	341m N	Unspecified Ground Workings	1888	1078630
AI	343m E	Colliery	1889	1155227
AI	347m E	Colliery	1888	1155227
AH	347m N	Railway Building	1902	1014065
AH	348m N	Unspecified Works	1978	1120484
AH	348m N	Railway Sidings	1978	1082296
AC	348m NE	Unspecified Ground Workings	1902	1138459
AP	349m E	Air Shafts	1889	1027697
AH	350m NW	Railway Building	1938	1148030
AH	350m NW	Railway Building	1913	1086634
AI	351m SE	Sand Pit	1913	1061595
AI	351m SE	Sand Pit	1938	1141738
AQ	353m NW	Pottery	1888	1120479
AS	353m NW	Unspecified Pit	1938	1069412
AS	353m NW	Unspecified Pit	1921	1069412
AH	354m NW	Railway Building	1955	1096497
AI	355m SE	Sand Pit	1921	1099742
AI	355m SE	Sand Pit	1938	1099742
AI	355m SE	Colliery	1902	1111254
AC	355m NE	Unspecified Heap	1902	1002258
AS	356m NW	Unspecified Pit	1938	1037811
AS	356m NW	Unspecified Pit	1913	1089646
AS	356m NW	Unspecified Pit	1902	1089646
10	356m W	Colliery	1888	1103565
AH	357m NW	Railway Building	1955	1014068
AD	357m SW	Refuse Heap	1913	1094021

ID	Location	Land Use	Date	Group ID
I	361m SW	Chimney	1970	1025516
I	361m SW	Unspecified Tank	1978	1017750
AD	364m S	Unspecified Old Shaft	1888	1140727
AD	365m S	Unspecified Old Shaft	1889	1140727
AH	365m NW	Railway Building	1955	1014067
I	365m SW	Unspecified Pit	1938	1142666
I	365m SW	Unspecified Pit	1913	1142666
I	366m SW	Unspecified Pit	1938	1142666
I	366m SW	Unspecified Pit	1921	1142666
AH	368m NW	Railway Sidings	1889	1055327
AH	369m N	Railway Building	1902	1037552
AH	369m N	Unspecified Works	1992	1140500
AD	370m SW	Refuse Heap	1921	1094021
AH	371m N	Railway Building	1955	1104081
I	372m SW	Old Coal Shafts	1902	1026025
AH	372m N	Railway Building	1970	1085094
AU	373m W	Unspecified Ground Workings	1938	998974
AL	374m S	Unspecified Ground Workings	1970	1052406
AU	374m W	Unspecified Pit	1913	1068735
AU	374m W	Unspecified Pit	1938	1123969
AU	374m W	Unspecified Pit	1921	1123969
AH	375m N	Railway Station	1888	1081083
AH	375m N	Railway Station	1889	1139351
AF	377m S	Refuse Heap	1902	1078882
AL	378m S	Unspecified Heap	1938	1078337
AL	378m S	Unspecified Ground Workings	1913	1147929
AL	378m S	Unspecified Heap	1921	1078337
AH	379m N	Railway Station	1938	1058500

ID	Location	Land Use	Date	Group ID
AH	379m N	Railway Station	1938	1058500
AH	379m N	Railway Station	1913	1058500
AH	379m N	Railway Station	1921	1058500
AH	379m N	Railway Station	1902	1058500
AH	380m N	Railway Station	1955	1057681
AL	381m SE	Unspecified Ground Workings	1888	1055885
I	382m SW	Unspecified Shaft	1889	1130525
I	383m SW	Unspecified Shaft	1888	1130525
AH	383m N	Railway Sidings	1955	1066225
AF	384m S	Cuttings	1938	1050661
AV	389m S	Unspecified Works	1992	1102075
AN	390m NW	Railway Sidings	1978	1109439
AV	390m S	Unspecified Foundry	1955	1143961
AI	391m E	Unspecified Heap	1955	1002260
AV	391m S	Unspecified Works	1970	1118990
U	391m N	Unspecified Ground Workings	1985	1067253
U	391m N	Unspecified Ground Workings	1988	1067253
U	391m N	Unspecified Ground Workings	1978	1134851
AV	391m S	Unspecified Works	1985	1144530
AV	391m S	Unspecified Works	1988	1144530
AV	391m S	Unspecified Works	1978	1076128
AN	393m NW	Railway Sidings	1985	1109439
AT	393m E	Basin	1889	1024794
AV	393m S	Unspecified Foundry	1938	1143961
AV	393m S	Unspecified Foundry	1938	1143961
AV	393m S	Unspecified Foundry	1913	1143961
AV	393m S	Unspecified Foundry	1921	1143961
AV	393m S	Unspecified Foundry	1902	1143961

ID	Location	Land Use	Date	Group ID
AI	394m E	Air Shafts	1889	1027696
AV	395m S	Unspecified Foundry	1889	1096049
AI	395m SE	Unspecified Heap	1955	1002261
AJ	396m NW	Unspecified Pit	1902	1030827
AH	396m N	Railway Building	1913	1109182
AH	396m N	Railway Building	1902	1109182
AV	397m S	Unspecified Foundry	1888	1078322
AH	398m N	Cuttings	1913	1136556
AH	398m N	Cuttings	1921	1136556
AH	398m N	Cuttings	1938	1136556
AH	398m N	Cuttings	1902	1136556
AH	398m N	Cuttings	1938	1136556
AJ	400m NW	Refuse Heap	1913	1131225
AJ	400m NW	Refuse Heap	1902	1086881
AH	400m N	Cuttings	1889	1114372
AW	402m SW	Unspecified Works	1970	1141979
AH	402m N	Unspecified Tanks	1992	1010311
AI	403m E	Sand Pit	1889	1066648
AH	403m N	Cuttings	1955	1094228
AL	403m S	Unspecified Old Shafts	1955	1107130
AI	405m SE	Gravel Pit	1955	1004436
AL	406m S	Unspecified Old Shafts	1938	1089114
AH	406m N	Railway Building	1955	1014064
AS	407m NW	Refuse Heap	1902	1080108
AL	407m S	Unspecified Disused Shaft	1970	1008909
AL	407m S	Old Coal Shafts	1938	1026030
AY	407m NW	Unspecified Depot	1992	1012756
AL	408m S	Unspecified Old Shafts	1889	1154812

ID	Location	Land Use	Date	Group ID
AL	408m S	Unspecified Old Shafts	1955	1072476
U	408m NE	Unspecified Ground Workings	1913	1054238
U	408m NE	Unspecified Ground Workings	1902	1107485
AL	408m S	Unspecified Old Shafts	1889	1112184
AV	409m S	Railway Sidings	1938	1100545
AV	409m S	Railway Sidings	1921	1100545
AV	409m S	Railway Sidings	1902	1064925
AL	410m SE	Unspecified Old Shafts	1938	1101571
AL	410m SE	Unspecified Old Shafts	1913	1051531
AL	411m S	Unspecified Old Shafts	1921	1110609
AL	412m SE	Unspecified Old Shafts	1938	1098409
AZ	413m NE	Unspecified Pit	1938	1055691
BA	415m NE	Unspecified Ground Workings	1888	1138943
AV	416m S	Railway Sidings	1938	1118712
U	416m N	Unspecified Ground Workings	1913	1140002
U	416m N	Unspecified Ground Workings	1902	1140002
AZ	416m NE	Unspecified Heap	1938	1138139
AZ	416m NE	Unspecified Pit	1913	1097407
AZ	416m NE	Unspecified Heap	1921	1138139
AZ	416m NE	Unspecified Ground Workings	1902	998964
AI	417m E	Sand Pit	1888	1066648
U	417m N	Unspecified Heap	1913	1108570
U	417m N	Unspecified Heap	1902	1108570
AV	417m S	Railway Sidings	1913	1105331
AL	417m S	Unspecified Old Shafts	1921	993203
AW	418m S	Unspecified Works	1985	1086164
AW	418m S	Unspecified Works	1988	1086164
AW	418m S	Unspecified Works	1992	1086164

ID	Location	Land Use	Date	Group ID
AW	418m S	Unspecified Works	1978	1091333
I	418m SW	Unspecified Shaft	1889	1051190
AL	420m SE	Refuse Heap	1970	1020343
I	422m SW	Unspecified Shaft	1888	1051190
U	422m NE	Unspecified Pits	1938	1055240
U	422m NE	Unspecified Pits	1938	1055240
U	422m NE	Unspecified Pits	1913	1055240
U	422m NE	Unspecified Pits	1921	1055240
U	422m NE	Unspecified Pits	1902	1055240
BB	422m E	Unspecified Ground Workings	1955	1079828
AU	422m W	Refuse Heap	1913	1035594
BB	426m E	Unspecified Ground Workings	1889	1126526
AJ	429m NW	Unspecified Heap	1938	1101508
BB	430m E	Unspecified Ground Workings	1888	1064108
BC	430m N	Unspecified Works	1992	1151675
AJ	432m NW	Unspecified Heap	1938	1069318
AJ	432m NW	Unspecified Heap	1921	1069318
AI	435m SE	Unspecified Ground Workings	1955	998967
U	436m N	Unspecified Pit	1889	1125864
AU	436m W	Unspecified Heap	1889	1002299
U	437m N	Unspecified Pit	1888	1125864
AH	438m N	Railway Building	1970	1014063
BD	438m N	Cuttings	1888	1097428
BD	440m N	Cuttings	1889	1097535
AZ	442m NE	Unspecified Heap	1889	1091423
U	442m N	Unspecified Pits	1938	1152088
U	442m N	Unspecified Pits	1938	1152088
U	442m N	Unspecified Pits	1913	1152088

ID	Location	Land Use	Date	Group ID
U	442m N	Unspecified Pits	1921	1152088
U	442m N	Unspecified Pits	1902	1152088
AZ	444m NE	Unspecified Ground Workings	1888	998965
AZ	445m NE	Unspecified Heap	1938	1066101
AZ	445m NE	Unspecified Heap	1913	1066101
BF	445m SE	Unspecified Old Shafts	1888	993204
BF	446m SE	Unspecified Pit	1955	1125933
BD	446m N	Cuttings	1955	1076962
BD	446m N	Cuttings	1913	1049986
BD	446m N	Cuttings	1921	1058686
BD	446m N	Cuttings	1938	1080494
BD	446m N	Cuttings	1970	1097428
BD	446m N	Cuttings	1902	1140760
BD	446m N	Cuttings	1938	1130154
AZ	447m NE	Unspecified Heap	1938	1066101
AZ	447m NE	Unspecified Heap	1921	1066101
AZ	448m NE	Unspecified Heap	1902	1049881
BG	449m W	Railway Sidings	1955	1060327
BD	449m N	Cuttings	1985	1098332
BD	449m N	Cuttings	1988	1098332
BD	449m N	Cuttings	1992	1098332
BD	449m N	Cuttings	1978	1132414
BF	449m SE	Unspecified Pit	1938	1123376
BF	449m SE	Unspecified Pit	1913	1123376
BF	449m SE	Unspecified Pit	1921	1123376
BF	449m SE	Unspecified Pit	1902	1123376
BH	450m SE	Unspecified Ground Workings	1889	1085586
12	451m N	Police Station	1970	1022703

ID	Location	Land Use	Date	Group ID
AU	451m W	Refuse Heap	1938	1127969
AU	451m W	Refuse Heap	1921	1127969
AU	451m W	Coal Pit	1889	1005099
AU	452m W	Old Coal Pit	1888	1024505
BH	452m SE	Unspecified Pit	1888	1030839
BJ	453m NW	Unspecified Ground Workings	1970	1050578
BJ	453m NW	Unspecified Ground Workings	1978	1050578
Y	454m NW	Unspecified Commercial/Industrial	1921	1065865
Y	454m NW	Unspecified Commercial/Industrial	1902	1075684
BK	454m SW	Unspecified Ground Workings	1913	1046532
BL	454m W	Refuse Heap	1913	1083479
BL	454m W	Refuse Heap	1902	1064547
AJ	457m NW	Old Coal Shafts	1938	1089574
AJ	458m NW	Old Coal Shafts	1921	1047356
Y	458m NW	Unspecified Depot	1985	1144848
Y	458m NW	Unspecified Depot	1988	1144848
AJ	459m NW	Old Coal Shafts	1938	1152696
AJ	460m NW	Old Coal Shafts	1913	1084195
Y	463m NW	Railway Sidings	1889	1083881
AJ	463m NW	Unspecified Old Shafts	1888	1063151
AJ	464m NW	Unspecified Old Shaft	1889	1129560
U	464m NE	Unspecified Ground Workings	1913	1148584
U	464m NE	Unspecified Ground Workings	1902	1145943
AJ	464m NW	Old Coal Shafts	1938	1122750
AJ	464m NW	Old Coal Shafts	1913	1102946
AJ	464m NW	Old Coal Shafts	1938	1102866
AJ	464m NW	Unspecified Old Shaft	1888	1129560
AJ	465m NW	Unspecified Old Shafts	1889	1063151

ID	Location	Land Use	Date	Group ID
U	467m N	Unspecified Pit	1888	1030829
AJ	469m NW	Unspecified Old Shafts	1888	1034785
AJ	471m NW	Unspecified Old Shafts	1889	1034785
AZ	472m NE	Unspecified Old Shaft	1889	1109741
BA	473m NE	Unspecified Ground Workings	1889	1100795
AI	473m E	Unspecified Heap	1938	1053693
AI	473m E	Unspecified Heap	1913	1144335
BM	475m SW	Unspecified Pit	1938	1086316
BM	475m SW	Gravel Pit	1902	1004440
BM	475m SW	Unspecified Pit	1913	1080128
AZ	475m NE	Unspecified Old Shaft	1888	1109741
AG	478m S	Unspecified Heap	1938	1066126
AG	478m S	Unspecified Heap	1913	1150360
AH	479m N	Railway Building	1970	1014069
BM	479m SW	Unspecified Pit	1938	1086499
AW	479m S	Refuse Heap	1902	1051836
BI	480m SW	Old Brick Kilns	1888	1078580
AQ	480m NW	Unspecified Heap	1938	1105559
AQ	480m NW	Unspecified Heap	1938	1105559
AQ	480m NW	Unspecified Heap	1913	1105559
AQ	480m NW	Unspecified Heap	1921	1105559
AQ	480m NW	Unspecified Heap	1902	1105559
BI	480m SW	Old Brick Kilns	1889	1102053
AG	481m S	Unspecified Ground Workings	1938	1136965
AG	481m S	Unspecified Ground Workings	1921	1136965
AW	481m SW	Refuse Heap	1970	1073419
13	483m S	Cuttings	1970	1042682
BM	483m SW	Unspecified Pit	1921	1067571

ID	Location	Land Use	Date	Group ID
BN	483m S	Unspecified Commercial/Industrial	1938	995909
BN	483m S	Unspecified Works	1913	1120001
AG	484m S	Unspecified Heap	1888	1104463
BK	485m SW	Unspecified Ground Workings	1955	1152622
AQ	485m NW	Unspecified Heap	1955	1156461
AG	485m S	Unspecified Ground Workings	1889	1057215
BN	485m S	Unspecified Works	1921	1043452
Y	487m NW	Railway Building	1921	1157078
Y	488m NW	Railway Station	1889	1154205
BO	488m E	Unspecified Shaft	1889	1009470
BC	488m NW	Goods Shed	1888	1122209
Y	489m NW	Railway Buildings	1938	1024336
BA	489m NE	Refuse Heap	1913	1114002
BA	489m NE	Refuse Heap	1902	1114002
Y	490m NW	Railway Building	1938	1091915
BC	491m NW	Goods Shed	1889	1122209
BI	491m SW	Old Brick Kilns	1889	1146181
BQ	492m NE	Unspecified Old Shafts	1889	993193
BM	493m SW	Clay Pit	1889	1146154
BM	493m SW	Clay Pit	1888	1146154
BC	493m NW	Goods Shed	1938	1077051
BC	493m NW	Goods Shed	1938	1077051
BC	493m NW	Goods Shed	1913	1077051
BC	493m NW	Goods Shed	1921	1077051
BC	493m NW	Goods Shed	1902	1077051
Y	494m NW	Railway Building	1955	1131518
BC	494m NW	Railway Building	1970	1014070
BP	494m S	Unspecified Tank	1938	1102854

ID	Location	Land Use	Date	Group ID
BO	494m E	Unspecified Shaft	1888	1009471
BP	495m S	Unspecified Tank	1938	1113412
BQ	495m NE	Unspecified Old Shafts	1889	993192
BD	495m N	Unspecified Ground Workings	1889	1123086
BQ	495m NE	Unspecified Shafts	1888	1005759
BC	495m NW	Goods Shed	1955	1106713
BP	498m S	Unspecified Tank	1888	1145371
BG	498m W	Railway Sidings	1970	1109918
BQ	499m NE	Unspecified Shafts	1888	1005758
BG	499m W	Railway Sidings	1970	1109918
BP	499m S	Unspecified Tank	1889	1145371

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m	**45**

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 35**

ID	Location	Land Use	Date	Group ID
B	**On site**	**Unspecified Tank**	**1977**	**154068**
K	134m N	Unspecified Tank	1988	164201
K	134m N	Unspecified Tank	1992	164201
S	147m NE	Unspecified Tank	1988	154070
Q	160m N	Unspecified Tank	1890	154089
D	209m NW	Unspecified Tank	1937	154087
Q	211m N	Unspecified Tank	1890	162941
Q	212m N	Unspecified Tank	1903	164703
Q	212m N	Unspecified Tank	1919	164703

ID	Location	Land Use	Date	Group ID
Q	232m NW	Unspecified Tank	1890	154091
Z	236m N	Unspecified Tank	1903	164478
Z	236m N	Unspecified Tank	1919	164478
Q	247m N	Unspecified Tank	1903	154090
R	252m NE	Unspecified Tank	1988	162440
R	252m NE	Unspecified Tank	1992	162664
AA	260m SE	Unspecified Tank	1919	154069
AB	264m S	Unspecified Tank	1979	161948
AB	266m S	Unspecified Tank	1992	161948
I	271m SW	Unspecified Tank	1937	154088
R	272m NE	Unspecified Tank	1973	154066
I	287m SW	Unspecified Tank	1979	167563
I	287m SW	Unspecified Tank	1972	162987
D	299m W	Tanks	1996	160420
D	299m W	Tanks	1996	160420
D	299m W	Tanks	1999	160420
D	300m W	Tanks	1988	160420
D	301m W	Unspecified Tank	1903	154086
D	304m W	Tanks	1996	164407
D	304m W	Tanks	1996	164407
D	304m W	Tanks	1999	164407
D	305m W	Tanks	1988	167550
H	306m E	Unspecified Tank	1989	163486
H	306m E	Unspecified Tank	1973	163486
AH	394m N	Tanks	1991	158275
AH	395m N	Tanks	1988	158275
11	421m S	Unspecified Tank	1992	154081
AH	423m N	Unspecified Tank	1903	158288

ID	Location	Land Use	Date	Group ID
AH	423m N	Unspecified Tank	1919	158288
AH	423m N	Unspecified Tank	1937	158288
BI	452m SW	Unspecified Tank	1938	154082
BI	461m SW	Unspecified Tank	1919	154083
BP	488m S	Unspecified Tank	1992	154080
BP	500m S	Gasometer	1890	167880
BP	500m S	Gasometer	1904	167880
BP	500m S	Unspecified Tank	1919	154079

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m	**43**

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 35**

ID	Location	Land Use	Date	Group ID
A	7m E	Electricity Substation	1988	92689
A	8m E	Electricity Substation	1992	92689
O	119m NW	Electricity Substation	1992	89874
O	119m NW	Electricity Substation	1977	89874
O	120m NW	Electricity Substation	1988	89874
H	141m SE	Electricity Substation	1988	95572
H	141m SE	Electricity Substation	1992	91517
H	142m SE	Electricity Substation	1977	91517
S	148m NE	Electricity Substation	1992	91756
S	148m NE	Electricity Substation	1977	91756
2	179m N	Electricity Substation	1988	86973
P	305m N	Electricity Substation	1991	93371

ID	Location	Land Use	Date	Group ID
P	306m N	Electricity Substation	1988	93371
AT	362m E	Gas Grid House	1989	91392
AT	363m E	Gas Grid House	1973	96409
AT	364m E	Gas Grid House	1992	96409
AL	378m S	Electricity Substation	1992	86981
AM	383m SE	Electricity Substation	1987	90288
AM	384m SE	Electricity Substation	1996	90288
AM	384m SE	Electricity Substation	1996	90288
AL	393m S	Electricity Substation	1996	92359
AL	393m S	Electricity Substation	1996	92359
AL	393m S	Electricity Substation	1972	90682
AL	393m S	Electricity Substation	1979	90682
AL	394m S	Electricity Station	1987	95277
AL	394m S	Electricity Station	1970	95277
AX	405m NE	Electricity Substation	1989	92688
AX	405m NE	Electricity Substation	1992	92688
U	410m N	Electricity Substation	1970	91269
U	410m N	Electricity Substation	1991	91269
U	410m N	Electricity Substation	1988	91269
BE	444m N	Electricity Substation	1991	93826
BE	444m N	Electricity Substation	1988	93826
AY	455m NW	Electricity Substation	1995	94746
AY	455m NW	Electricity Substation	1996	94746
AY	455m NW	Electricity Substation	1993	94746
AY	455m NW	Electricity Substation	1995	94746
AY	455m NW	Electricity Substation	1996	94746
AY	455m NW	Electricity Substation	1993	94746
AY	456m NW	Electricity Substation	1991	94746

ID	Location	Land Use	Date	Group ID
AY	457m NW	Electricity Substation	1987	91966
BP	500m S	Gasometer	1890	92654
BP	500m S	Gasometer	1904	92654

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	**15**

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'.

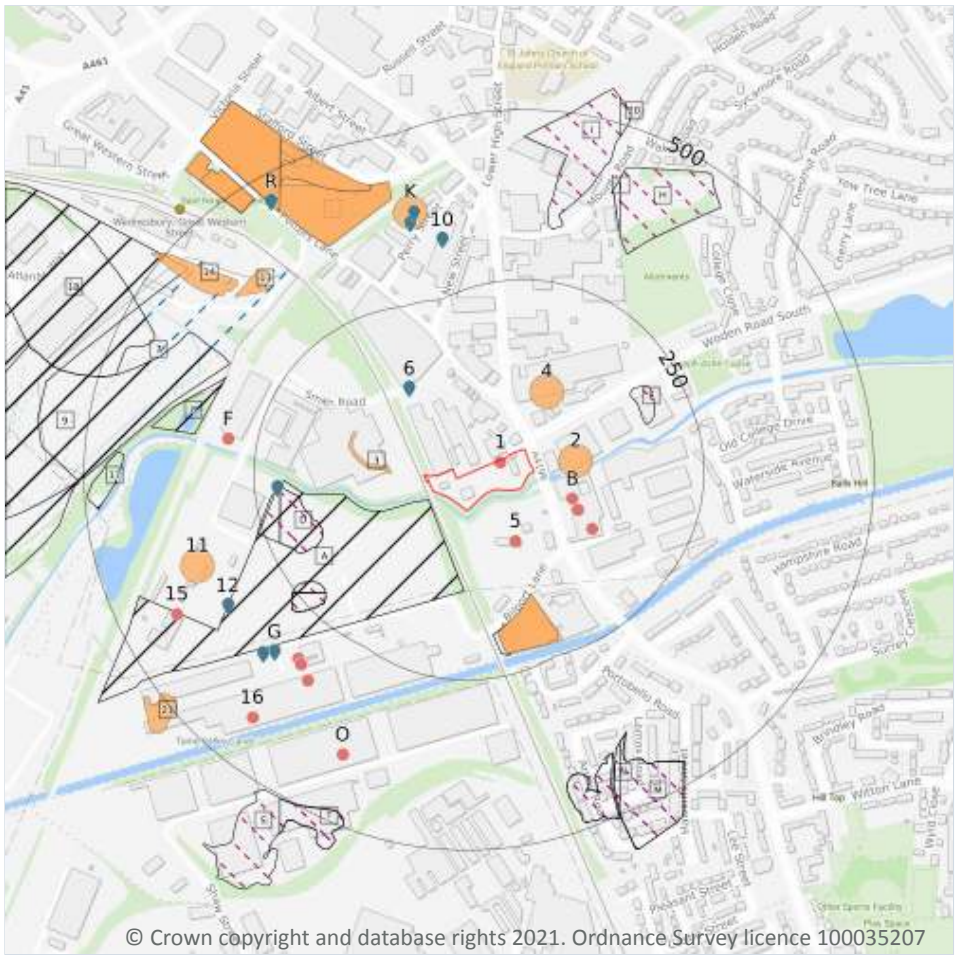
Features are displayed on the Past land use - un-grouped map on **page 35**

ID	Location	Land Use	Date	Group ID
F	16m NW	Garage	1992	31344
F	17m NW	Garage	1988	31344
G	17m S	Garage	1992	29644
B	18m E	Garage	1977	28256
G	23m S	Garage	1988	30675
G	23m S	Garage	1977	30675
F	55m NW	Garage	1977	29680
U	313m N	Garage	1965	31780
U	313m N	Garage	1970	31780
U	345m N	Garage	1964	28743

ID	Location	Land Use	Date	Group ID
AH	372m N	Garage	1991	30917
AH	373m N	Garage	1988	30917
AH	394m N	Garage	1964	29144
AH	394m N	Garage	1965	31019
AH	394m N	Garage	1970	31019

This data is sourced from Ordnance Survey / Groundsure.

3 Waste and landfill



Site Outline

Search buffers in metres (m)

Active or recent landfill

Historical landfill (EA/NRW)

Historical landfill (LA/OS)

Historical waste sites

Licensed waste sites

Waste exemptions

3.1 Active or recent landfill

Records within 500m	1

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

Features are displayed on the Waste and landfill map on **page 62**

ID	Location	Details	
7	324m NW	Operator: Enovert North Limited Site Address: Leabrook Repository, Leabrook Road, Wednesbury, West Midlands, WS10 7WL	WML Number: 42416 EPR Reference: PAR002 Landfill type: A06: Landfill taking other wastes Status: Modified IPPC Reference: - EPR Number: EA/EPR/HP3691FV/V003

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	36

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

Features are displayed on the Waste and landfill map on **page 62**

ID	Location	Site address	Source	Data type
D	169m SW	Refuse Tip	1964 mapping	Polygon
D	169m SW	Refuse Tip	1964 mapping	Polygon
D	169m SW	Refuse Tip	1964 mapping	Polygon
E	174m NE	Refuse Tip	1972 mapping	Polygon
E	174m NE	Refuse Tip	1972 mapping	Polygon
D	212m W	Refuse Tip	1964 mapping	Polygon
A	214m SW	Refuse Tip	1964 mapping	Polygon
A	215m SW	Refuse Tip	1964 mapping	Polygon
A	215m SW	Refuse Tip	1964 mapping	Polygon
A	217m SW	Refuse Tip	1964 mapping	Polygon
A	217m SW	Refuse Tip	1964 mapping	Polygon
A	218m SW	Refuse Tip	1972 mapping	Polygon
A	218m SW	Refuse Tip	1964 mapping	Polygon
A	218m SW	Refuse Tip	1972 mapping	Polygon
A	218m SW	Refuse Tip	1964 mapping	Polygon
H	325m NE	Refuse Tip	1964 mapping	Polygon
H	326m NE	Refuse Tip	1964 mapping	Polygon
I	327m N	Refuse Tip	1964 mapping	Polygon

ID	Location	Site address	Source	Data type
I	328m N	Refuse Tip	1964 mapping	Polygon
J	349m NE	Refuse Tip	1964 mapping	Polygon
J	349m NE	Refuse Tip	1970 mapping	Polygon
M	391m SE	Refuse Tip	1963 mapping	Polygon
M	391m SE	Refuse Tip	1963 mapping	Polygon
M	391m SE	Refuse Tip	1964 mapping	Polygon
M	391m SE	Refuse Tip	1964 mapping	Polygon
N	401m S	Refuse Tip	1964 mapping	Polygon
N	401m S	Refuse Tip	1964 mapping	Polygon
N	411m S	Refuse Tip	1964 mapping	Polygon
N	411m S	Refuse Tip	1964 mapping	Polygon
N	412m S	Refuse Tip	1964 mapping	Polygon
N	412m S	Refuse Tip	1964 mapping	Polygon
20	481m N	Refuse Tip	1964 mapping	Polygon
S	482m SW	Refuse Tip	1964 mapping	Polygon
S	482m SW	Refuse Tip	1964 mapping	Polygon
T	483m SW	Refuse Tip	1964 mapping	Polygon
T	483m SW	Refuse Tip	1964 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	7

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 62**

ID	Location	Details		
A	14m SW	Site Address: Newby Hill Top Foundry Smith Road Landfill Site, Smith Road, Wednesbury, West Midlands Licence Holder Address: Smith Road, Wednesbury, West Midlands	Waste Licence: Yes Site Reference: NBL/092 Waste Type: Inert, Industrial, Special, Liquid sludge Environmental Permitting Regulations (Waste) Reference: NBL/L/W&M001 Licence Issue: 06/04/1978 Licence Surrender: 29/07/2010	Operator: Newby Hill Top Foundry Smith Road Landfill Site Licence Holder: Newby Hill Top Foundry Smith Road Landfill Site First Recorded 30/04/1990 Last Recorded: 16/02/1993
C	175m S	Site Address: Bilport Lane Landfill Site, Bilport Lane, Wednesbury, West Midlands Licence Holder Address: Bilport Lane, Wednesbury, West Midlands	Waste Licence: Yes Site Reference: SL/17, 644/259 Waste Type: Industrial, Liquid sludge Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 12/04/1978 Licence Surrender: 30/04/1994	Operator: British Steel Corporation Licence Holder: British Steel Corporation First Recorded 31/12/1918 Last Recorded: 30/10/1981
8	324m NW	Site Address: Ocker Hill Lake, Ocker Hill Power Station, Tipton, West Midlands Licence Holder Address: -	Waste Licence: Yes Site Reference: SL/447, 644/763, LF/0056/57/58 Waste Type: Inert Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 09/01/1984 Licence Surrender: 10/04/1985	Operator: - Licence Holder: Severn Trent Water Authority First Recorded 31/12/1984 Last Recorded: 10/04/1985
9	329m NW	Site Address: Leabrook Road, Wednesbury, West Midlands Licence Holder Address: -	Waste Licence: Yes Site Reference: SL 60 Waste Type: Industrial Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 07/03/1978 Licence Surrender: 21/01/1990	Operator: - Licence Holder: Biffa Limited First Recorded 01/03/1976 Last Recorded: 31/12/1983
17	442m W	Site Address: Ocker Hill Lake, Ocker Hill Power Station, Tipton, West Midlands Licence Holder Address: -	Waste Licence: Yes Site Reference: SL/447, 644/763, LF/0056/57/58 Waste Type: Inert Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 09/01/1984 Licence Surrender: 10/04/1985	Operator: - Licence Holder: Severn Trent Water Authority First Recorded 31/12/1984 Last Recorded: 10/04/1985
18	444m NW	Site Address: Leabrook Road, Wednesbury, West Midlands Licence Holder Address: -	Waste Licence: Yes Site Reference: SL 141 Waste Type: Inert Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 06/03/1978 Licence Surrender: -	Operator: - Licence Holder: British Railway Boards First Recorded 31/12/1926 Last Recorded: 31/12/1990

ID	Location	Details		
19	461m NW	Site Address: Leabrook Road, Leabrook Road, Wednesbury, West Midlands Licence Holder Address: -	Waste Licence: Yes Site Reference: 644/1499, SL/1229, LF/0012, LF/0019 Waste Type: Inert, Industrial, Commercial, Liquid sludge Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 14/09/1993 Licence Surrender: 28/04/1994	Operator: - Licence Holder: Black Country Development Corporation First Recorded 28/02/1993 Last Recorded: 28/04/1994

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 62**

ID	Location	Address	Further Details	Date
2	38m E	Site Address: Block B, 4, Woden Road, South, WEDNESBURY, West Midlands, WS10 0NQ	Type of Site: Recycling Centre Planning application reference: DC/11/53600 Description: Scheme comprises change of use to recycling of domestic waste for transporting to licensed tips and recycling plants. An application (ref: DC/11/53600) for detailed planning permission was refused by Sandwell B.C. A detailed planning application has been refused. Data source: Historic Planning Application Data Type: Point	-
3	47m W	Site Address: N/A	Type of Site: Refuse Pit Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1903

ID	Location	Address	Further Details	Date
4	66m N	Site Address: Bridge Aluminium Limited, 84 Bridge Street, WEDNESBURY, West Midlands, WS10 0AN	Type of Site: Waste Management Facility (Alterations) Planning application reference: DC/06/46199 Description: Scheme comprises construction of palisade fence around waste management facility. Construction - fencing site works. An application (ref: DC/06/46199) for detailed planning permission was granted by Sandwell B.C. Planning decision obtained Data source: Historic Planning Application Data Type: Point	-
C	153m SE	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1964
C	154m SE	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1964
11	333m W	Site Address: Metropolitan Steels, Prothero Works, Bilfort Lane, WEDNESBURY, West Midlands, WS10 0NT	Type of Site: Waste Transfer Station (C/U) Planning application reference: BCS 2317 Description: An application (ref: BCS 2317) for Detailed Planning permission was submitted to Sandwell B.C. on 7th June 1993. Data source: Historic Planning Application Data Type: Point	-
13	356m NW	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
K	357m N	Site Address: Plot 8/8A, Perry Street, WEDNESBURY, West Midlands, WS10 0AZ	Type of Site: Waste Transfer Facility (C/U) Planning application reference: BCS2533/W Description: An application (ref: BCS2533/W) for Detailed Planning permission was submitted to Sandwell B.C. on 16th December 1993. Data source: Historic Planning Application Data Type: Point	-
L	364m NW	Site Address: N/A	Type of Site: Waste Treatment Works Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1988

ID	Location	Address	Further Details	Date
L	364m NW	Site Address: N/A	Type of Site: Waste Treatment Works Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1991
14	391m NW	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
P	426m 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	1991
P	426m 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	1988
Q	439m NW	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1987
Q	442m NW	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1995
Q	442m NW	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1993
Q	442m NW	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1995
Q	442m NW	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1993

ID	Location	Address	Further Details	Date
Q	464m NW	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
Q	468m NW	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1995
Q	468m NW	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1993
Q	468m NW	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1995
Q	469m NW	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1977
Q	469m NW	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
Q	469m NW	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1987
21	485m SW	Site Address: N/A	Type of Site: Refuse Pit Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1904

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

3.6 Licensed waste sites

Records within 500m	**17**

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

Features are displayed on the Waste and landfill map on **page 62**

ID	Location	Details		
6	128m N	Site Name: Vebra Autoparts Site Address: Land/premises At, Smith Road, Off Potters Lane, Wednesbury, West Midlands, WS10 0PD Correspondence Address: -	Type of Site: ELV Facility Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: SHA016 EPR reference: EA/EPR/HP3392FC/A001 Operator: Shah Safdar Hussain Waste Management licence No: 40132 Annual Tonnage: 2500	Issue Date: 06/06/2004 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
D	216m W	Site Name: Newby Hill Top Foundry - Smith Road Landfill Site Site Address: Newby Hill Top, Smith Road, Wednesbury, Sandwell, West Midlands, WS10 0PB Correspondence Address: Smith Road, Wednesbury, Sandwell, West Midlands, WS10 0PB	Type of Site: Industrial Waste Landfill (Factory curtilage) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: NEW001 EPR reference: - Operator: Newby Hill Top Foundry Ltd Waste Management licence No: 40822 Annual Tonnage: 25000	Issue Date: 06/04/1978 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
D	216m W	Site Name: Newby Hill Top Foundry Smith Road Landfill Site Site Address: Smith Road, Wednesbury, West Midlands, WS10 0PB Correspondence Address: -	Type of Site: Industrial Waste Landfill (Factory curtilage) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: NEW001 EPR reference: EA/EPR/MP3896FF/S002 Operator: Hill Top Foundry Ltd Waste Management licence No: 40822 Annual Tonnage: 0	Issue Date: 06/04/1978 Effective Date: - Modified: - Surrendered Date: Jul 29 2010 12:00AM Expiry Date: - Cancelled Date: - Status: Surrendered

ID	Location	Details		
10	330m N	Site Name: Midland Citroen & Peugeot Site Address: Plots 2 &, Perry Street, Wednesbury, West Midlands, WS10 0AZ Correspondence Address: Mr C Garmston, Plots 2 &, Perry Street, Wednesbury, West Midlands, WS10 0AZ	Type of Site: ELV Facility Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: GAR002 EPR reference: - Operator: Garmston Colin Waste Management licence No: 40225 Annual Tonnage: 2500	Issue Date: 21/03/2005 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
G	332m SW	Site Name: T F Metals Site Address: Prothero Works, Unit 5 B, Bilport Lane, Wednesbury, West Midlands, WS10 0NT Correspondence Address: 44, Henn Drive, Princes End, Tipton, West Midlands, DY4 9NN	Type of Site: Metal Recycling Site (mixed MRS's) Size: Unknown Environmental Permitting Regulations (Waste) Licence Number: ROU001 EPR reference: - Operator: Round Mr A & Round Mr F Waste Management licence No: 42429 Annual Tonnage: 4999	Issue Date: 29/07/1993 Effective Date: - Modified: 26/06/2000 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
G	332m SW	Site Name: T F Metals Site Address: Prothero Works, Unit 5 B, Bilport Lane, Wednesbury, West Midlands, WS10 0NT Correspondence Address: -	Type of Site: Metal Recycling Site (mixed MRS's) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: ROU001 EPR reference: EA/EPR/FP3491FH/V002 Operator: Round Mr A & Round Mr F Waste Management licence No: 42429 Annual Tonnage: 4999	Issue Date: 29/07/1993 Effective Date: - Modified: 26/06/2000 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Expired
12	345m SW	Site Name: Wednesbury Aggregates Recycling Facility Site Address: Wednesbury Aggregates R F, Smith Road, Wednesbury, West Midlands, WS10 0PB Correspondence Address: -	Type of Site: Physical Treatment Facility Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: MID116 EPR reference: EA/EPR/EB3003XH/A001 Operator: Midland Quarry Products Limited Waste Management licence No: 403141 Annual Tonnage: 149999	Issue Date: 30/06/2016 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued

ID	Location	Details		
G	346m SW	Site Name: Premier Waste - Bilport Lane Site Address: Bilport Lane, Wednesbury, West Midlands, WS10 0NT Correspondence Address: 209-211, Walsall Road, Perry Barr, Birmingham, B42 1BS	Type of Site: Household, Commercial & Industrial Waste T Stn Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: PWU001 EPR reference: - Operator: Premier Waste (uk) Plc Waste Management licence No: 42561 Annual Tonnage: 0	Issue Date: 23/09/1994 Effective Date: 08/02/2003 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred
G	346m SW	Site Name: Premier Waste - Bilport Lane Site Address: Bilport Lane, Wednesbury, West Midlands, WS10 0NT Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: PWU001 EPR reference: EA/EPR/DP3291FM/S004 Operator: Premier Waste U K Plc Waste Management licence No: 42561 Annual Tonnage: 74999	Issue Date: 23/09/1994 Effective Date: 08/02/2003 Modified: - Surrendered Date: Jun 29 2006 12:00AM Expiry Date: - Cancelled Date: - Status: Surrendered
K	365m N	Site Name: Mrs D Hamblett Site Address: Stafford Street Industrial Estate, Plot8/8a, Perry Street, Wednesbury, West Midlands, WS10 0AZ Correspondence Address: 113, Heath Street, West Bromwich, West Midlands, B71 2BN	Type of Site: Metal Recycling Site (mixed MRS's) Size: Unknown Environmental Permitting Regulations (Waste) Licence Number: HAM001 EPR reference: - Operator: Hamblett Mrs D Waste Management licence No: 42592 Annual Tonnage: 25000	Issue Date: 22/02/1995 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued

ID	Location	Details		
K	365m N	Site Name: Mrs D Hamblett Site Address: Stafford Street Ind Est, Unit 8, Perry Street, Wednesbury, West Midlands, WS10 0AZ Correspondence Address: -	Type of Site: Metal Recycling Site (mixed MRS's) Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: HAM001 EPR reference: EA/EPR/QP3591FQ/S002 Operator: Hamblett Mrs D Waste Management licence No: 42592 Annual Tonnage: 25000	Issue Date: 22/02/1995 Effective Date: - Modified: - Surrendered Date: Jul 20 2006 12:00AM Expiry Date: - Cancelled Date: - Status: Surrendered
K	365m N	Site Name: Mrs D Hamblett Site Address: Stafford Street Ind Est, Unit 8, Perry Street, Wednesbury, West Midlands, WS10 0AZ Correspondence Address: -	Type of Site: Metal Recycling Site (mixed MRS's) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: HAM001 EPR reference: EA/EPR/QP3591FQ/S002 Operator: Hamblett Mrs D Waste Management licence No: 42592 Annual Tonnage: 25000	Issue Date: 22/02/1995 Effective Date: - Modified: - Surrendered Date: Jul 20 2006 12:00AM Expiry Date: - Cancelled Date: - Status: Surrendered
K	380m N	Site Name: Midland Citroen & Peugeot Site Address: Plots 2 & 3, Perry Street, Wednesbury, West Midlands, WS10 0AZ Correspondence Address: -	Type of Site: ELV Facility Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: GAR002 EPR reference: EA/EPR/VP3192FJ/V002 Operator: Garmston Colin Waste Management licence No: 40225 Annual Tonnage: 2500	Issue Date: 21/03/2005 Effective Date: - Modified: 06/07/2015 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
R	460m NW	Site Name: Biffa - Wednesbury Treatment Centre Site Address: Wednesbury Treatment Centre, Potters Lane, Wednesbury, West Midlands, WS10 7NR Correspondence Address: Head Office, Coronation Road, Cressex, High Wycombe, Bucks, HP12 3TZ	Type of Site: Physico-Chemical Treatment Facility Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: BIF002 EPR reference: - Operator: Biffa Waste Services Ltd Waste Management licence No: 41706 Annual Tonnage: 7534800	Issue Date: 09/06/1987 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued

ID	Location	Details		
R	460m NW	Site Name: Biffa - Wednesbury Treatment Centre Site Address: Wednesbury Treatment Centre, Potters Lane, Wednesbury, West Midlands, WS10 7NR Correspondence Address: -	Type of Site: Physico-Chemical Treatment Facility Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: BIF002 EPR reference: EA/EPR/TP3696FN/A001 Operator: Biffa Waste Services Ltd Waste Management licence No: 41706 Annual Tonnage: 7534800	Issue Date: 09/06/1987 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
R	460m NW	Site Name: Biffa - Wednesbury Treatment Centre Site Address: Wednesbury Treatment Centre, Potters Lane, Wednesbury, West Midlands, WS10 7NR Correspondence Address: -	Type of Site: Physico-Chemical Treatment Facility Size: Unknown Environmental Permitting Regulations (Waste) Licence Number: BIF002 EPR reference: EA/EPR/TP3696FN/A001 Operator: Biffa Waste Services Ltd Waste Management licence No: 41706 Annual Tonnage: 7534800	Issue Date: 09/06/1987 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
R	460m NW	Site Name: Biffa - Wednesbury Treatment Centre Site Address: Potters Lane, Wednesbury, West Midlands, WS10 7NR Correspondence Address: Coronation Road, Cressex Industrial Estate, High Wycombe, Buckinghamshire, HP12 3TZ	Type of Site: Physico-Chemical Treatment Facility Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: BIF002 EPR reference: - Operator: Biffa Environmental Technology Ltd Waste Management licence No: 41706 Annual Tonnage: 7534800	Issue Date: 09/06/1987 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued

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

3.7 Waste exemptions

Records within 500m	**29**

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 62**

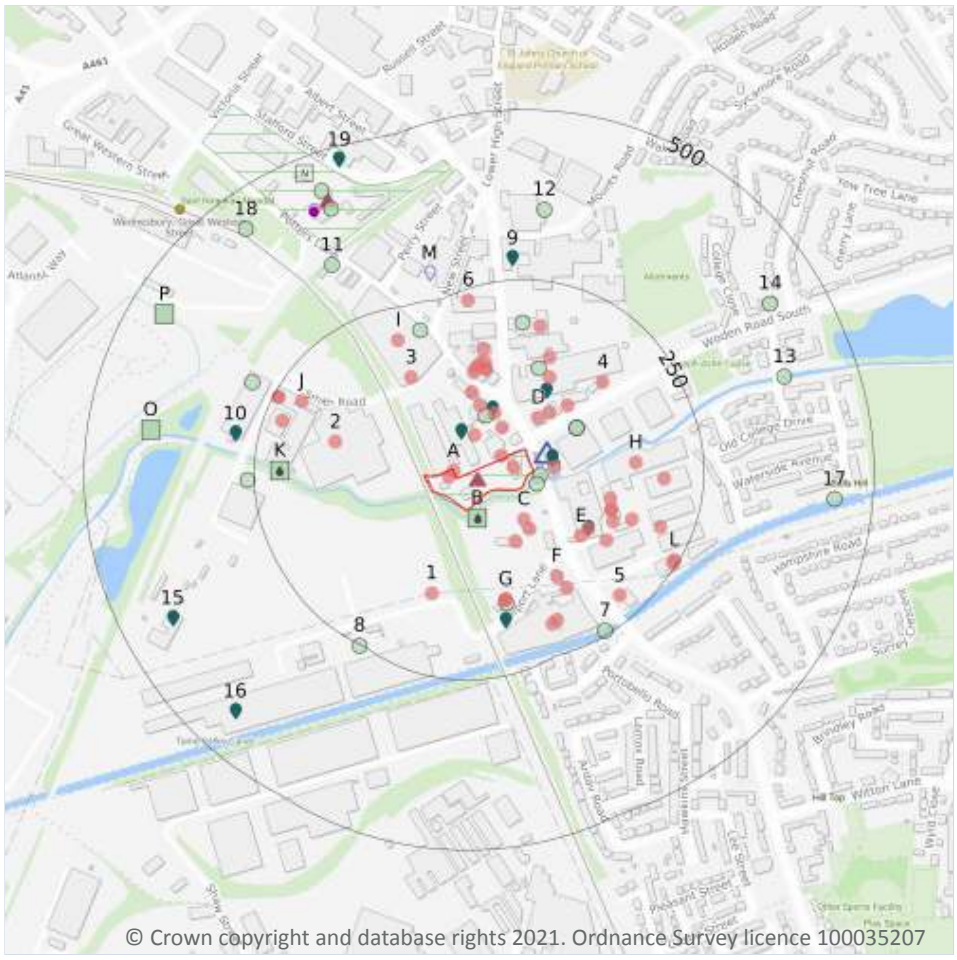
ID	Location	Site	Reference	Category	Sub-Category	Description
1	**On site**	**Holloway Bank Wednesbury WS10 0PA**	**EPR/YE5153CP/A001**	**Treating waste exemption**	**Non-Agricultural Waste Only**	**Recovery of scrap metal**
B	69m SE	Holloway Metals Ltd Holloway Bank WEDNESBURY West Midlands WS10 0PA	EPR/JE5641BZ/A001	Using waste exemption	Non-Agricultural Waste Only	Use of depolluted end-of-life vehicles for vehicle parts
5	75m S	18 Prothero Works, Bilport Lane, Wednesbury, WS10 0NT	WEX230883	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
B	85m SE	Holloway Metals Ltd Holloway Bank WEDNESBURY West Midlands WS10 0PA	EPR/KE5354EA/A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of waste in secure containers
B	85m SE	Holloway Metals Ltd Holloway Bank WEDNESBURY West Midlands WS10 0PA	EPR/KE5354EA/A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of waste in a secure place
B	119m SE	Holloway Metals Wednesbury West Midlands WS10 0PA	EA/EPR/VP3751ZP/A001	Treating waste exemption	Non-Agricultural Waste Only	Repair or refurbishment of WEEE
F	293m W	W185 Wednesbury Land Adjacent to Smiths Road Wednesbury WS10 0PB	EPR/LE5240EK/A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of waste in secure containers
F	293m W	W185 Wednesbury Land Adjacent to Smiths Road Wednesbury WS10 0PB	EPR/LE5240EK/A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of waste in a secure place
F	293m W	W185 Wednesbury Land Adjacent to Smiths Road Wednesbury WS10 0PB	EPR/LE5240EK/A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of sludge
F	293m W	W185 Wednesbury Land Adjacent to Smiths Road Wednesbury WS10 0PB	EPR/LE5240EK/A001	Treating waste exemption	Non-Agricultural Waste Only	Cleaning, washing, spraying or coating relevant waste
F	293m W	W185 Wednesbury Land Adjacent to Smiths Road Wednesbury WS10 0PB	EPR/LE5240EK/A001	Treating waste exemption	Non-Agricultural Waste Only	Screening and blending of waste
F	293m W	W185 Wednesbury Land Adjacent to Smiths Road Wednesbury WS10 0PB	EPR/LE5240EK/A001	Using waste exemption	Non-Agricultural Waste Only	Use of waste in construction
F	293m W	W185 Wednesbury Land Adjacent to Smiths Road Wednesbury WS10 0PB	EPR/LE5240EK/A001	Using waste exemption	Non-Agricultural Waste Only	Use of waste to manufacture finished goods

ID	Location	Site	Reference	Category	Sub-Category	Description
G	317m SW	Prothero Works Bilport Lane WEDNESBURY West Midlands WS10 0NT	EPR/VF0506SR/A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of waste in a secure place
G	317m SW	Prothero Works Bilport Lane WEDNESBURY West Midlands WS10 0NT	EPR/VF0506SR/A001	Treating waste exemption	Non-Agricultural Waste Only	Recovery of scrap metal
G	321m SW	PROTHERO WORKS, UNIT 27, BILPORT LANE, WEDNESBURY, WS10 0NT	WEX148826	Storing waste exemption	Not on a farm	Storage of waste in secure containers
G	321m SW	PROTHERO WORKS, UNIT 27, BILPORT LANE, WEDNESBURY, WS10 0NT	WEX228993	Storing waste exemption	Not on a farm	Storage of waste in secure containers
G	321m SW	PROTHERO WORKS, UNIT 27, BILPORT LANE, WEDNESBURY, WS10 0NT	WEX085118	Storing waste exemption	Not on a farm	Storage of waste in secure containers
G	335m SW	18 Prothero Works, Bilport Lane, Wednesbury, WS10 0NT	WEX086826	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
O	403m SW	UNIT 2B, HILL TOP INDUSTRIAL ESTATE, SHAW STREET, WEST BROMWICH, B70 0TX	WEX245624	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
O	403m SW	UNIT 2B, HILL TOP INDUSTRIAL ESTATE, SHAW STREET, WEST BROMWICH, B70 0TX	WEX245624	Treating waste exemption	Not on a farm	Treatment of waste food
O	403m SW	UNIT 2B, HILL TOP INDUSTRIAL ESTATE, SHAW STREET, WEST BROMWICH, B70 0TX	WEX245624	Treating waste exemption	Not on a farm	Crushing waste fluorescent tubes
O	403m SW	UNIT 2B, HILL TOP INDUSTRIAL ESTATE, SHAW STREET, WEST BROMWICH, B70 0TX	WEX245624	Storing waste exemption	Not on a farm	Storage of waste in a secure place
O	403m SW	UNIT 2B, HILL TOP INDUSTRIAL ESTATE, SHAW STREET, WEST BROMWICH, B70 0TX	WEX103176	Storing waste exemption	Not on a farm	Storage of waste in a secure place
O	403m SW	UNIT 2B, HILL TOP INDUSTRIAL ESTATE, SHAW STREET, WEST BROMWICH, B70 0TX	WEX103176	Treating waste exemption	Not on a farm	Treatment of waste food

ID	Location	Site	Reference	Category	Sub-Category	Description
O	403m SW	UNIT 2B, HILL TOP INDUSTRIAL ESTATE, SHAW STREET, WEST BROMWICH, B70 0TX	WEX103176	Treating waste exemption	Not on a farm	Crushing waste fluorescent tubes
O	403m SW	UNIT 2B, HILL TOP INDUSTRIAL ESTATE, SHAW STREET, WEST BROMWICH, B70 0TX	WEX103176	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
15	416m SW	SMITH ROAD, WEDNESBURY, WS10 0PD	WEX116575	Using waste exemption	Not on a farm	Use of waste in construction
16	426m SW	Unit 23 and 24 Prothero Industrial Estate WS10 0NT	EPR/LE5959EW/A001	Using waste exemption	Non-Agricultural Waste Only	Use of waste to manufacture finished goods

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

4 Current industrial land use



Site Outline

Search buffers in metres (m)

- Recent industrial land uses
- Current or recent petrol stations
- Control of Major Accident Hazards
- Hazardous substance storage/usage
- Part A(1) industrial activities
- Licensed pollutant release (Part A(2)/B)
- Licensed Discharges to controlled waters
- List 1 Dangerous Substances
- List 2 Dangerous Substances
- Pollution Incidents (EA/NRW)
- Pollution inventory substances
- Pollution inventory waste transfers

4.1 Recent industrial land uses

Records within 250m	57

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on **page 78**

ID	Location	Company	Address	Activity	Category
A	**On site**	**Electricity Sub Station**	**West Midlands, WS10**	**Electrical Features**	**Infrastructure and Facilities**
A	**On site**	**Avanti Gas**	**Bridge Street, Wednesbury, West Midlands, WS10 0AW**	**Fuel Distributors and Suppliers**	**Household, Office, Leisure and Garden**
A	**On site**	**Tank**	**West Midlands, WS10**	**Tanks (Generic)**	**Industrial Features**

ID	Location	Company	Address	Activity	Category
A	6m N	Works	West Midlands, WS10	Unspecified Works Or Factories	Industrial Features
A	30m E	Applegreen Wednesbury	Rigby Street, Wednesbury, West Midlands, WS10 0NP	Petrol and Fuel Stations	Road and Rail
A	41m N	Applegreen Wednesbury	Bridge Street, Woden Road South, Wednesbury, Walsall, West Midlands, WS10 0NP	Vehicle Cleaning Services	Personal, Consumer and Other Services
C	44m S	Recycling Business	West Midlands, WS10	Recycling Centres	Infrastructure and Facilities
A	48m NW	Enterprise Rent-A-Car	Unit 1, Bridge Business Park, Wednesbury, West Midlands, WS10 0AW	Vehicle Hire and Rental	Hire Services
D	52m N	Machine Tech Engineering	Unit 1 Woden Road South, Wednesbury, West Midlands, WS10 0NQ	Precision Engineers	Engineering Services
C	60m S	Wednesbury Carsale Ltd	Holloway Bank, Wednesbury, West Midlands, WS10 0PA	Secondhand Vehicles	Motoring
A	64m NW	Trim-tec	Unit 1, Potters Lane, Wednesbury, West Midlands, WS10 0AS	Vehicle Repair, Testing and Servicing	Repair and Servicing
D	67m NE	Engine Fix UK	Unit 3, Woden Road South, Wednesbury, West Midlands, WS10 0BP	Vehicle Components	Industrial Products
C	75m S	UK Access Solutions Ltd	UK Access Solutions Ltd 1, Bilport Lane, Wednesbury, West Midlands, WS10 0NT	Construction and Tool Hire	Hire Services
A	84m NW	Sandwell Diesels	Unit 3 Potters Lane, Wednesbury, West Midlands, WS10 0AS	Vehicle Repair, Testing and Servicing	Repair and Servicing
D	91m NE	Electricity Sub Station	West Midlands, WS10	Electrical Features	Infrastructure and Facilities
A	107m NW	Hurlstones	6, Potters Lane, Wednesbury, West Midlands, WS10 0AS	Industrial Engineers	Engineering Services
D	113m N	Bridge Aluminium Ltd	84, Bridge Street, Wednesbury, West Midlands, WS10 0AN	Metals Manufacturers, Fabricators and Stockholders	Industrial Products
E	113m SE	Parkside Autos	Unit 6 Holloway Bank Trading Estate, Globe Street, Wednesbury, West Midlands, WS10 0NN	Vehicle Repair, Testing and Servicing	Repair and Servicing
E	116m SE	J & M Pattern & Die Co Ltd	Unit 11 Holloway Bank Trading Estate, Globe Street, Wednesbury, West Midlands, WS10 0NN	Moulds, Dies and Castings	Industrial Products

ID	Location	Company	Address	Activity	Category
E	119m E	Xtreme Mondeos	Unit 16 Holloway Bank Trading Estate, Globe Street, Wednesbury, West Midlands, WS10 0NN	Secondhand Vehicles	Motoring
E	126m SE	Black Country Ford Breakers of Wednesbury	Unit 16 Holloway Bank Trading Estate, Globe Street, Wednesbury, West Midlands, WS10 0NN	Vehicle Parts and Accessories	Motoring
E	127m SE	D J L Engineering Ltd	Unit 17 Holloway Bank Trading Estate, Globe Street, Wednesbury, West Midlands, WS10 0NN	Tools Including Machine Shops	Industrial Products
A	129m N	Central Accident	Unit 2 Bridge Street, Wednesbury, West Midlands, WS10 0AW	Vehicle Repair, Testing and Servicing	Repair and Servicing
A	131m N	Supafit	Bridge Street, Wednesbury, West Midlands, WS10 0AW	Vehicle Repair, Testing and Servicing	Repair and Servicing
1	132m SW	Pylon	West Midlands, WS10	Electrical Features	Infrastructure and Facilities
A	133m NW	Electricity Sub Station	West Midlands, WS10	Electrical Features	Infrastructure and Facilities
A	138m NW	A S Radio Decoding	Unit 7, Bridge Street Industrial Estate, Wednesbury, West Midlands, WS10 0AY	Scrap Metal Merchants	Recycling Services
E	138m SE	Works	West Midlands, WS10	Unspecified Works Or Factories	Industrial Features
2	139m W	Top Tubes	2, Smith Road, Wednesbury, West Midlands, WS10 0PD	General Construction Supplies	Industrial Products
F	139m SE	G S Fencing & Building Supplies	132, Holloway Bank, Wednesbury, West Midlands, WS10 0NS	Fences, Gates and Railings	Industrial Products
A	140m N	Industrial Estate	West Midlands, WS10	Business Parks and Industrial Estates	Industrial Features
D	140m N	Tank	West Midlands, WS10	Tanks (Generic)	Industrial Features
A	141m N	Beechwood Car Sales Ltd	Unit 3, Bridge Street, Wednesbury, West Midlands, WS10 0AQ	Secondhand Vehicles	Motoring
G	142m SE	C T S Autos	Bilport Lane, Wednesbury, West Midlands, WS10 0NT	Vehicle Repair, Testing and Servicing	Repair and Servicing
G	143m S	C T S Newcrown	Bilport Lane, Wednesbury, West Midlands, WS10 0NT	Vehicle Repair, Testing and Servicing	Repair and Servicing

ID	Location	Company	Address	Activity	Category
G	143m S	Newcrown Garage	Bilport Lane, Wednesbury, West Midlands, WS10 0NT	Vehicle Repair, Testing and Servicing	Repair and Servicing
3	145m N	C L A Fabrications	Unit 21-22 Potters Lane, Smith Road, Wednesbury, West Midlands, WS10 0PD	General Construction Supplies	Industrial Products
E	146m SE	Electricity Sub Station	West Midlands, WS10	Electrical Features	Infrastructure and Facilities
H	150m E	Works	West Midlands, WS10	Unspecified Works Or Factories	Industrial Features
4	152m NE	Electricity Sub Station	West Midlands, WS10	Electrical Features	Infrastructure and Facilities
A	159m N	Westside Cars	18, Bridge Street, Wednesbury, West Midlands, WS10 0AQ	New Vehicles	Motoring
E	160m SE	Electricity Sub Station	West Midlands, WS10	Electrical Features	Infrastructure and Facilities
F	161m SE	Works	West Midlands, WS10	Unspecified Works Or Factories	Industrial Features
D	184m N	Works	West Midlands, WS10	Unspecified Works Or Factories	Industrial Features
H	192m E	Works	West Midlands, WS10	Unspecified Works Or Factories	Industrial Features
F	201m S	Hill Steels Ltd	Bilport Lane, Wednesbury, West Midlands, WS10 0NU	General Construction Supplies	Industrial Products
I	202m N	R B UK a Division of Eliza Tinsley Ltd	Potters Lane, Wednesbury, West Midlands, WS10 0AS	Shelving, Storage, Safes and Vaults	Industrial Products
E	203m SE	Works	West Midlands, WS10	Unspecified Works Or Factories	Industrial Features
F	204m S	Works	West Midlands, WS10	Unspecified Works Or Factories	Industrial Features
J	210m NW	Tipton & Mill Steels	Isis House, Smith Road, Wednesbury, West Midlands, WS10 0PB	Metals Manufacturers, Fabricators and Stockholders	Industrial Products
5	215m SE	K R T Pallet Co 2000 Ltd	Rigby Street, Wednesbury, West Midlands, WS10 0NP	Packaging	Industrial Products
J	224m W	Works	West Midlands, WS10	Unspecified Works Or Factories	Industrial Features

ID	Location	Company	Address	Activity	Category
6	234m N	Central Accident	Bridge Street, Town Centre, Wednesbury, West Midlands, WS10 0NP	Vehicle Repair, Testing and Servicing	Repair and Servicing
L	244m SE	Powell Gee	Rigby Street, Wednesbury, West Midlands, WS10 0NP	General Construction Supplies	Industrial Products
J	244m NW	Coben Scott Ltd	Isis House, Smith Road, Wednesbury, West Midlands, WS10 0PD	Civil Engineers	Engineering Services
J	244m NW	Northern Steel Stocks	Isis House, Smith Road, Wednesbury, West Midlands, WS10 0PD	Metals Manufacturers, Fabricators and Stockholders	Industrial Products
L	244m SE	Works	West Midlands, WS10	Unspecified Works Or Factories	Industrial Features

This data is sourced from Ordnance Survey.

4.2 Current or recent petrol stations

Records within 500m	**1**

Open, closed, under development and obsolete petrol stations.

Features are displayed on the Current industrial land use map on **page 78**

ID	Location	Company	Address	LPG	Status
A	29m E	APPLEGREEN	Bridge Street, Woden Road South, Wednesbury, Walsall, West Midlands, WS10 0NP	No	Open

This data is sourced from Experian.

4.3 Electricity cables

Records within 500m	**0**

High voltage underground electricity transmission cables.

This data is sourced from National Grid.

4.4 Gas pipelines

Records within 500m	0

High pressure underground gas transmission pipelines.

This data is sourced from National Grid.

4.5 Sites determined as Contaminated Land

Records within 500m	0

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

This data is sourced from Local Authority records.

4.6 Control of Major Accident Hazards (COMAH)

Records within 500m	4

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

Features are displayed on the Current industrial land use map on **page 78**

ID	Location	Company	Address	Operational status	Tier
A	**On site**	**Lister Gases**	**Lister Gases, Bridge Street, Holloway Bank, Wednesbury, WS10 0AW**	**Historical NIHHS Site**	**-**
A	**On site**	**Lister Gases Limited**	**Lister Gases Limited, Lister Gases Ltd, Bridge Street, Holloway Bank, Wednesbury, West Midlands, WS10 0AW**	**Historical COMAH Site**	**COMAH Lower Tier Operator**
A	**On site**	**Avanti Gas Limited**	**Avanti Gas Limited, Wednesbury, Bridge Street, Holloway Bank, Wednesbury, West Midlands, WS10 0AW**	**Current COMAH Site**	**COMAH Lower Tier Operator**
N	359m N	Biffa Waste Services	Biffa Waste Services, Wednesbury Treatment Centre, Potters Lane, Wednesbury, WS10 7NR	Historical NIHHS Site	-

This data is sourced from the Health and Safety Executive.

4.7 Regulated explosive sites

Records within 500m	0

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

This data is sourced from the Health and Safety Executive.

4.8 Hazardous substance storage/usage

Records within 500m	2

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

Features are displayed on the Current industrial land use map on **page 78**

ID	Location	Details	
A	**On site**	**Application reference number: HS/002** **Application status: Approved** **Application date: 30/10/1992** **Address: Avanti Gas Limited, Bridge Street, Holloway Bank, Wednesbury, West Midlands, England, WS10 0AW**	**Details: Storage of up to 135 tonnes of LPG (butane and propane)** **Enforcement: No Enforcement Notified** **Date of enforcement: No Enforcement Notified** **Comment: No Enforcement Notified**
N	428m N	Application reference number: HS/019 Application status: Withdrawn Application date: 20/10/1999 Address: Biffa Waste Services Ltd, Waste Treatment Centre, Potters Lane, Wednesbury, WS10 7NR	Details: Application deemed invalid due to failure to specify quanties for toxic and very toxic substances. Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified

This data is sourced from Local Authority records.

4.9 Historical licensed industrial activities (IPC)

Records within 500m	0

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

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

4.10 Licensed industrial activities (Part A(1))

Records within 500m	**20**

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 78**

ID	Location	Details	
M	289m N	Operator: OLYPHANT AND TALBOT FUELS LIMITED Installation Name: WEDNESBURY BIODIESEL PLANT Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: NP3737ZS Original Permit Number: DP3439CE	EPR Reference: - Issue Date: - Effective Date: 16/05/2013 Last date noted as effective: 01/04/2021 Status: SURRENDER EFFECTIVE
M	289m N	Operator: BIODIESEL (WEST MIDLANDS) LIMITED Installation Name: WEDNESBURY BIODIESEL PLANT Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: EP3831HZ Original Permit Number: PP3538HK	EPR Reference: - Issue Date: 15/03/2011 Effective Date: 15/03/2011 Last date noted as effective: 01/04/2021 Status: SUPERCEDED
M	289m N	Operator: GO BIODIESEL LIMITED Installation Name: WEDNESBURY BIODIESEL PLANT Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: WP3839XE Original Permit Number: WP3839XE	EPR Reference: - Issue Date: 21/08/2008 Effective Date: 21/08/2008 Last date noted as effective: 01/04/2021 Status: SUPERCEDED
M	289m N	Operator: BIODIESEL (WEST MIDLANDS) LIMITED Installation Name: WEDNESBURY BIODIESEL PLANT Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: PP3538HK Original Permit Number: PP3538HK	EPR Reference: - Issue Date: 04/01/2011 Effective Date: 04/01/2011 Last date noted as effective: 01/04/2021 Status: SUPERCEDED
M	289m N	Operator: OLYPHANT AND TALBOT FUELS LIMITED Installation Name: WEDNESBURY BIODIESEL PLANT Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: DP3439CE Original Permit Number: DP3439CE	EPR Reference: - Issue Date: 09/02/2012 Effective Date: 10/02/2012 Last date noted as effective: 01/04/2021 Status: SUPERCEDED
N	419m NW	Operator: BIFFA WASTE SERVICES LTD Installation Name: WEDNESBURY WM RESOURCE CENTRE EPR/XP3631SE Process: OTHER WASTE DISPOSAL; NON-HAZARDOUS WASTE >50T/D BY PHYSICO-CHEMICAL TREATMENT Permit Number: QP3239FL Original Permit Number: XP3631SE	EPR Reference: - Issue Date: 19/08/2011 Effective Date: 19/08/2011 Last date noted as effective: 01/04/2021 Status: SUPERCEDED

ID	Location	Details	
N	419m NW	Operator: BIFFA WASTE SERVICES LTD Installation Name: WEDNESBURY WM RESOURCE CENTRE EPR/XP3631SE Process: OTHER WASTE DISPOSAL; WASTE OILS >10 T/D Permit Number: QP3239FL Original Permit Number: XP3631SE	EPR Reference: - Issue Date: 19/08/2011 Effective Date: 19/08/2011 Last date noted as effective: 01/04/2021 Status: SUPERCEDED
N	419m NW	Operator: BIFFA WASTE SERVICES LTD Installation Name: WEDNESBURY WM RESOURCE CENTRE EPR/XP3631SE Process: DISPOSAL OR RECOVERY OF HAZARDOUS WASTE WITH A CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING PHYSICO-CHEMICAL TREATMENT Permit Number: SP3138EP Original Permit Number: XP3631SE	EPR Reference: - Issue Date: 10/12/2013 Effective Date: 10/12/2013 Last date noted as effective: 01/04/2021 Status: EFFECTIVE
N	419m NW	Operator: BIFFA WASTE SERVICES LTD Installation Name: WEDNESBURY WM RESOURCE CENTRE EPR/XP3631SE Process: DISPOSAL OR RECOVERY OF HAZARDOUS WASTE WITH A CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING PHYSICO-CHEMICAL TREATMENT Permit Number: SP3138EP Original Permit Number: XP3631SE	EPR Reference: - Issue Date: 10/12/2013 Effective Date: 10/12/2013 Last date noted as effective: 15/07/2017 Status: EFFECTIVE
N	419m NW	Operator: BIFFA WASTE SERVICES LTD Installation Name: WEDNESBURY WM RESOURCE CENTRE EPR/XP3631SE Process: DISPOSAL OR RECOVERY OF HAZ WASTE WITH CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING REPACKAGING PRIOR TO SUBMISSION TO ANY OF THE OTHER ACTIVITIES LISTED IN THIS SECTION OR IN SECTION 5.1 Permit Number: SP3138EP Original Permit Number: XP3631SE	EPR Reference: - Issue Date: 10/12/2013 Effective Date: 10/12/2013 Last date noted as effective: 01/04/2021 Status: EFFECTIVE
N	419m NW	Operator: BIFFA WASTE SERVICES LTD Installation Name: WEDNESBURY WM RESOURCE CENTRE EPR/XP3631SE Process: DISPOSAL OR RECOVERY OF HAZ WASTE WITH CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING BLENDING OR MIXING PRIOR TO SUBMISSION TO ANY OF THE OTHER ACTIVITIES LISTED IN THIS SECTION OR IN SECTION 5.1 Permit Number: SP3138EP Original Permit Number: XP3631SE	EPR Reference: - Issue Date: 10/12/2013 Effective Date: 10/12/2013 Last date noted as effective: 01/04/2021 Status: EFFECTIVE

ID	Location	Details	
N	419m NW	Operator: BIFFA WASTE SERVICES LTD Installation Name: WEDNESBURY WM RESOURCE CENTRE EPR/XP3631SE Process: OTHER WASTE DISPOSAL; NON-HAZARDOUS WASTE >50T/D BY PHYSICO-CHEMICAL TREATMENT Permit Number: FP3336FC Original Permit Number: XP3631SE	EPR Reference: - Issue Date: 12/10/2011 Effective Date: 12/10/2011 Last date noted as effective: 01/04/2021 Status: SUPERCEDED
N	419m NW	Operator: BIFFA WASTE SERVICES LTD Installation Name: WEDNESBURY WM RESOURCE CENTRE EPR/XP3631SE Process: OTHER WASTE DISPOSAL; WASTE OILS >10 T/D Permit Number: FP3336FC Original Permit Number: XP3631SE	EPR Reference: - Issue Date: 12/10/2011 Effective Date: 12/10/2011 Last date noted as effective: 01/04/2021 Status: SUPERCEDED
N	419m NW	Operator: BIFFA WASTE SERVICES LTD Installation Name: WEDNESBURY WM RESOURCE CENTRE EPR/XP3631SE Process: OTHER WASTE DISPOSAL; HAZARDOUS WASTE >10T/D Permit Number: FP3336FC Original Permit Number: XP3631SE	EPR Reference: - Issue Date: 12/10/2011 Effective Date: 12/10/2011 Last date noted as effective: 01/04/2021 Status: SUPERCEDED
N	419m NW	Operator: BIFFA WASTE SERVICES LTD Installation Name: WEDNESBURY WM RESOURCE CENTRE EPR/XP3631SE Process: OTHER WASTE DISPOSAL; WASTE OILS >10 T/D Permit Number: XP3631SE Original Permit Number: XP3631SE	EPR Reference: - Issue Date: 30/06/2006 Effective Date: 30/06/2006 Last date noted as effective: 01/04/2021 Status: SUPERCEDED
N	419m NW	Operator: BIFFA WASTE SERVICES LTD Installation Name: WEDNESBURY WM RESOURCE CENTRE EPR/XP3631SE Process: DISPOSAL OR RECOVERY OF HAZARDOUS WASTE WITH A CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING BIOLOGICAL TREATMENT Permit Number: SP3138EP Original Permit Number: XP3631SE	EPR Reference: - Issue Date: 10/12/2013 Effective Date: 10/12/2013 Last date noted as effective: 15/07/2017 Status: EFFECTIVE
N	419m NW	Operator: BIFFA WASTE SERVICES LTD Installation Name: WEDNESBURY WM RESOURCE CENTRE EPR/XP3631SE Process: TEMPORARY STORAGE OF HAZ WASTE NOT UNDER S 5.2 PENDING ACTIVITIES LISTED IN S 5.1, 5.2, 5.3 AND PARAGRAPH (B) OF THIS SECTION WITH A TOTAL CAPACITY > 50 TONNES, EXCL TEMP STORAGE WHERE GENERATED Permit Number: SP3138EP Original Permit Number: XP3631SE	EPR Reference: - Issue Date: 10/12/2013 Effective Date: 10/12/2013 Last date noted as effective: 01/04/2021 Status: EFFECTIVE

ID	Location	Details	
N	419m NW	Operator: BIFFA WASTE SERVICES LTD Installation Name: WEDNESBURY WM RESOURCE CENTRE EPR/XP3631SE Process: OTHER WASTE DISPOSAL; HAZARDOUS WASTE >10T/D Permit Number: XP3631SE Original Permit Number: XP3631SE	EPR Reference: - Issue Date: 30/06/2006 Effective Date: 30/06/2006 Last date noted as effective: 01/04/2021 Status: SUPERCEDED
N	419m NW	Operator: BIFFA WASTE SERVICES LTD Installation Name: WEDNESBURY WM RESOURCE CENTRE EPR/XP3631SE Process: OTHER WASTE DISPOSAL; NON-HAZARDOUS WASTE >50T/D BY PHYSICO-CHEMICAL TREATMENT Permit Number: XP3631SE Original Permit Number: XP3631SE	EPR Reference: - Issue Date: 30/06/2006 Effective Date: 30/06/2006 Last date noted as effective: 01/04/2021 Status: SUPERCEDED
N	419m NW	Operator: BIFFA WASTE SERVICES LTD Installation Name: WEDNESBURY WM RESOURCE CENTRE EPR/XP3631SE Process: OTHER WASTE DISPOSAL; HAZARDOUS WASTE >10T/D Permit Number: QP3239FL Original Permit Number: XP3631SE	EPR Reference: - Issue Date: 19/08/2011 Effective Date: 19/08/2011 Last date noted as effective: 01/04/2021 Status: SUPERCEDED

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

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

Records within 500m **12**

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

Features are displayed on the Current industrial land use map on **page 78**

ID	Location	Address	Details	
A	30m E	Tamebridge Service Station, Holloway Bank, Wednesbury, West Midlands, WS10 0NF	Process: Unloading of Petrol into Storage at Service Stations Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
A	32m NE	Wednesbury Petrol Station, Holloway Bank, Wednesbury, West Midlands, WS10 0NP	Process: Unloading of Petrol into Storage at Service Stations Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified

ID	Location	Address	Details	
A	56m N	B & T Manufacturing, Bridge Street, Wednesbury, West Midlands, WS10 0AW	Process: Non-ferrous Metal Foundry Processes Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
A	72m NW	First National Vehicles, 2-3 Bridge Business Park, Bridge Street, Wednesbury, WS10 0AW	Process: Respraying of Road Vehicles Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
D	92m N	Bridge Aluminium Ltd, 84 Bridge Street, Wednesbury, West Midlands, WS10 0AN	Process: Non-ferrous Metal Foundry Processes Status: Current Permit Permit Type: Part A2	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
E	114m SE	A Thompson Motor Bodies, 105 Holloway Bank, Wednesbury, West Midlands, WS10 0PA	Process: Respraying of Road Vehicles Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
G	171m S	Ecka Granules Metal Powders Ltd, Bilport Lane, Prothero Industrial Estate, Wednesbury, WS10 0NT	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
9	281m N	Rapid Auto Body Repairs Ltd, 59 Bridge Street, Wednesbury, West Midlands, WS10 0AH	Process: Respraying of Road Vehicles Status: Surrendered Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
10	284m W	Newby Foundries Ltd, Smith Road, Wednesbury, West Midlands, WS10 0PB	Process: Boiler & Furnace Processes Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
15	424m SW	Midland Quarry Products Ltd, Smith Road, Wednesbury, West Midlands, WS10 0BP	Process: Roadstone Coating Processes Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
16	435m SW	New Crown Garage / CTS Autos, Bilport Lane, Wednesbury, West Midlands, WS10 0NT	Process: Waste Oil Burner 0.4 MW Status: New Legislation Applies Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified

ID	Location	Address	Details	
19	480m N	Sime Foundry Ltd, Stafford Street, Wednesbury, West Midlands, WS10 7JX	Process: Other Metal Processes Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified

This data is sourced from Local Authority records.

4.12 Radioactive Substance Authorisations

Records within 500m	**0**

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

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

4.13 Licensed Discharges to controlled waters

Records within 500m	**2**

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

Features are displayed on the Current industrial land use map on **page 78**

ID	Location	Address	Details	
B	17m SE	HILLTOP EAST RECLAMATION SITE, BILPORT LANE, WEDNESBURY	Effluent Type: MISCELLANEOUS DISCHARGES - MINE/GROUNDWATER AS RAISED Permit Number: T/08/35375/T Permit Version: 1 Receiving Water: THE OLDBURY TAME	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 18/05/1999 Effective Date: 18/05/1999 Revocation Date: -
K	212m W	NEWBY FOUNDRY, SMITH ROAD, WEDNESBURY	Effluent Type: TRADE DISCHARGES - SITE DRAINAGE Permit Number: T/08/35645/T Permit Version: 1 Receiving Water: RIVER TAME (OLDBURY ARM)	Status: SURRENDERED UNDER EPR 2010 Issue date: 25/11/2001 Effective Date: 25/11/2001 Revocation Date: 14/06/2011

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

4.14 Pollutant release to surface waters (Red List)

Records within 500m	0

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

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

4.15 Pollutant release to public sewer

Records within 500m	0

Discharges of Special Category Effluents to the public sewer.

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

4.16 List 1 Dangerous Substances

Records within 500m	2

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

Features are displayed on the Current industrial land use map on **page 78**

ID	Location	Name	Status	Receiving Water	Authorised Substances
O	407m W	Black Country Developments, Leabrook Road	Not Active	Tame Valley Canal, River Tame	Cadmium
P	449m NW	V.h.e. Construction Ltd, Leabrook Road Reclamation Site	Not Active	Lea Brook, River Tame	Cadmium

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

4.17 List 2 Dangerous Substances

Records within 500m	4

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

Features are displayed on the Current industrial land use map on **page 78**

ID	Location	Name	Status	Receiving Water	Authorised Substances
B	18m SE	Hilltop East Reclamation Scheme, Bilport Lane, Wednesbury	Active	River Tame	Iron, pH
K	212m W	Site Drainage From Newby Foundry	Active	River Tame	Copper, Iron, Nickel, Zinc
O	407m W	Black Country Developments Leabrook Road Reclam	Not Active	River Tame (oldbury Arm)	Chromium, Copper, Iron, Nickel, pH, Zinc, 4-Chloro-3-methyl-phenol, 2,4-Dichlorophenol
P	449m NW	V.h.e. Construction Ltd, Leabrook Road	Not Active	Lea Brook (tame)	Chromium, Copper, Iron, Nickel, pH, Zinc, 4-Chloro-3-methyl-phenol, 2,4-Dichlorophenol

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

4.18 Pollution Incidents (EA/NRW)

Records within 500m	**22**

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 78**

ID	Location	Details	
A	11m SE	Incident Date: 28/06/2002 Incident Identification: 87999 Pollutant: Sewage Materials Pollutant Description: Grey Water	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
A	18m SE	Incident Date: 11/10/2002 Incident Identification: 114086 Pollutant: Sewage Materials Pollutant Description: Grey Water	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
A	67m NW	Incident Date: 18/10/2002 Incident Identification: 115640 Pollutant: Pollutant Not Identified Pollutant Description: Not Identified	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
D	82m NE	Incident Date: 03/02/2003 Incident Identification: 134564 Pollutant: Specific Waste Materials:Specific Waste Materials Pollutant Description: Metal Wastes:Other Specific Waste Material	Water Impact: Category 3 (Minor) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)

ID	Location	Details	
D	82m NE	Incident Date: 03/02/2003 Incident Identification: 134564 Pollutant: Specific Waste Materials Pollutant Description: Other Specific Waste Material	Water Impact: Category 3 (Minor) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
D	82m NE	Incident Date: 03/02/2003 Incident Identification: 134564 Pollutant: Specific Waste Materials Pollutant Description: Metal Wastes	Water Impact: Category 3 (Minor) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
D	121m N	Incident Date: 07/10/2003 Incident Identification: 194879 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)
G	148m S	Incident Date: 30/07/2001 Incident Identification: 21900 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Smoke	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
D	186m N	Incident Date: 21/08/2002 Incident Identification: 102257 Pollutant: General Biodegradable Materials and Wastes Pollutant Description: Blood and Offal	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
I	210m N	Incident Date: 09/05/2003 Incident Identification: 157116 Pollutant: Oils and Fuel Pollutant Description: Petrol	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
7	243m SE	Incident Date: 19/10/2001 Incident Identification: 37803 Pollutant: Oils and Fuel Pollutant Description: Unidentified Oil	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
8	251m SW	Incident Date: 05/09/2001 Incident Identification: 29167 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)
K	259m W	Incident Date: 01/07/2003 Incident Identification: 170374 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Smoke	Water Impact: Category 3 (Minor) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
J	286m NW	Incident Date: 24/06/2003 Incident Identification: 168589 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)

ID	Location	Details	
11	336m NW	Incident Date: 12/02/2003 Incident Identification: 136510 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Sulphide Odour	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
12	354m N	Incident Date: 04/04/2002 Incident Identification: 68918 Pollutant: Contaminated Water Pollutant Description: Other Contaminated Water	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
13	393m E	Incident Date: 20/03/2002 Incident Identification: 65473 Pollutant: Oils and Fuel Pollutant Description: Diesel	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
N	414m N	Incident Date: 04/09/2003 Incident Identification: 187367 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Chemical Odour	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
14	420m NE	Incident Date: 24/02/2003 Incident Identification: 139081 Pollutant: Specific Waste Materials Pollutant Description: Other Specific Waste Material	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
17	443m E	Incident Date: 30/09/2002 Incident Identification: 111559 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)
N	443m N	Incident Date: 01/10/2002 Incident Identification: 111777 Pollutant: Organic Chemicals/Products Pollutant Description: Alcohols/Aldehydes	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
18	446m NW	Incident Date: 03/01/2002 Incident Identification: 50308 Pollutant: Specific Waste Materials Pollutant Description: Containers	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)

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

4.19 Pollution inventory substances

Records within 500m	**4**

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

Features are displayed on the Current industrial land use map on **page 78**

ID: N, Location: 419m NW, Permit: XP3631SE
Operator: Biffa Waste Services Ltd
Activity: DISPOSAL OR RECOVERY OF HAZARDOUS WASTE WITH A CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING PHYSICO-CHEMICAL TREATMENT
Address: Wednesbury WM Resource Centre Biffa Waste Management Resource Centre (Wednesday) Potters Lane West Midland WS10 7NR
Sector: Waste Treatment, Sub-sector: Hazardous
Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Wastewater	Total organic carbon (TOC)	50000kg	144986kg

ID: N, Location: 419m NW, Permit: XP3631SE
Operator: Biffa Waste Services Ltd
Activity: DISPOSAL OR RECOVERY OF HAZARDOUS WASTE WITH A CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING PHYSICO-CHEMICAL TREATMENT
Address: Wednesbury WM Resource Centre Biffa Waste Management Resource Centre (Wednesday) Potters Lane West Midland WS10 7NR
Sector: Waste Treatment, Sub-sector: Hazardous
Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Wastewater	Arsenic	5kg	Below Reporting Threshold
Wastewater	Cadmium	1kg	Below Reporting Threshold
Wastewater	Chlorides - as Cl	2000000kg	Below Reporting Threshold
Wastewater	Chromium	20kg	Below Reporting Threshold
Wastewater	Copper	20kg	Below Reporting Threshold
Wastewater	Cyanides - as CN	50kg	Below Reporting Threshold
Wastewater	Fluorides - as F	2000kg	Below Reporting Threshold
Wastewater	Halogenated organic compounds - as AOX	1000kg	Below Reporting Threshold
Wastewater	Iron	1000kg	Below Reporting Threshold
Wastewater	Lead	20kg	Below Reporting Threshold
Wastewater	Mercury	0.1kg	Below Reporting Threshold
Wastewater	Nitrogen - as total N	50000kg	Below Reporting Threshold

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Non-methane volatile organic compounds (NMVOCs)	10000kg	Below Reporting Threshold
Wastewater	Phenols - total as C	20kg	Below Reporting Threshold
Wastewater	Phosphorus - as total P	5000kg	Below Reporting Threshold

ID: N, Location: 419m NW, Permit: XP3631SE
Operator: Biffa Waste Services Ltd
Activity: DISPOSAL OR RECOVERY OF HAZARDOUS WASTE WITH A CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING PHYSICO-CHEMICAL TREATMENT
Address: Wednesbury WM Resource Centre Biffa Waste Management Resource Centre (Wednesday) Potters Lane West Midland WS10 7NR
Sector: Waste Treatment, Sub-sector: Hazardous
Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Wastewater	Zinc	100kg	103.9kg

ID: N, Location: 419m NW, Permit: XP3631SE
Operator: Biffa Waste Services Ltd
Activity: DISPOSAL OR RECOVERY OF HAZARDOUS WASTE WITH A CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING PHYSICO-CHEMICAL TREATMENT
Address: Wednesbury WM Resource Centre Biffa Waste Management Resource Centre (Wednesday) Potters Lane West Midland WS10 7NR
Sector: Waste Treatment, Sub-sector: Hazardous
Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Wastewater	Nickel	20kg	32.9kg

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

4.20 Pollution inventory waste transfers

Records within 500m	**1**

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

Features are displayed on the Current industrial land use map on **page 78**

ID: N, Location: 419m NW, Permit: XP3631SE
Operator: Biffa Waste Services Ltd
Activity: DISPOSAL OR RECOVERY OF HAZARDOUS WASTE WITH A CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING PHYSICO-CHEMICAL TREATMENT
Address: Wednesbury WM Resource Centre Biffa Waste Management Resource Centre (Wednesday) Potters Lane West Midland WS10 7NR
Sector: Waste Treatment, Sub-sector: Hazardous
Releases:

Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	27.4	Absolute Value	10 01 01	bottom ash, slag and boiler dust (excluding boiler dust mentioned in 10 01 04)	No
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numberes D1 to D12 (eg evaporation, drying, calcination, etc.)	9.8	Absolute Value	10 01 01	bottom ash, slag and boiler dust (excluding boiler dust mentioned in 10 01 04)	No
D13	Blending or mixing prior to submission to any of the operators numbered D1 to D12	1	Absolute Value	10 13 06	particulates and dust (except 10 13 12 and 10 13 13)	No
R9	Oil e-refining or other reuses of oil	0.2	Absolute Value	11 01 12	aqueous rinsing liquids other than those mentioned in 11 01 11	No
R2	Solvant reclamation/regeneration	0.43	Absolute Value	11 01 12	aqueous rinsing liquids other than those mentioned in 11 01 11	No
R4	Recycling/reclamation of metals and metal compounds	0.4	Absolute Value	12 01 03	non-ferrous metal filings and turnings	No
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	0.41	Absolute Value	12 01 17	waste blasting material other than those mentioned in 12 01 16	No

Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	5.37	Absolute Value	12 01 21	spent grinding bodies and grinding materials other than those mentioned in 12 01 20	No
D13	Blending or mixing prior to submission to any of the operators numbered D1 to D12	1.89	Absolute Value	12 01 21	spent grinding bodies and grinding materials other than those mentioned in 12 01 20	No
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	37.41	Absolute Value	15 01 02	plastic packaging	No
R2	Solvant reclamation/regeneration	1.154	Absolute Value	15 01 02	plastic packaging	No
R4	Recycling/reclamation of metals and metal compounds	0.15	Absolute Value	15 01 02	plastic packaging	No
D1	Deposit into or onto land (eg landfill, etc.)	0.6	Absolute Value	15 01 02	plastic packaging	No
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	4	Absolute Value	15 01 04	metallic packaging	No
R4	Recycling/reclamation of metals and metal compounds	13.474	Absolute Value	15 01 04	metallic packaging	No
D13	Blending or mixing prior to submission to any of the operators numbered D1 to D12	0.14	Absolute Value	15 01 06	mixed packaging	No
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	17.69	Absolute Value	15 01 06	mixed packaging	No
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	7	Absolute Value	15 01 06	mixed packaging	No
R4	Recycling/reclamation of metals and metal compounds	0.72	Absolute Value	15 01 06	mixed packaging	No

Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D1	Deposit into or onto land (eg landfill, etc.)	0.34	Absolute Value	15 01 06	mixed packaging	No
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numberes D1 to D12 (eg evaporation, drying, calcination, etc.)	3.75	Absolute Value	15 02 03	absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02	No
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	1.8	Absolute Value	15 02 03	absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02	No
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.8	Absolute Value	15 02 03	absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02	No
R4	Recycling/reclamation of metals and metal compounds	0.63	Absolute Value	15 02 03	absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02	No
D1	Deposit into or onto land (eg landfill, etc.)	28.72	Absolute Value	15 02 03	absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02	No
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	2.02	Absolute Value	16 01 03	end-of-life tyres	No
R4	Recycling/reclamation of metals and metal compounds	9.34	Absolute Value	16 01 12	brake pads other than those mentioned in 16 01 11	No
D13	Blending or mixing prior to submission to any of the operators numbered D1 to D12	1	Absolute Value	16 01 15	antifreeze fluids other than those mentioned in 16 01 14	No
R4	Recycling/reclamation of metals and metal compounds	0.61	Absolute Value	16 02 14	discarded equipment other than those mentioned in 16 02 09 to 16 02 13	No

Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	42.53	Absolute Value	16 03 04	inorganic wastes other than those mentioned in 16 03 03	No
D10	Incineration on Land	0.07	Absolute Value	16 03 04	inorganic wastes other than those mentioned in 16 03 03	No
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	1.893	Absolute Value	16 03 04	inorganic wastes other than those mentioned in 16 03 03	No
R4	Recycling/reclamation of metals and metal compounds	0.41	Absolute Value	16 03 04	inorganic wastes other than those mentioned in 16 03 03	No
D1	Deposit into or onto land (eg landfill, etc.)	3.53	Absolute Value	16 03 04	inorganic wastes other than those mentioned in 16 03 03	No
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numberes D1 to D12 (eg evaporation, drying, calcination, etc.)	5.927	Absolute Value	16 03 06	organic wastes other than those mentioned in 16 03 05	No
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	21.78	Absolute Value	16 03 06	organic wastes other than those mentioned in 16 03 05	No
D13	Blending or mixing prior to submission to any of the operators numbered D1 to D12	0.38	Absolute Value	16 03 06	organic wastes other than those mentioned in 16 03 05	No
D10	Incineration on Land	16.524	Absolute Value	16 03 06	organic wastes other than those mentioned in 16 03 05	No
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.37	Absolute Value	16 03 06	organic wastes other than those mentioned in 16 03 05	No
R2	Solvant reclamation/regeneration	0.154	Absolute Value	16 03 06	organic wastes other than those mentioned in 16 03 05	No

Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	10	Absolute Value	16 03 06	organic wastes other than those mentioned in 16 03 05	No
R4	Recycling/reclamation of metals and metal compounds	0.1	Absolute Value	16 03 06	organic wastes other than those mentioned in 16 03 05	No
D1	Deposit into or onto land (eg landfill, etc.)	16.524	Absolute Value	16 03 06	organic wastes other than those mentioned in 16 03 05	No
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	0.21	Absolute Value	16 05 05	gases in pressure containers other than those mentioned in 16 05 04	No
D10	Incineration on Land	0.2	Absolute Value	16 05 05	gases in pressure containers other than those mentioned in 16 05 04	No
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	2.75	Absolute Value	16 05 05	gases in pressure containers other than those mentioned in 16 05 04	No
R2	Solvant reclamation/regeneration	1.6	Absolute Value	16 05 05	gases in pressure containers other than those mentioned in 16 05 04	No
R4	Recycling/reclamation of metals and metal compounds	0.6	Absolute Value	16 05 05	gases in pressure containers other than those mentioned in 16 05 04	No
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	1.775	Absolute Value	16 05 09	discarded chemicals other than those mentioned in 16 05 06, 16 05 07 or 16 05 08	No
D10	Incineration on Land	0.14	Absolute Value	16 05 09	discarded chemicals other than those mentioned in 16 05 06, 16 05 07 or 16 05 08	No
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.2	Absolute Value	16 05 09	discarded chemicals other than those mentioned in 16 05 06, 16 05 07 or 16 05 08	No

Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D1	Deposit into or onto land (eg landfill, etc.)	0.01	Absolute Value	16 05 09	discarded chemicals other than those mentioned in 16 05 06, 16 05 07 or 16 05 08	No
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	5.8	Absolute Value	16 06 04	alkaline batteries (except 16 06 03)	No
R4	Recycling/reclamation of metals and metal compounds	1.28	Absolute Value	16 06 04	alkaline batteries (except 16 06 03)	No
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	2.14	Absolute Value	16 06 05	other batteries and accumulators	No
R4	Recycling/reclamation of metals and metal compounds	0.63	Absolute Value	16 06 05	other batteries and accumulators	No
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numberes D1 to D12 (eg evaporation, drying, calcination, etc.)	8	Absolute Value	16 10 02	aqueous liquid wastes other than those mentioned in 16 10 01	No
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	169	Absolute Value	16 10 02	aqueous liquid wastes other than those mentioned in 16 10 01	No
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	8	Absolute Value	16 10 02	aqueous liquid wastes other than those mentioned in 16 10 01	No
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.8	Absolute Value	17 03 02	bituminous mixtures other than those mentioned in 17 03 01	No
D1	Deposit into or onto land (eg landfill, etc.)	1	Absolute Value	17 05 04	soil and stones other than those mentioned in 17 05 03	No

Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numberes D1 to D12 (eg evaporation, drying, calcination, etc.)	1	Absolute Value	17 08 02	gypsum-based construction materials other than those mentioned in 17 08 01	No
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	5.03	Absolute Value	17 08 02	gypsum-based construction materials other than those mentioned in 17 08 01	No
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	14.19	Absolute Value	18 01 09	medicines other than those mentioned in 18 01 08	No
D13	Blending or mixing prior to submission to any of the operators numbered D1 to D12	1	Absolute Value	18 01 09	medicines other than those mentioned in 18 01 08	No
D1	Deposit into or onto land (eg landfill, etc.)	0.3	Absolute Value	18 01 09	medicines other than those mentioned in 18 01 08	No
D1	Deposit into or onto land (eg landfill, etc.)	8549.6	Absolute Value	19 02 06	sludges from physico/chemical treatment other than those mentioned in 19 02 05	No
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	1	Absolute Value	20 01 01	paper and cardboard	No
D1	Deposit into or onto land (eg landfill, etc.)	0.06	Absolute Value	20 01 02	glass	No
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	1.42	Absolute Value	20 01 25	edible oil and fat	No
D13	Blending or mixing prior to submission to any of the operators numbered D1 to D12	0.2	Absolute Value	20 01 25	edible oil and fat	No

Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.2	Absolute Value	20 01 25	edible oil and fat	No
D1	Deposit into or onto land (eg landfill, etc.)	0.2	Absolute Value	20 01 28	paint, inks, adhesives and resins other than those mentioned in 20 01 27	No
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	0.02	Absolute Value	20 01 30	detergents other than those mentioned in 20 01 29	No
D1	Deposit into or onto land (eg landfill, etc.)	0.2	Absolute Value	20 01 30	detergents other than those mentioned in 20 01 29	No
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	2.47	Absolute Value	20 01 34	batteries and accumulators other than those mentioned in 20 01 33	No
R4	Recycling/reclamation of metals and metal compounds	0.6	Absolute Value	20 01 34	batteries and accumulators other than those mentioned in 20 01 33	No
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.53	Absolute Value	20 01 36	discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35	No
R4	Recycling/reclamation of metals and metal compounds	249.55	Absolute Value	20 01 36	discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35	No
D1	Deposit into or onto land (eg landfill, etc.)	0.3	Absolute Value	20 01 36	discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35	No
R5	Recycling/reclamation of other inorganic materials	0.1	Absolute Value	20 01 36	discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35	No
R4	Recycling/reclamation of metals and metal compounds	0.35	Absolute Value	20 01 40	metals	No

Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D1	Deposit into or onto land (eg landfill, etc.)	330	Absolute Value	20 03 01	mixed municipal waste	No
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	1	Absolute Value	02 05 01	materials unsuitable for consumption or processing	No
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.5	Absolute Value	02 06 01	materials unsuitable for consumption or processing	No
R2	Solvant reclamation/regeneration	1	Absolute Value	02 07 04	materials unsuitable for consumption or processing	No
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	0.22	Absolute Value	07 02 15	wastes from additives other than those mentioned in 07 02 14	No
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.4	Absolute Value	07 02 17	waste containing silicones other than those mentioned in 07 02 16	No
R2	Solvant reclamation/regeneration	3	Absolute Value	08 01 14	sludges from paint or varnish other than those mentioned in 08 01 13	No
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numberes D1 to D12 (eg evaporation, drying, calcination, etc.)	6	Absolute Value	08 01 14	sludges from paint or varnish other than those mentioned in 08 01 13	No
R2	Solvant reclamation/regeneration	0.03	Absolute Value	08 01 16	aqueous sludges containing paint or varnish other than those mentioned in 08 01 15	No
R2	Solvant reclamation/regeneration	0.03	Absolute Value	08 01 18	wastes from paint or varnish removal other than those mentioned in 08 01 17	No

Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	12.2	Absolute Value	08 01 12	waste paint and varnish other than those mentioned in 08 01 11	No
D13	Blending or mixing prior to submission to any of the operators numbered D1 to D12	4.74	Absolute Value	08 02 01	waste coating powders	No
D1	Deposit into or onto land (eg landfill, etc.)	1	Absolute Value	08 02 01	waste coating powders	No
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	15.43	Absolute Value	08 03 13	waste ink other than those mentioned in 08 03 12	No
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numberes D1 to D12 (eg evaporation, drying, calcination, etc.)	4	Absolute Value	08 03 13	waste ink other than those mentioned in 08 03 12	No
R4	Recycling/reclamation of metals and metal compounds	0.2	Absolute Value	08 03 13	waste ink other than those mentioned in 08 03 12	No
D1	Deposit into or onto land (eg landfill, etc.)	0.1	Absolute Value	08 03 13	waste ink other than those mentioned in 08 03 12	No
R4	Recycling/reclamation of metals and metal compounds	0.2	Absolute Value	08 03 18	waste printing toner other than those mentioned in 08 03 17	No
D1	Deposit into or onto land (eg landfill, etc.)	0.1	Absolute Value	08 03 18	waste printing toner other than those mentioned in 08 03 17	No
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	6.3	Absolute Value	08 04 10	waste adhesives and sealants other than those mentioned in 08 04 09	No

Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numberes D1 to D12 (eg evaporation, drying, calcination, etc.)	10	Absolute Value	08 04 10	waste adhesives and sealants other than those mentioned in 08 04 09	No
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	1	Absolute Value	08 04 16	aqueous liquid waste containing adhesives or sealants other than those mentioned in 08 04 15	No
R4	Recycling/reclamation of metals and metal compounds	1	Absolute Value	09 01 07	photographic film and paper containing silver or silver compounds	No
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	9	Absolute Value	10 01 09	sulphuric acid	Yes
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	7.7	Absolute Value	11 01 06	acids not otherwise specified	Yes
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numberes D1 to D12 (eg evaporation, drying, calcination, etc.)	6.8	Absolute Value	11 01 06	acids not otherwise specified	Yes
D10	Incineration on Land	0.2	Absolute Value	11 01 06	acids not otherwise specified	Yes
R9	Oil e-refining or other reuses of oil	5	Absolute Value	11 01 08	phosphatising sludges	Yes
R9	Oil e-refining or other reuses of oil	2.2	Absolute Value	11 01 11	aqueous rinsing liquids containing dangerous substances	Yes

Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	75.8	Absolute Value	11 01 11	aqueous rinsing liquids containing dangerous substances	Yes
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numberes D1 to D12 (eg evaporation, drying, calcination, etc.)	10	Absolute Value	11 01 13	degreasing wastes containing dangerous substances	Yes
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	33.4	Absolute Value	11 01 13	degreasing wastes containing dangerous substances	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.2	Absolute Value	11 01 13	degreasing wastes containing dangerous substances	Yes
R2	Solvant reclamation/regeneration	0.2	Absolute Value	11 01 13	degreasing wastes containing dangerous substances	Yes
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	0.2	Absolute Value	11 01 13	degreasing wastes containing dangerous substances	Yes
D13	Blending or mixing prior to submission to any of the operators numbered D1 to D12	0.2	Absolute Value	11 05 04	spent flux	Yes
R4	Recycling/reclamation of metals and metal compounds	0.2	Absolute Value	11 05 04	spent flux	Yes
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	0.82	Absolute Value	12 01 06	mineral-based machining oils containing halogens (except emulsions and solutions)	Yes

Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	1	Absolute Value	12 01 06	mineral-based machining oils containing halogens (except emulsions and solutions)	Yes
R9	Oil e-refining or other reuses of oil	0.2	Absolute Value	12 01 07	mineral-based machining oils free of halogens (except emulsions and solutions)	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	1.8	Absolute Value	12 01 07	mineral-based machining oils free of halogens (except emulsions and solutions)	Yes
R2	Solvant reclamation/regeneration	0.07	Absolute Value	12 01 07	mineral-based machining oils free of halogens (except emulsions and solutions)	Yes
R9	Oil e-refining or other reuses of oil	9	Absolute Value	12 01 09	machining emulsions and solutions free of halogens	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	9.4	Absolute Value	12 01 09	machining emulsions and solutions free of halogens	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	4.65	Absolute Value	12 01 10	synthetic machining oils	Yes
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	0.2	Absolute Value	12 01 12	spent waxes and fats	Yes
R2	Solvant reclamation/regeneration	0.2	Absolute Value	12 01 12	spent waxes and fats	Yes
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	1.6	Absolute Value	12 01 14	machining sludges containing dangerous substances	Yes

Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	46.43	Absolute Value	12 01 16	waste blasting material containing dangerous substances	Yes
D13	Blending or mixing prior to submission to any of the operators numbered D1 to D12	33.4	Absolute Value	12 01 16	waste blasting material containing dangerous substances	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	2.7	Absolute Value	12 01 19	readily biodegradable machining oil	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	1	Absolute Value	12 01 20	spent grinding bodies and grinding materials containing dangerous substances	Yes
R9	Oil e-refining or other reuses of oil	1.42	Absolute Value	13 01 10	mineral based non-chlorinated hydraulic oils	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	6.65	Absolute Value	13 01 10	mineral based non-chlorinated hydraulic oils	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	7	Absolute Value	13 01 13	other hydraulic oils	Yes
R9	Oil e-refining or other reuses of oil	19.25	Absolute Value	13 02 05	mineral-based non-chlorinated engine, gear and lubricating oils	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	46.53	Absolute Value	13 02 05	mineral-based non-chlorinated engine, gear and lubricating oils	Yes
R2	Solvant reclamation/regeneration	2.1	Absolute Value	13 02 05	mineral-based non-chlorinated engine, gear and lubricating oils	Yes

Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	0.26	Absolute Value	13 02 05	mineral-based non-chlorinated engine, gear and lubricating oils	Yes
R4	Recycling/reclamation of metals and metal compounds	0.3	Absolute Value	13 02 05	mineral-based non-chlorinated engine, gear and lubricating oils	Yes
D13	Blending or mixing prior to submission to any of the operators numbered D1 to D12	0.5	Absolute Value	13 02 06	synthetic engine, gear and lubricating oils	Yes
R9	Oil e-refining or other reuses of oil	0.41	Absolute Value	13 02 06	synthetic engine, gear and lubricating oils	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.05	Absolute Value	13 02 06	synthetic engine, gear and lubricating oils	Yes
R4	Recycling/reclamation of metals and metal compounds	0.01	Absolute Value	13 02 06	synthetic engine, gear and lubricating oils	Yes
D13	Blending or mixing prior to submission to any of the operators numbered D1 to D12	0.6	Absolute Value	13 02 07	readily biodegradable engine, gear and lubricating oils	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	6	Absolute Value	13 02 07	readily biodegradable engine, gear and lubricating oils	Yes
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	2.23	Absolute Value	13 02 08	other engine, gear and lubricating oils	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	426.84	Absolute Value	13 02 08	other engine, gear and lubricating oils	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.26	Absolute Value	13 03 07	mineral-based non-chlorinated insulating and heat transmission oils	Yes

Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
R4	Recycling/reclamation of metals and metal compounds	0.1	Absolute Value	13 03 07	mineral-based non-chlorinated insulating and heat transmission oils	Yes
R9	Oil e-refining or other reuses of oil	0.4	Absolute Value	13 03 08	synthetic insulating and heat transmission oils	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	3.4	Absolute Value	13 05 01	solids from grit chambers and oil/water separators	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	2	Absolute Value	13 05 02	sludges from oil/water separators	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	1	Absolute Value	13 05 06	oil from oil/water separators	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	1	Absolute Value	13 05 07	oily water from oil/water separators	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	1	Absolute Value	13 07 01	fuel oil and diesel	Yes
R2	Solvant reclamation/regeneration	3.25	Absolute Value	13 07 01	fuel oil and diesel	Yes
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	0.2	Absolute Value	13 07 01	fuel oil and diesel	Yes
R2	Solvant reclamation/regeneration	1.04	Absolute Value	13 07 02	petrol	Yes
R9	Oil e-refining or other reuses of oil	1.2	Absolute Value	13 07 03	other fuels (including mixtures)	Yes

Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	12.83	Absolute Value	13 07 03	other fuels (including mixtures)	Yes
R2	Solvant reclamation/regeneration	5.04	Absolute Value	13 07 03	other fuels (including mixtures)	Yes
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	3.41	Absolute Value	13 07 03	other fuels (including mixtures)	Yes
R4	Recycling/reclamation of metals and metal compounds	0.06	Absolute Value	14 06 01	chlorofluorocarbons, HCFC, HFC	Yes
R2	Solvant reclamation/regeneration	0.2	Absolute Value	14 06 02	other halogenated solvents and solvent mixtures	Yes
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	0.23	Absolute Value	14 06 03	other solvents and solvent mixtures	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.51	Absolute Value	14 06 03	other solvents and solvent mixtures	Yes
R2	Solvant reclamation/regeneration	42.82	Absolute Value	14 06 03	other solvents and solvent mixtures	Yes
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	1.85	Absolute Value	14 06 03	other solvents and solvent mixtures	Yes
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	5.7	Absolute Value	15 01 10	packaging containing residues of or contaminated by dangerous substances	Yes
D13	Blending or mixing prior to submission to any of the operators numbered D1 to D12	0.2	Absolute Value	15 01 10	packaging containing residues of or contaminated by dangerous substances	Yes

Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D10	Incineration on Land	0.1	Absolute Value	15 01 10	packaging containing residues of or contaminated by dangerous substances	Yes
R9	Oil e-refining or other reuses of oil	9.51	Absolute Value	15 01 10	packaging containing residues of or contaminated by dangerous substances	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	182.5	Absolute Value	15 01 10	packaging containing residues of or contaminated by dangerous substances	Yes
R2	Solvant reclamation/regeneration	44.29	Absolute Value	15 01 10	packaging containing residues of or contaminated by dangerous substances	Yes
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	20	Absolute Value	15 01 10	packaging containing residues of or contaminated by dangerous substances	Yes
R4	Recycling/reclamation of metals and metal compounds	107.97	Absolute Value	15 01 10	packaging containing residues of or contaminated by dangerous substances	Yes
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	13.71	Absolute Value	15 02 02	absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances	Yes
D13	Blending or mixing prior to submission to any of the operators numbered D1 to D12	3.4	Absolute Value	15 02 02	absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances	Yes
D10	Incineration on Land	1.42	Absolute Value	15 02 02	absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances	Yes

Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	122.06	Absolute Value	15 02 02	absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances	Yes
R2	Solvant reclamation/regeneration	105.76	Absolute Value	15 02 02	absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances	Yes
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	5.6	Absolute Value	16 01 07	oil filters	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	29.295	Absolute Value	16 01 07	oil filters	Yes
R2	Solvant reclamation/regeneration	11	Absolute Value	16 01 07	oil filters	Yes
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	2.3	Absolute Value	16 01 07	oil filters	Yes
R4	Recycling/reclamation of metals and metal compounds	2.2	Absolute Value	16 01 07	oil filters	Yes
R9	Oil e-refining or other reuses of oil	0.4	Absolute Value	16 01 13	brake fluids	Yes
R9	Oil e-refining or other reuses of oil	4.64	Absolute Value	16 01 14	antifreeze fluids containing dangerous substances	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	11.25	Absolute Value	16 01 14	antifreeze fluids containing dangerous substances	Yes

Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	10	Absolute Value	16 01 21	hazardous components other than those mentioned in 16 01 07 to 16 01 11 and 16 01 13 and 16 01 14	Yes
R2	Solvant reclamation/regeneration	7.8	Absolute Value	16 01 21	hazardous components other than those mentioned in 16 01 07 to 16 01 11 and 16 01 13 and 16 01 14	Yes
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	8	Absolute Value	16 01 21	hazardous components other than those mentioned in 16 01 07 to 16 01 11 and 16 01 13 and 16 01 14	Yes
R4	Recycling/reclamation of metals and metal compounds	0.8	Absolute Value	16 01 21	hazardous components other than those mentioned in 16 01 07 to 16 01 11 and 16 01 13 and 16 01 14	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.4	Absolute Value	16 02 11	discarded equipment containing chlorofluorocarbons, HCFC, HFC	Yes
R4	Recycling/reclamation of metals and metal compounds	4.59	Absolute Value	16 02 11	discarded equipment containing chlorofluorocarbons, HCFC, HFC	Yes
R4	Recycling/reclamation of metals and metal compounds	0.1	Absolute Value	16 02 13	discarded equipment containing hazardous components (2) other than those mentioned in 16 02 09 to 16 02 12	Yes
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numberes D1 to D12 (eg evaporation, drying, calcination, etc.)	0.2	Absolute Value	16 03 03	inorganic wastes containing dangerous substances	Yes
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	484.175	Absolute Value	16 03 03	inorganic wastes containing dangerous substances	Yes

Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D13	Blending or mixing prior to submission to any of the operators numbered D1 to D12	138.21	Absolute Value	16 03 03	inorganic wastes containing dangerous substances	Yes
D10	Incineration on Land	11.06	Absolute Value	16 03 03	inorganic wastes containing dangerous substances	Yes
R9	Oil e-refining or other reuses of oil	0.2	Absolute Value	16 03 03	inorganic wastes containing dangerous substances	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	9.5	Absolute Value	16 03 03	inorganic wastes containing dangerous substances	Yes
R2	Solvant reclamation/regeneration	0.43	Absolute Value	16 03 03	inorganic wastes containing dangerous substances	Yes
D1	Deposit into or onto land (eg landfill, etc.)	1.23	Absolute Value	16 03 03	inorganic wastes containing dangerous substances	Yes
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numberes D1 to D12 (eg evaporation, drying, calcination, etc.)	0.4	Absolute Value	16 03 05	organic wastes containing dangerous substances	Yes
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	45.12	Absolute Value	16 03 05	organic wastes containing dangerous substances	Yes
D13	Blending or mixing prior to submission to any of the operators numbered D1 to D12	16.11	Absolute Value	16 03 05	organic wastes containing dangerous substances	Yes
D10	Incineration on Land	5.133	Absolute Value	16 03 05	organic wastes containing dangerous substances	Yes
R9	Oil e-refining or other reuses of oil	0.4	Absolute Value	16 03 05	organic wastes containing dangerous substances	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	15.63	Absolute Value	16 03 05	organic wastes containing dangerous substances	Yes

Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
R2	Solvant reclamation/regeneration	21.146	Absolute Value	16 03 05	organic wastes containing dangerous substances	Yes
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	1.41	Absolute Value	16 03 05	organic wastes containing dangerous substances	Yes
R4	Recycling/reclamation of metals and metal compounds	2.37	Absolute Value	16 03 05	organic wastes containing dangerous substances	Yes
D1	Deposit into or onto land (eg landfill, etc.)	0.69	Absolute Value	16 03 05	organic wastes containing dangerous substances	Yes
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	0.33	Absolute Value	16 05 04	gases in pressure containers (including halons) containing dangerous substances	Yes
D10	Incineration on Land	0.14	Absolute Value	16 05 04	gases in pressure containers (including halons) containing dangerous substances	Yes
R2	Solvant reclamation/regeneration	45.35	Absolute Value	16 05 04	gases in pressure containers (including halons) containing dangerous substances	Yes
R4	Recycling/reclamation of metals and metal compounds	14	Absolute Value	16 05 04	gases in pressure containers (including halons) containing dangerous substances	Yes
D1	Deposit into or onto land (eg landfill, etc.)	0.21	Absolute Value	16 05 04	gases in pressure containers (including halons) containing dangerous substances	Yes
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	6.1	Absolute Value	16 05 06	laboratory chemicals, consisting of or containing dangerous substances, including mixtures of laboratory chemicals	Yes
D10	Incineration on Land	2.67	Absolute Value	16 05 06	laboratory chemicals, consisting of or containing dangerous substances, including mixtures of laboratory chemicals	Yes

Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.33	Absolute Value	16 05 06	laboratory chemicals, consisting of or containing dangerous substances, including mixtures of laboratory chemicals	Yes
R2	Solvant reclamation/regeneration	26.52	Absolute Value	16 05 06	laboratory chemicals, consisting of or containing dangerous substances, including mixtures of laboratory chemicals	Yes
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	9.2	Absolute Value	16 05 06	laboratory chemicals, consisting of or containing dangerous substances, including mixtures of laboratory chemicals	Yes
D10	Incineration on Land	0.02	Absolute Value	16 05 07	discarded inorganic chemicals consisting of or containing dangerous substances	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	1	Absolute Value	16 05 07	discarded inorganic chemicals consisting of or containing dangerous substances	Yes
R2	Solvant reclamation/regeneration	0.1	Absolute Value	16 05 07	discarded inorganic chemicals consisting of or containing dangerous substances	Yes
D10	Incineration on Land	0.03	Absolute Value	16 06 01	lead batteries	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	9.4	Absolute Value	16 06 01	lead batteries	Yes
R4	Recycling/reclamation of metals and metal compounds	70.9	Absolute Value	16 06 01	lead batteries	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.29	Absolute Value	16 06 02	Ni-Cd batteries	Yes
R4	Recycling/reclamation of metals and metal compounds	0.27	Absolute Value	16 06 02	Ni-Cd batteries	Yes

Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D13	Blending or mixing prior to submission to any of the operators numbered D1 to D12	0.2	Absolute Value	16 07 08	wastes containing oil	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.2	Absolute Value	16 07 08	wastes containing oil	Yes
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	1.39	Absolute Value	16 07 09	wastes containing other dangerous substances	Yes
D10	Incineration on Land	1.1	Absolute Value	16 07 09	wastes containing other dangerous substances	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	1.03	Absolute Value	16 07 09	wastes containing other dangerous substances	Yes
D10	Incineration on Land	0.01	Absolute Value	16 09 03	peroxides, for example hydrogen peroxide	Yes
D10	Incineration on Land	0.02	Absolute Value	16 09 04	oxidising substances, not otherwise specified	Yes
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numberes D1 to D12 (eg evaporation, drying, calcination, etc.)	7	Absolute Value	16 10 01	aqueous liquid wastes containing dangerous substances	Yes
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	13.21	Absolute Value	16 10 01	aqueous liquid wastes containing dangerous substances	Yes
R9	Oil e-refining or other reuses of oil	1	Absolute Value	16 10 01	aqueous liquid wastes containing dangerous substances	Yes

Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	2	Absolute Value	16 10 01	aqueous liquid wastes containing dangerous substances	Yes
D10	Incineration on Land	0.1	Absolute Value	17 04 09	metal waste contaminated with dangerous substances	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.01	Absolute Value	17 04 09	metal waste contaminated with dangerous substances	Yes
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	0.07	Absolute Value	17 05 03	soil and stones containing dangerous substances	Yes
D10	Incineration on Land	0.01	Absolute Value	17 05 03	soil and stones containing dangerous substances	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	3	Absolute Value	17 05 03	soil and stones containing dangerous substances	Yes
D1	Deposit into or onto land (eg landfill, etc.)	0.2	Absolute Value	17 05 03	soil and stones containing dangerous substances	Yes
R4	Recycling/reclamation of metals and metal compounds	0.03	Absolute Value	17 06 01	insulation materials containing asbestos	Yes
D1	Deposit into or onto land (eg landfill, etc.)	5.61	Absolute Value	17 06 01	insulation materials containing asbestos	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.4	Absolute Value	17 06 05	construction materials containing asbestos	Yes
D1	Deposit into or onto land (eg landfill, etc.)	1.55	Absolute Value	17 06 05	construction materials containing asbestos	Yes

Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	4	Absolute Value	19 08 10	grease and oil mixture from oil/water separation other than those mentioned in 19 08 09	Yes
D10	Incineration on Land	0.1	Absolute Value	19 12 11	other wastes (including mixtures of materials) from mechanical treatment of waste containing dangerous substances	Yes
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	0.5	Absolute Value	20 01 13	solvents	Yes
R2	Solvant reclamation/regeneration	1.74	Absolute Value	20 01 13	solvents	Yes
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	0.2	Absolute Value	20 01 13	solvents	Yes
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	1.08	Absolute Value	20 01 14	acids	Yes
D10	Incineration on Land	0.12	Absolute Value	20 01 14	acids	Yes
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numberes D1 to D12 (eg evaporation, drying, calcination, etc.)	8	Absolute Value	20 01 15	alkalines	Yes
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	0.1	Absolute Value	20 01 15	alkalines	Yes

Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D10	Incineration on Land	0.3	Absolute Value	20 01 15	alkalines	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.02	Absolute Value	20 01 15	alkalines	Yes
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	20.32	Absolute Value	20 01 19	pesticides	Yes
D13	Blending or mixing prior to submission to any of the operators numbered D1 to D12	3.4	Absolute Value	20 01 19	pesticides	Yes
D10	Incineration on Land	0.4	Absolute Value	20 01 19	pesticides	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.2	Absolute Value	20 01 19	pesticides	Yes
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	3.94	Absolute Value	20 01 19	pesticides	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.9	Absolute Value	20 01 21	fluorescent tubes and other mercury-containing waste	Yes
R2	Solvant reclamation/regeneration	4	Absolute Value	20 01 21	fluorescent tubes and other mercury-containing waste	Yes
R4	Recycling/reclamation of metals and metal compounds	35.3	Absolute Value	20 01 21	fluorescent tubes and other mercury-containing waste	Yes
D1	Deposit into or onto land (eg landfill, etc.)	0.21	Absolute Value	20 01 21	fluorescent tubes and other mercury-containing waste	Yes
R5	Recycling/reclamation of other inorganic materials	5	Absolute Value	20 01 21	fluorescent tubes and other mercury-containing waste	Yes

Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	4.9	Absolute Value	20 01 23	discarded equipment containing chlorofluorocarbons	Yes
R4	Recycling/reclamation of metals and metal compounds	5	Absolute Value	20 01 23	discarded equipment containing chlorofluorocarbons	Yes
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	0.5	Absolute Value	20 01 27	paint, inks, adhesives and resins containing dangerous substances	Yes
D10	Incineration on Land	0.01	Absolute Value	20 01 27	paint, inks, adhesives and resins containing dangerous substances	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	5.36	Absolute Value	20 01 27	paint, inks, adhesives and resins containing dangerous substances	Yes
R2	Solvant reclamation/regeneration	2.2	Absolute Value	20 01 27	paint, inks, adhesives and resins containing dangerous substances	Yes
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numberes D1 to D12 (eg evaporation, drying, calcination, etc.)	16	Absolute Value	20 01 29	detergents containing dangerous substances	Yes
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	194.46	Absolute Value	20 01 29	detergents containing dangerous substances	Yes
D10	Incineration on Land	0.24	Absolute Value	20 01 29	detergents containing dangerous substances	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.13	Absolute Value	20 01 29	detergents containing dangerous substances	Yes

Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
R2	Solvant reclamation/regeneration	0.35	Absolute Value	20 01 29	detergents containing dangerous substances	Yes
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	0.2	Absolute Value	20 01 29	detergents containing dangerous substances	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.1	Absolute Value	20 01 33	batteries and accumulators included in 16 06 01, 16 06 02 or 16 06 03 and unsorted batteries and accumulators containing these batteries	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	9.12	Absolute Value	20 01 35	discarded electrical and electronic equipment other than those mentioned in 20 01 21 and 20 01 23 containing hazardous components (6)	Yes
R4	Recycling/reclamation of metals and metal compounds	29.24	Absolute Value	20 01 35	discarded electrical and electronic equipment other than those mentioned in 20 01 21 and 20 01 23 containing hazardous components (6)	Yes
D10	Incineration on Land	0.1	Absolute Value	06 01 04	phosphoric and phosphorous acid	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.5	Absolute Value	06 04 03	wastes containing arsenic	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.01	Absolute Value	06 04 04	wastes containing mercury	Yes
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	5	Absolute Value	07 01 01	aqueous washing liquids and mother liquors	Yes

Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	0.7	Absolute Value	07 02 14	wastes from additives containing dangerous substances	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	36.12	Absolute Value	08 01 11	waste paint and varnish containing organic solvents or other dangerous substances	Yes
R2	Solvant reclamation/regeneration	87.28	Absolute Value	08 01 11	waste paint and varnish containing organic solvents or other dangerous substances	Yes
D10	Incineration on Land	0.2	Absolute Value	08 01 11	waste paint and varnish containing organic solvents or other dangerous substances	Yes
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	334.29	Absolute Value	08 01 11	waste paint and varnish containing organic solvents or other dangerous substances	Yes
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numberes D1 to D12 (eg evaporation, drying, calcination, etc.)	116.76	Absolute Value	08 01 11	waste paint and varnish containing organic solvents or other dangerous substances	Yes
D13	Blending or mixing prior to submission to any of the operators numbered D1 to D12	0.58	Absolute Value	08 01 11	waste paint and varnish containing organic solvents or other dangerous substances	Yes
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	23.12	Absolute Value	08 01 11	waste paint and varnish containing organic solvents or other dangerous substances	Yes
R4	Recycling/reclamation of metals and metal compounds	13.91	Absolute Value	08 01 11	waste paint and varnish containing organic solvents or other dangerous substances	Yes
R2	Solvant reclamation/regeneration	4.4	Absolute Value	08 01 13	sludges from paint or varnish containing organic solvents or other dangerous substances	Yes

Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numberes D1 to D12 (eg evaporation, drying, calcination, etc.)	1.2	Absolute Value	08 01 13	sludges from paint or varnish containing organic solvents or other dangerous substances	Yes
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	0.4	Absolute Value	08 01 13	sludges from paint or varnish containing organic solvents or other dangerous substances	Yes
R2	Solvant reclamation/regeneration	10.43	Absolute Value	08 01 15	aqueous sludges containing paint or varnish containing organic solvents or other dangerous substances	Yes
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	1.23	Absolute Value	08 01 15	aqueous sludges containing paint or varnish containing organic solvents or other dangerous substances	Yes
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	1.8	Absolute Value	08 01 15	aqueous sludges containing paint or varnish containing organic solvents or other dangerous substances	Yes
R4	Recycling/reclamation of metals and metal compounds	0.72	Absolute Value	08 01 15	aqueous sludges containing paint or varnish containing organic solvents or other dangerous substances	Yes
R2	Solvant reclamation/regeneration	0.03	Absolute Value	08 01 17	wastes from paint or varnish removal containing organic solvents or other dangerous substances	Yes
R2	Solvant reclamation/regeneration	65.1	Absolute Value	08 03 12	waste ink containing dangerous substances	Yes
D10	Incineration on Land	0.01	Absolute Value	08 03 12	waste ink containing dangerous substances	Yes

Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	22.6	Absolute Value	08 03 12	waste ink containing dangerous substances	Yes
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numberes D1 to D12 (eg evaporation, drying, calcination, etc.)	0.6	Absolute Value	08 03 12	waste ink containing dangerous substances	Yes
D13	Blending or mixing prior to submission to any of the operators numbered D1 to D12	1.73	Absolute Value	08 03 12	waste ink containing dangerous substances	Yes
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	19	Absolute Value	08 03 12	waste ink containing dangerous substances	Yes
R4	Recycling/reclamation of metals and metal compounds	0.1	Absolute Value	08 03 12	waste ink containing dangerous substances	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	2.77	Absolute Value	08 04 09	waste adhesives and sealants containing organic solvents or other dangerous substances	Yes
R2	Solvant reclamation/regeneration	0.68	Absolute Value	08 04 09	waste adhesives and sealants containing organic solvents or other dangerous substances	Yes
D10	Incineration on Land	0.43	Absolute Value	08 04 09	waste adhesives and sealants containing organic solvents or other dangerous substances	Yes
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	1.3	Absolute Value	08 04 09	waste adhesives and sealants containing organic solvents or other dangerous substances	Yes
D13	Blending or mixing prior to submission to any of the operators numbered D1 to D12	0.15	Absolute Value	08 04 09	waste adhesives and sealants containing organic solvents or other dangerous substances	Yes

Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
R4	Recycling/reclamation of metals and metal compounds	0.02	Absolute Value	08 04 09	waste adhesives and sealants containing organic solvents or other dangerous substances	Yes
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	0.2	Absolute Value	08 04 11	adhesive and sealant sludges containing organic solvents or other dangerous substances	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	9.39	Absolute Value	08 05 01	waste isocyanates	Yes
D10	Incineration on Land	0.01	Absolute Value	08 05 01	waste isocyanates	Yes
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	19.17	Absolute Value	08 05 01	waste isocyanates	Yes
R4	Recycling/reclamation of metals and metal compounds	0.8	Absolute Value	08 05 01	waste isocyanates	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.1	Absolute Value	09 01 01	water-based developer and activator solutions	Yes
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	0.1	Absolute Value	09 01 04	fixer solutions	Yes

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

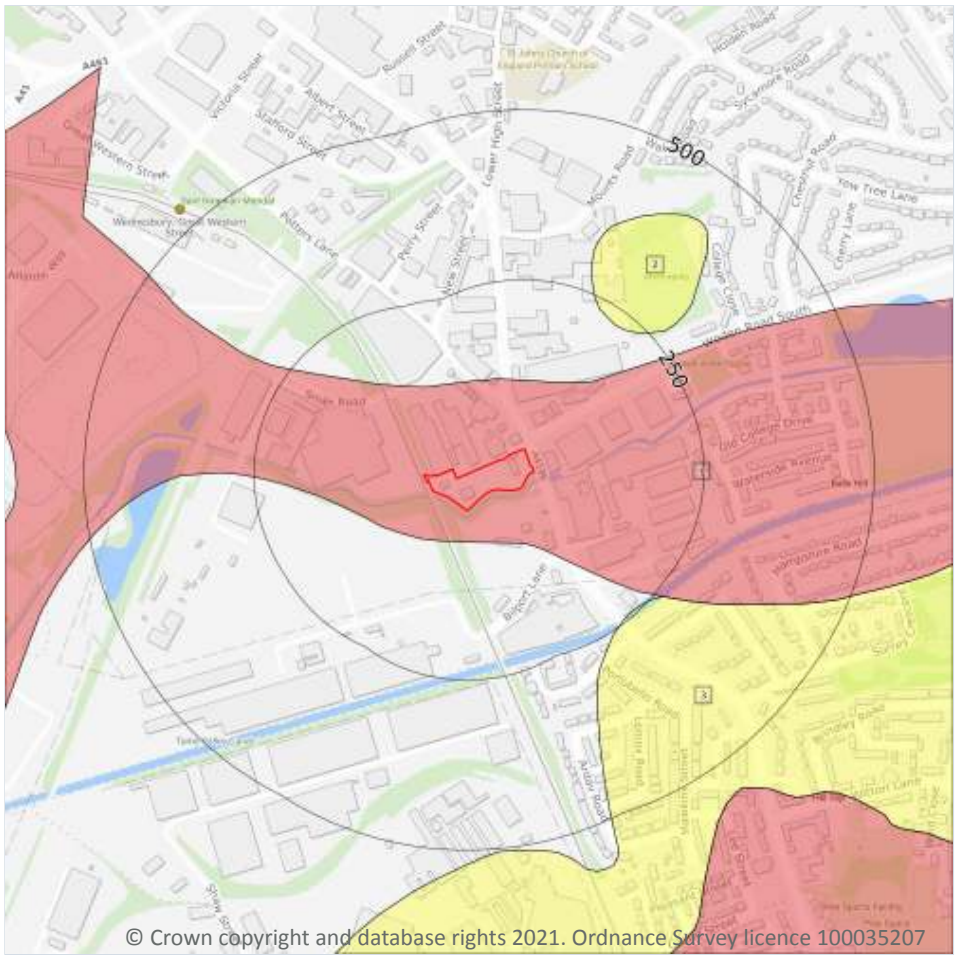
4.21 Pollution inventory radioactive waste

Records within 500m	**0**

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

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

5 Hydrogeology - Superficial aquifer



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.

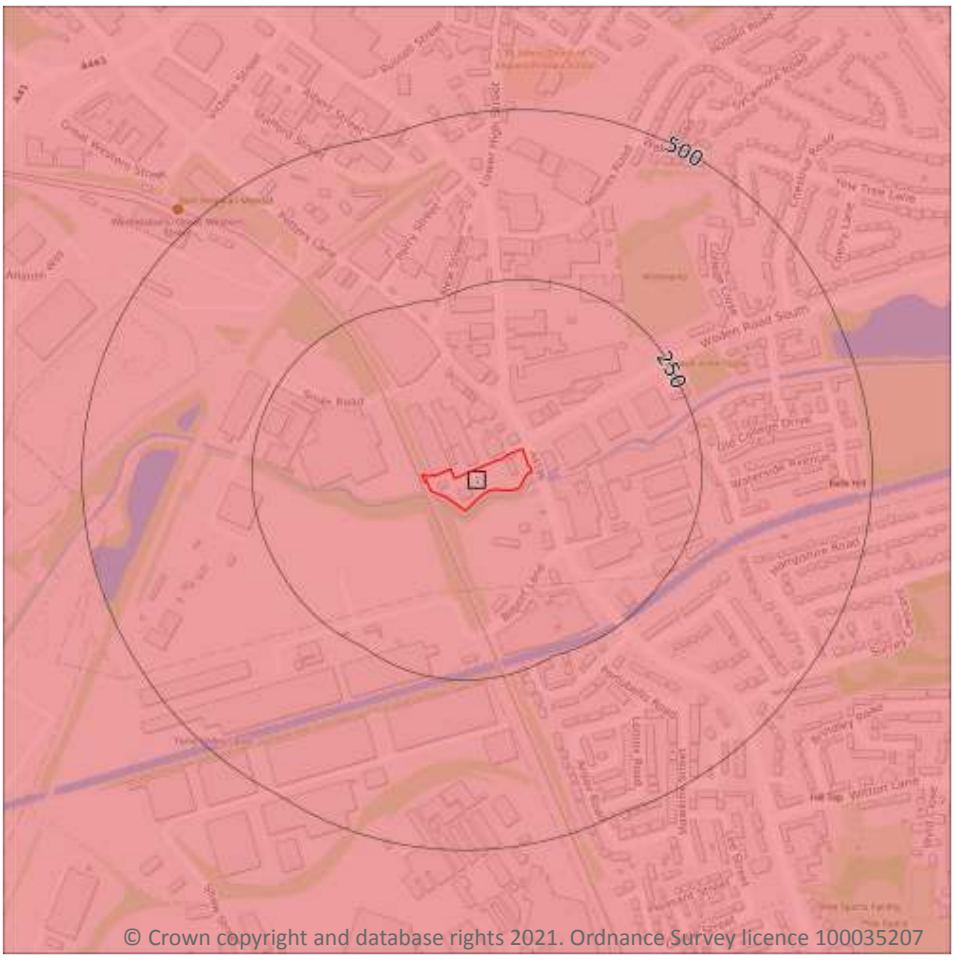
Features are displayed on the Hydrogeology map on **page 130**

ID	Location	Designation	Description
1	**On site**	**Secondary A**	**Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers**
2	227m NE	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type

ID	Location	Designation	Description
3	244m SE	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

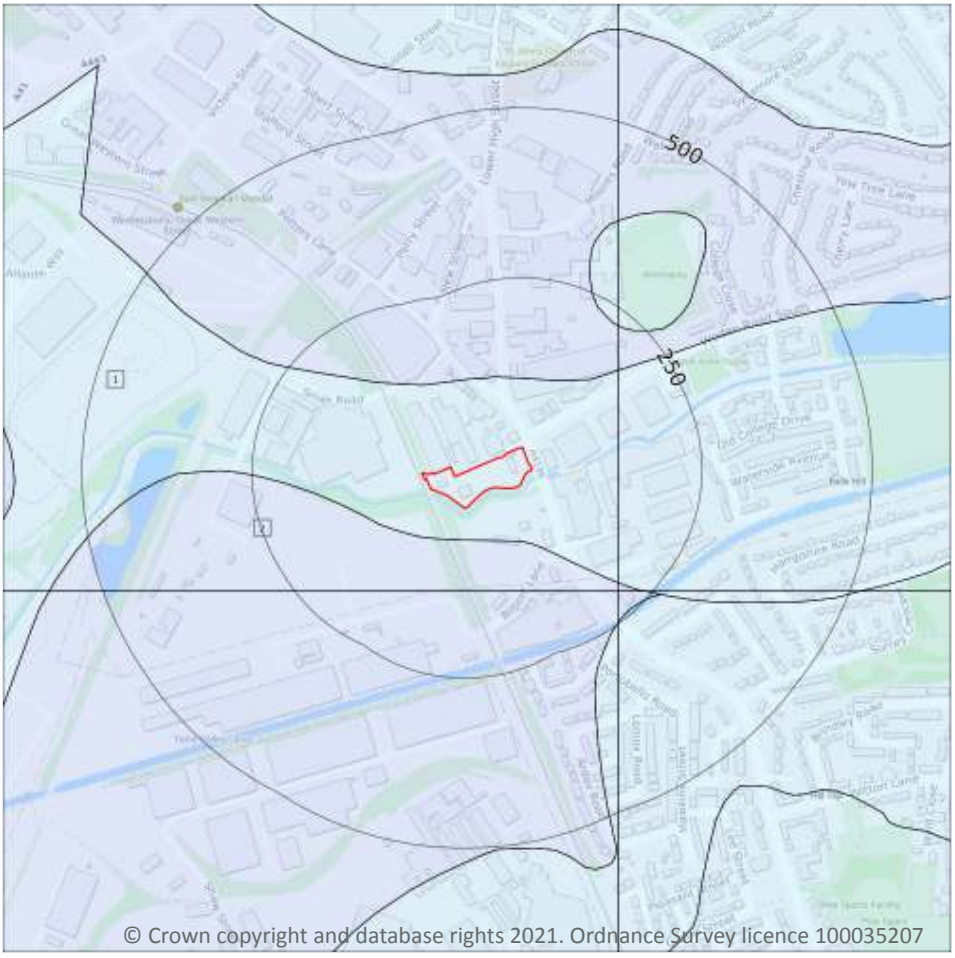
Aquifer status of groundwater held within bedrock geology.

Features are displayed on the Bedrock aquifer map on **page 132**

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 133**

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	**On site**	**Summary Classification: Secondary superficial aquifer - Low Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer**	**Leaching class: Low Infiltration value: <40% Dilution value: 300-550mm/year**	**Vulnerability: Low Aquifer type: Secondary Thickness: 3-10m Patchiness value: >90% Recharge potential: Low**	**Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures**
2	47m S	Summary Classification: Secondary bedrock aquifer - Low Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: <40% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: 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	5

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 135**

ID	Location	Details	
A	536m S	Status: Historical Licence No: 03/28/08/0111 Details: Non-Evaporative Cooling Direct Source: Groundwater Midlands Region Point: BROCKHOUSE FORGINGS PREMISES,WEST BROMWICH - BOREHOLE Data Type: Point Name: BROCKHOUSE FORGINGS LTD Easting: 398900 Northing: 293600	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 17/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/05/1984 Version End Date: -
A	536m S	Status: Historical Licence No: 03/28/08/0111 Details: Process water Direct Source: Groundwater Midlands Region Point: BROCKHOUSE FORGINGS PREMISES,WEST BROMWICH - BOREHOLE Data Type: Point Name: BROCKHOUSE FORGINGS LTD Easting: 398900 Northing: 293600	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 17/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/05/1984 Version End Date: -
-	1238m SW	Status: Active Licence No: MD/028/0008/010 Details: Process Water Direct Source: Groundwater Midlands Region Point: HARVILLS HAWTHORN BOREHOLE 2 Data Type: Point Name: Ervin Amasteel UK Ltd Easting: 398236 Northing: 293007	Annual Volume (m^3): 78,624 Max Daily Volume (m^3): 216 Original Application No: - Original Start Date: 01/04/2014 Expiry Date: 31/03/2026 Issue No: 2 Version Start Date: 23/06/2017 Version End Date: -
-	1248m SW	Status: Historical Licence No: MD/028/0008/003 Details: Process Water Direct Source: Groundwater Midlands Region Point: HARVILLS HAWTHORN BOREHOLE Data Type: Point Name: Ervin Amasteel UK Ltd Easting: 398240 Northing: 292994	Annual Volume (m^3): 36500 Max Daily Volume (m^3): 100 Original Application No: - Original Start Date: 04/12/2009 Expiry Date: 31/03/2014 Issue No: 2 Version Start Date: 04/12/2009 Version End Date: -
-	1248m SW	Status: Historical Licence No: MD/028/0008/010 Details: Process Water Direct Source: Groundwater Midlands Region Point: HARVILLS HAWTHORN BOREHOLE Data Type: Point Name: Ervin Amasteel UK Ltd Easting: 398240 Northing: 292994	Annual Volume (m^3): 36500 Max Daily Volume (m^3): 100 Original Application No: - Original Start Date: 01/04/2014 Expiry Date: 31/03/2026 Issue No: 1 Version Start Date: 01/04/2014 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.

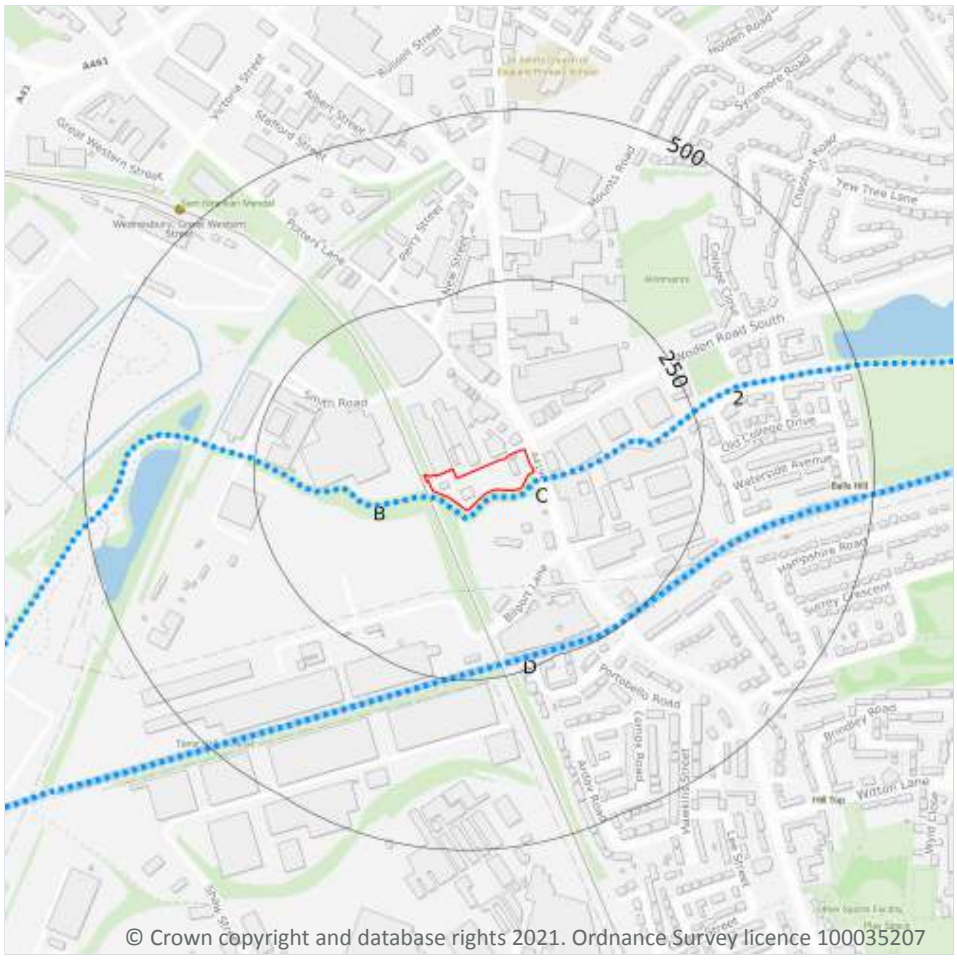
5.10 Source Protection Zones (confined aquifer)

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	**4**

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

Features are displayed on the Hydrology map on **page 138**

ID	Location	Type of water feature	Ground level	Permanence	Name
B	8m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Tame

ID	Location	Type of water feature	Ground level	Permanence	Name
2	11m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Tame
C	11m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
D	231m S	Canal. A manmade watercourse for inland navigation.	On ground surface	Watercourse contains water year round (in normal circumstances)	Tame Valley Canal

This data is sourced from the Ordnance Survey.

6.2 Surface water features

Records within 250m	**7**

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

Features are displayed on the Hydrology map on **page 138**

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 138**

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
A	**On site**	**River WB catchment**	**Tame (Oldbury Arm) - source to conf R Tame (Wton Arm)**	**GB104028042601**	**Tame Upper Rivers**	**Tame Anker and Mease**

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

6.4 WFD Surface water bodies

Records identified	2

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

Features are displayed on the Hydrology map on **page 138**

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
1	8m SW	River	Tame (Oldbury Arm) - source to conf R Tame (Wton Arm)	GB104028042601	Moderate	Fail	Moderate	2016
D	232m S	Canal	Tame Valley Canal	GB70410514	Good	Good	Good	2016

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

6.5 WFD Groundwater bodies

Records on site	1

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

Features are displayed on the Hydrology map on **page 138**

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**	**2015**

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

7 River and coastal flooding

Site Outline

Search buffers in metres (m)

Environment Agency river and coastal flooding:

- High
- Medium
- Low
- Very Low
- Historical Flood Events
- Areas Used for Flood Storage
- Areas Benefiting from Flood Defences
- Flood Defences

7.1 Risk of Flooding from Rivers and Sea (RoFRaS)

Records within 50m	15

The chance of flooding from rivers and/or the sea in any given year, based on cells of 50m. Each cell is allocated one of four flood risk categories, taking into account flood defences and their condition; Very low (less than 1 in 1000 chance in any given year), Low (less than 1 in 100 but greater than or equal to 1 in 1000 chance), Medium (less than 1 in 30 but greater than or equal to 1 in 100 chance) or High (greater than or equal to 1 in 30 chance).

Features are displayed on the River and coastal flooding map on **page 141**

Distance	RoFRaS flood risk
On site	**High**
0 - 50m	High

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

7.2 Historical Flood Events

Records within 250m	0

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

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

7.3 Flood Defences

Records within 250m	3

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.

Features are displayed on the River and coastal flooding map on **page 141**

ID	Location	Update
B	28m SE	25/05/2021
C	57m E	25/05/2021
C	59m E	25/05/2021

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

7.4 Areas Benefiting from Flood Defences

Records within 250m	0

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

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

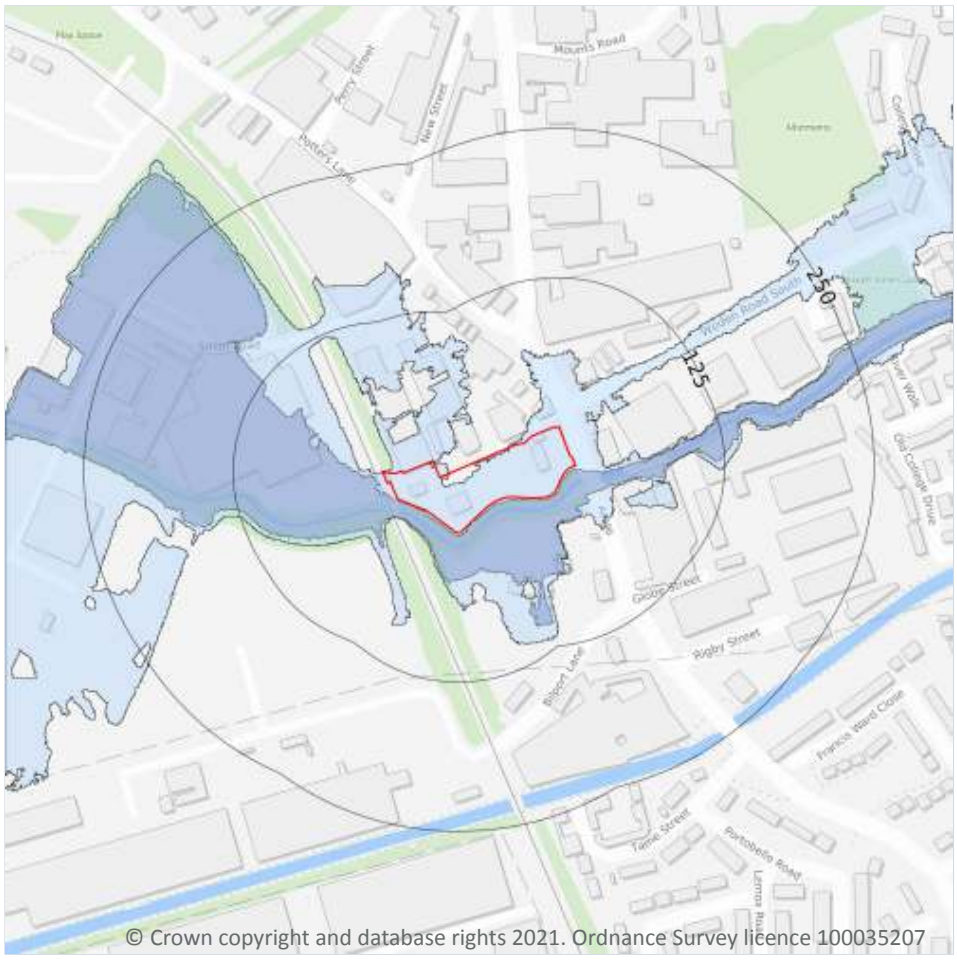
7.5 Flood Storage Areas

Records within 250m	0

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

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

River and coastal flooding - Flood Zones



Site Outline

Search buffers in metres (m)

Flood zone 2

Flood zone 3

7.6 Flood Zone 2

Records within 50m	1

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

Features are displayed on the River and coastal flooding map on **page 141**

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

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

7.7 Flood Zone 3

Records within 50m	1

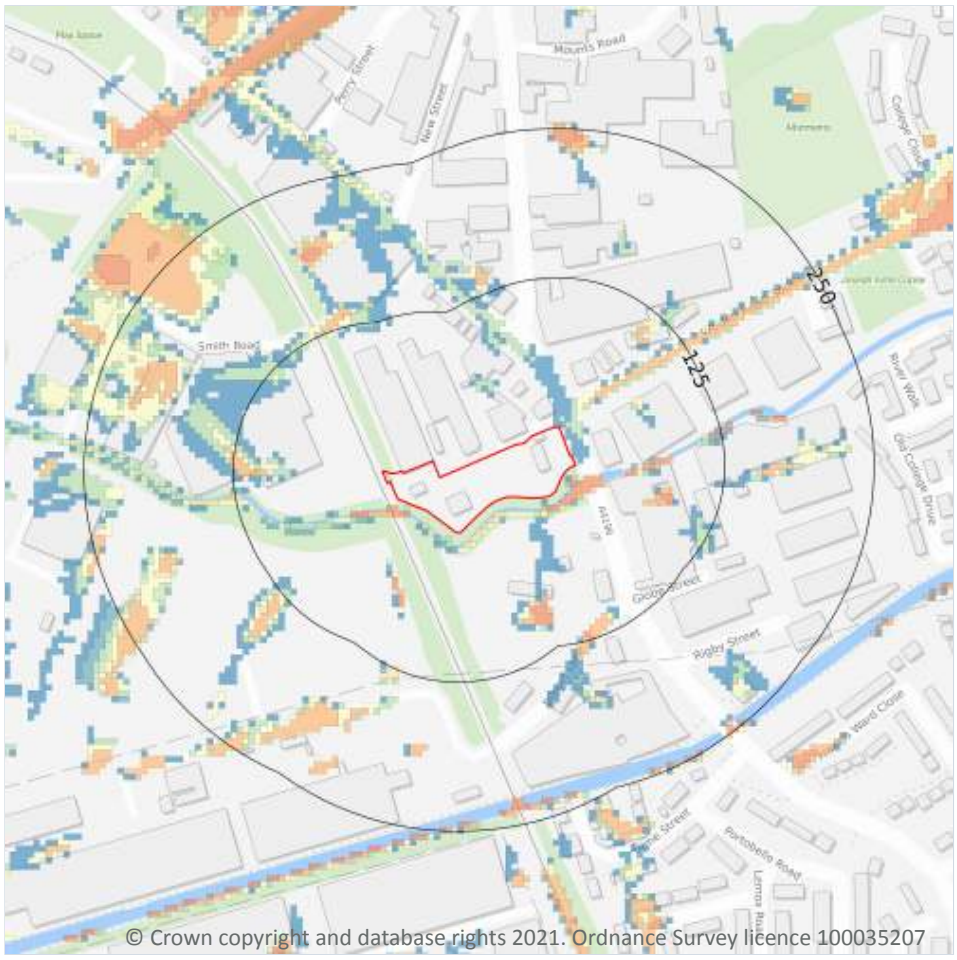
Areas of land at risk of flooding, when the presence of flood defences are ignored. Covering land with a 1 in 100 (1%) or greater chance of flooding each year from rivers or a 1 in 200 (0.5%) or greater chance of flooding each year from the sea.

Features are displayed on the River and coastal flooding map on **page 141**

Location	Type
On site	**Zone 3 - (Fluvial Models)**

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 1000 year, 0.1m - 0.3m**
Highest risk within 50m	**1 in 30 year, 0.3m - 1.0m**

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

Features are displayed on the Surface water flooding map on **page 146**

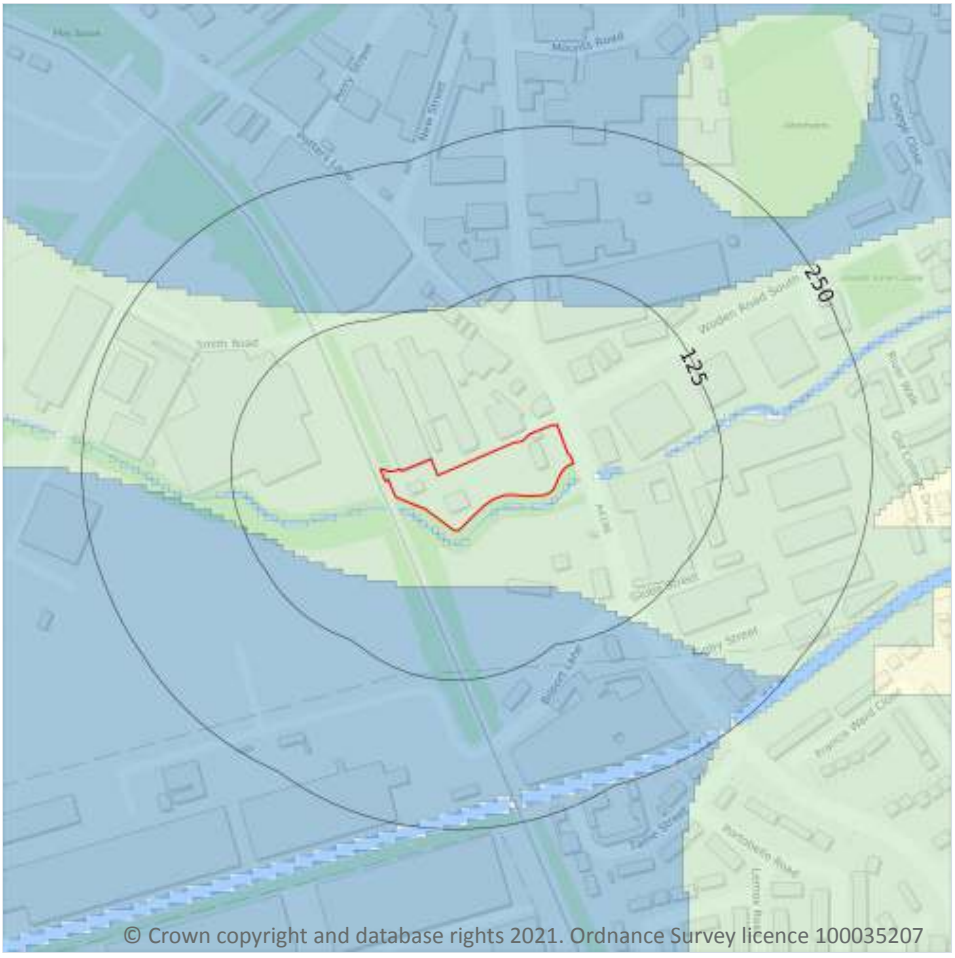
The data shown on the map and in the table above shows the highest likelihood of flood events happening at the site. Lower likelihood events may have greater flood depths and hence a greater potential impact on a site.

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

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

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 148**

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	1

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

Features are displayed on the Environmental designations map on **page 149**

ID	Location	Name	Data source
-	1725m NW	Moorcroft Wood	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

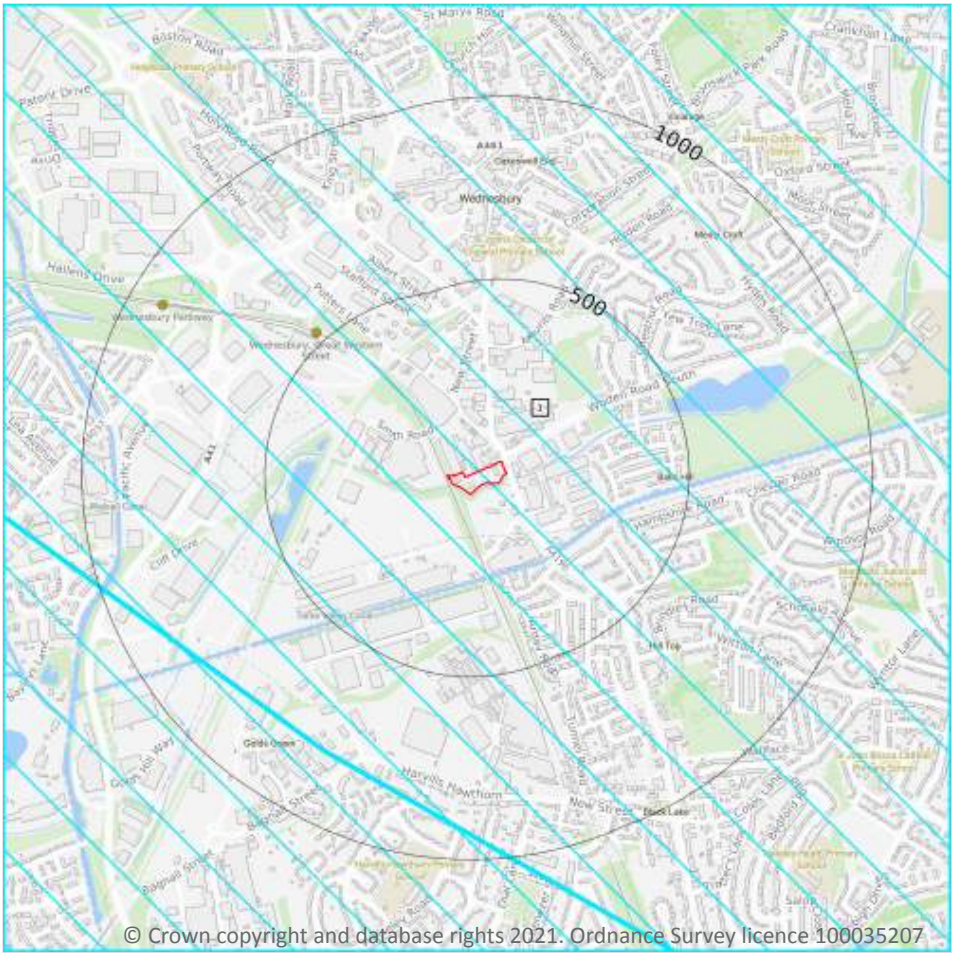
Records within 2000m	2

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**	**S308**	**Changed**
1773m N	River Trent (source to confluence with Derwent)	Surface Water	S308	Changed

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 154**

ID	Location	Type of developments requiring consultation
1	**On site**	**Infrastructure - Airports, helipads and other aviation proposals. Air pollution - Livestock & poultry units with floorspace > 500m², slurry lagoons > 4000m². Combustion - General combustion processes >50MW energy input. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion**

This data is sourced from Natural England.

10.18 SSSI Units

Records within 2000m	0

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

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

11 Visual and cultural designations

11.1 World Heritage Sites

Records within 250m	0

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

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

11.2 Area of Outstanding Natural Beauty

Records within 250m	0

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

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

11.3 National Parks

Records within 250m	0

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

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

11.4 Listed Buildings

Records within 250m	0

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

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

11.5 Conservation Areas

Records within 250m	0

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

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

11.6 Scheduled Ancient Monuments

Records within 250m	0

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

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

11.7 Registered Parks and Gardens

Records within 250m	0

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

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

12 Agricultural designations

Site Outline

Search buffers in metres (m)

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

12.1 Agricultural Land Classification

Records within 250m	1

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

Features are displayed on the Agricultural designations map on **page 158**

ID	Location	Classification	Description
1	**On site**	**Urban**	-

This data is sourced from Natural England.

12.2 Open Access Land

Records within 250m	0

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

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

12.3 Tree Felling Licences

Records within 250m	0

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

This data is sourced from the Forestry Commission.

12.4 Environmental Stewardship Schemes

Records within 250m	0

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

This data is sourced from Natural England.

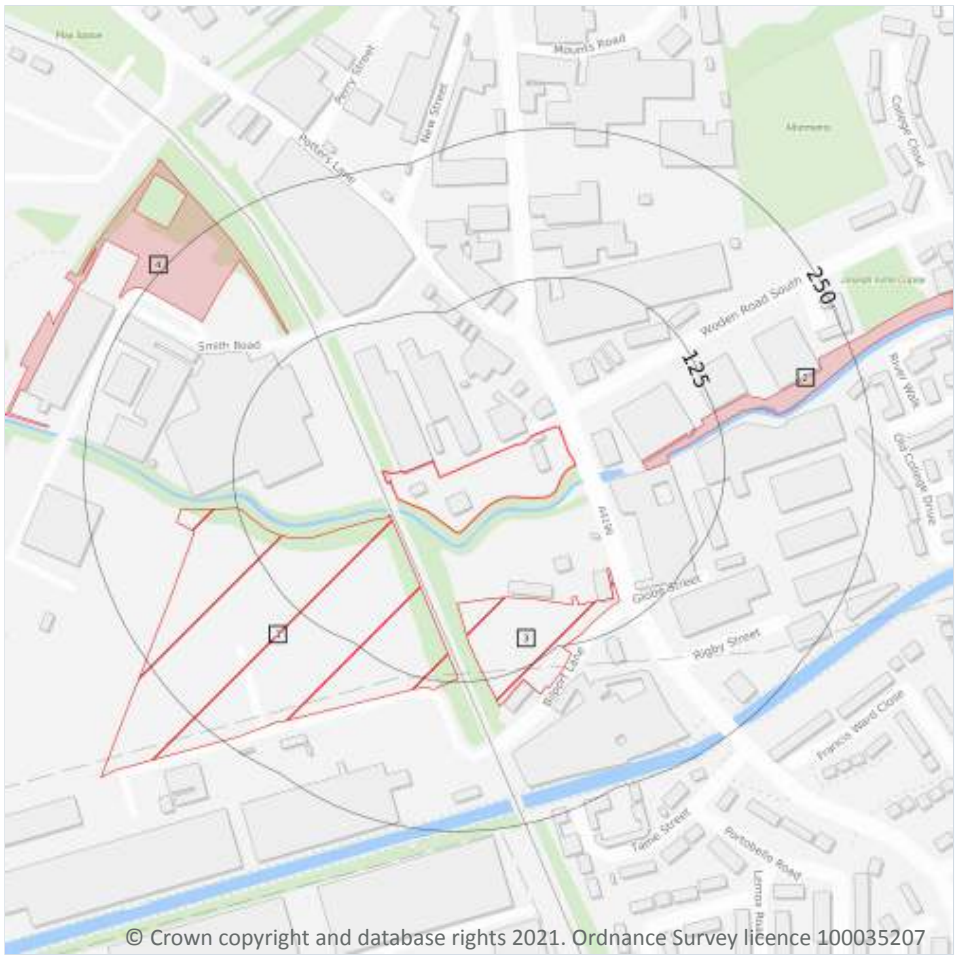
12.5 Countryside Stewardship Schemes

Records within 250m	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	**2**

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 160**

ID	Location	Main Habitat	Other habitats
2	56m E	Coastal and floodplain grazing marsh	Main habitat: CFPGM (INV > 50%)
4	140m NW	Coastal and floodplain grazing marsh	Main habitat: CFPGM (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 160**

ID	Location	Site reference	Identification confidence	Primary source	Secondary source	Tertiary source
1	15m SW	NLUD Ref: 462000499; HLD ref: EAHLD35726	Low	National Land Use Database - Previously Developed Land	UK Perspectives Aerial Photography	Environment Agency Historic Landfill Sites
3	58m S	NLUD Ref: 462000578	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

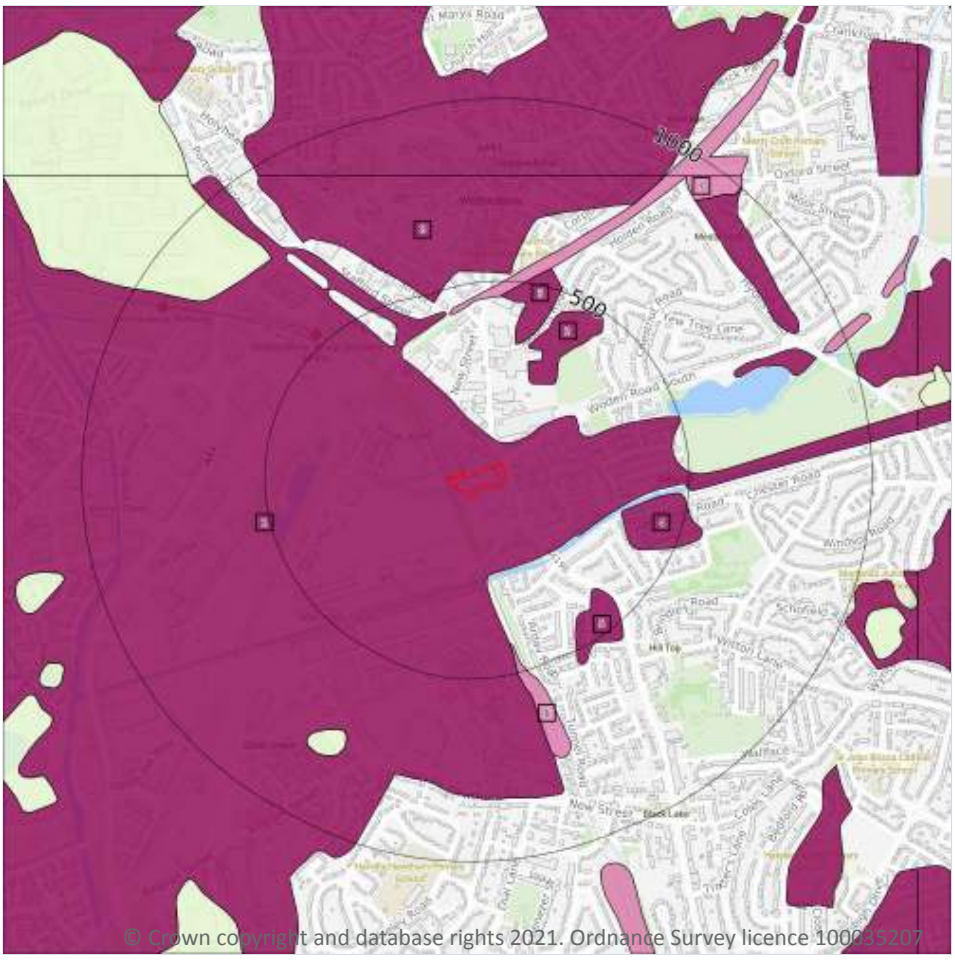
An indication on the coverage of 1:10,000 scale geology data for the site, the most detailed dataset provided by the British Geological Survey. Either 'Full', 'Partial' or 'No coverage' for each geological theme.

Features are displayed on the Geology 1:10,000 scale - Availability map on **page 162**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	**On site**	**Full**	**Full**	**Full**	**No coverage**	**SO99SE**

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 **8**

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.

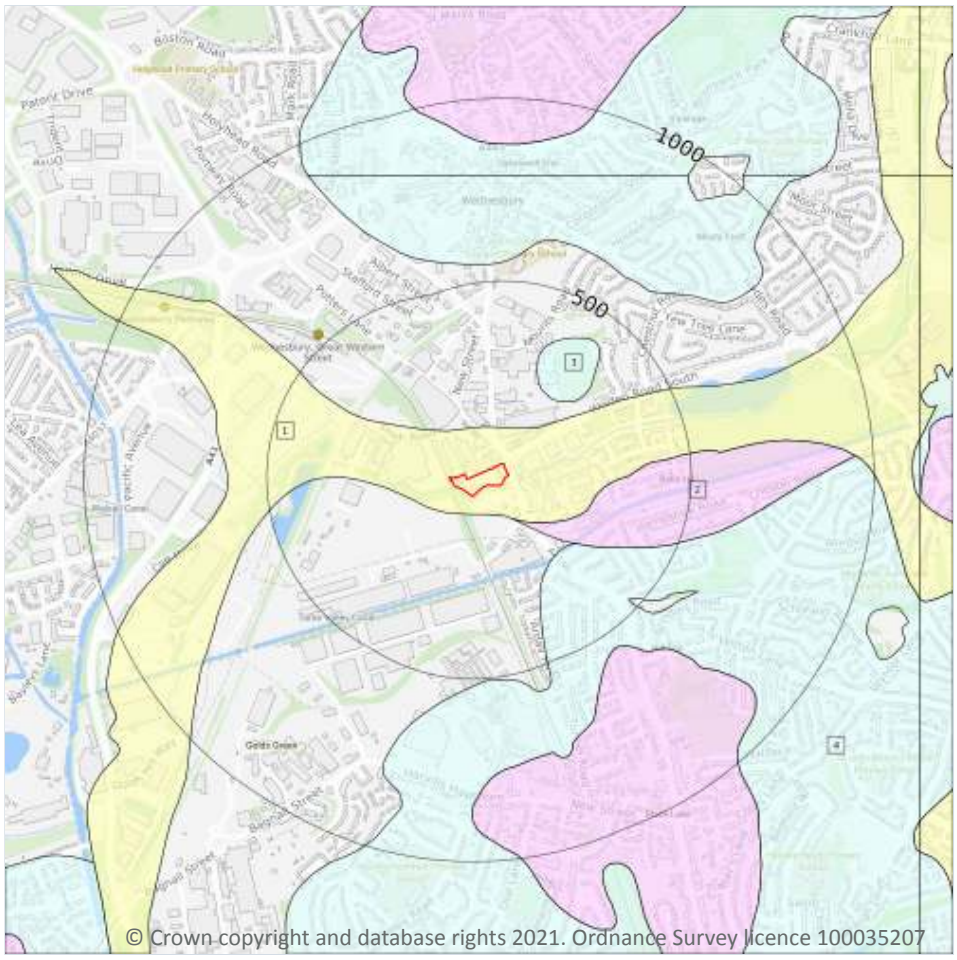
Features are displayed on the Geology 1:10,000 scale - Artificial and made ground map on **page 163**

ID	Location	LEX Code	Description	Rock description
1	**On site**	**MGR-ARTDP**	**Made Ground (Undivided)**	**Artificial Deposit**
2	235m N	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
3	329m N	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
4	331m E	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit

ID	Location	LEX Code	Description	Rock description
5	384m SE	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
6	416m S	WGR-VOID	Worked Ground (Undivided)	Void
7	428m N	WGR-VOID	Worked Ground (Undivided)	Void
8	476m N	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 **4**

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 165**

ID	Location	LEX Code	Description	Rock description
1	**On site**	**ALV-XCZ**	**Alluvium - Clay And Silt**	**Clay And Silt**
2	98m S	GFDU-XSV	Glaciofluvial Deposits - Sand And Gravel	Sand And Gravel
3	221m NE	TILL-DMTN	Till - Diamicton	Diamicton
4	242m SE	TILL-DMTN	Till - Diamicton	Diamicton

This data is sourced from the British Geological Survey.

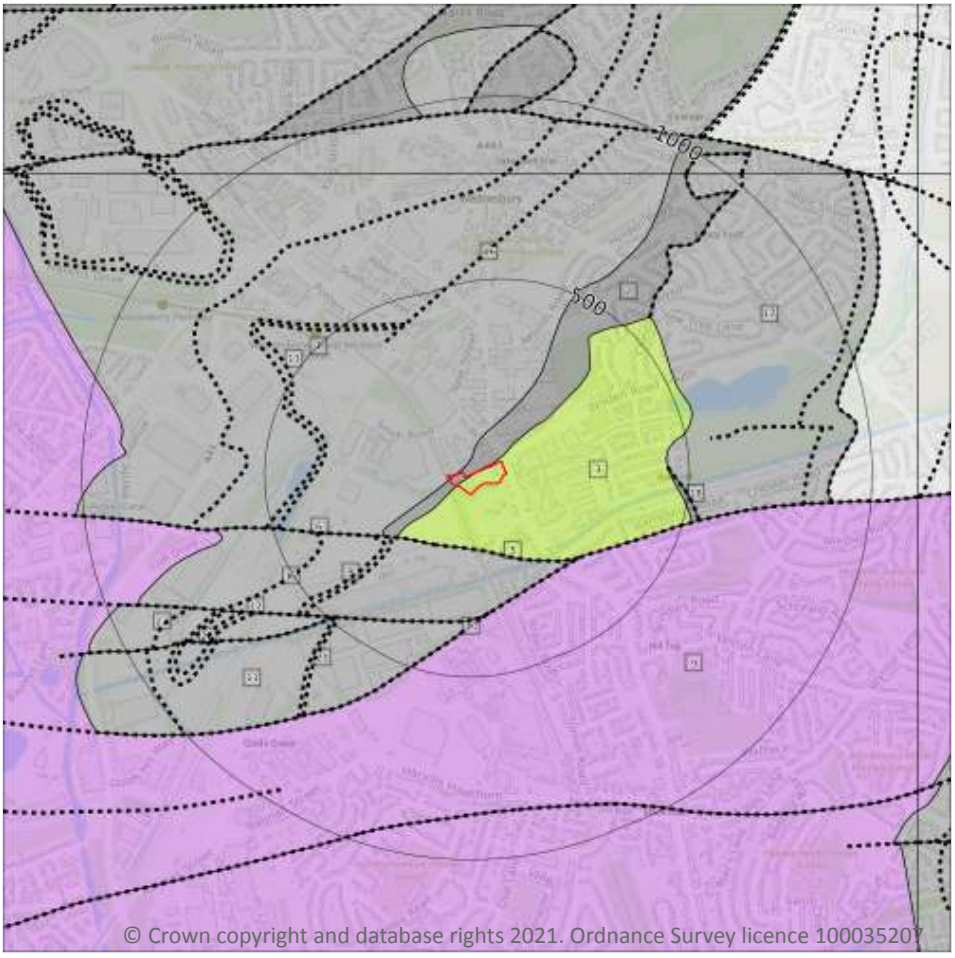
14.4 Landslip (10k)

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 **9**

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 167**

ID	Location	LEX Code	Description	Rock age
1	**On site**	**PMCM-MDSS**	**Pennine Middle Coal Measures Formation - Mudstone, Siltstone And Sandstone**	**Bolsovian Sub-age - Duckmantian Sub-age**
2	**On site**	**THIC-COAL**	**Thick Coal (south Staffordshire) - Coal**	**Duckmantian Sub-age**
3	**On site**	**PCM-SDST**	**Pennine Coal Measures Group - Sandstone**	**Westphalian D Sub-age - Langsettian Sub-age**

ID	Location	LEX Code	Description	Rock age
4	148m S	PMCM-MDSS	Pennine Middle Coal Measures Formation - Mudstone, Siltstone And Sandstone	Bolsovian Sub-age - Duckmantian Sub-age
9	289m SE	ETM-STMD	Etruria Formation - Sandstone And Mudstone	Westphalian Age
11	328m S	PMCM-MDSS	Pennine Middle Coal Measures Formation - Mudstone, Siltstone And Sandstone	Bolsovian Sub-age - Duckmantian Sub-age
17	439m E	PMCM-MDSS	Pennine Middle Coal Measures Formation - Mudstone, Siltstone And Sandstone	Bolsovian Sub-age - Duckmantian Sub-age
18	442m E	THIC-COAL	Thick Coal (south Staffordshire) - Coal	Duckmantian Sub-age
23	486m SW	PMCM-MDSS	Pennine Middle Coal Measures Formation - Mudstone, Siltstone And Sandstone	Bolsovian Sub-age - Duckmantian Sub-age

This data is sourced from the British Geological Survey.

14.6 Bedrock faults and other linear features (10k)

Records within 500m	**14**

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 167**

ID	Location	Category	Description
5	148m S	FAULT	Normal fault, observed; crossmark on downthrow side
6	167m SW	FAULT	Normal fault, inferred; crossmarks on downthrow side
7	227m SW	FOSSIL_HORIZON	Fossil horizon, marine band
8	246m SW	ROCK	Coal seam, inferred
10	289m SE	FAULT	Normal fault, observed; crossmark on downthrow side
12	328m S	FAULT	Normal fault, inferred; crossmarks on downthrow side
13	340m W	FOSSIL_HORIZON	Fossil horizon, marine band
14	353m W	ROCK	Coal seam, inferred
15	387m SW	ROCK	Coal seam, inferred
16	403m NW	FAULT	Normal fault, inferred; crossmarks on downthrow side
19	442m E	ROCK	Coal seam, inferred

ID	Location	Category	Description
20	479m SW	FOSSIL_HORIZON	Fossil horizon, marine band
21	485m SW	ROCK	Coal seam, inferred
22	486m SW	FAULT	Normal fault, inferred; crossmarks 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	1

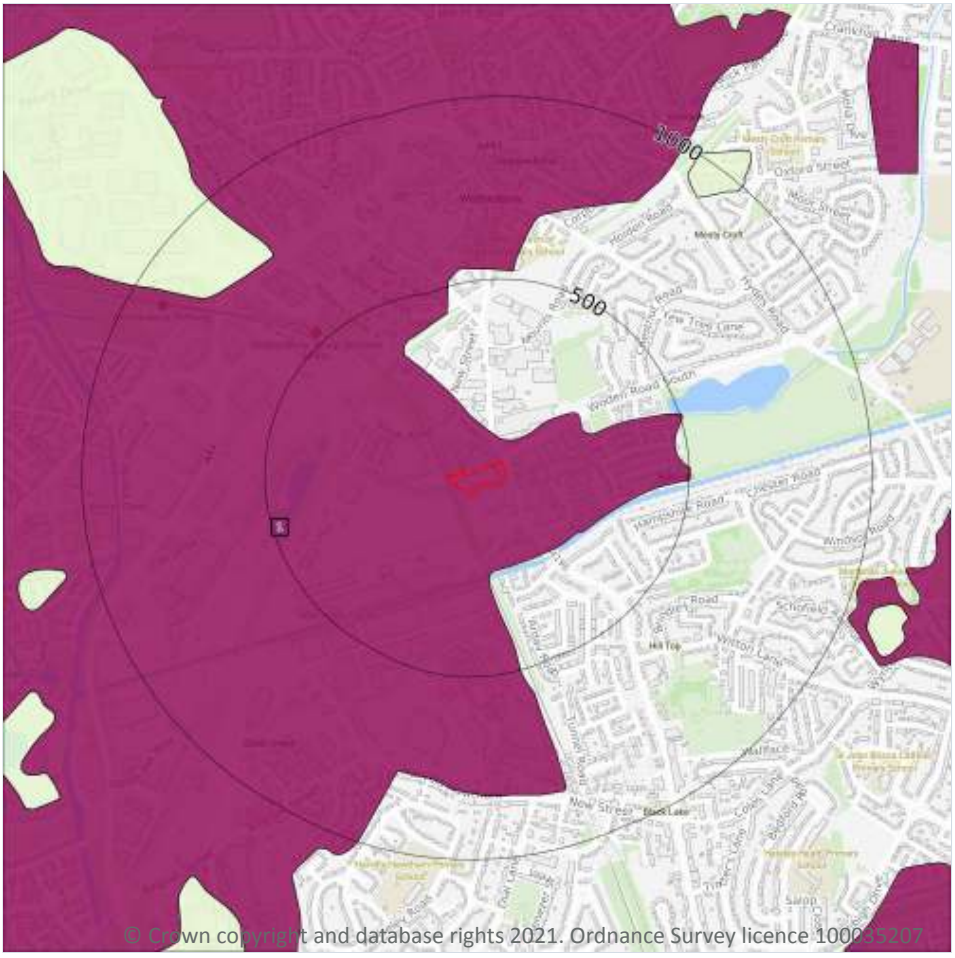
An indication on the coverage of 1:50,000 scale geology data for the site. Either 'Full' or 'No coverage' for each geological theme.

Features are displayed on the Geology 1:50,000 scale - Availability map on **page 170**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	**On site**	**Full**	**Full**	**Full**	**Full**	**EW168_birmingham_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	1

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 171**

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

This data is sourced from the British Geological Survey.

15.3 Artificial ground permeability (50k)

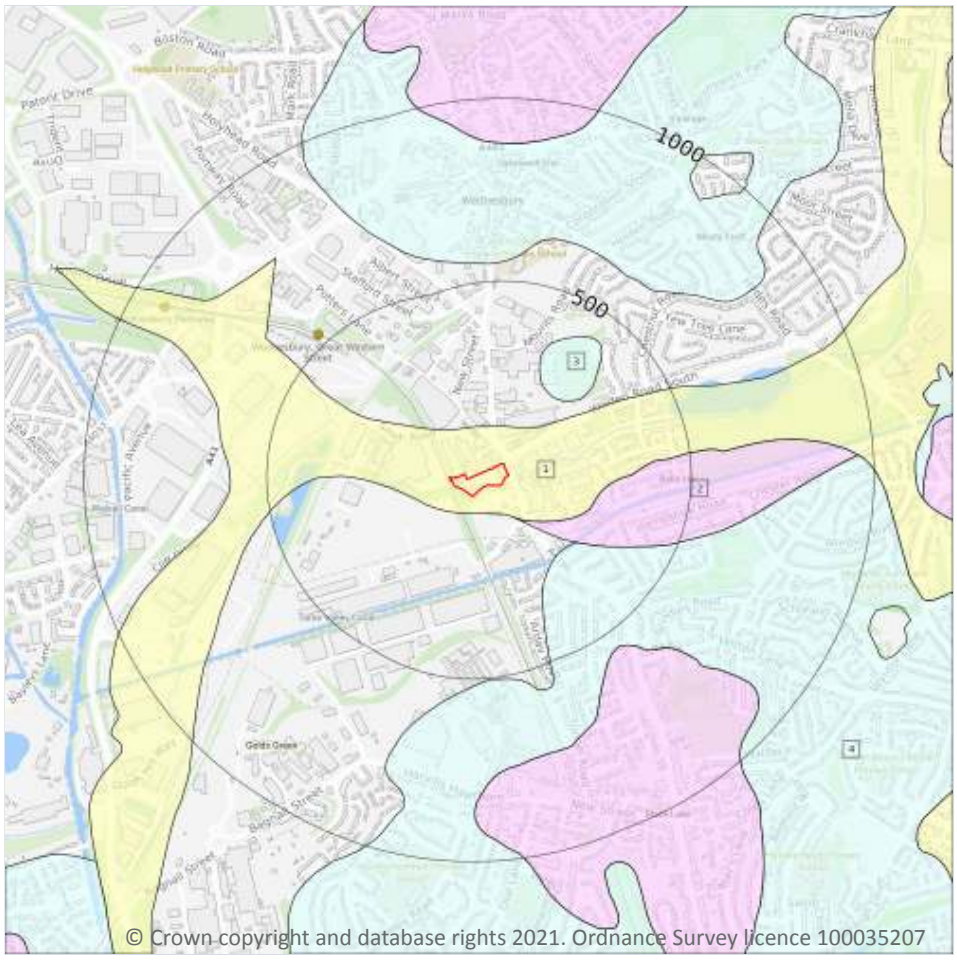
Records within 50m	1

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 **4**

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

Features are displayed on the Geology 1:50,000 scale - Superficial map on **page 173**

ID	Location	LEX Code	Description	Rock description
1	**On site**	**ALV-XCZSV**	**ALLUVIUM**	**CLAY, SILT, SAND AND GRAVEL**
2	98m SE	GFDUD-XSV	GLACIOFLUVIAL DEPOSITS, DEVENSIAN	SAND AND GRAVEL
3	227m NE	TILMP-DMTN	TILL, MID PLEISTOCENE	DIAMICTON

ID	Location	LEX Code	Description	Rock description
4	244m SE	TILMP-DMTN	TILL, MID PLEISTOCENE	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	**Intergranular**	**High**	**Very Low**

This data is sourced from the British Geological Survey.

15.6 Landslip (50k)

Records within 500m	**0**

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

This data is sourced from the British Geological Survey.

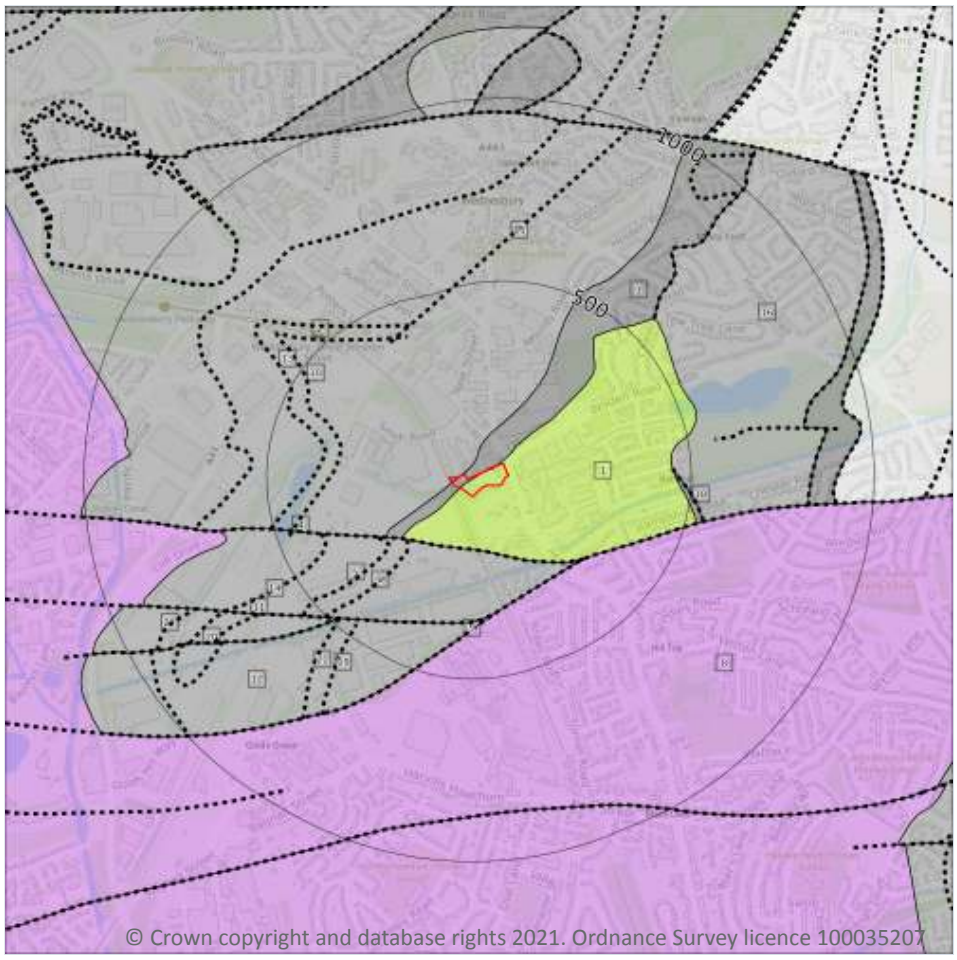
15.7 Landslip permeability (50k)

Records within 50m	**0**

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

This data is sourced from the British Geological Survey.

Geology 1:50,000 scale - Bedrock



Site Outline

Search buffers in metres (m)

Bedrock faults and other linear features (50k)

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

15.8 Bedrock geology (50k)

Records within 500m **9**

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 175**

ID	Location	LEX Code	Description	Rock age
1	On site	PMCM-SDST	PENNINE MIDDLE COAL MEASURES FORMATION - SANDSTONE	WESTPHALIAN
2	On site	PMCM-MDSS	PENNINE MIDDLE COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
3	On site	THIC-COAL	THICK COAL (SOUTH STAFFORDSHIRE) - COAL	WESTPHALIAN

ID	Location	LEX Code	Description	Rock age
5	145m S	PMCM-MDSS	PENNINE MIDDLE COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
8	290m SE	ETM-MDSC	ETRURIA FORMATION - MUDSTONE, SANDSTONE AND CONGLOMERATE	WESTPHALIAN
12	327m S	PMCM-MDSS	PENNINE MIDDLE COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
16	446m E	PMCM-MDSS	PENNINE MIDDLE COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
18	449m E	THIC-COAL	THICK COAL (SOUTH STAFFORDSHIRE) - COAL	WESTPHALIAN
22	479m SW	PMCM-MDSS	PENNINE MIDDLE COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN

This data is sourced from the British Geological Survey.

15.9 Bedrock permeability (50k)

Records within 50m **3**

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

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

This data is sourced from the British Geological Survey.

15.10 Bedrock faults and other linear features (50k)

Records within 500m **13**

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.

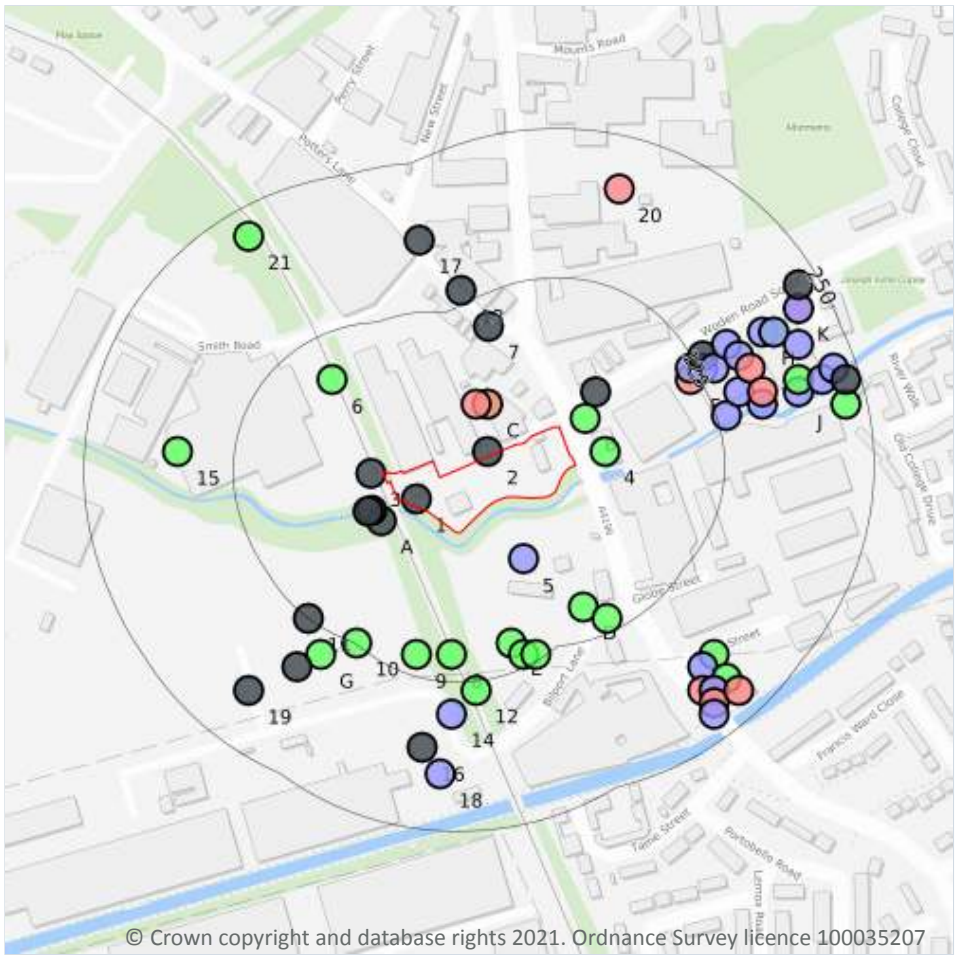
Features are displayed on the Geology 1:50,000 scale - Bedrock map on **page 175**

ID	Location	Category	Description
4	145m S	FAULT	Fault, inferred

ID	Location	Category	Description
6	197m SW	FOSSIL_HORIZON	Marine band
7	240m SW	ROCK	Coal seam, inferred
9	290m SE	FAULT	Fault, inferred
10	306m W	FOSSIL_HORIZON	Marine band
11	327m S	FAULT	Fault, inferred
13	347m W	ROCK	Coal seam, inferred
14	380m SW	ROCK	Coal seam, inferred
15	403m NW	FAULT	Fault, inferred
17	449m E	ROCK	Coal seam, inferred
19	464m SW	FOSSIL_HORIZON	Marine band
20	479m SW	FAULT	Fault, inferred
21	479m SW	ROCK	Coal seam, inferred

This data is sourced from the British Geological Survey.

16 Boreholes



16.1 BGS Boreholes

Records within 250m	70

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 178**

ID	Location	Grid reference	Name	Length	Confidential	Web link
1	**On site**	**398740 294150**	**TOLL END-RAY HALL TRUNK SEWER 39**	**-**	**Y**	**N/A**
2	4m NW	398800 294190	TOLL END-RAY HALL TRUNK SEWER 38	-	Y	N/A

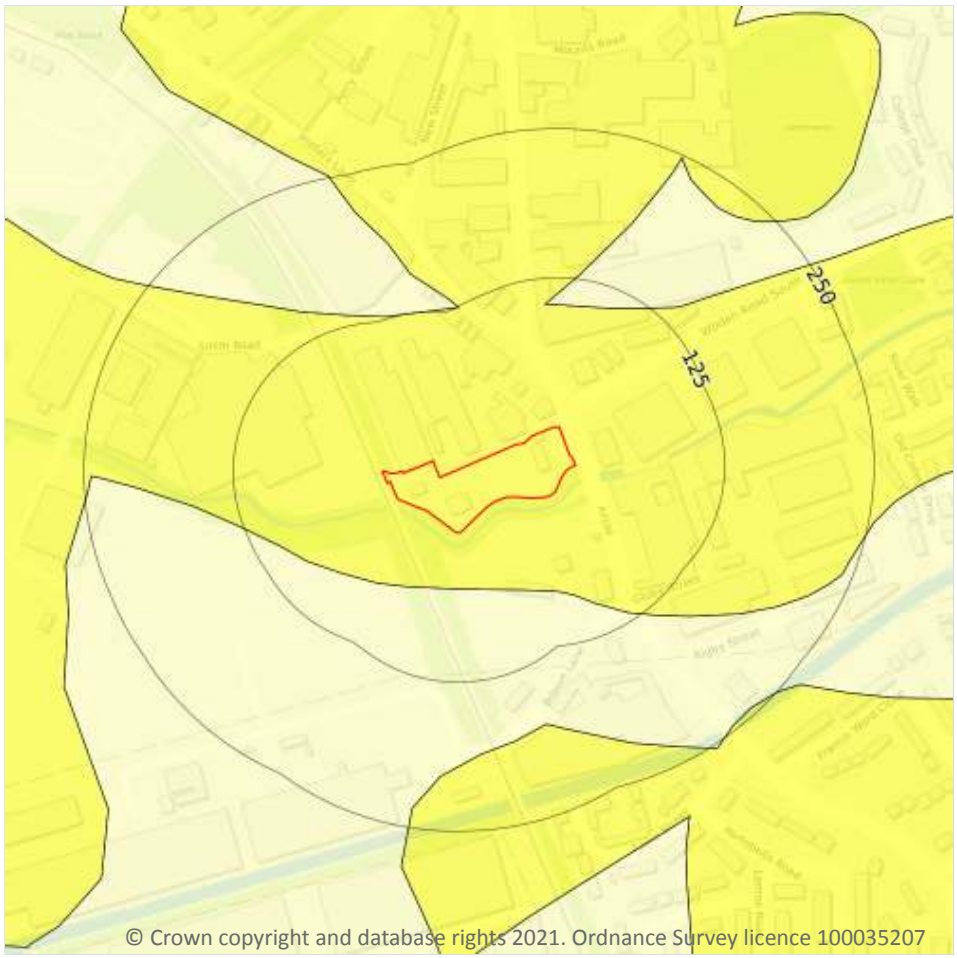
ID	Location	Grid reference	Name	Length	Confidential	Web link
3	10m W	398702 294172	MIDLAND METRO TAME BRIDGE VIADUCT TP T115	-	Y	N/A
A	23m SW	398711 294132	MIDLAND METRO TAME RIVER BRIDGE C 104	-	Y	N/A
B	23m E	398882 294218	TAME BRIDGE WEDNESBURY 1	11.9	N	293837
A	24m SW	398703 294141	MIDLAND METRO TAME BRIDGE RIVER CROSSING TP T116	-	Y	N/A
A	27m SW	398700 294140	TOLL END-RAY HALL TRUNK SEWER 40	-	Y	N/A
4	27m E	398898 294190	TAME BRIDGE WEDNESBURY 2	11.6	N	293838
C	41m NW	398800 294230	BRUNSWICK COLLIERY 1-2, WEDNESBURY	10.05	N	290699
C	41m NW	398800 294230	BRANSWICK COLLIERY NOS 1-2	64.0	N	291033
B	42m NE	398890 294240	TOLL END-RAY HALL TRUNK SEWER 37	-	Y	N/A
C	45m NW	398790 294230	BRUNSWICK COLLIERY NO 2	64.01	N	294966
5	51m S	398830 294100	BRANSWICK COLLIERY NO 4	7.31	N	291034
6	87m NW	398670 294250	LOW LEVEL R.WAY LINE 10	10.45	N	291297
D	97m S	398880 294060	BILPORT LANE ACCESS ROAD DEVELOPMENT WEDNESBURY 1	25.0	N	17706615
7	99m NW	398801 294295	GOSPEL OAK SEWER PHASE 3 A	-	Y	N/A
E	102m SE	398820 294030	BILPORT LANE ACCESS ROAD DEVELOPMENT WEDNESBURY 3	24.9	N	17706618
8	102m S	398770 294020	BILPORT LANE ACCESS ROAD DEVELOPMENT WEDNESBURY 4	21.5	N	17706619
9	108m S	398740 294020	BILPORT LANE ACCESS ROAD DEVELOPMENT WEDNESBURY 5	14.7	N	17706620
D	114m SE	398900 294050	BILPORT CANE 1	25.0	N	293839
E	115m SE	398830 294020	BILPORT CANE BHR3	24.9	N	293840
F	117m E	398970 294250	WODEN ROAD SOUTH WEDNESBURY R1	45.0	N	17743786
E	120m SE	398840 294020	BILPORT LANE ACCESS ROAD DEVELOPMENT WEDNESBURY 2	20.0	N	17706617
F	120m NE	398970 294260	WODEN ROAD SOUTH WEDNESBURY TP1	3.6	N	17743773
10	124m SW	398690 294030	BILPORT CANE BHR6	25.0	N	293841
11	125m SW	398650 294050	TOLL END-RAY HALL TRUNK SEWER 41	-	Y	N/A
F	130m NE	398980 294260	WODEN ROAD SOUTH WEDNESBURY 1	7.55	N	17743761

ID	Location	Grid reference	Name	Length	Confidential	Web link
12	133m S	398790 293990	LOW LEVEL R.WAY LINE 11	11.5	N	291298
F	133m E	399000 294220	WODEN ROAD SOUTH WEDNESBURY TP11	4.0	N	17743784
F	134m NE	398980 294270	TOLL END-RAY HALL TRUNK SEWER 36	-	Y	N/A
13	136m NW	398778 294325	GOSPEL OAK SEWER PHASE 3 B	-	Y	N/A
F	139m E	398990 294260	WODEN ROAD SOUTH WEDNESBURY TP5	3.5	N	17743778
G	146m SW	398660 294020	BILPORT LANE ACCESS ROAD DEVELOPMENT WEDNESBURY 6	25.0	N	17706622
F	149m E	399010 294240	WODEN ROAD SOUTH WEDNESBURY 4	9.9	N	17743772
14	152m S	398770 293970	OLD FIELDS COLLIERY NO.2 PIT	-2.0	N	291064
F	156m NE	399000 294280	WODEN ROAD SOUTH WEDNESBURY TP2	3.6	N	17743775
F	161m E	399010 294270	WODEN ROAD SOUTH WEDNESBURY TP6	4.0	N	17743779
G	164m SW	398640 294010	TOLL END-RAY HALL TRUNK SEWER 49	-	Y	N/A
F	165m E	399030 294230	WODEN ROAD SOUTH WEDNESBURY TP9	3.1	N	17743782
F	167m NE	399020 294260	WODEN ROAD SOUTH WEDNESBURY R3	45.0	N	17743788
F	168m E	399030 294240	WODEN ROAD SOUTH WEDNESBURY R4	45.0	N	17743790
15	173m W	398540 294190	NO.S 1-2, WEDNESBURY	24.38	N	290594
16	182m S	398745 293942	MIDLAND METRO BILPORT LANE TP T114	-	Y	N/A
17	185m N	398743 294367	GOSPEL OAK SEWER PHASE 3 C	-	Y	N/A
H	188m NE	399030 294290	WODEN ROAD SOUTH WEDNESBURY TP3	3.2	N	17743776
I	191m SE	398990 294020	HOLLOWAY BANK WEDNESBURY R9	22.0	N	291780
I	191m SE	398980 294010	HOLLOWAY BANK WEDNESBURY B8	3.0	N	291788
J	196m E	399060 294240	WODEN ROAD SOUTH WEDNESBURY TP12	3.5	N	17743785
H	197m NE	399040 294290	WODEN ROAD SOUTH WEDNESBURY 2	11.7	N	17743770
H	197m NE	399040 294290	WODEN ROAD SOUTH WEDNESBURY TP7	3.5	N	17743780
J	200m E	399060 294250	WODEN ROAD SOUTH WEDNESBURY 3	10.05	N	17743771
18	203m S	398760 293920	OLD FIELDS COLLIERY NO.1 PIT	-2.0	N	291063
19	203m SW	398600 293990	TOLL END-RAY HALL TRUNK SEWER 50	-	Y	N/A
20	206m N	398910 294410	MOUNTS COLLIERY NO.1 PIT	113.1	N	291274
I	207m SE	398980 293990	HOLLOWAY BANK WEDNESBURY R4	42.0	N	291775

ID	Location	Grid reference	Name	Length	Confidential	Web link
H	211m NE	399060 294280	WODEN ROAD SOUTH WEDNESBURY TP8	3.2	N	17743781
I	212m SE	399000 294000	HOLLOWAY BANK WEDNESBURY B4	15.6	N	291785
I	213m SE	398990 293990	HOLLOWAY BANK WEDNESBURY R5	42.0	N	291776
I	213m SE	398990 293990	HOLLOWAY BANK WEDNESBURY B5	4.0	N	291786
J	219m E	399080 294250	WODEN ROAD SOUTH WEDNESBURY TP10	3.1	N	17743783
I	221m SE	398990 293980	HOLLOWAY BANK WEDNESBURY R6	43.0	N	291777
K	223m NE	399060 294310	WODEN ROAD SOUTH WEDNESBURY R2	45.0	N	17743787
K	223m NE	399060 294310	WODEN ROAD SOUTH WEDNESBURY TP4	3.3	N	17743777
I	226m SE	399010 293990	HOLLOWAY BANK WEDNESBURY R3	43.0	N	291774
21	226m NW	398600 294370	LOW LEVEL R.WAY LINE 9	10.45	N	291296
I	229m SE	398990 293970	HOLLOWAY BANK WEDNESBURY B6	7.0	N	291787
J	231m E	399090 294260	WODEN RD SOUTH 6	9.14	N	292020
J	232m E	399100 294230	WODEN RD SOUTH 11	12.19	N	292025
K	233m NE	399060 294330	TOLL END-RAY HALL TRUNK SEWER 35	-	Y	N/A
J	238m E	399100 294250	PROPOSED COLLEGE OF F.E. 11	-	Y	N/A

This data is sourced from the British Geological Survey.

17 Natural ground subsidence - Shrink swell clays



Site Outline

Search buffers in metres (m)

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

17.1 Shrink swell clays

Records within 50m	2

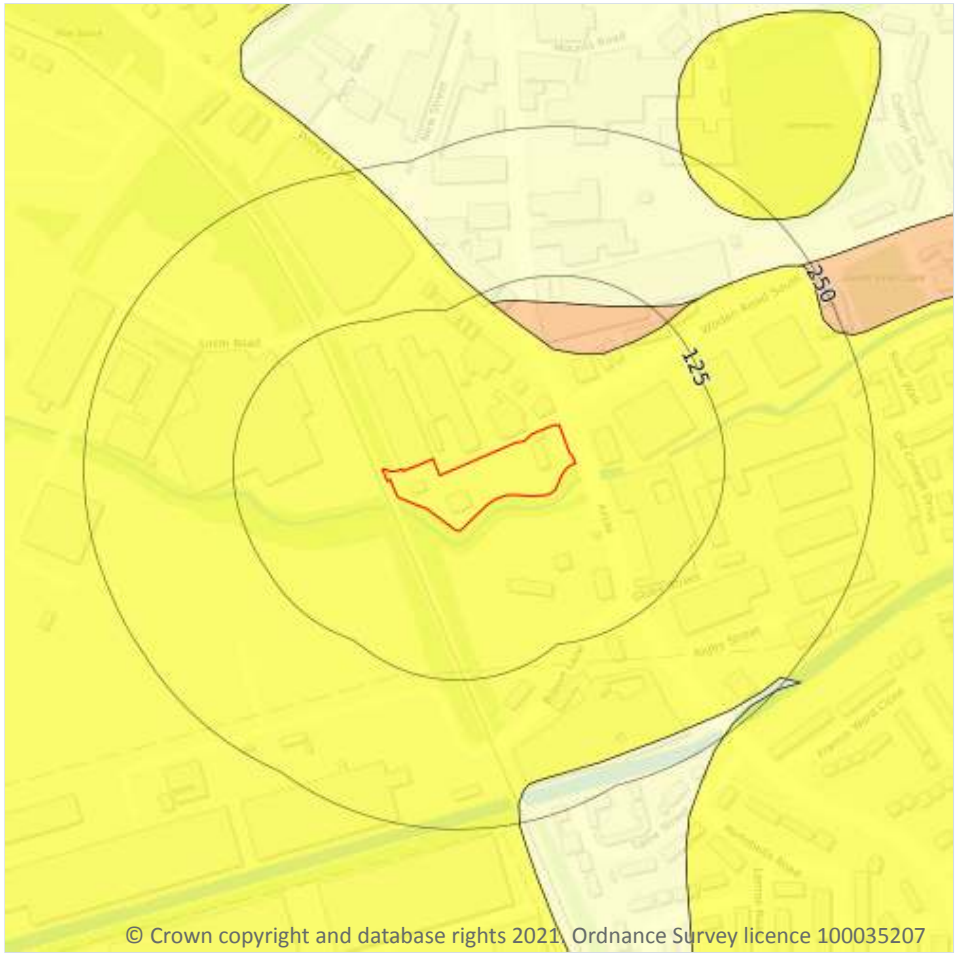
The potential hazard presented by soils that absorb water when wet (making them swell), and lose water as they dry (making them shrink). This shrink-swell behaviour is controlled by the type and amount of clay in the soil, and by seasonal changes in the soil moisture content (related to rainfall and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

Features are displayed on the Natural ground subsidence - Shrink swell clays map on **page 182**

Location	Hazard rating	Details
On site	**Very low**	**Ground conditions predominantly low plasticity.**
47m S	Negligible	Ground conditions predominantly non-plastic.

This data is sourced from the British Geological Survey.

Natural ground subsidence - Running sands



Site Outline

Search buffers in metres (m)

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

17.2 Running sands

Records within 50m	1

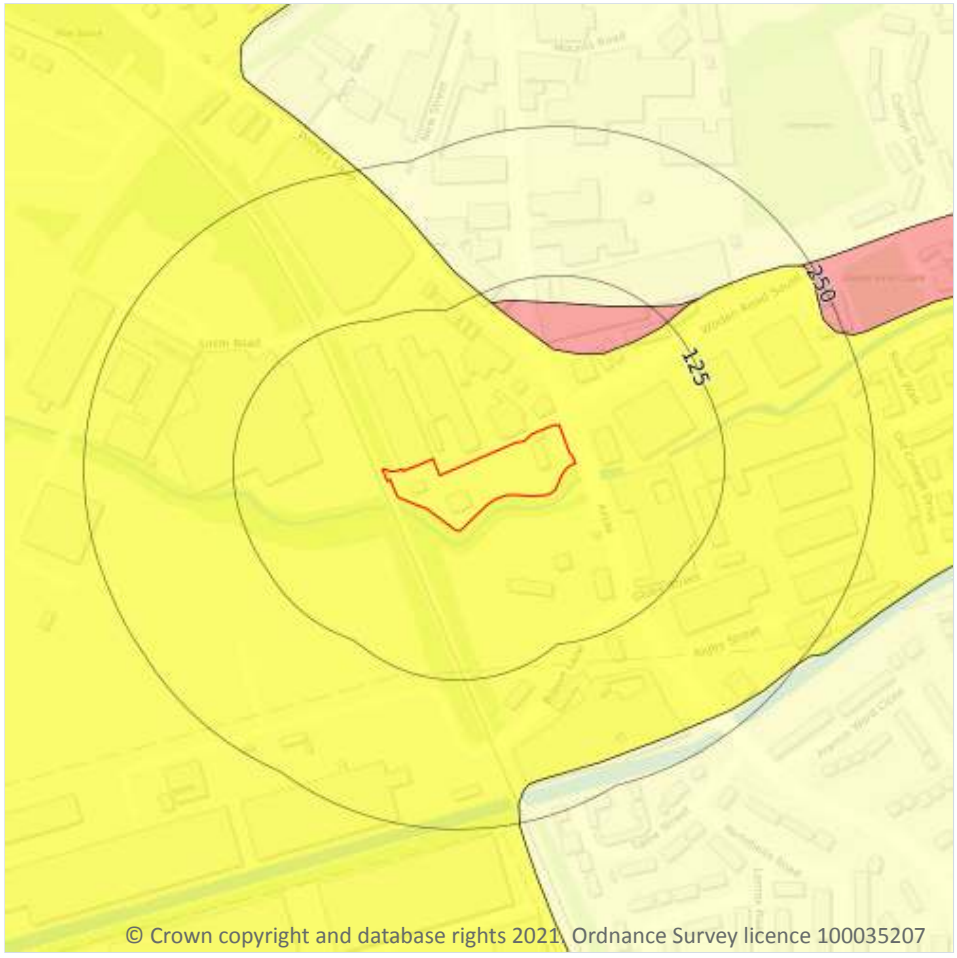
The potential hazard presented by rocks that can contain loosely-packed sandy layers that can become fluidised by water flowing through them. Such sands can 'run', removing support from overlying buildings and causing potential damage.

Features are displayed on the Natural ground subsidence - Running sands map on **page 183**

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	1

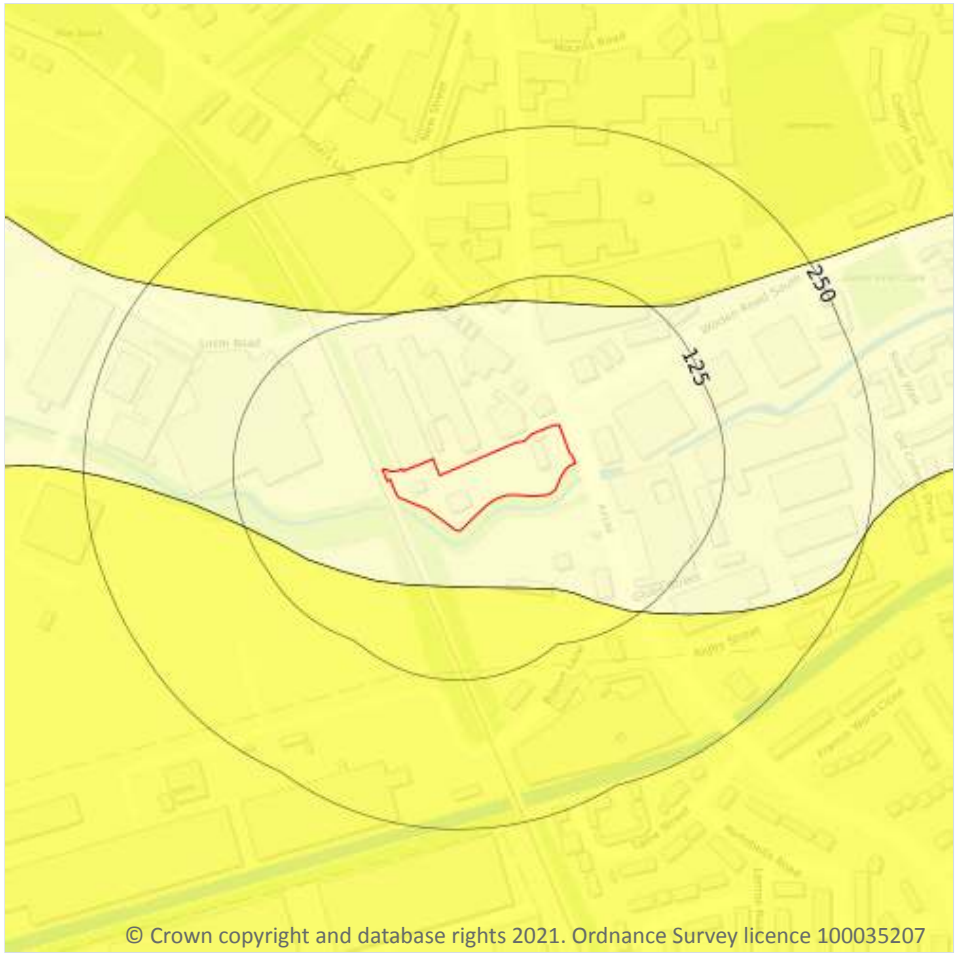
The potential hazard presented by types of ground that may contain layers of very soft materials like clay or peat and may compress if loaded by overlying structures, or if the groundwater level changes, potentially resulting in depression of the ground and disturbance of foundations.

Features are displayed on the Natural ground subsidence - Compressible deposits map on **page 184**

Location	Hazard rating	Details
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	2

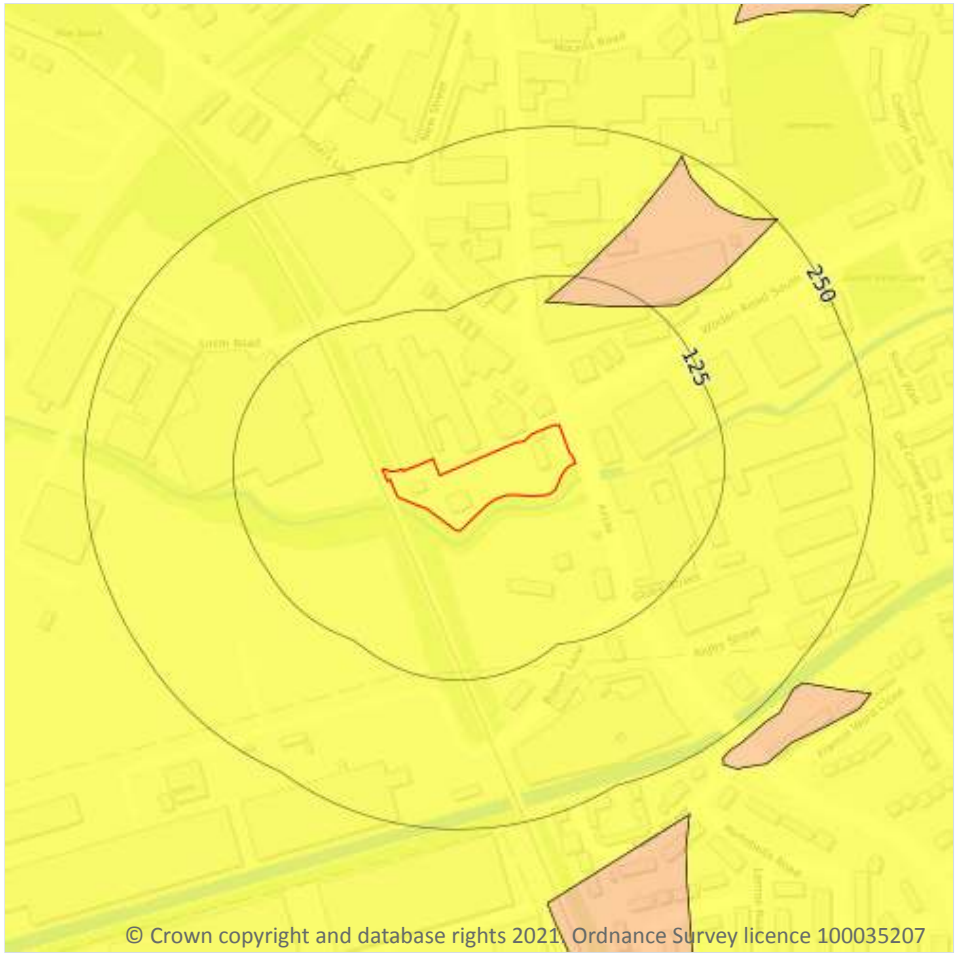
The potential hazard presented by natural deposits that could collapse when a load (such as a building) is placed on them or they become saturated with water.

Features are displayed on the Natural ground subsidence - Collapsible deposits map on **page 185**

Location	Hazard rating	Details
On site	**Negligible**	**Deposits with potential to collapse when loaded and saturated are believed not to be present.**
47m S	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 186**

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

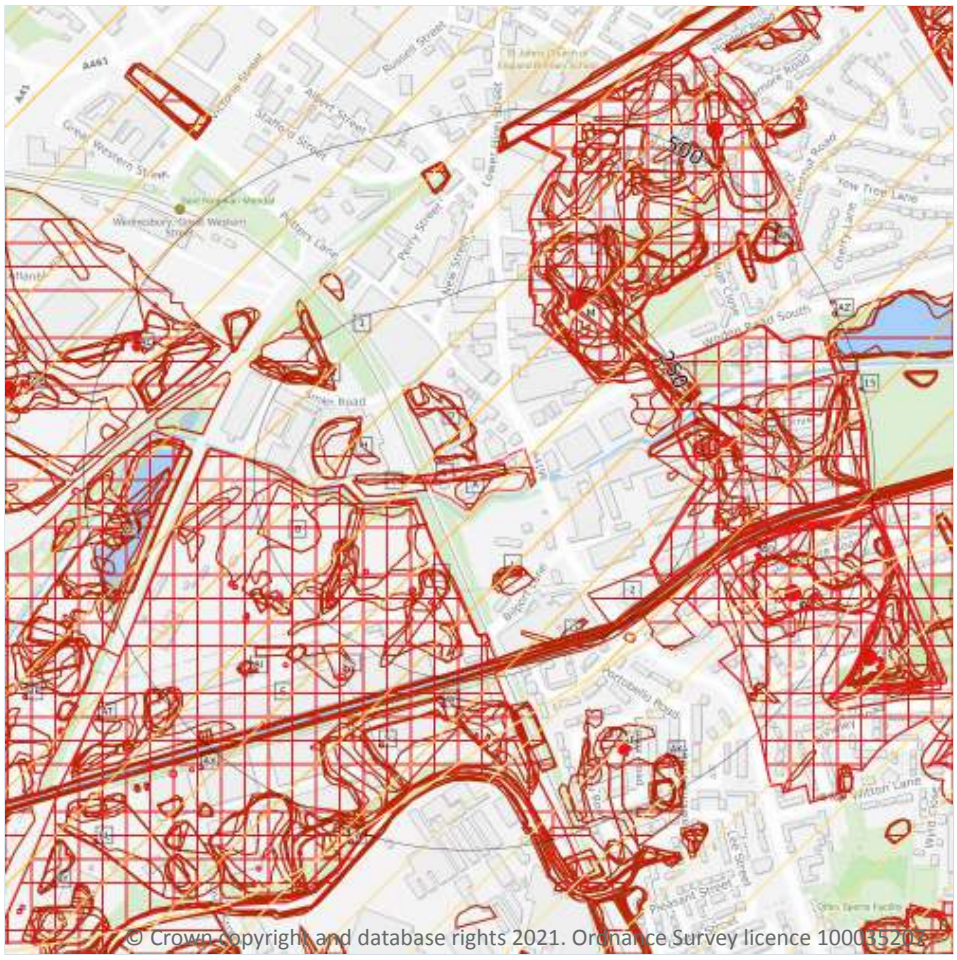
The potential hazard presented by ground dissolution, which occurs when water passing through soluble rocks produces underground cavities and cave systems. These cavities reduce support to the ground above and can cause localised collapse of the overlying rocks and deposits.

Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on **page 187**

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

This data is sourced from the British Geological Survey.

18 Mining, ground workings and natural cavities



Site Outline

Search buffers in metres (m)

Natural cavities (Area)

Natural cavities (Point)

BritPits

Surface ground workings

Underground workings

Historical Mineral Planning Areas

Mining Cavities

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 Natural cavities

Records within 500m	0

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

This data is sourced from Stantec UK Ltd.

18.2 BritPits

Records within 500m	2

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

Features are displayed on the Mining, ground workings and natural cavities map on **page 189**

ID	Location	Details	Description
M	232m N	Name: Burrs Colliery Mounts Pit Address: Wednesbury, WALSALL, Staffordshire Commodity: Coal, Deep Status: Ceased	Type: Working is wholly underground, access by shaft, adit or drift. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun Ee - Scots) Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
AA	420m SE	Name: Balls Hill Address: Balls Hill, West Bromwich, WEST BROMWICH, West Midlands Commodity: Sand Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority

This data is sourced from the British Geological Survey.

18.3 Surface ground workings

Records within 250m	94

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

Features are displayed on the Mining, ground workings and natural cavities map on **page 189**

ID	Location	Land Use	Year of mapping	Mapping scale
A	**On site**	**Ponds**	**1955**	**1:10560**
A	**On site**	**Unspecified Pit**	**1938**	**1:10560**
A	**On site**	**Unspecified Pit**	**1913**	**1:10560**
B	**On site**	**Unspecified Pit**	**1938**	**1:10560**
B	**On site**	**Unspecified Pit**	**1921**	**1:10560**

ID	Location	Land Use	Year of mapping	Mapping scale
C	5m SW	Unspecified Ground Workings	1913	1:10560
C	5m SW	Unspecified Ground Workings	1902	1:10560
D	13m NW	Refuse Heap	1913	1:10560
D	14m N	Refuse Heap	1938	1:10560
D	16m NW	Refuse Heap	1938	1:10560
D	16m NW	Refuse Heap	1921	1:10560
E	28m SW	Colliery	1888	1:10560
F	28m SW	Colliery	1889	1:10560
G	29m SW	Pond	1955	1:10560
G	41m SW	Pond	1970	1:10560
H	69m W	Refuse Heap	1902	1:10560
I	98m SW	Sand Pit	1955	1:10560
I	98m S	Unspecified Heap	1888	1:10560
J	99m SE	Sand Pit	1955	1:10560
I	99m SW	Unspecified Heaps	1889	1:10560
J	102m S	Refuse Heap	1921	1:10560
G	103m SW	Unspecified Ground Workings	1902	1:10560
J	103m SE	Refuse Heap	1938	1:10560
I	107m SW	Refuse Heap	1913	1:10560
I	107m SW	Refuse Heap	1902	1:10560
J	108m SE	Unspecified Heap	1913	1:10560
J	108m SE	Unspecified Heap	1902	1:10560
G	110m SW	Unspecified Ground Workings	1888	1:10560
H	111m W	Refuse Heap	1938	1:10560
H	111m W	Refuse Heap	1921	1:10560
H	117m NW	Refuse Heap	1913	1:10560
H	120m NW	Refuse Heap	1938	1:10560
G	139m SW	Unspecified Heap	1938	1:10560

ID	Location	Land Use	Year of mapping	Mapping scale
G	139m SW	Unspecified Ground Workings	1938	1:10560
G	139m SW	Unspecified Ground Workings	1913	1:10560
G	139m SW	Unspecified Heap	1921	1:10560
K	144m NE	Pit Colliery	1889	1:10560
L	144m NE	Pit Colliery	1888	1:10560
M	146m NE	Unspecified Ground Workings	1889	1:10560
H	146m NW	Sand Pit	1955	1:10560
G	148m SW	Unspecified Ground Workings	1955	1:10560
I	152m SW	Refuse Heap	1921	1:10560
M	154m NE	Refuse Heap	1913	1:10560
M	154m NE	Unspecified Heaps	1888	1:10560
M	155m NE	Unspecified Ground Workings	1938	1:10560
M	156m NE	Gravel Pit	1955	1:10560
M	157m NE	Refuse Heap	1938	1:10560
M	157m NE	Refuse Heap	1921	1:10560
M	162m NE	Refuse Heap	1902	1:10560
K	164m NE	Pond	1955	1:10560
I	170m S	Refuse Heap	1938	1:10560
K	170m E	Refuse Heap	1938	1:10560
G	172m SW	Refuse Heap	1970	1:10560
K	174m E	Refuse Heap	1938	1:10560
K	174m E	Refuse Heap	1913	1:10560
K	174m E	Refuse Heap	1921	1:10560
M	175m N	Pond	1970	1:10560
K	175m E	Pond	1970	1:10560
M	176m NE	Pond	1978	1:10000
N	182m NW	Unspecified Ground Workings	1938	1:10560
N	182m NW	Unspecified Ground Workings	1938	1:10560

ID	Location	Land Use	Year of mapping	Mapping scale
2	184m SE	Unspecified Wharf	1888	1:10560
O	195m SE	Pond	1888	1:10560
N	197m NW	Unspecified Ground Workings	1889	1:10560
K	197m E	Unspecified Pit	1902	1:10560
N	198m NW	Unspecified Ground Workings	1888	1:10560
N	204m NW	Unspecified Heap	1913	1:10560
N	204m NW	Refuse Heap	1902	1:10560
N	214m NW	Pond	1955	1:10560
M	215m NE	Unspecified Ground Workings	1913	1:10560
I	220m S	Canal	1913	1:10560
I	220m S	Canal	1938	1:10560
I	221m S	Canal	1938	1:10560
I	221m S	Canal	1921	1:10560
I	221m S	Canal	1902	1:10560
I	222m S	Canal	1955	1:10560
M	222m NE	Unspecified Ground Workings	1938	1:10560
M	222m NE	Unspecified Ground Workings	1921	1:10560
K	223m NE	Unspecified Heap	1955	1:10560
K	225m NE	Refuse Heap	1902	1:10560
O	227m S	Canal	1889	1:10560
I	227m S	Canal	1978	1:10000
I	227m S	Canal	1985	1:10000
I	227m S	Canal	1970	1:10560
I	227m S	Canal	1988	1:10000
I	227m S	Canal	1992	1:10000
I	228m S	Canal	1888	1:10560
K	228m NE	Unspecified Heap	1970	1:10560
K	228m E	Unspecified Heaps	1970	1:10560

ID	Location	Land Use	Year of mapping	Mapping scale
K	231m NE	Unspecified Pit	1902	1:10560
K	236m E	Unspecified Ground Workings	1889	1:10560
P	237m E	Unspecified Ground Workings	1888	1:10560
Q	237m NE	Unspecified Ground Workings	1888	1:10560
K	239m E	Unspecified Ground Workings	1888	1:10560

This is data is sourced from Ordnance Survey/Groundsure.

18.4 Underground workings

Records within 1000m	**219**

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

Features are displayed on the Mining, ground workings and natural cavities map on **page 189**

ID	Location	Land Use	Year of mapping	Mapping scale
E	28m SW	Colliery	1888	1:10560
I	138m SW	Old Coal Shafts	1938	1:10560
I	138m SW	Old Coal Shafts	1921	1:10560
I	138m SW	Old Coal Shafts	1938	1:10560
I	139m SW	Old Coal Shafts	1938	1:10560
I	143m S	Unspecified Old Shafts	1888	1:10560
L	144m NE	Pit Colliery	1888	1:10560
I	147m S	Unspecified Old Shafts	1888	1:10560
G	151m SW	Unspecified Shaft	1888	1:10560
G	191m W	Unspecified Old Shaft	1888	1:10560
G	209m SW	Old Coal Shafts	1938	1:10560
G	209m SW	Old Coal Shafts	1938	1:10560
G	210m SW	Old Coal Shafts	1938	1:10560
G	214m SW	Old Coal Shafts	1921	1:10560
G	215m SW	Unspecified Old Shaft	1888	1:10560

ID	Location	Land Use	Year of mapping	Mapping scale
K	246m E	Old Coal Shafts	1938	1:10560
K	246m E	Old Coal Shafts	1921	1:10560
K	246m E	Old Coal Shafts	1938	1:10560
K	251m E	Old Coal Shafts	1902	1:10560
F	271m SW	Old Coal Shafts	1913	1:10560
F	271m SW	Old Coal Shafts	1938	1:10560
K	278m E	Old Coal Shafts	1921	1:10560
K	281m E	Old Coal Shafts	1938	1:10560
K	282m E	Old Coal Shafts	1938	1:10560
K	282m E	Old Coal Shafts	1938	1:10560
K	285m E	Old Coal Shafts	1902	1:10560
W	286m S	Unspecified Old Shaft	1888	1:10560
S	288m SW	Old Coal Shafts	1902	1:10560
7	289m SE	Disused Colliery	1949	1:10560
K	289m E	Old Coal Shafts	1921	1:10560
K	290m E	Old Coal Shafts	1938	1:10560
K	291m E	Old Coal Shafts	1938	1:10560
K	291m E	Old Coal Shafts	1938	1:10560
K	295m E	Old Coal Shafts	1902	1:10560
K	295m E	Old Coal Shafts	1902	1:10560
S	299m SW	Old Coal Shafts	1902	1:10560
S	305m SW	Unspecified Old Shaft	1888	1:10560
AA	313m SE	Disused Colliery	1938	1:10560
AA	313m SE	Disused Colliery	1921	1:10560
AA	313m SE	Disused Colliery	1938	1:10560
F	318m SW	Old Coal Shafts	1938	1:10560
F	318m SW	Old Coal Shafts	1921	1:10560
F	318m SW	Old Coal Shafts	1938	1:10560

ID	Location	Land Use	Year of mapping	Mapping scale
F	321m SW	Old Coal Shafts	1938	1:10560
F	321m SW	Old Coal Shafts	1921	1:10560
F	321m SW	Old Coal Shafts	1938	1:10560
Q	323m N	Air Shaft	1888	1:10560
F	326m SW	Old Coal Shafts	1913	1:10560
F	326m SW	Old Coal Shafts	1938	1:10560
F	327m SW	Old Coal Shafts	1938	1:10560
F	327m SW	Old Coal Shaft	1902	1:10560
F	327m SW	Old Coal Shafts	1938	1:10560
F	331m SW	Old Coal Shafts	1921	1:10560
S	332m SW	Unspecified Shaft	1888	1:10560
AA	347m E	Colliery	1888	1:10560
AD	348m E	Air Shaft	1913	1:10560
AD	348m E	Air Shaft	1938	1:10560
AD	351m E	Air Shaft	1938	1:10560
AD	351m E	Air Shaft	1921	1:10560
AD	351m E	Air Shaft	1902	1:10560
AD	351m E	Air Shaft	1938	1:10560
AD	352m E	Air Shaft	1888	1:10560
AA	355m SE	Colliery	1902	1:10560
13	356m W	Colliery	1888	1:10560
V	364m S	Unspecified Old Shaft	1888	1:10560
AI	372m SW	Old Coal Shafts	1902	1:10560
AI	383m SW	Unspecified Shaft	1888	1:10560
AA	398m E	Air Shaft	1888	1:10560
AF	403m S	Unspecified Old Shafts	1949	1:10560
AF	406m S	Unspecified Old Shafts	1938	1:10560
AF	406m S	Unspecified Old Shafts	1938	1:10560

ID	Location	Land Use	Year of mapping	Mapping scale
AF	407m S	Unspecified Disused Shaft	1970	1:10560
AF	407m S	Old Coal Shafts	1938	1:10560
AF	408m S	Unspecified Old Shafts	1949	1:10560
AF	410m SE	Unspecified Old Shafts	1938	1:10560
AF	410m SE	Unspecified Old Shafts	1913	1:10560
AF	411m S	Unspecified Old Shafts	1921	1:10560
AF	412m SE	Unspecified Old Shafts	1938	1:10560
AF	412m SE	Unspecified Old Shafts	1938	1:10560
AF	417m S	Unspecified Old Shafts	1921	1:10560
E	422m SW	Unspecified Shaft	1888	1:10560
AK	445m SE	Unspecified Old Shafts	1888	1:10560
AG	452m W	Old Coal Pit	1888	1:10560
AL	457m NW	Old Coal Shafts	1938	1:10560
AL	458m NW	Old Coal Shafts	1921	1:10560
AL	459m NW	Old Coal Shafts	1938	1:10560
AL	459m NW	Old Coal Shafts	1938	1:10560
AL	460m NW	Old Coal Shafts	1913	1:10560
AL	463m NW	Unspecified Old Shafts	1888	1:10560
AL	464m NW	Old Coal Shafts	1938	1:10560
AL	464m NW	Old Coal Shafts	1938	1:10560
AL	464m NW	Old Coal Shafts	1913	1:10560
AL	464m NW	Old Coal Shafts	1938	1:10560
AL	464m NW	Unspecified Old Shaft	1888	1:10560
AL	469m NW	Unspecified Old Shafts	1888	1:10560
AN	475m NE	Unspecified Old Shaft	1888	1:10560
15	494m E	Unspecified Shaft	1888	1:10560
AZ	495m NE	Unspecified Shafts	1888	1:10560
AZ	499m NE	Unspecified Shafts	1888	1:10560

ID	Location	Land Use	Year of mapping	Mapping scale
Y	513m S	Unspecified Old Shaft	1888	1:10560
AX	527m SW	Old Coal Shafts	1902	1:10560
AG	531m W	Unspecified Old Shaft	1888	1:10560
AX	539m SW	Unspecified Shafts	1888	1:10560
AG	541m W	Unspecified Old Shaft	1888	1:10560
Y	558m SW	Unspecified Old Shafts	1888	1:10560
AX	560m SW	Old Coal Shafts	1902	1:10560
AA	575m SE	Unspecified Shafts	1938	1:10560
AA	575m SE	Unspecified Shafts	1913	1:10560
AA	577m SE	Unspecified Old Shafts	1938	1:10560
AA	577m SE	Unspecified Old Shafts	1921	1:10560
AA	577m SE	Unspecified Old Shafts	1902	1:10560
AA	577m SE	Unspecified Old Shafts	1938	1:10560
AA	580m SE	Unspecified Shafts	1888	1:10560
AA	581m SE	Unspecified Shafts	1938	1:10560
AA	581m SE	Unspecified Shafts	1913	1:10560
AA	584m SE	Unspecified Old Shafts	1938	1:10560
AA	584m SE	Unspecified Old Shafts	1921	1:10560
AA	584m SE	Unspecified Old Shafts	1902	1:10560
AA	584m SE	Unspecified Old Shafts	1938	1:10560
AP	588m W	Old Coal Shafts	1938	1:10560
AT	591m SW	Unspecified Old Shaft	1888	1:10560
AP	603m W	Unspecified Shaft	1888	1:10560
Y	606m SW	Unspecified Old Shafts	1888	1:10560
AX	623m SW	Old Coal Shafts	1902	1:10560
AT	646m SW	Old Coal Shaft	1938	1:10560
AT	646m SW	Old Coal Shaft	1921	1:10560
AT	646m SW	Old Coal Shaft	1938	1:10560

ID	Location	Land Use	Year of mapping	Mapping scale
AT	646m SW	Old Coal Shaft	1938	1:10560
BP	667m SW	Unspecified Old Shafts	1888	1:10560
-	684m W	Unspecified Old Shaft	1888	1:10560
-	705m W	Old Coal Pits	1888	1:10560
-	708m W	Old Coal Pits	1888	1:10560
BL	712m SW	Unspecified Old Shaft	1888	1:10560
-	723m S	Unspecified Old Shafts	1888	1:10560
-	728m S	Unspecified Old Shafts	1888	1:10560
22	732m SE	Disused Colliery	1938	1:10560
BT	732m SE	Collieries	1902	1:10560
-	732m W	Unspecified Shafts	1888	1:10560
-	733m S	Tunnel	1949	1:10560
-	736m W	Old Coal Shafts	1913	1:10560
-	736m S	Tunnel	1938	1:10560
-	736m S	Tunnel	1902	1:10560
-	736m S	Tunnel	1938	1:10560
-	738m S	Tunnel	1938	1:10560
-	739m S	Tunnel	1888	1:10560
-	739m W	Old Coal Shafts	1938	1:10560
-	740m W	Old Coal Shafts	1938	1:10560
-	740m W	Old Coal Shafts	1938	1:10560
-	741m W	Old Coal Shafts	1938	1:10560
-	741m W	Old Coal Shafts	1938	1:10560
-	743m S	Tunnel	1921	1:10560
-	745m SE	Disused Colliery	1913	1:10560
-	747m W	Old Coal Pit	1888	1:10560
-	747m W	Unspecified Shafts	1888	1:10560
-	748m S	Tunnel	1913	1:10560

ID	Location	Land Use	Year of mapping	Mapping scale
-	752m W	Unspecified Old Shafts	1888	1:10560
-	755m S	Tunnels	1985	1:10000
-	755m S	Tunnels	1970	1:10560
-	755m S	Tunnels	1988	1:10000
-	755m S	Tunnel	1992	1:10000
-	755m S	Tunnels	1978	1:10000
-	757m W	Unspecified Old Shafts	1888	1:10560
-	759m E	Disused Colliery	1938	1:10560
-	766m E	Disused Colliery	1913	1:10560
-	767m E	Colliery	1888	1:10560
-	771m W	Old Coal Shafts	1938	1:10560
-	775m W	Old Coal Shafts	1938	1:10560
-	783m E	Unspecified Shafts	1938	1:10560
-	783m E	Unspecified Shafts	1913	1:10560
-	784m S	Collieries	1888	1:10560
-	784m E	Unspecified Shafts	1938	1:10560
-	784m E	Unspecified Shafts	1921	1:10560
-	784m E	Unspecified Shafts	1938	1:10560
-	787m S	Colliery	1888	1:10560
-	788m E	Unspecified Shafts	1902	1:10560
BY	800m SW	Old Coal Shafts	1902	1:10560
-	805m E	Unspecified Shafts	1938	1:10560
-	805m E	Unspecified Shafts	1913	1:10560
-	807m E	Unspecified Shafts	1938	1:10560
-	807m E	Unspecified Shafts	1921	1:10560
-	807m E	Unspecified Shafts	1938	1:10560
-	809m NW	Colliery	1888	1:10560
-	810m E	Unspecified Shafts	1902	1:10560

ID	Location	Land Use	Year of mapping	Mapping scale
CD	819m SE	Disused Colliery	1921	1:10560
-	820m E	Unspecified Shafts	1913	1:10560
-	823m E	Unspecified Shafts	1938	1:10560
-	823m E	Unspecified Shafts	1938	1:10560
-	823m E	Unspecified Shafts	1921	1:10560
-	823m E	Unspecified Shafts	1902	1:10560
-	823m E	Unspecified Shafts	1938	1:10560
28	824m NE	Pit Colliery	1888	1:10560
-	824m E	Unspecified Shafts	1938	1:10560
-	825m E	Unspecified Shafts	1938	1:10560
-	825m E	Unspecified Shafts	1921	1:10560
-	825m E	Unspecified Shafts	1902	1:10560
-	825m E	Unspecified Shafts	1938	1:10560
CD	839m SE	Disused Colliery	1913	1:10560
CD	839m SE	Disused Colliery	1902	1:10560
CF	850m NE	Old Coal Pits	1888	1:10560
CF	855m NE	Old Coal Pits	1888	1:10560
BY	857m SW	Unspecified Old Shafts	1888	1:10560
BY	864m SW	Unspecified Old Shafts	1888	1:10560
-	871m S	Unspecified Old Shafts	1888	1:10560
-	878m S	Unspecified Old Shafts	1888	1:10560
-	890m SW	Unspecified Old Shaft	1888	1:10560
-	900m SW	Colliery and Brick Works	1888	1:10560
-	902m W	Unspecified Old Shafts	1888	1:10560
CD	907m SE	Disused Colliery	1888	1:10560
-	913m W	Disused Colliery	1888	1:10560
-	933m W	Unspecified Old Shaft	1888	1:10560
-	948m S	Unspecified Old Shaft	1888	1:10560

ID	Location	Land Use	Year of mapping	Mapping scale
-	950m S	Unspecified Old Shaft	1888	1:10560
-	952m SW	Disused Colliery	1913	1:10560
-	952m SW	Disused Colliery	1921	1:10560
-	952m SW	Disused Colliery	1902	1:10560
-	957m SE	Unspecified Shafts	1888	1:10560
-	959m S	Unspecified Old Shaft	1888	1:10560
-	968m SE	Unspecified Shafts	1888	1:10560
-	996m S	Old Coal Shaft	1902	1:10560

This is data is sourced from Ordnance Survey/Groundsure.

18.5 Historical Mineral Planning Areas

Records within 500m	**0**

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

This data is sourced from the British Geological Survey.

18.6 Non-coal mining

Records within 1000m	**3**

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

Features are displayed on the Mining, ground workings and natural cavities map on **page 189**

ID	Location	Name	Commodity	Class	Likelihood
1	**On site**	**Not available**	**Iron Ore (Bedded)**	**B**	**Localised small scale underground mining may have occurred. Potential for difficult ground conditions are unlikely or localised and are at a level where they need not be considered**
8	290m SE	Not available	Vein Mineral	A	Sporadic underground mining of restricted extent may have occurred. Potential for difficult ground conditions are unlikely and localised and are at a level where they need not be considered

ID	Location	Name	Commodity	Class	Likelihood
-	790m N	Not available	Iron Ore (Bedded)	B	Localised small scale underground mining may have occurred. Potential for difficult ground conditions are unlikely or localised and are at a level where they need not be considered

This data is sourced from the British Geological Survey.

18.7 Mining cavities

Records within 1000m	**0**

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

This data is sourced from Stantec UK Ltd.

18.8 JPB mining areas

Records on site	**1**

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

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

This data is sourced from Johnson Poole and Bloomer.

18.9 Coal mining

Records on site	**1**

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

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

This data is sourced from the Coal Authority.

18.10 Brine areas

Records on site	0

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

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

18.11 Gypsum areas

Records on site	0

Generalised areas that may be affected by gypsum extraction.

This data is sourced from British Gypsum.

18.12 Tin mining

Records on site	0

Generalised areas that may be affected by historical tin mining.

This data is sourced from Mining Searches UK.

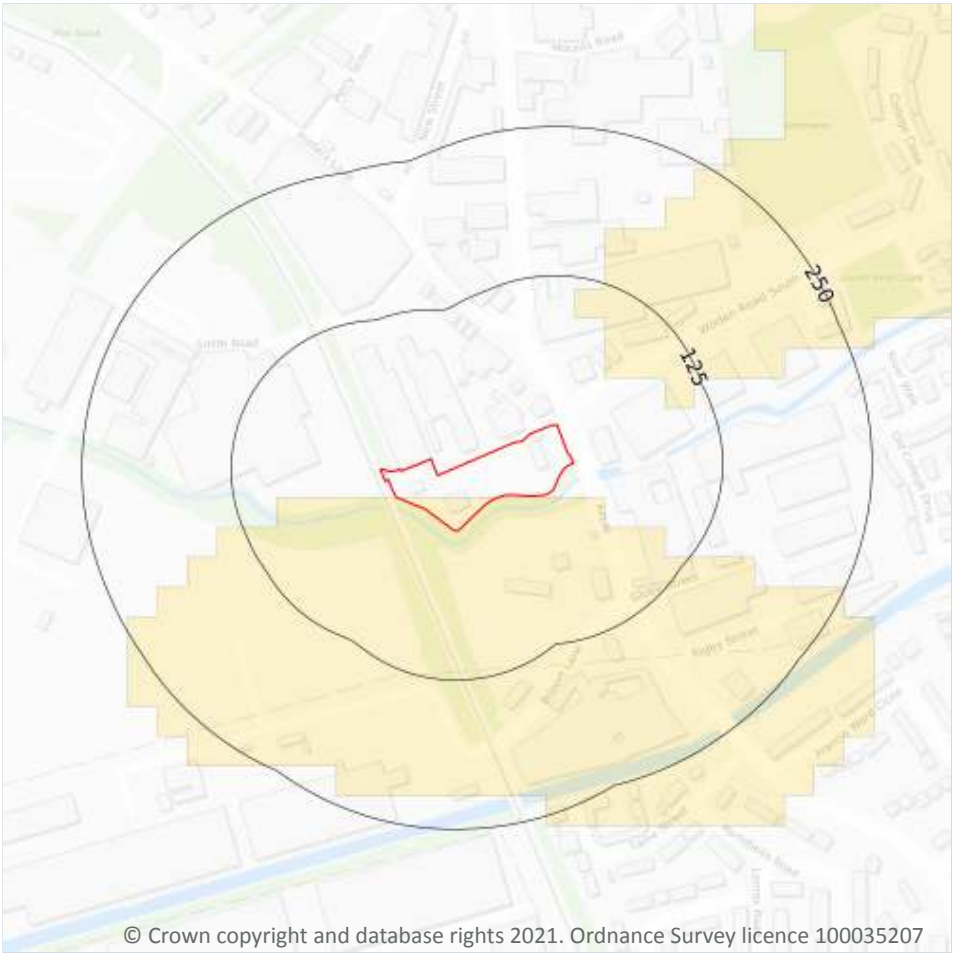
18.13 Clay mining

Records on site	0

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

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

19 Radon



Site Outline

Search buffers in metres (m)

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

19.1 Radon

Records on site	2

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

Features are displayed on the Radon map on **page 205**

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

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

20 Soil chemistry

20.1 BGS Estimated Background Soil Chemistry

Records within 50m	4

The estimated values provide the likely background concentration of the potentially harmful elements Arsenic, Cadmium, Chromium, Lead and Nickel in topsoil. The values are estimated primarily from rural topsoil data collected at a sample density of approximately 1 per 2 km^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 mg/kg**	**No data**	**100 - 200 mg/kg**	**60 - 120 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**30 - 45 mg/kg**
On site	**15 mg/kg**	**No data**	**100 - 200 mg/kg**	**60 - 120 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**30 - 45 mg/kg**
On site	**15 mg/kg**	**No data**	**100 - 200 mg/kg**	**60 - 120 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**30 - 45 mg/kg**
47m S	15 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg

This data is sourced from the British Geological Survey.

20.2 BGS Estimated Urban Soil Chemistry

Records within 50m	0

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

This data is sourced from the British Geological Survey.

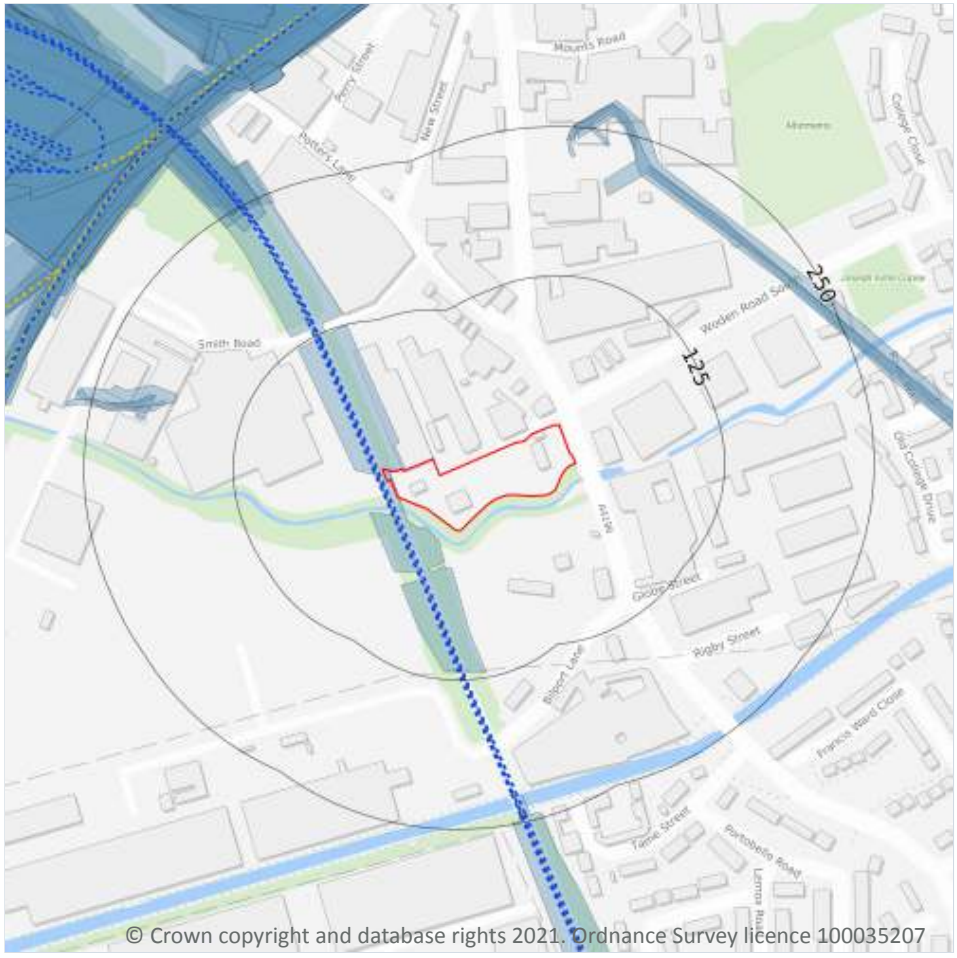
20.3 BGS Measured Urban Soil Chemistry

Records within 50m	0

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

This data is sourced from the British Geological Survey.

21 Railway infrastructure and projects



21.1 Underground railways (London)

Records within 250m	0

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

This data is sourced from publicly available information by Groundsure.

21.2 Underground railways (Non-London)

Records within 250m	0

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

This data is sourced from publicly available information by Groundsure.

21.3 Railway tunnels

Records within 250m	0

Railway tunnels taken from contemporary Ordnance Survey mapping.

This data is sourced from the Ordnance Survey.

21.4 Historical railway and tunnel features

Records within 250m	16

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 209**

Location	Land Use	Year of mapping	Mapping scale
On site	**Railway**	**1888**	**-**
183m W	Railway Sidings	1902	10560
189m W	Railway Sidings	1903	2500
196m N	Railway Sidings	1888	10560
199m W	Railway Sidings	1919	2500
209m NE	Tramway Sidings	1889	10560
213m NE	Tramway Sidings	1890	2500
225m N	Tramways Sidings	1890	2500
226m S	Railway	1890	-
230m NW	Railway Sidings	1955	10560
241m NW	Railway Sidings	1978	10000
241m N	Railway	1890	-
247m NW	Railway Sidings	1890	2500
247m NW	Railway Sidings	1903	2500
247m NW	Railway Sidings	1919	2500
248m NW	Railway Sidings	1964	2500

This data is sourced from Ordnance Survey/Groundsure.

21.5 Royal Mail tunnels

Records within 250m	0

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

This data is sourced from Groundsure/the Postal Museum.

21.6 Historical railways

Records within 250m	0

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

This data is sourced from OpenStreetMap.

21.7 Railways

Records within 250m	19

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

Features are displayed on the Railway infrastructure and projects map on **page 209**

Location	Name	Type
4m SW	Midland Metro	tram
4m SW	Midland Metro	tram
6m SW	Not given	Multi Track
7m SW	Midland Metro	tram
7m W	Midland Metro	tram
20m SW	Midland Metro	tram
22m SW	Midland Metro	tram
118m NW	Midland Metro	tram
119m NW	Midland Metro	tram
139m NW	Midland Metro	tram
139m NW	Midland Metro	tram
177m S	Midland Metro	tram

Location	Name	Type
179m S	Midland Metro	tram
192m S	Midland Metro	tram
193m S	Midland Metro	tram
224m S	Metro Line Bridge	tram
224m S	Metro Line Bridge	tram
243m S	Midland Metro	tram
244m S	Midland Metro	tram

This data is sourced from Ordnance Survey and OpenStreetMap.

21.8 Crossrail 1

Records within 500m	0

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

This data is sourced from publicly available information by Groundsure.

21.9 Crossrail 2

Records within 500m	0

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

This data is sourced from publicly available information by Groundsure.

21.10 HS2

Records within 500m	0

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

This data is sourced from HS2 ltd.

Data providers

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

Terms and conditions

Groundsure's Terms and Conditions can be accessed at this link: https://www.groundsure.com/terms-and-conditions-jan-2020/.

COAL AUTHORITY MINING REPORT

The Coal Authority

Resolving the impacts of mining

British Geological Survey

Ground Stability Non-Residential Report

14 BRIDGE STREET, WEDNESBURY, SANDWELL, WS10 0AW

Date of enquiry:	23 June 2021
Date enquiry received:	23 June 2021
Issue date:	24 June 2021
Our reference:	51002557010001
Your reference:	29095

Ground Stability Non-Residential Report

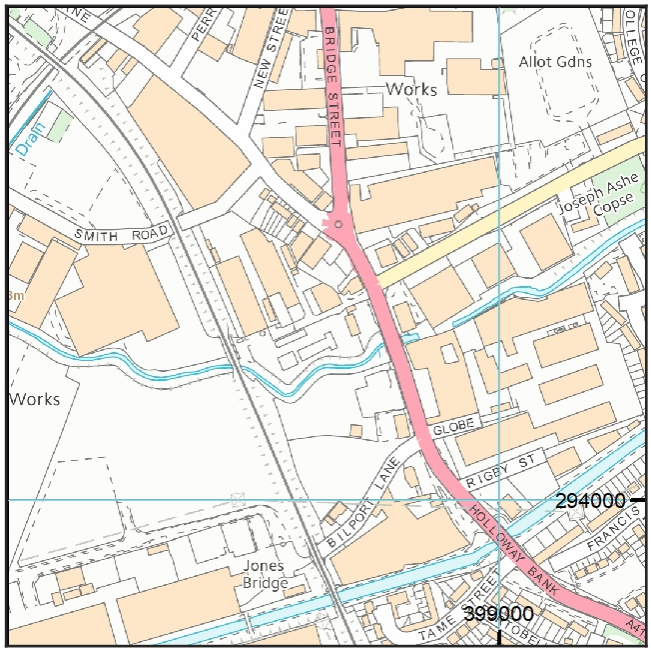
This report is based on and limited to the records held by the Coal Authority and the records and geological interpretation of the British Geological Survey (BGS) at the time the report was produced.

Client name

GGP CONSULT

Enquiry address

14 BRIDGE STREET, WEDNESBURY, SANDWELL, WS10 0AW



Approximate position of property

How to contact us

0345 762 6848 (UK)
+44 (0)1623 637 000 (International)

200 Lichfield Lane
Mansfield
Nottinghamshire
NG18 4RG

www.groundstability.com

/company/the-coal-authority
/thecoalauthority
/coalauthority

Coal Authority Summary

Has the search report highlighted evidence or potential of		
1	Past underground coal mining	Yes
2	Present underground coal mining	No
3	Future underground coal mining	Yes
4	Mine entries	Yes
5	Coal mining geology	No
6	Past opencast coal mining	No
7	Present opencast coal mining	No
8	Future opencast coal mining	No
9	Coal mining subsidence	Yes
10	Mine gas	No
11	Hazards related to coal mining	No
12	Withdrawal of support	No
13	Working facilities order	No
14	Payments to owners of former copyhold land	No

Further recommended reports
Mine entry interpretive report
Mine entry plan and data sheets
Coal mining subsidence claims history

BGS Summary

Has the search report highlighted evidence or potential of		
1	Shrinkable clay	Yes
2	Running sand	Yes
3	Deposits which could compress	Yes
4	Deposits which could collapse	No
5	Natural landslide activity	Yes
6	Soluble rocks	No

Detailed findings from the Coal Authority

1. Past underground coal mining

The property is in a surface area that could be affected by underground mining in 3 seams of coal at shallow to 60m depth, and last worked in 1912.

2. Present underground coal mining

The property is not within a surface area that could be affected by present underground mining.

3. Future underground coal mining

The property is not in an area where the Coal Authority has received an application for, and is currently considering whether to grant a licence to remove or work coal by underground methods.

The property is not in an area where a licence has been granted to remove or otherwise work coal using underground methods.

The property is not in an area likely to be affected from any planned future underground coal mining.

However, reserves of coal exist in the local area which could be worked at some time in the future.

No notices have been given, under section 46 of the Coal Mining Subsidence Act 1991, stating that the land is at risk of subsidence.

4. Mine entries

Within, or within 20 metres of, the boundary of the property there are 6 mine entries, the approximate positions of which are shown on the enquiry boundary plot. For reasons of clarity, mine entry symbols may not be drawn to the same scale as the plan.

Our records disclose the following information:

398294-108. was capped by British Coal in 1989

398294-110. No treatment details.

398294-109. No treatment details.

398294-111. No treatment details.

398294-107. No treatment details.

398294-112. No treatment details.

This information is based on the information that the Coal Authority has at the time of this enquiry.

Based on the Coal Authority's knowledge of the mining circumstances at the time of this enquiry, there may be unrecorded mine entries in the local area that do not appear on Coal Authority records.

For an additional fee, the Coal Authority can provide a Mine Entry Interpretive Report. The report will provide a separate assessment for the mine entry/entries referred to in this report. It gives an opinion on the likelihood of mining subsidence damage caused from ground movement as a consequence of the mine entry/entries. It also gives details of the remedies available for subsidence damage where the mine entry was sunk in connection with coal mining.

Please note that it may not be possible to produce a report if the main building to the property cannot be identified from Coal Authority plans (ie for development sites and new build).

For further advice on how to order this additional information please visit www.groundstability.com.

5. Coal mining geology

The Coal Authority is not aware of any damage due to geological faults or other lines of weakness that have been affected by coal mining.

6. Past opencast coal mining

The property is not within the boundary of an opencast site from which coal has been removed by opencast methods.

7. Present opencast coal mining

The property does not lie within 200 metres of the boundary of an opencast site from which coal is being removed by opencast methods.

8. Future opencast coal mining

There are no licence requests outstanding to remove coal by opencast methods within 800 metres of the boundary.

The property is not within 800 metres of the boundary of an opencast site for which a licence to remove coal by opencast methods has been granted.

9. Coal mining subsidence

A damage notice or claim for alleged subsidence damage was made in September 1995 for 1 BRIDGE STREET, WEDNESBURY, WEST MIDLANDS. However, the claim was rejected.

There is no current Stop Notice delaying the start of remedial works or repairs to the property.

The Coal Authority is not aware of any request having been made to carry out preventive works before coal is worked under section 33 of the Coal Mining Subsidence Act 1991.
If further subsidence damage claims information is required, please visit www.groundstability.com.

10. Mine gas

The Coal Authority has no record of a mine gas emission requiring action.

11. Hazards related to coal mining

The property has not been subject to remedial works, by or on behalf of the Coal Authority, under its Emergency Surface Hazard Call Out procedures.

12. Withdrawal of support

The property is not in an area where a notice to withdraw support has been given.

The property is not in an area where a notice has been given under section 41 of the Coal Industry Act 1994, cancelling the entitlement to withdraw support.

13. Working facilities order

The property is not in an area where an order has been made, under the provisions of the Mines (Working Facilities and Support) Acts 1923 and 1966 or any statutory modification or amendment thereof.

14. Payments to owners of former copyhold land

The property is not in an area where a relevant notice has been published under the Coal Industry Act 1975/Coal Industry Act 1994.

Comments on the Coal Authority information

The Coal Authority own the copyright in this report and the information used is protected by our database right.

The boundary plot shows the approximate location of the disused mine entry/entries referred to in this report. For reasons of clarity, mine entry symbols may not be drawn to the same scale as the plan.

Property owners have the benefit of statutory protection (under the Coal Mining Subsidence Act 1991*). This contains provision for the making good, to the reasonable satisfaction of the owner, of physical damage from disused coal mine workings including disused coal mine entries. A leaflet setting out the rights and obligations of either the Coal Authority or other responsible persons under the 1991 Act can be obtained by visiting www.groundstability.com.

If you wish to discuss the relevance of any of the information contained in this report, you should seek the advice of a qualified mining engineer or surveyor. If you or your advisor wish to examine the source plans from which the information has been taken, these are available to view, free of charge, at our Head Office in Mansfield. To book an appointment please ring 01623 637225. Should you or your advisor wish to carry out a physical investigation that may enter, disturb or interfere with any disused mine entry, prior permission of the owner must be sought. For coal mine entries, the owner will normally be the Coal Authority.

The Coal Authority, regardless of responsibility and in conjunction with other public bodies, provide an emergency call out facility in coalfield areas to assess the public safety implications of mining features (including disused mine entries). Our emergency telephone number is 01623 646333.

*Note, this Act does not apply where coal was worked or gotten by virtue of the grant of a gale in the Forest of Dean, or any other part of the Hundred of St. Briavels in the county of Gloucester.

In view of the mining circumstances a prudent developer would seek appropriate technical advice before any works are undertaken.

Therefore if development proposals are being considered, technical advice relating to both the

investigation of coal and former coal mines and their treatment should be obtained before beginning work on site. All proposals should apply good engineering practice developed for mining areas. No development should be undertaken that intersects, disturbs or interferes with any coal or mines of coal without the permission of the Coal Authority. Developers should be aware that the investigation of coal seams/former mines of coal may have the potential to generate and/or displace underground gases and these risks both under and adjacent to the development should be fully considered in developing any proposals. The need for effective measures to prevent gases entering into public properties either during investigation or after development also needs to be assessed and properly addressed. This is necessary due to the public safety implications of any development in these circumstances.

A site investigation was carried out in January 2006 by Scott Wilson Kirkpatrick & Co Limited., for Metropolitan Steels Limited.

Detailed findings from BGS

1. Shrinkable clay

The property is in an area underlain by clay. Clay can swell or shrink if the moisture content changes.

However, the clay deposits in this area are considered to be mainly of "low plasticity". This means it is unlikely that they will cause ground movement.

2. Running sand

The property is in an area underlain by sand. Some sands, if voids are present, may flow if they come into contact with water.

However, the sand deposits in this area are unlikely to cause ground movement unless changes in water levels occur.

3. Deposits which could compress

The property is in an area underlain by natural compressible deposits. When this material is overloaded, or dries out, it can become unstable causing ground movement.

Because of these compressible deposits, ground movement could occur. Avoid large differential loadings of ground. Do not drain or dewater ground near the property without technical advice.

4. Deposits which could collapse

The property is not in an area underlain by deposits which could collapse and cause ground movement.

5. Natural landslide activity

The property is in an area where the local geology and steepness of slope could increase the likelihood of landslide activity. However, this risk is unlikely to occur unless considerable changes are made to the ground.

6. Soluble rocks

The property is not in an area underlain by soluble rocks.

Comments on the BGS information

These features should not necessarily give cause for concern.

Whether or not a property is affected by ground movement can depend on a number of factors such as its age, type of construction, and on its surroundings and such matters as drainage and nearby trees.

Since 1992 buildings should have been designed and constructed according to buildings regulations to ensure natural ground movement will not cause damage to a building.

However, you should consider the possible consequences before you:
- carry out any building or excavation work
- alter the ground surface or drainage of surface or ground water
- plant or remove large shrubs or trees

Ground movement can cause uneven damage or subsidence to a property.

Developers should always carry out an appropriate risk assessment before starting any work on, or around, a property.

If you own the property and it is damaged by ground movement: You should contact your insurance company and anyone else who has an interest in the property, for example, the mortgage lender.

If you are considering buying the property and BGS has identified that ground movement could occur you should tell your professional advisers.

Additional remarks

This report has been prepared in accordance with the Law Society's Guidance Notes 2018, the User Guide 2018 and the Coal Authority and the British Geological Survey's Terms and Conditions applicable at the time the report was produced. The information provided by the Coal Authority has been compiled in response to the Law Society's CON29M Coal Mining enquiries and is protected by copyright owned by the Law Society of 113 Chancery Lane, London WC2A 1PL.

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Alternative formats

If you would like this information in an alternative format, please contact our communications team on 0345 762 6848 or email communications@coal.gov.uk.

Terms and conditions

Our full terms and conditions can be found on our website – www.groundstability.com.

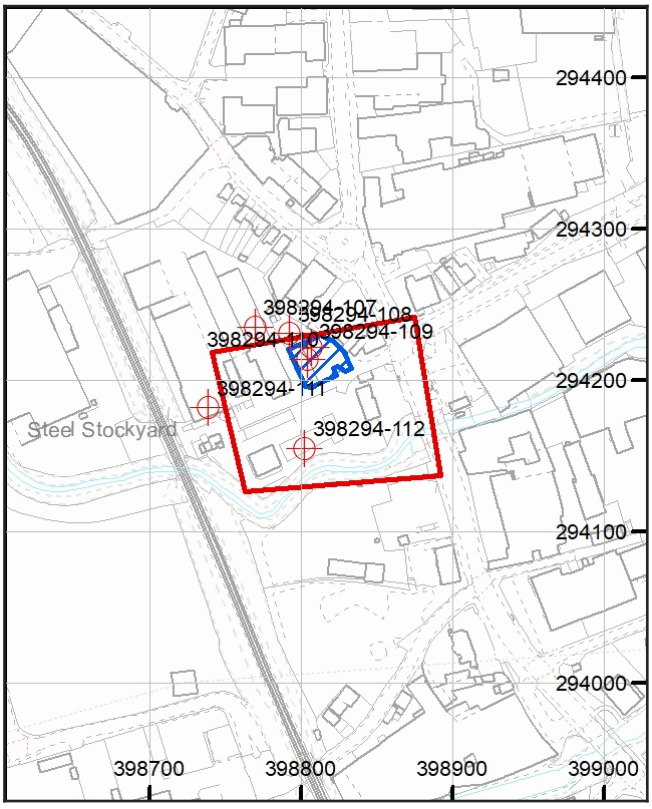
Enquiry boundary

Key

Approximate position of enquiry boundary shown

Disused mineshaft

Coal claims



Map data

How to contact us

0345 762 6848 (UK)
+44 (0)1623 637 000 (International)

200 Lichfield Lane
Mansfield
Nottinghamshire
NG18 4RG

www.groundstability.com

/company/the-coal-authority
/thecoalauthority
/coalauthority

General information

This report has been prepared by the Coal Authority using the information held by the Authority, together with information supplied by the British Geological Survey (BGS).

1. The Coal Authority and the British Geological Survey (BGS) are referred to in the report as the suppliers.
2. This report is confidential and has been prepared specifically for the property and for use by the owner only. It should not be relied upon by any other property or by any other third party.
3. The report is based on and limited to:
   a. the specific features identified in the report
   b. each suppliers interpretation of the records it holds relating to the particular features for which the report states that the supplier is responsible at the time the report is prepared
4. The records used do not represent an exhaustive or comprehensive list of all the records that may exist or may be available for the property. No physical inspection of the property has or will be carried out in the preparation of this report.
5. Information from the Coal Authority is based on records in its possession relating to coal mining activity. There may be information held by others on historical coal mining, and information on other types of mining, which is not searched for as part of this report.
6. Information from BGS relates solely to the 6 natural ground stability hazards as described in this report. It does not cover any other geological hazards or man-made hazards (such as contaminated land). BGS may hold data on other geological hazards and features that may affect the property which are not searched for as part of this report. Consequently the report should not be taken as a guarantee that there are no other geological hazards or other issues affecting the property. For a more detailed interpretation please visit the BGS's website www.bgs.as.uk
7. Information from BGS is prepared using the BGS GeoSure database which is based on 1:10,000 scale geological mapping reduced to 1:50,000 scale.

8. The information from suppliers may be derived from records from a number of disparate sources which vary in age, quantity and quality. Such records may include material donated to the suppliers from third parties, which may not have been subject to any verifications or other quality control process.

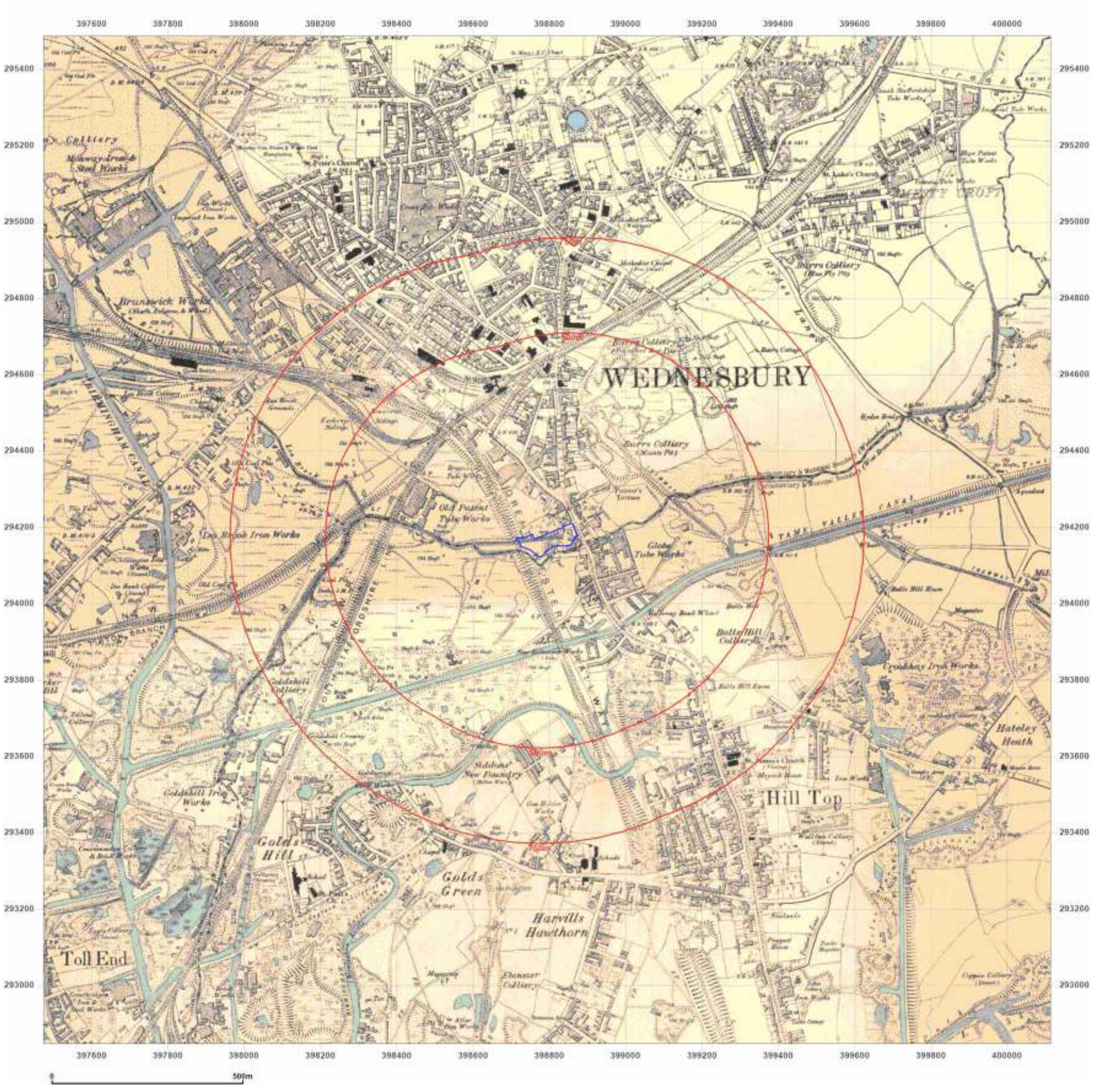
9. Raw data used to prepare this report may have been transcribed from analogue to digital format, or may have been acquired by means of automated measuring techniques. Consequently, some data may have been processed without human intervention and may contain undetected errors.

10. The records available to the suppliers are constantly being updated. The suppliers cannot be held responsible for any changes in the information on which this report is based which occur after the date the report was produced.

11. If this report is for a residential property, insurance is included. This report includes a policy and key facts summary which outline the significant features, benefits and limitations of the cover provided. Full terms and conditions are shown in the policy document.

12. The report gives an indication of whether ground movement could occur at the property. This does not necessarily mean that the property is or will be affected by ground instability. Such an assessment can only be made by inspection of the property by a qualified professional, such as a surveyor or engineer. This report does not therefore –
    - include any information or warranty relating to the actual state, or the structural or other condition, of the property
    - determine the saleability or value, or the safety, of the property
    - indicate the suitability of the property for any particular purpose (including, without limitation, its suitability for development (within the meaning of section 55 of the Town and Country Planning Act 1990 as amended) or any building, excavation or landscaping work)
    - act as a substitute for any physical inspection, specialist interpretations and/or professional advice

SMALL SCALE SURVEY PLANS



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Site Details:

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Client Ref: 4199
Report Ref: CMAPS-CM-984518-4199-170821HIS
Grid Ref: 398793, 294166

Map Name: County Series

Map date: **1888**

Scale: 1:10,560

Printed at: 1:10,560

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Surveyed 1888
Revised 1888
Edition N/A
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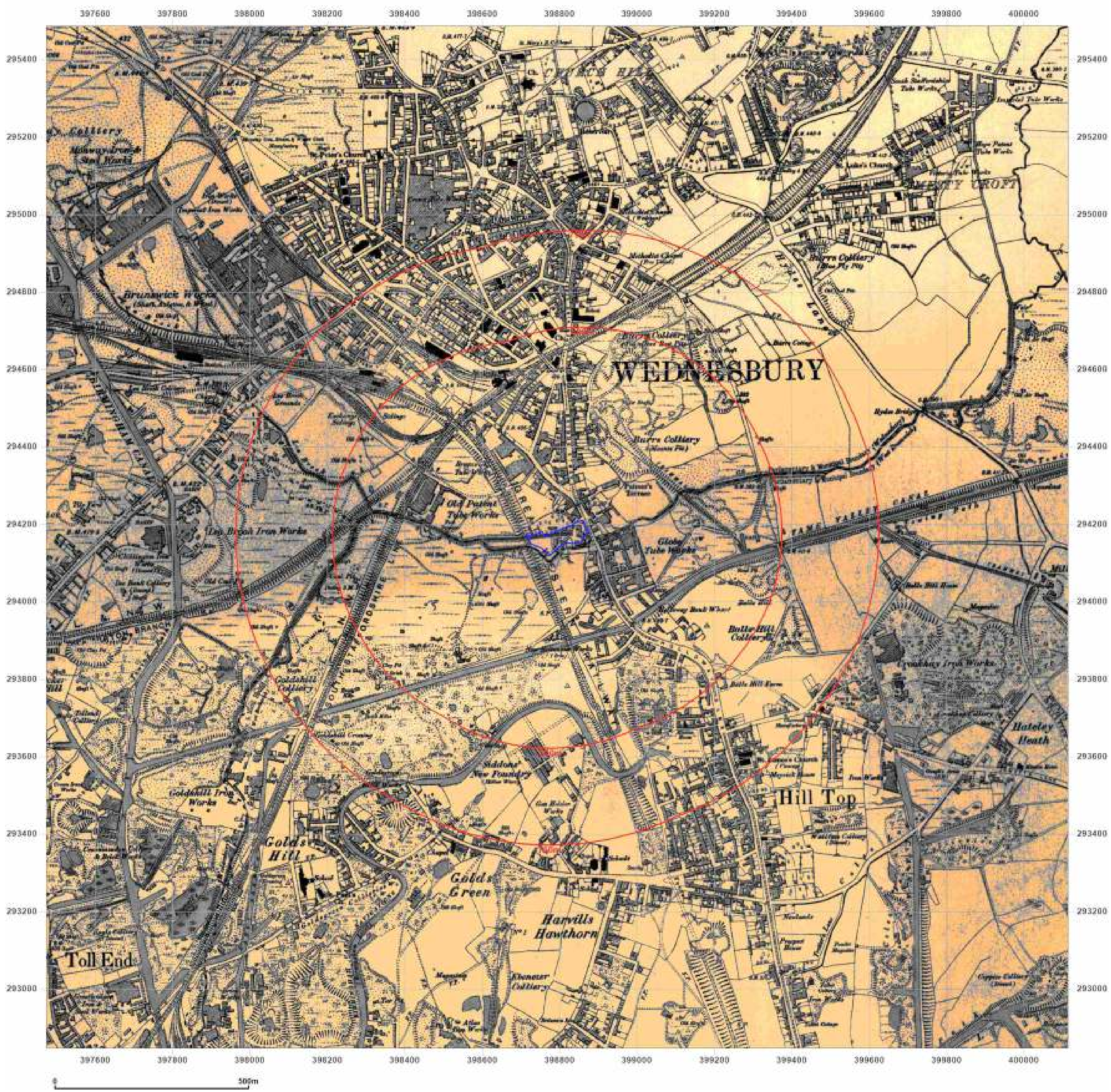

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Client Ref: 4199
Report Ref: CMAPS-CM-984518-4199-170821HIS
Grid Ref: 398793, 294166

Map Name: County Series

Map date: **1889**

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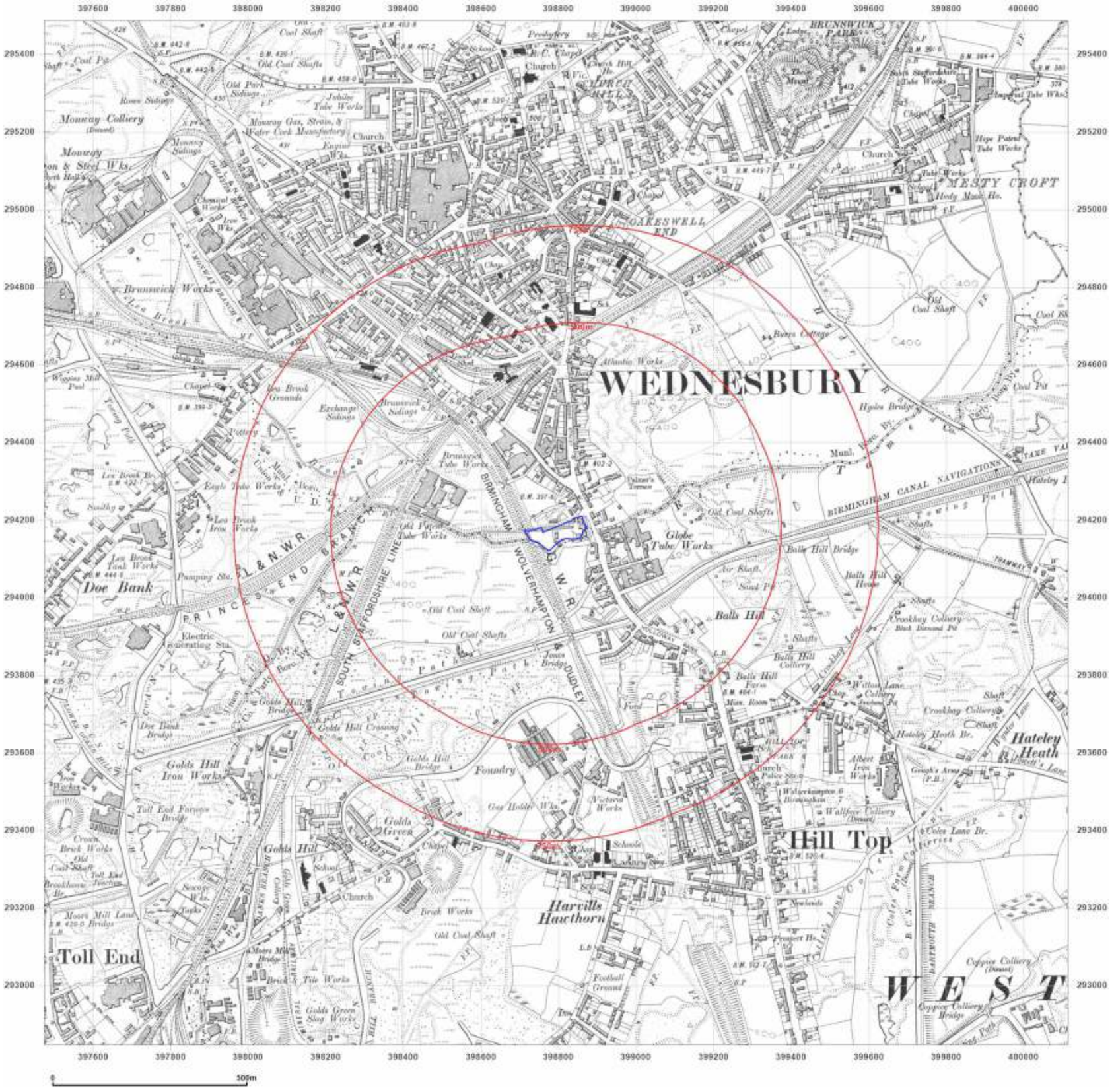

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Client Ref: 4199
Report Ref: CMAPS-CM-984518-4199-170821HIS
Grid Ref: 398793, 294166

Map Name: County Series
Map date: **1901-1902**
Scale: 1:10,560
Printed at: 1:10,560

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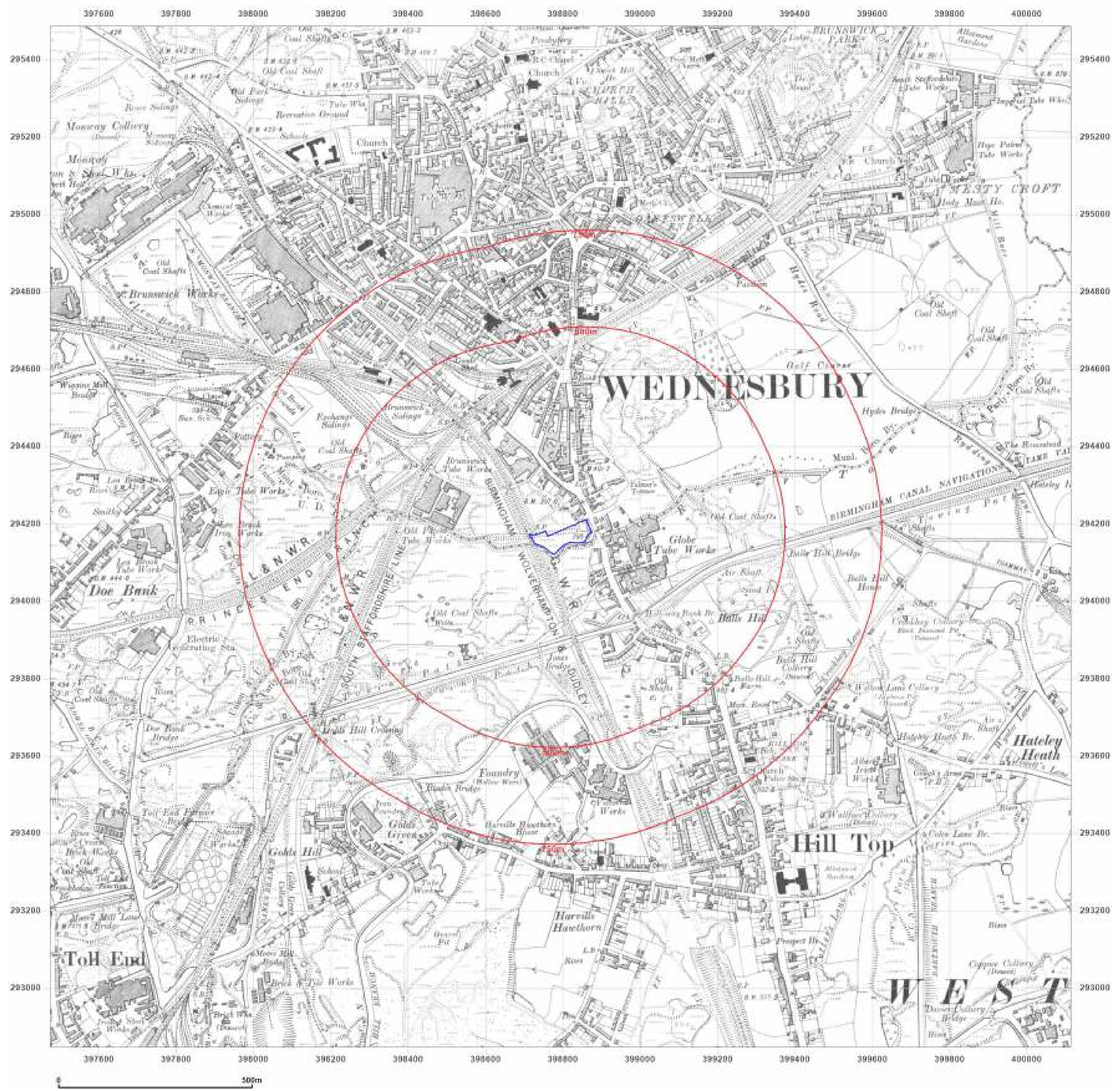

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Client Ref: 4199
Report Ref: CMAPS-CM-984518-4199-170821HIS
Grid Ref: 398793, 294166

Map Name: County Series

Map date: **1913**

Scale: 1:10,560

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Revised 1913
Edition N/A
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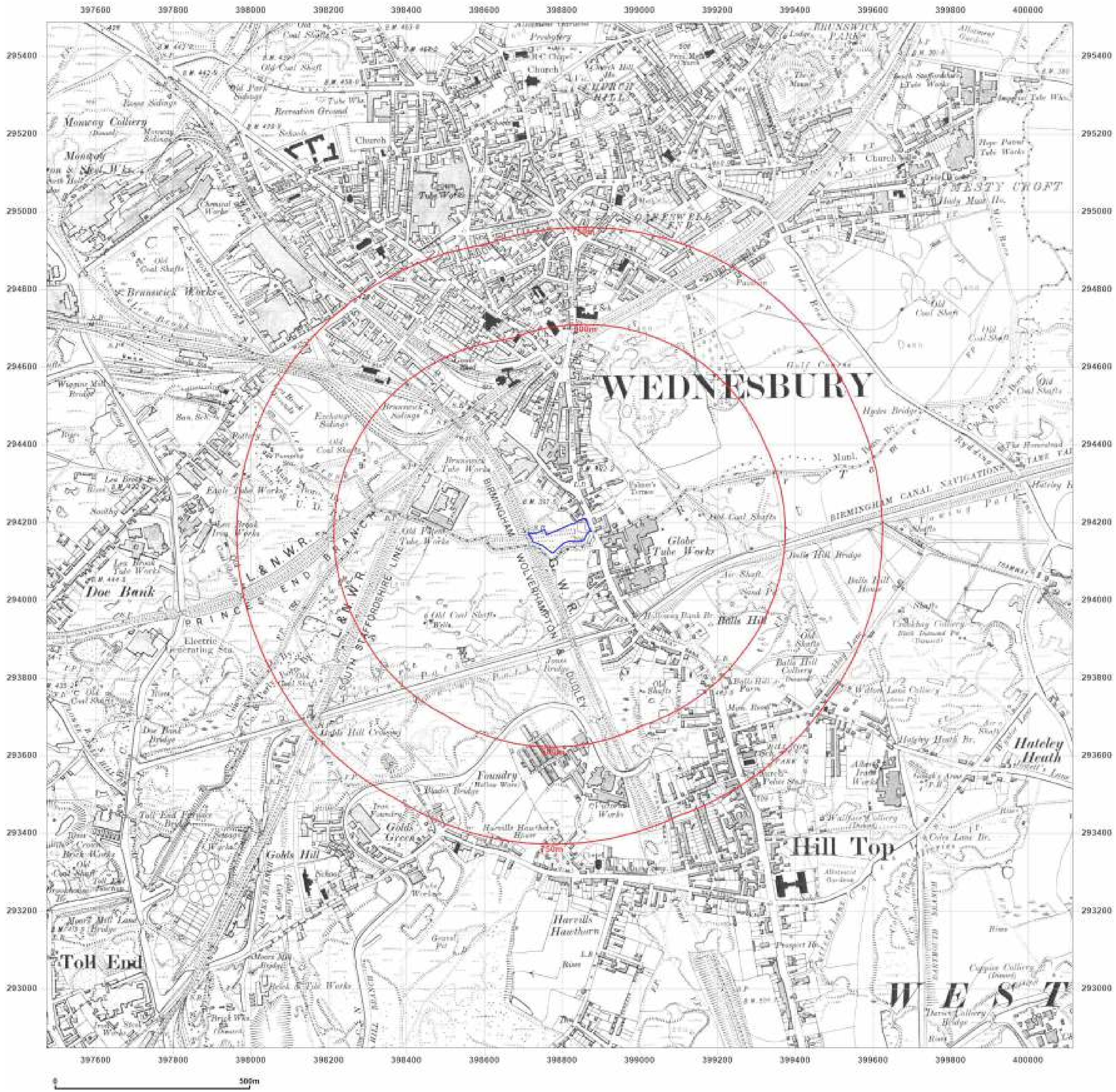

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Client Ref: 4199
Report Ref: CMAPS-CM-984518-4199-170821HIS
Grid Ref: 398793, 294166

Map Name: County Series

Map date: **1921**

Scale: 1:10,560

Printed at: 1:10,560

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Revised 1921
Edition N/A
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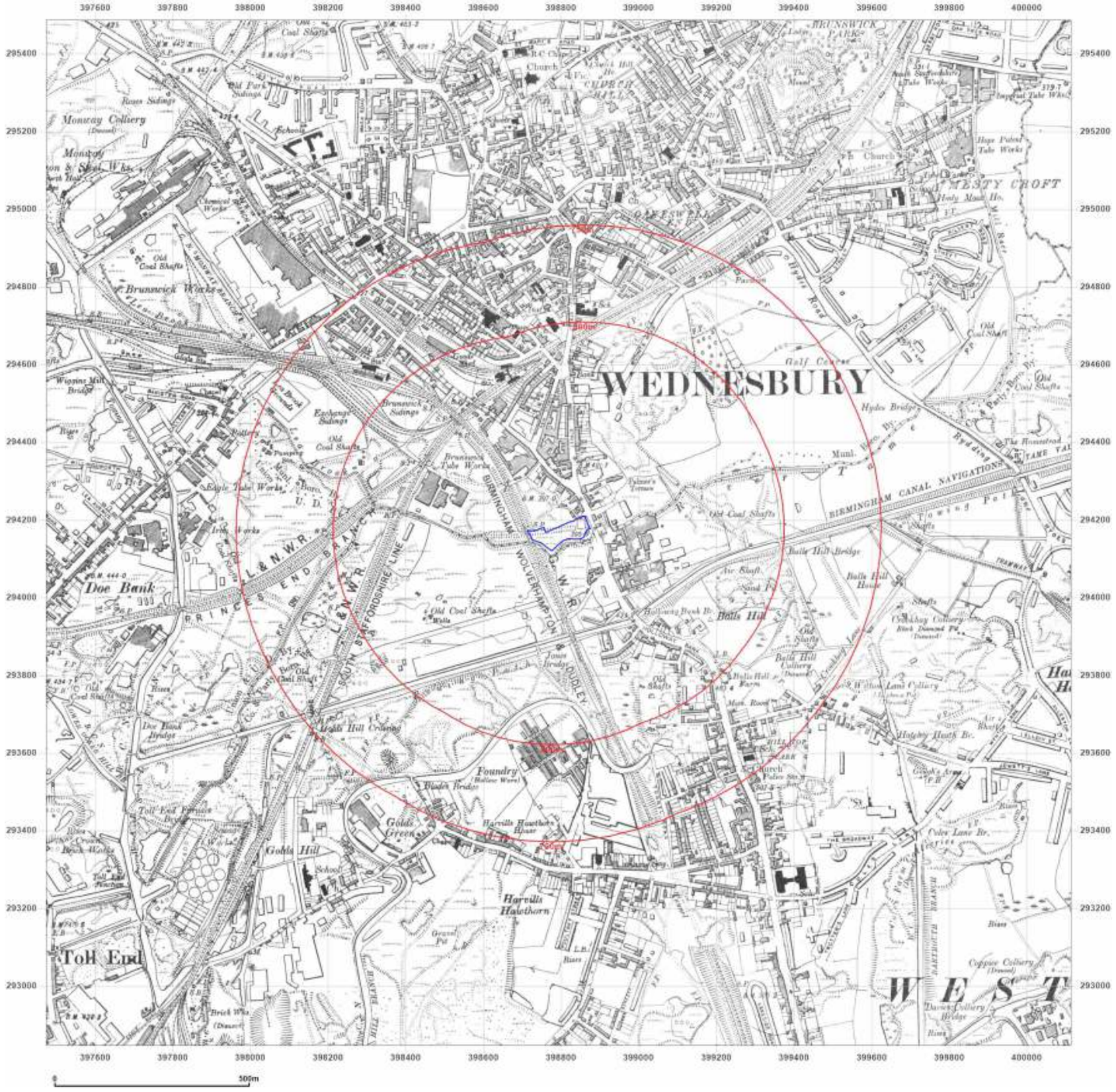

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Site Details:

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Client Ref: 4199
Report Ref: CMAPS-CM-984518-4199-170821HIS
Grid Ref: 398793, 294166

Map Name: County Series

Map date: **1938**

Scale: 1:10,560

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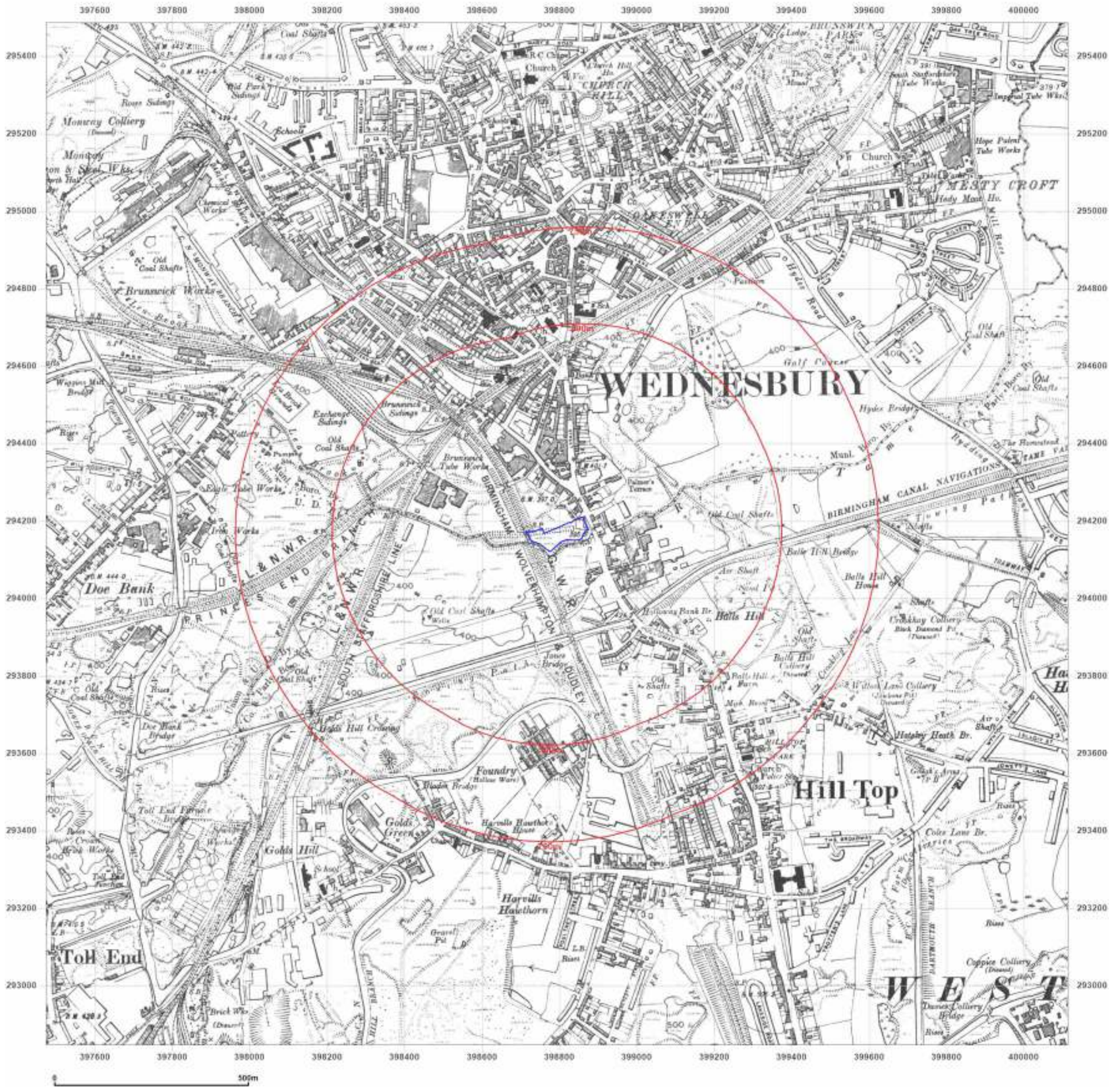

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Client Ref: 4199
Report Ref: CMAPS-CM-984518-4199-170821HIS
Grid Ref: 398793, 294166

Map Name: County Series
Map date: **1938**
Scale: 1:10,560
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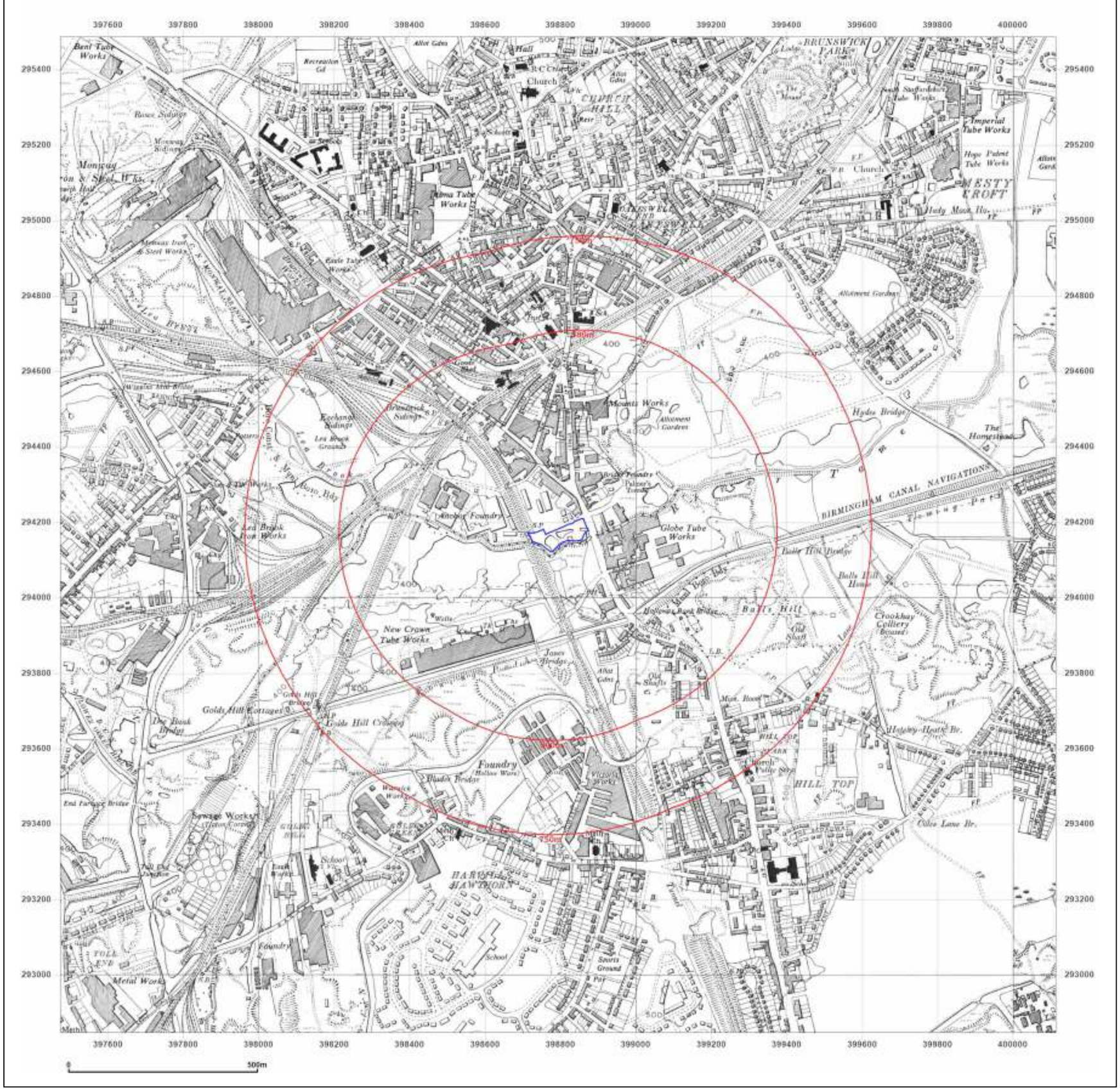

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Client Ref: 4199
Report Ref: CMAPS-CM-984518-4199-170821HIS
Grid Ref: 398793, 294166

Map Name: Provisional
Map date: **1955**
Scale: 1:10,560
Printed at: 1:10,560

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Revised 1955
Edition N/A
Copyright N/A
Levelled N/A

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Edition 1955
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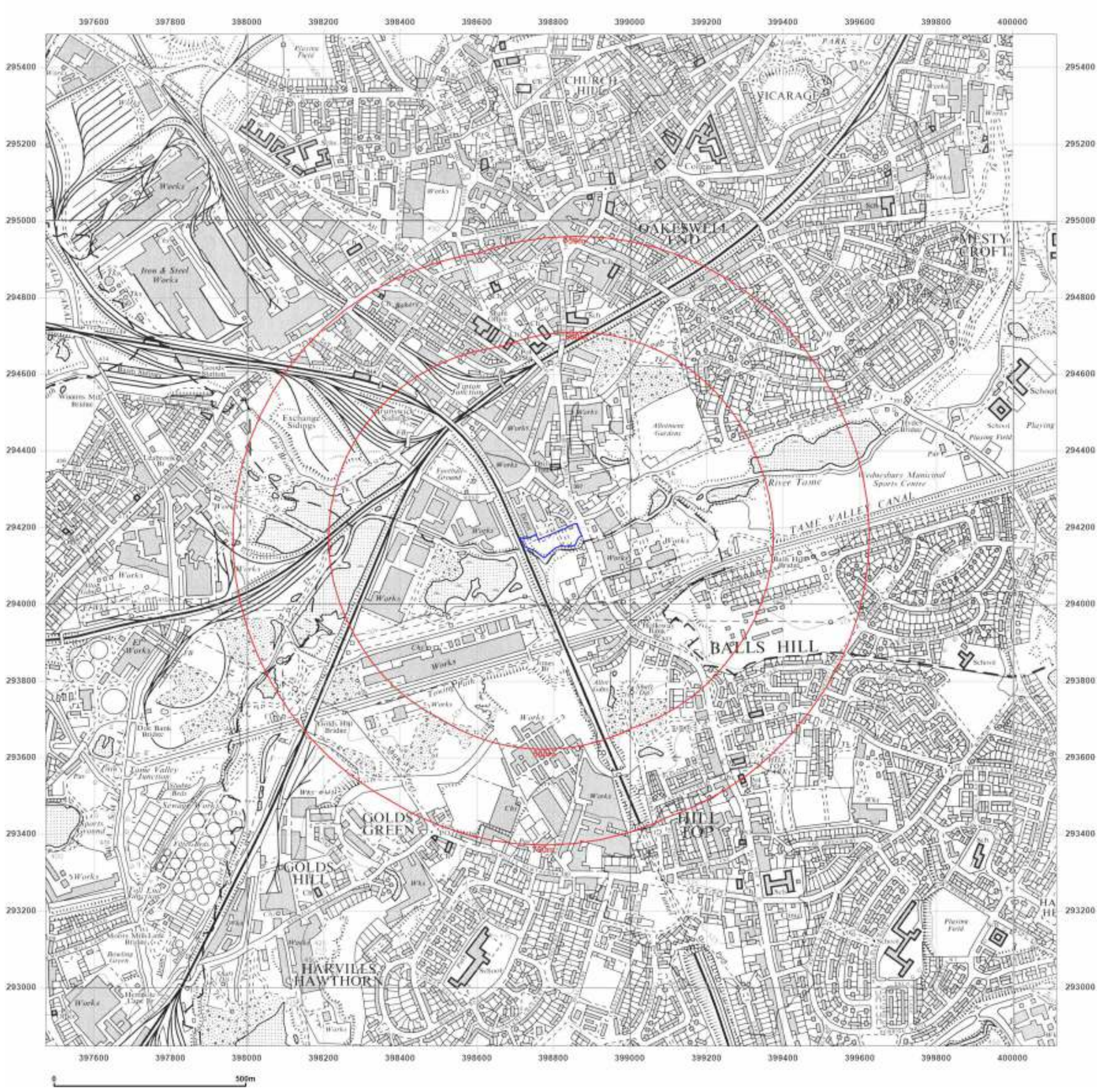

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Client Ref: 4199
Report Ref: CMAPS-CM-984518-4199-170821HIS
Grid Ref: 398793, 294166

Map Name: Provisional
Map date: **1967-1970**
Scale: 1:10,560
Printed at: 1:10,560

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Surveyed 1968
Revised 1968
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1970
Revised 1970
Edition N/A
Copyright N/A
Levelled N/A

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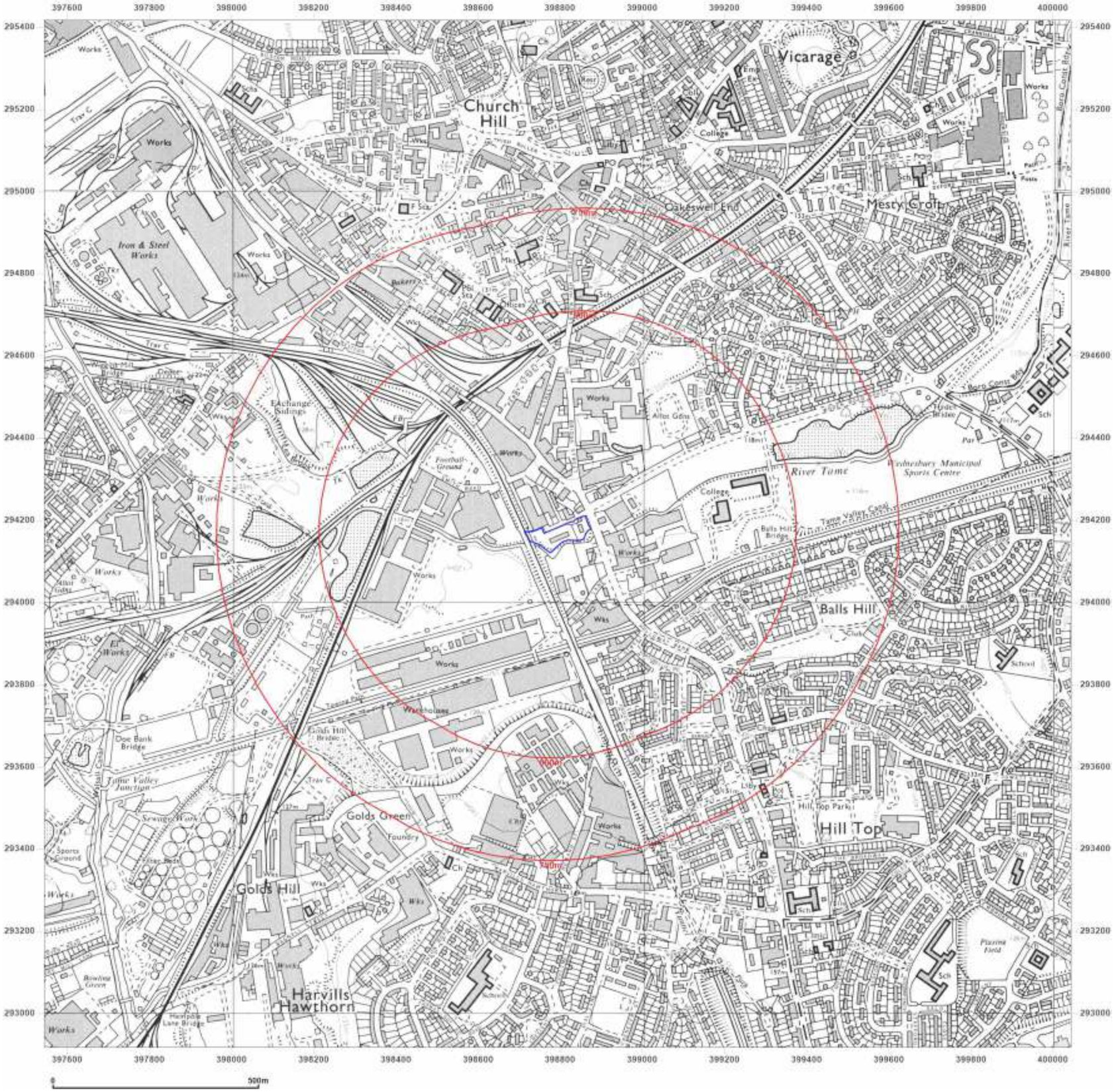

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Client Ref: 4199
Report Ref: CMAPS-CM-984518-4199-170821HIS
Grid Ref: 398793, 294166

Map Name: National Grid
Map date: **1980-1981**
Scale: 1:10,000
Printed at: 1:10,000

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Surveyed 1977
Revised 1980
Edition N/A
Copyright 1980
Levelled 1978

Surveyed 1979
Revised 1981
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1976
Revised 1980
Edition N/A
Copyright 1980
Levelled 1978

Surveyed 1977
Revised 1980
Edition N/A
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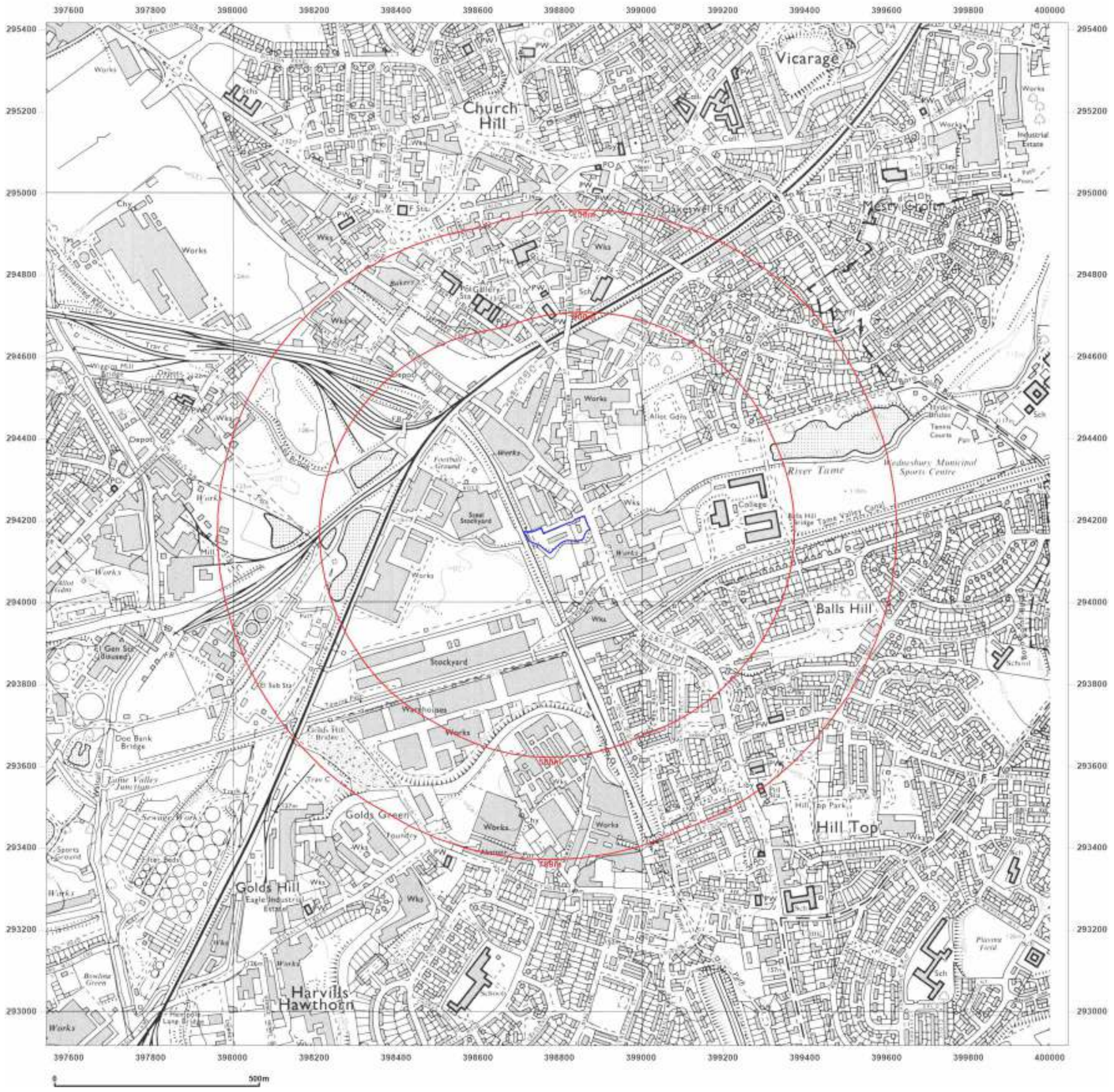

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Site Details:

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Client Ref: 4199
Report Ref: CMAPS-CM-984518-4199-170821HIS
Grid Ref: 398793, 294166

Map Name: National Grid

Map date: **1985-1988**

Scale: 1:10,000

Printed at: 1:10,000

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Surveyed 1987
Revised 1988
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1983
Revised 1985
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Map legend available at:
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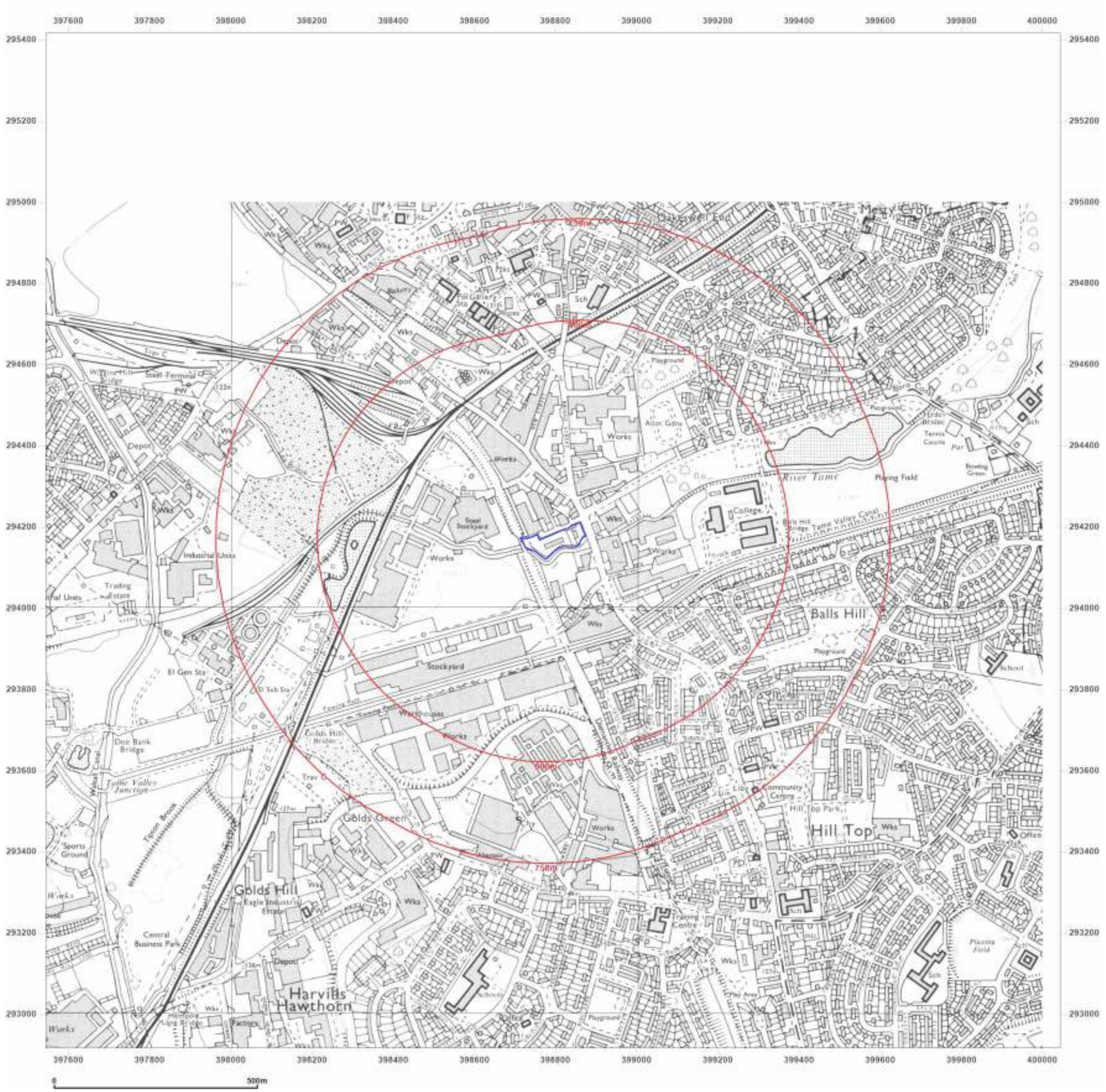

CENTRE MAPS LIVE.
FOR A BETTER POINT OF VIEW

Site Details:

Avantigas Ltd, Holloway Bank,
Wednesbury, WS10 0AW

Client Ref: 4199
Report Ref: CMAPS-CM-984518-4199-170821HIS
Grid Ref: 398793, 294166

Map Name: National Grid
Map date: **1992**
Scale: 1:10,000
Printed at: 1:10,000

N
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Surveyed 1991
Revised 1992
Edition N/A
Copyright N/A
Levelled N/A

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Production date: 17 August 2021

Map legend available at:
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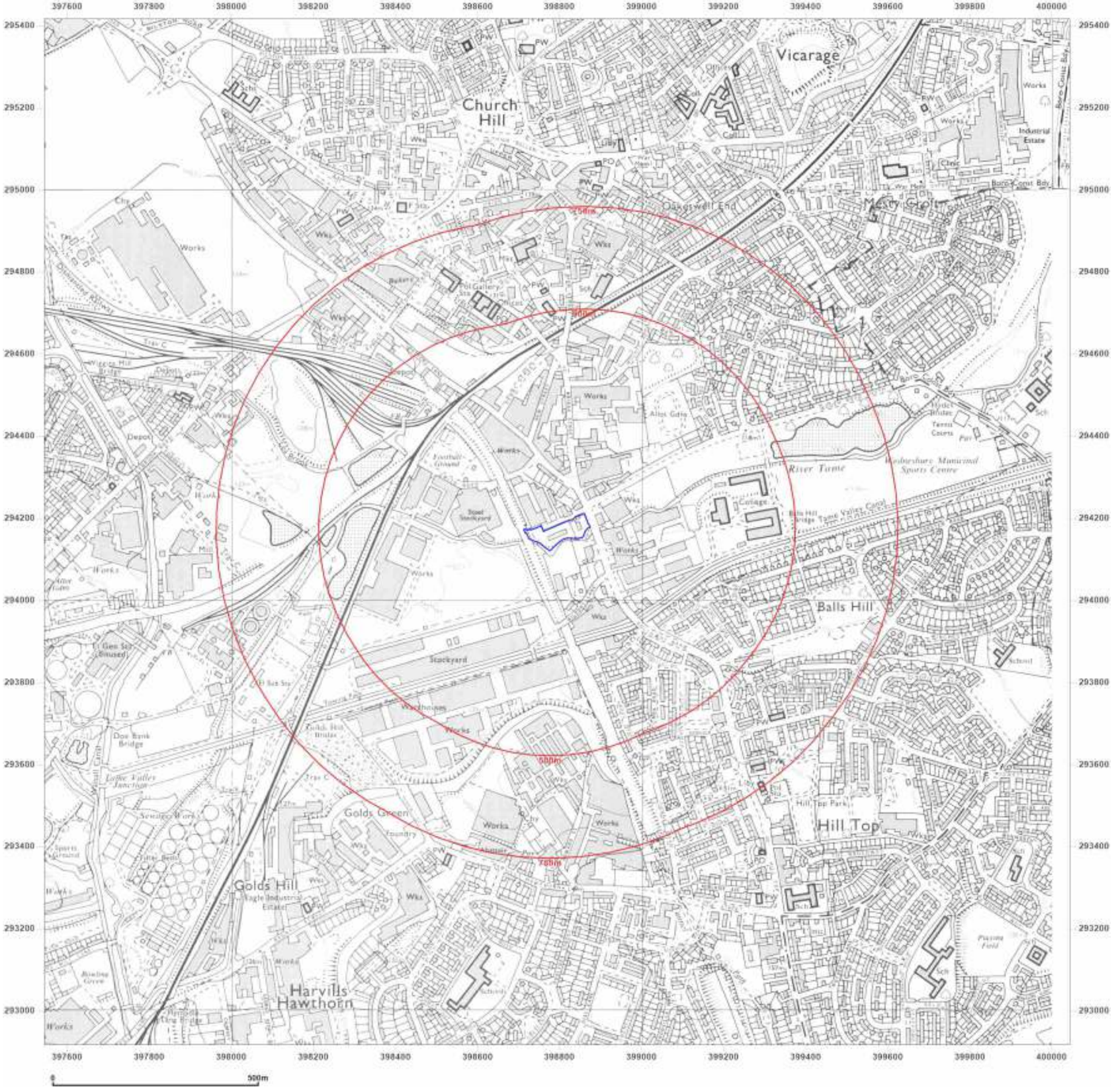

CENTRE MAPS LIVE.
FOR A BETTER POINT OF VIEW

Site Details:

Avantigas Ltd, Holloway Bank,
Wednesbury, WS10 0AW

Client Ref: 4199
Report Ref: CMAPS-CM-984518-4199-170821HIS
Grid Ref: 398793, 294166

Map Name: National Grid
Map date: **1988-1993**
Scale: 1:10,000
Printed at: 1:10,000

N
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Surveyed 1991
Revised 1993
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1979
Revised 1992
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1983
Revised 1988
Edition N/A
Copyright N/A
Levelled N/A

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Site Details:

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Wednesbury, WS10 0AW

Client Ref: 4199
Report Ref: CMAPS-CM-984518-4199-170821HIS
Grid Ref: 398793, 294166

Map Name: National Grid
Map date: **2001**
Scale: 1:10,000
Printed at: 1:10,000

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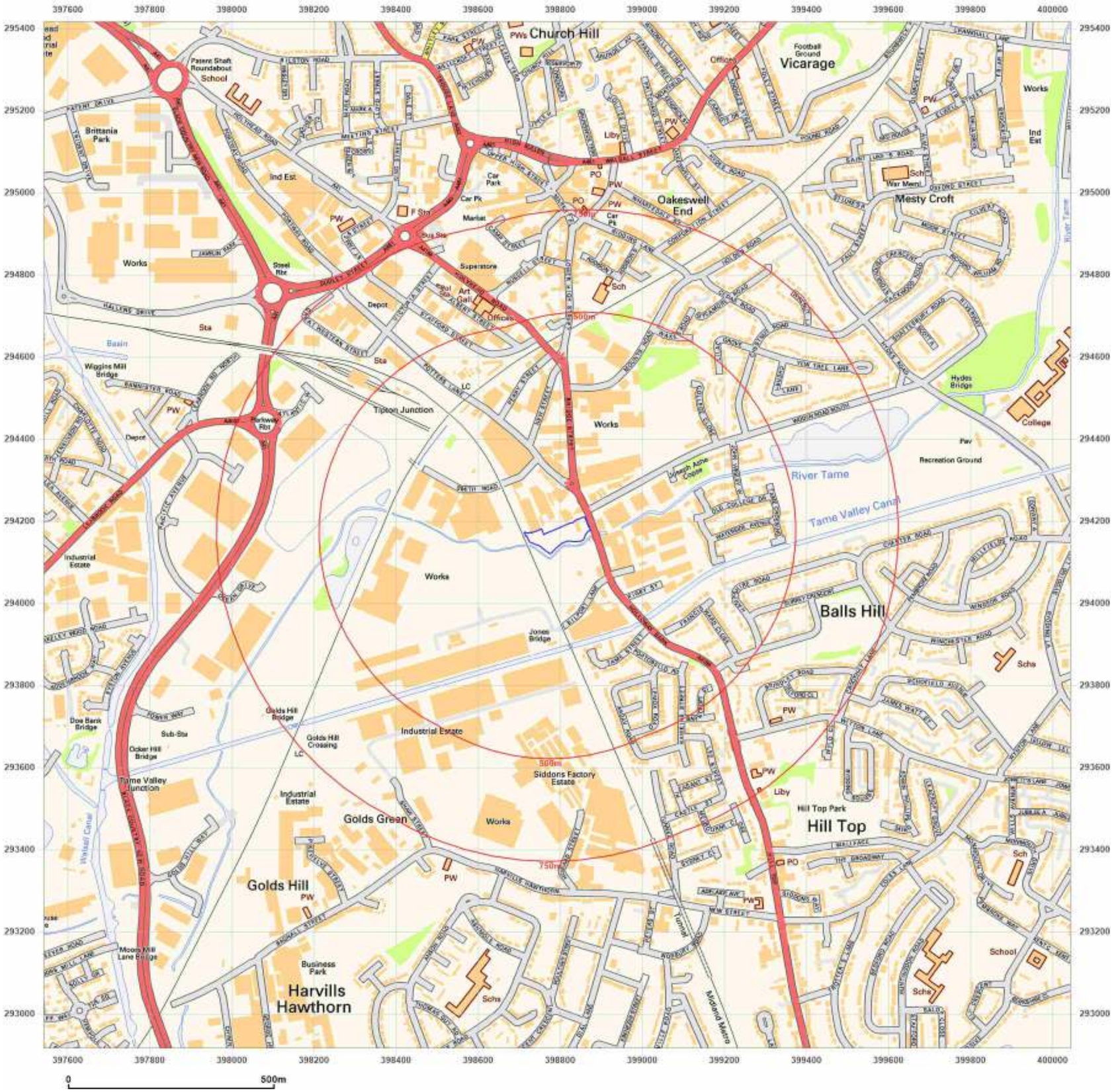

CENTRE MAPS LIVE.
FOR A BETTER POINT OF VIEW

Site Details:

Avantigas Ltd, Holloway Bank,
Wednesbury, WS10 0AW

Client Ref: 4199
Report Ref: CMAPS-CM-984518-4199-170821HIS
Grid Ref: 398793, 294166

Map Name: National Grid
Map date: **2010**
Scale: 1:10,000
Printed at: 1:10,000

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2010

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Map legend available at:
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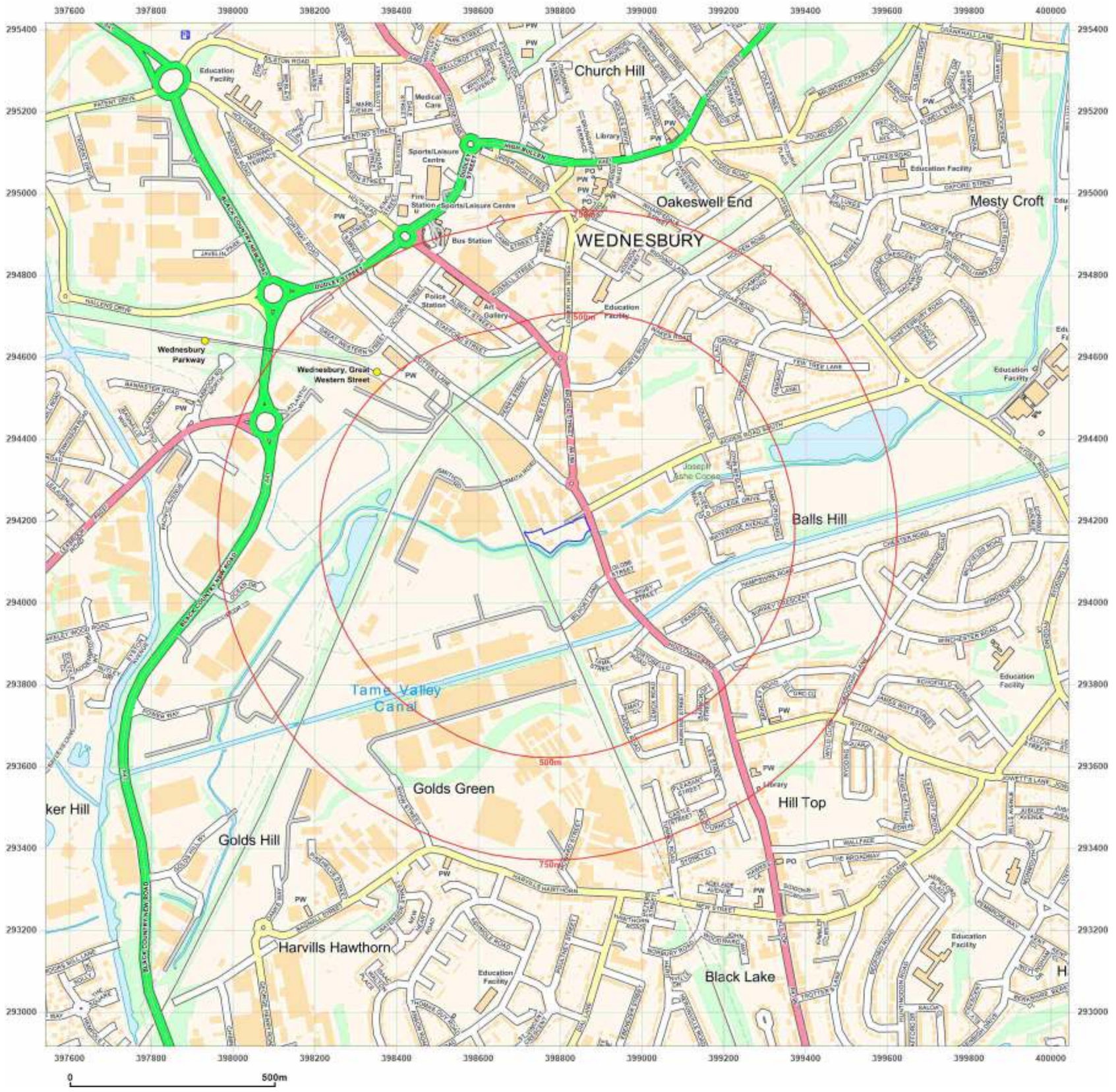

CENTRE MAPS LIVE.
FOR A BETTER POINT OF VIEW

Site Details:

Avantigas Ltd, Holloway Bank,
Wednesbury, WS10 0AW

Client Ref: 4199
Report Ref: CMAPS-CM-984518-4199-170821HIS
Grid Ref: 398793, 294166

Map Name: National Grid
Map date: **2021**
Scale: 1:10,000
Printed at: 1:10,000

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2021

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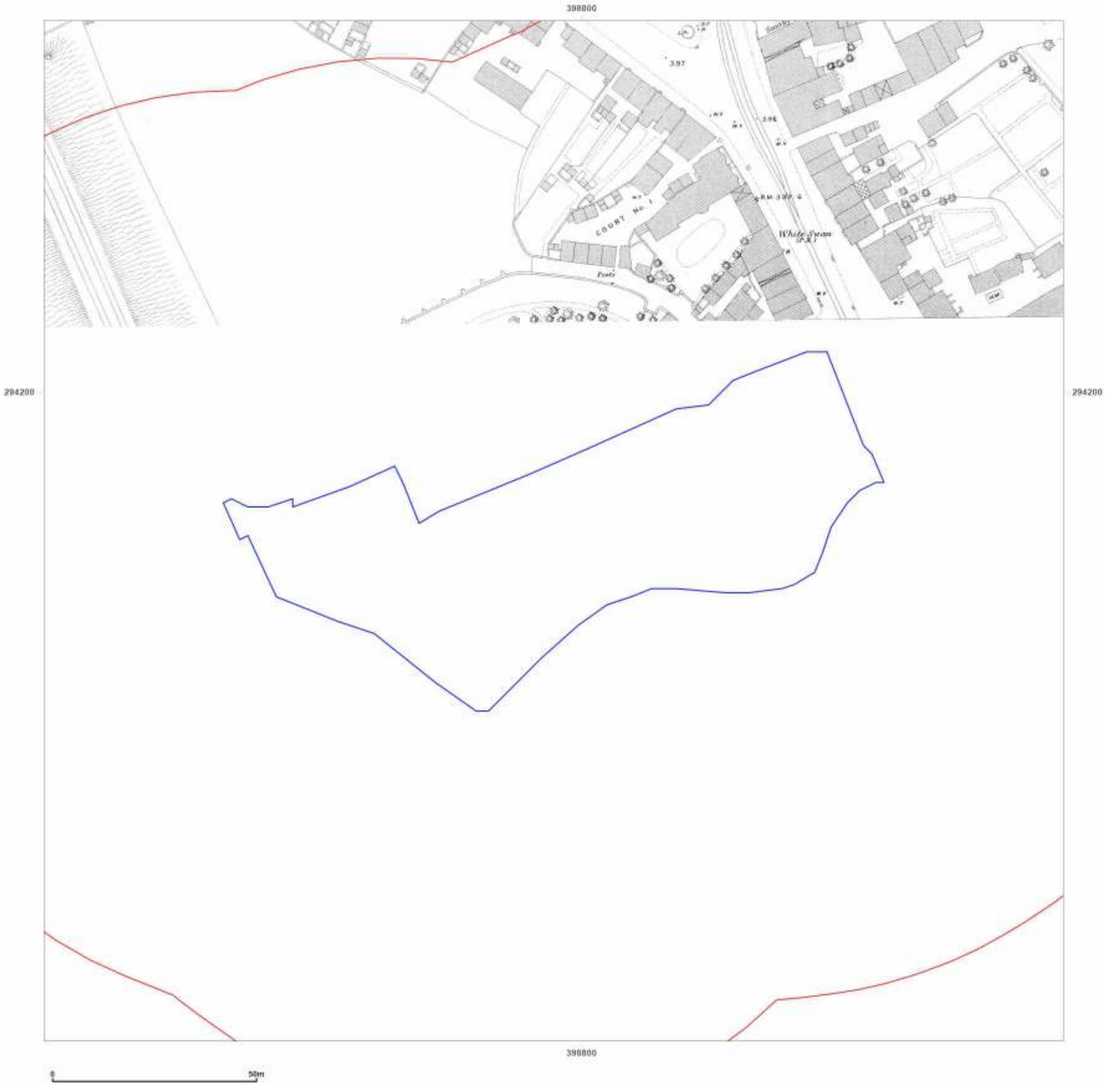
LARGE SCALE SURVEY PLANS



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FOR A BETTER POINT OF VIEW

Site Details:

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Wednesbury, WS10 0AW

Client Ref: 4199
Report Ref: CMAPS-CM-984518-4199-170821HIS
Grid Ref: 398793, 294166

Map Name: County Series Town Plan
Map date: **1889**
Scale: 1:500
Printed at: 1:1,000

N
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Surveyed 1889
Revised N/A
Edition N/A
Copyright N/A
Levelled N/A

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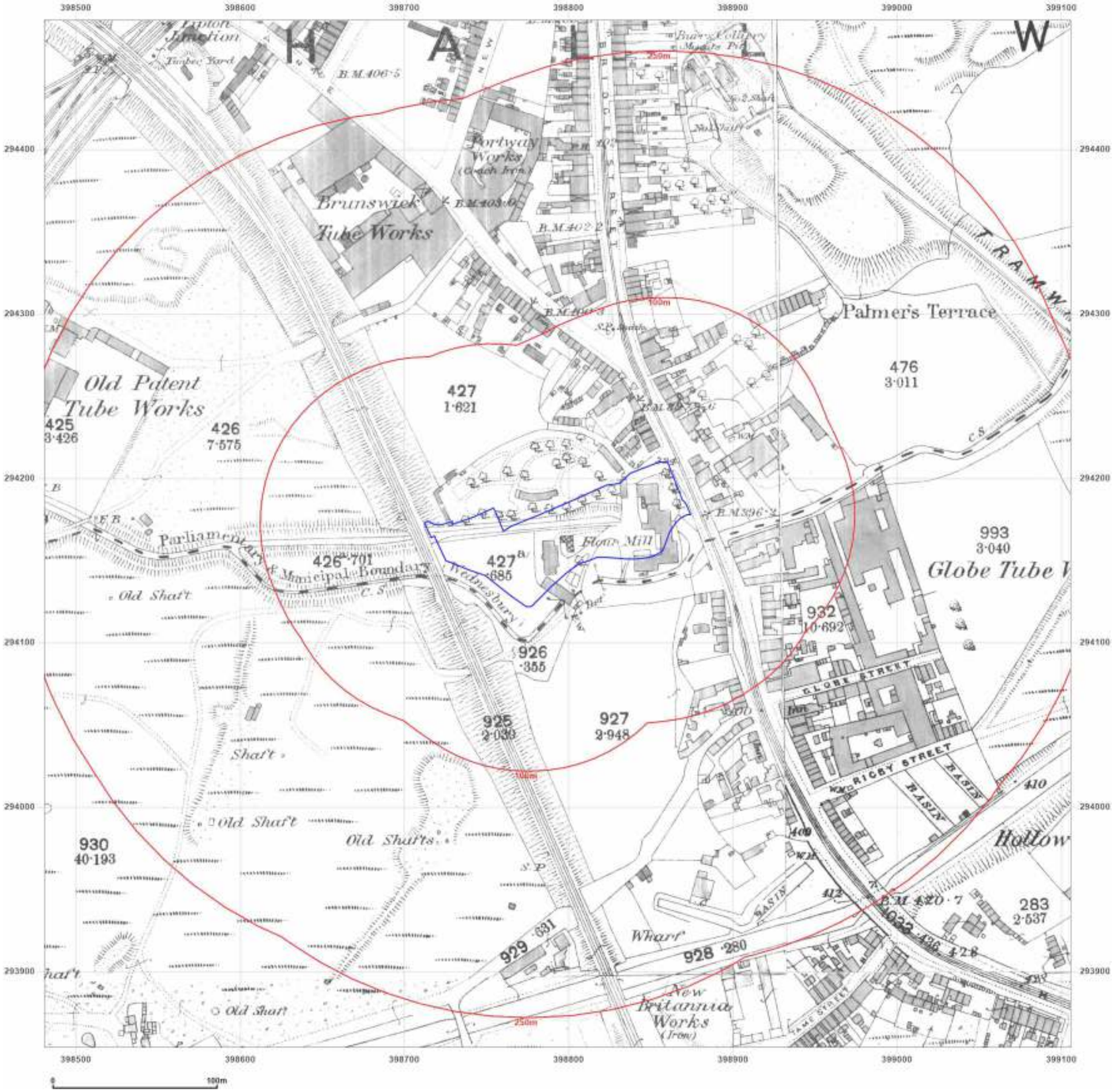

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FOR A BETTER POINT OF VIEW

Site Details:

Avantigas Ltd, Holloway Bank,
Wednesbury, WS10 0AW

Client Ref: 4199
Report Ref: CMAPS-CM-984518-4199-170821HIS
Grid Ref: 398793, 294166

Map Name: County Series
Map date: **1890**
Scale: 1:2,500
Printed at: 1:2,500

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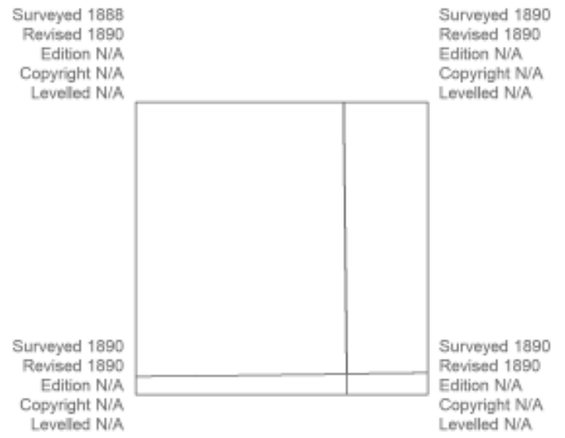

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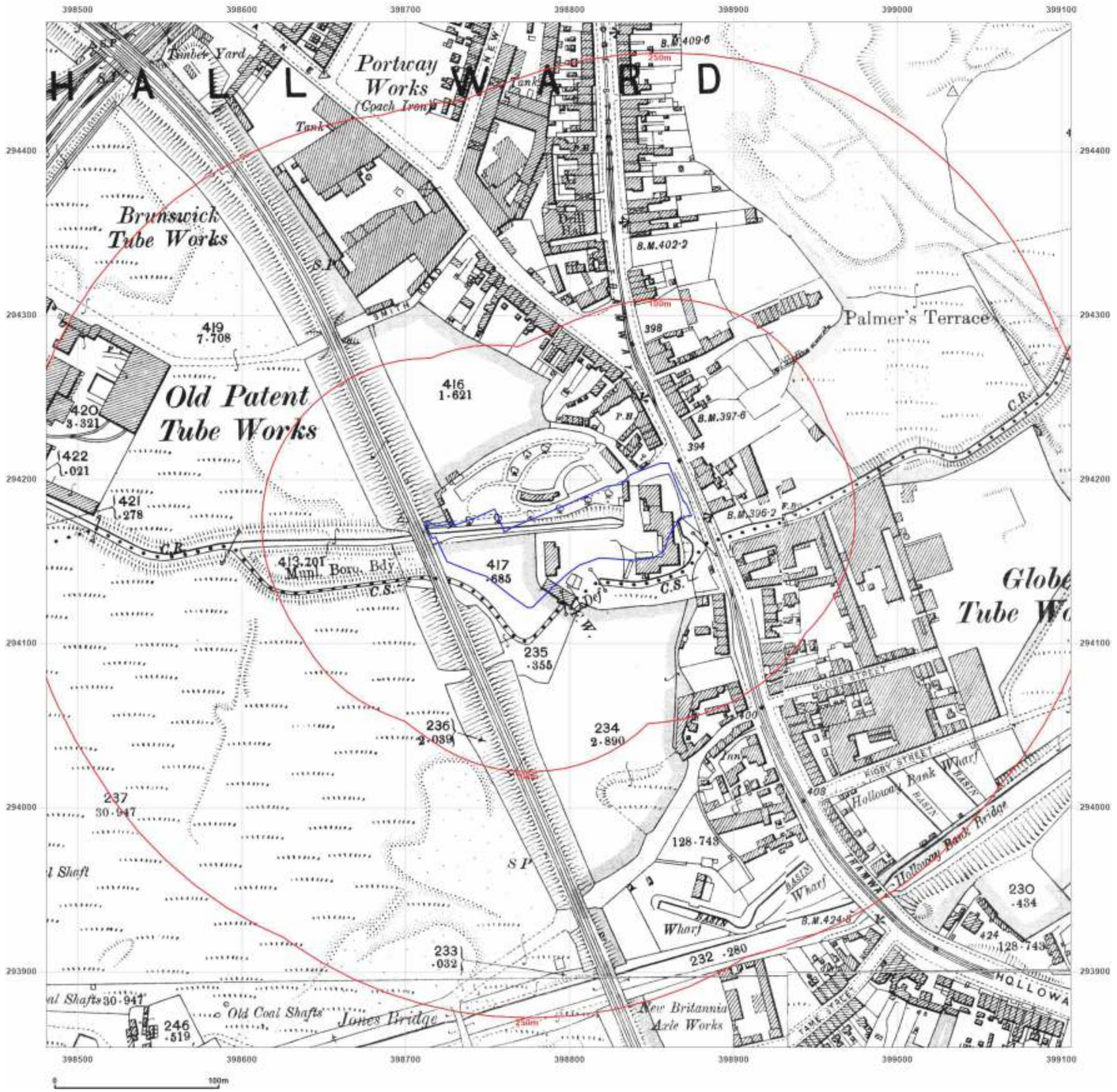

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Client Ref: 4199
Report Ref: CMAPS-CM-984518-4199-170821HIS
Grid Ref: 398793, 294166

Map Name: County Series
Map date: **1903-1904**
Scale: 1:2,500
Printed at: 1:2,500

N
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Surveyed 1888
Revised 1902
Edition 1903
Copyright N/A
Levelled N/A

Surveyed 1903
Revised 1903
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1904
Revised 1904
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1904
Revised 1904
Edition N/A
Copyright N/A
Levelled N/A

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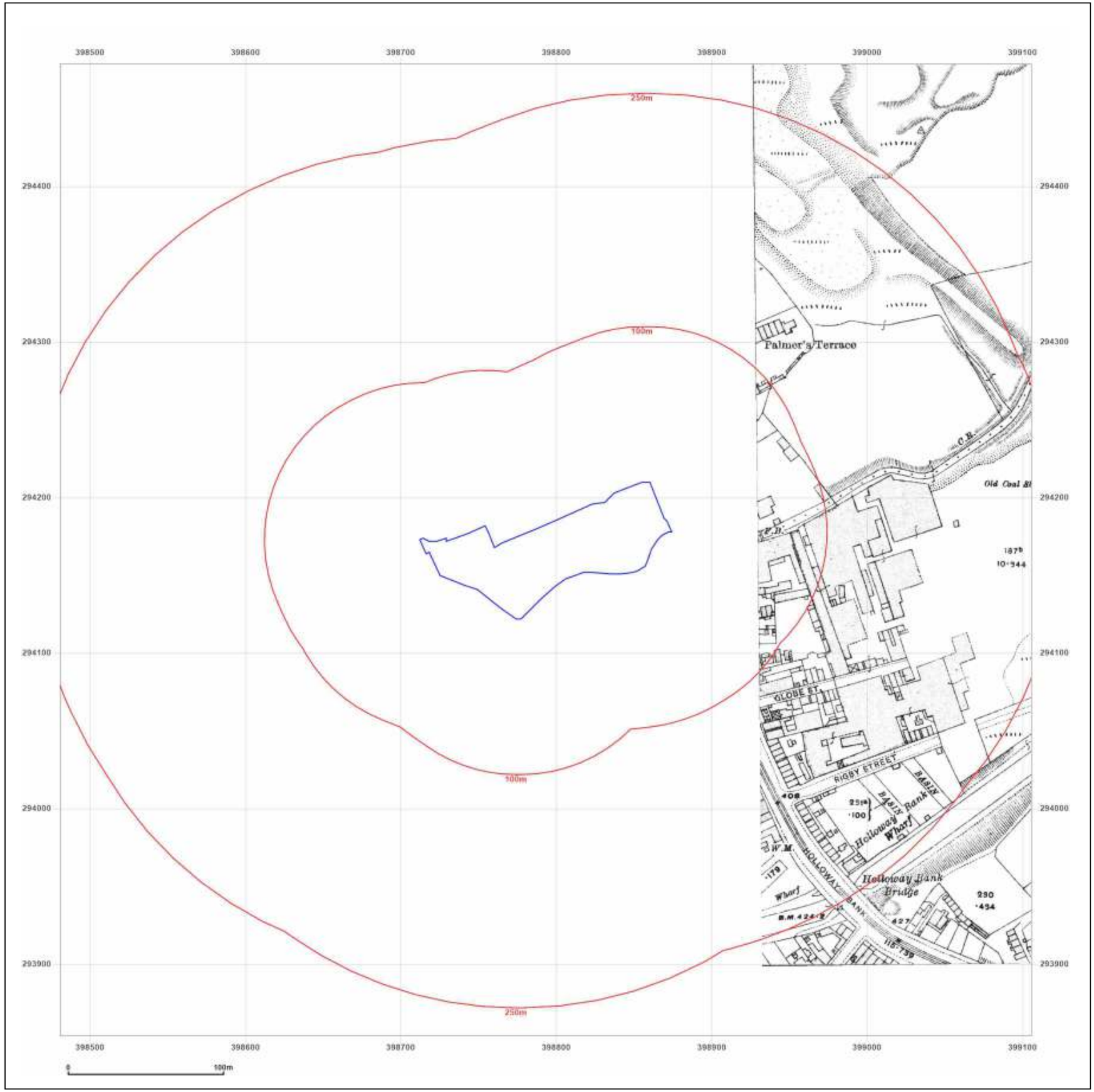

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Client Ref: 4199
Report Ref: CMAPS-CM-984518-4199-170821HIS
Grid Ref: 398793, 294166

Map Name: County Series

Map date: **1913**

Scale: 1:2,500

Printed at: 1:2,500

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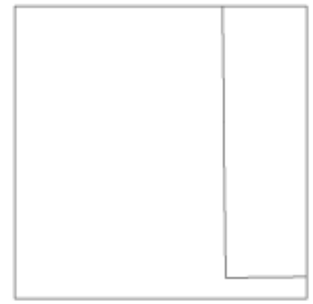
Surveyed 1913
Revised 1913
Edition N/A
Copyright N/A
Levelled N/A



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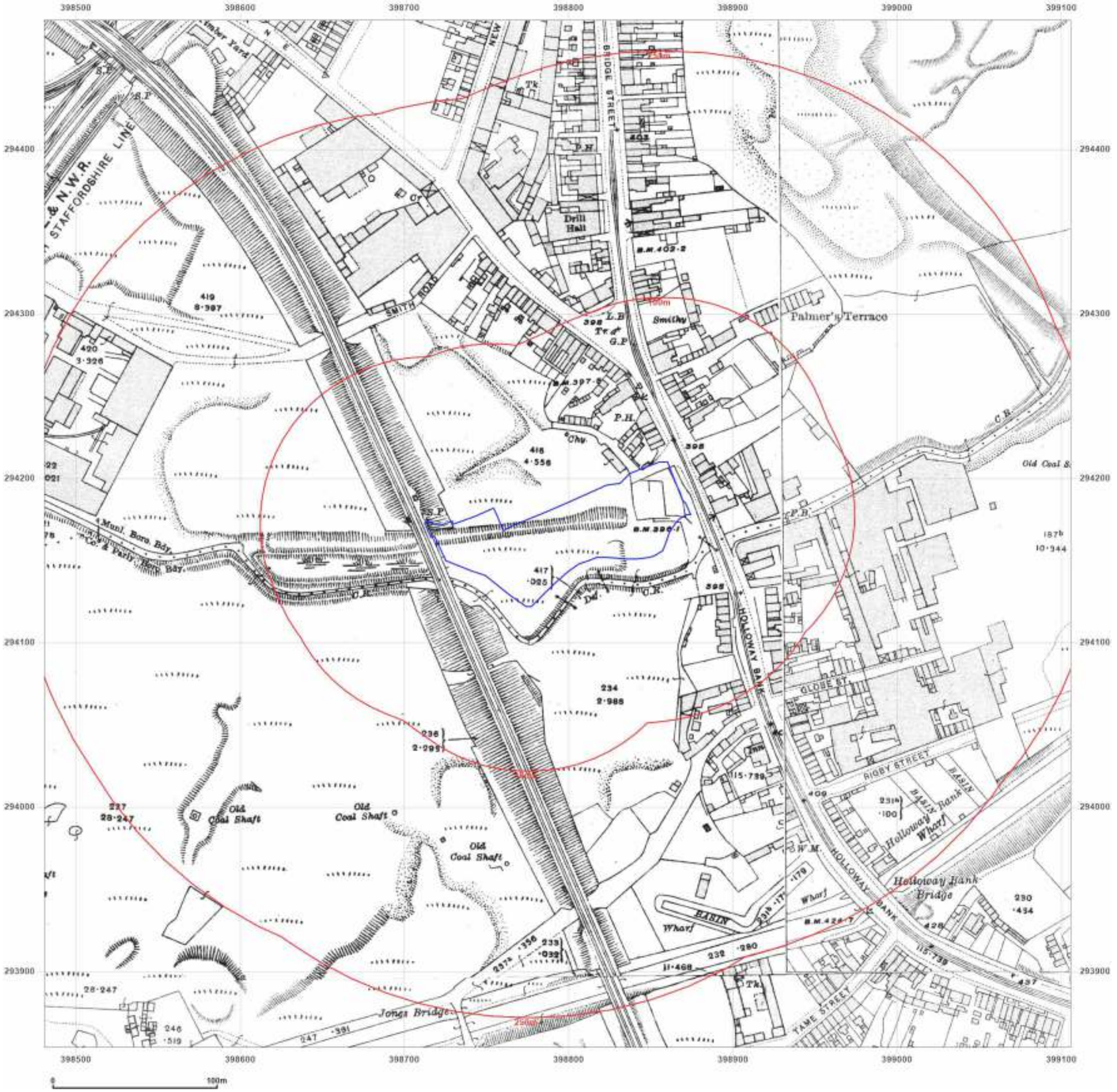

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Site Details:

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Client Ref: 4199
Report Ref: CMAPS-CM-984518-4199-170821HIS
Grid Ref: 398793, 294166

Map Name: County Series
Map date: **1919**
Scale: 1:2,500
Printed at: 1:2,500

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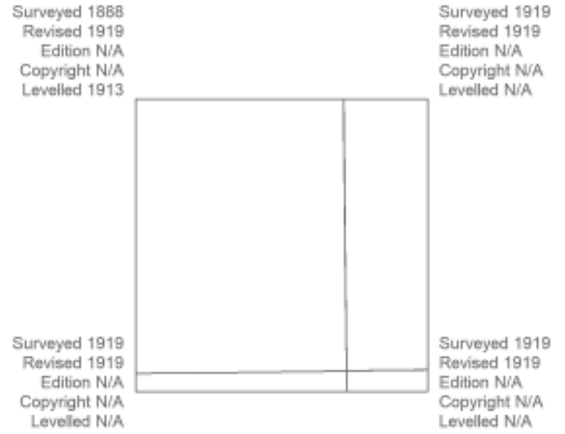

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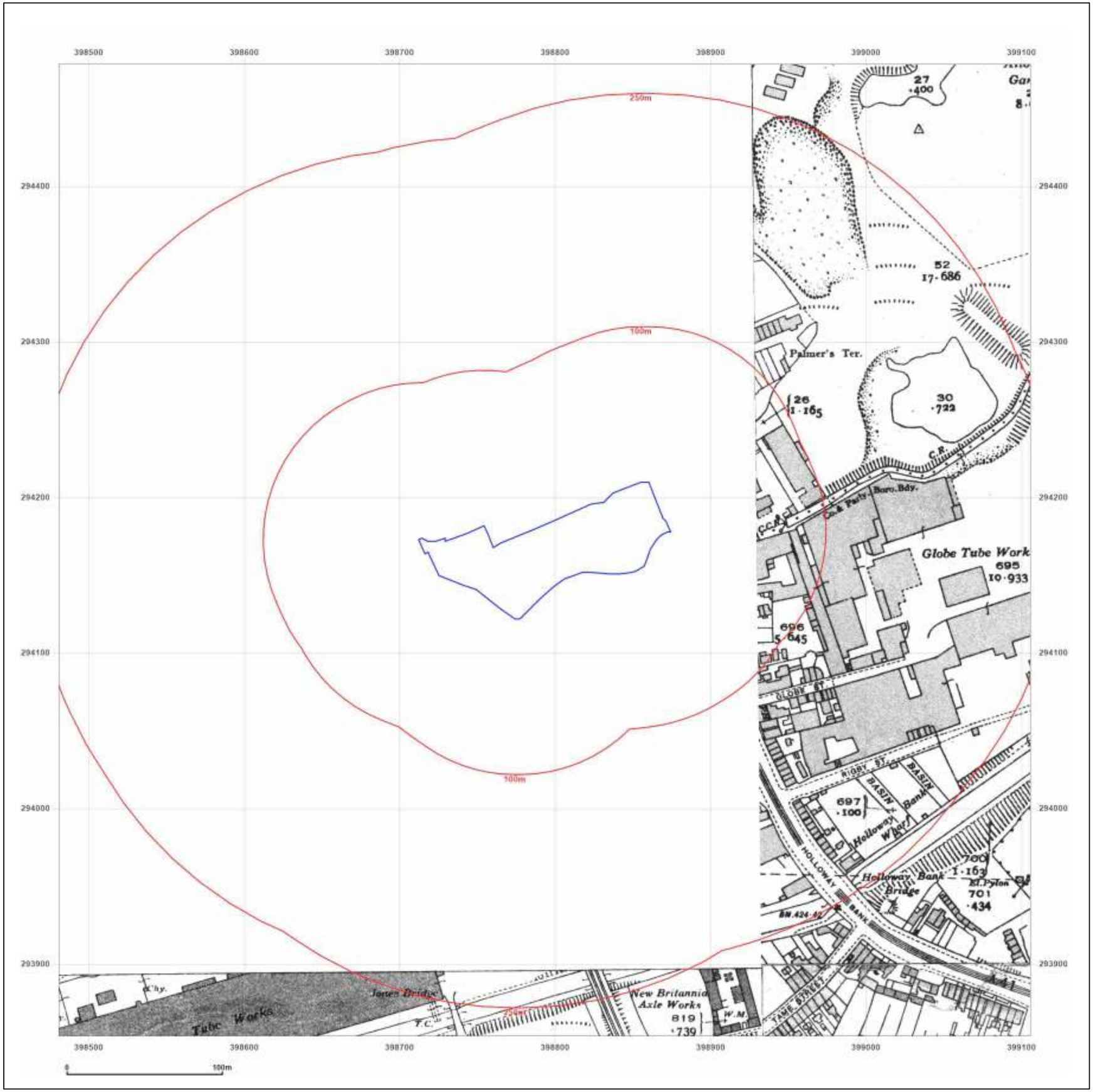

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Client Ref: 4199
Report Ref: CMAPS-CM-984518-4199-170821HIS
Grid Ref: 398793, 294166

Map Name: County Series
Map date: **1938**
Scale: 1:2,500
Printed at: 1:2,500

N
W E
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Surveyed 1938
Revised 1938
Edition N/A
Copyright N/A
Levelled N/A

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

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

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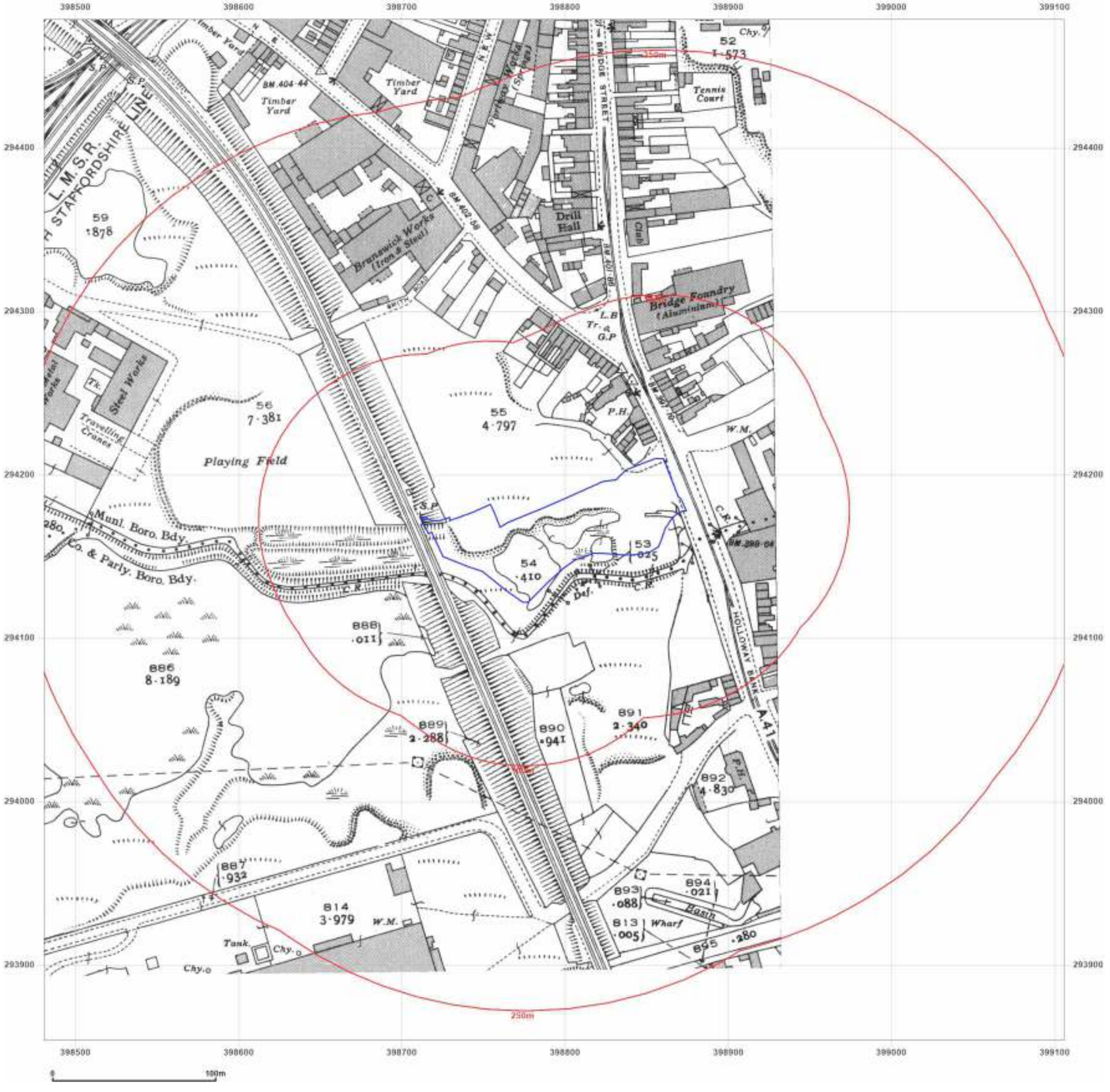

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Site Details:

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Client Ref: 4199
Report Ref: CMAPS-CM-984518-4199-170821HIS
Grid Ref: 398793, 294166

Map Name: County Series
Map date: **1947**
Scale: 1:2,500
Printed at: 1:2,500

N
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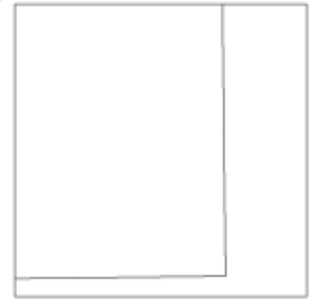
Surveyed 1933
Revised 1938
Edition 1947
Copyright N/A
Levelled 1935



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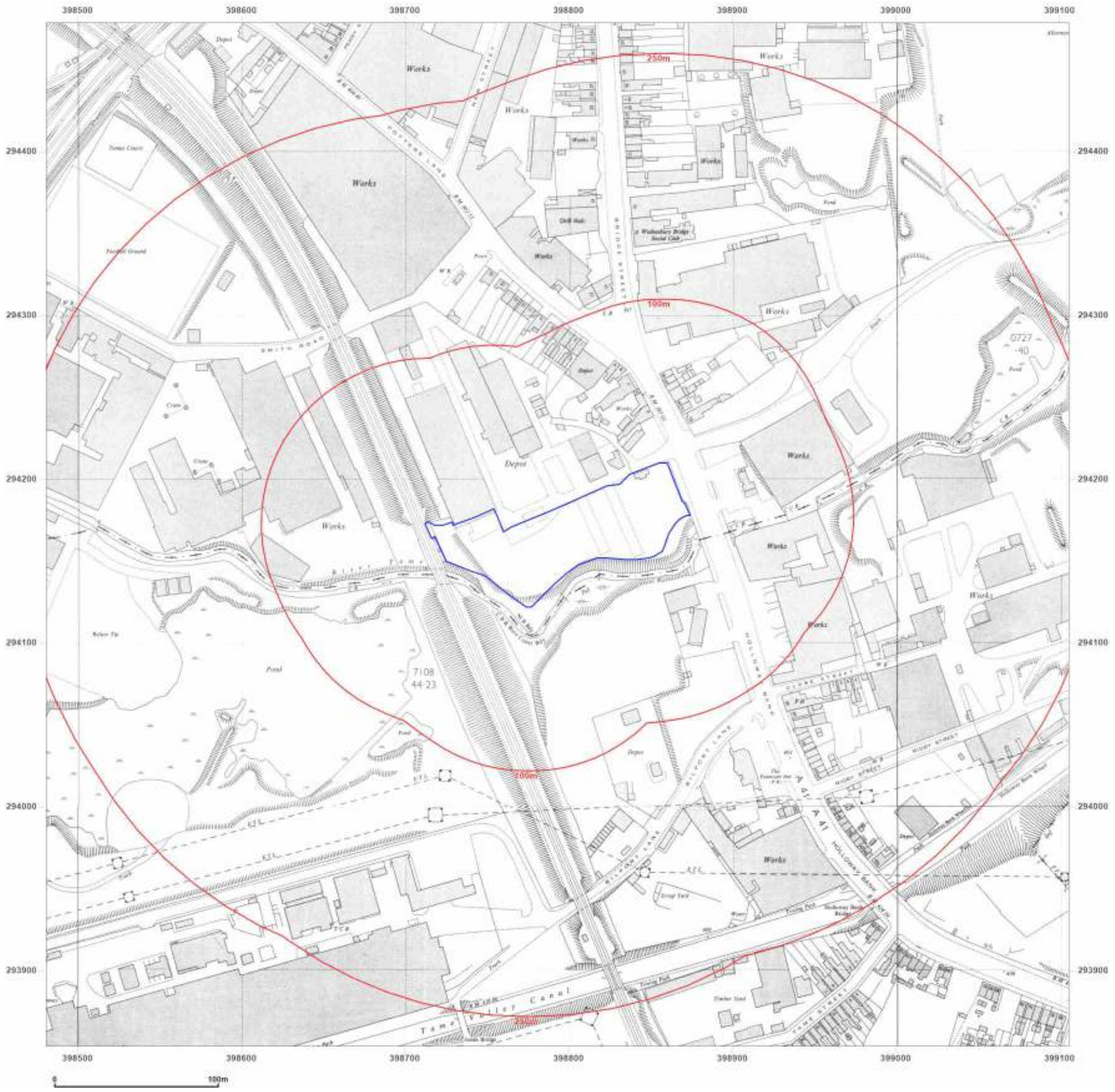

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Site Details:

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Client Ref: 4199
Report Ref: CMAPS-CM-984518-4199-170821HIS
Grid Ref: 398793, 294166

Map Name: National Grid

Map date: **1964**

Scale: 1:2,500

Printed at: 1:2,500

N
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Surveyed 1964
Revised 1964
Edition N/A
Copyright 1966
Levelled 1962

Surveyed 1964
Revised 1964
Edition 1966
Copyright 1966
Levelled 1962

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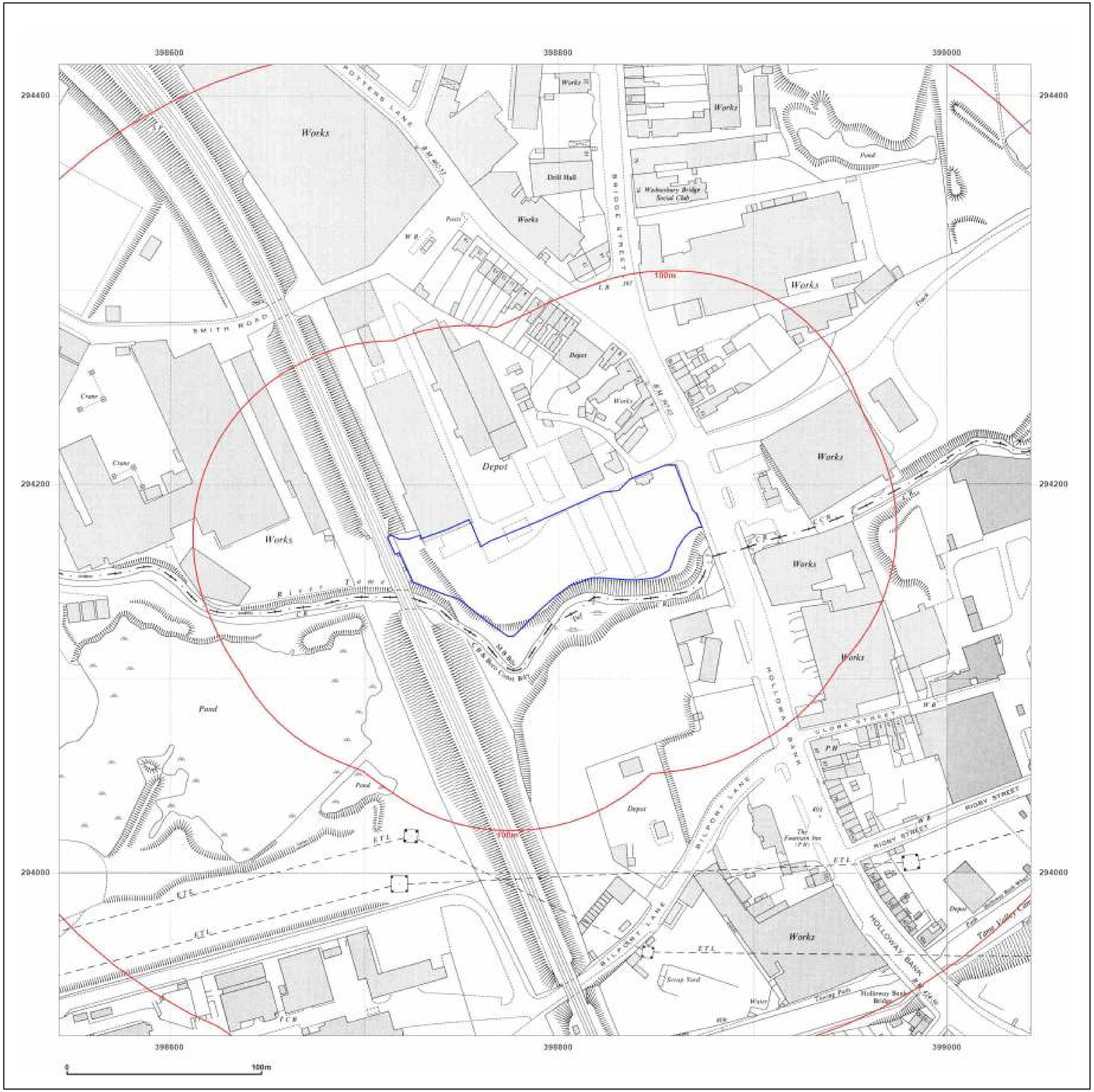

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Site Details:

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Client Ref: 4199
Report Ref: CMAPS-CM-984518-4199-170821HIS
Grid Ref: 398793, 294166

Map Name: National Grid

Map date: **1964-1965**

Scale: 1:1,250

Printed at: 1:2,000

N
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Surveyed 1964 Revised 1964 Edition N/A Copyright 1965 Levelled 1956	Surveyed 1964 Revised 1964 Edition N/A Copyright 1965 Levelled 1962
Surveyed 1964 Revised 1964 Edition N/A Copyright 1965 Levelled 1956	Surveyed 1963 Revised 1963 Edition N/A Copyright 1964 Levelled 1962

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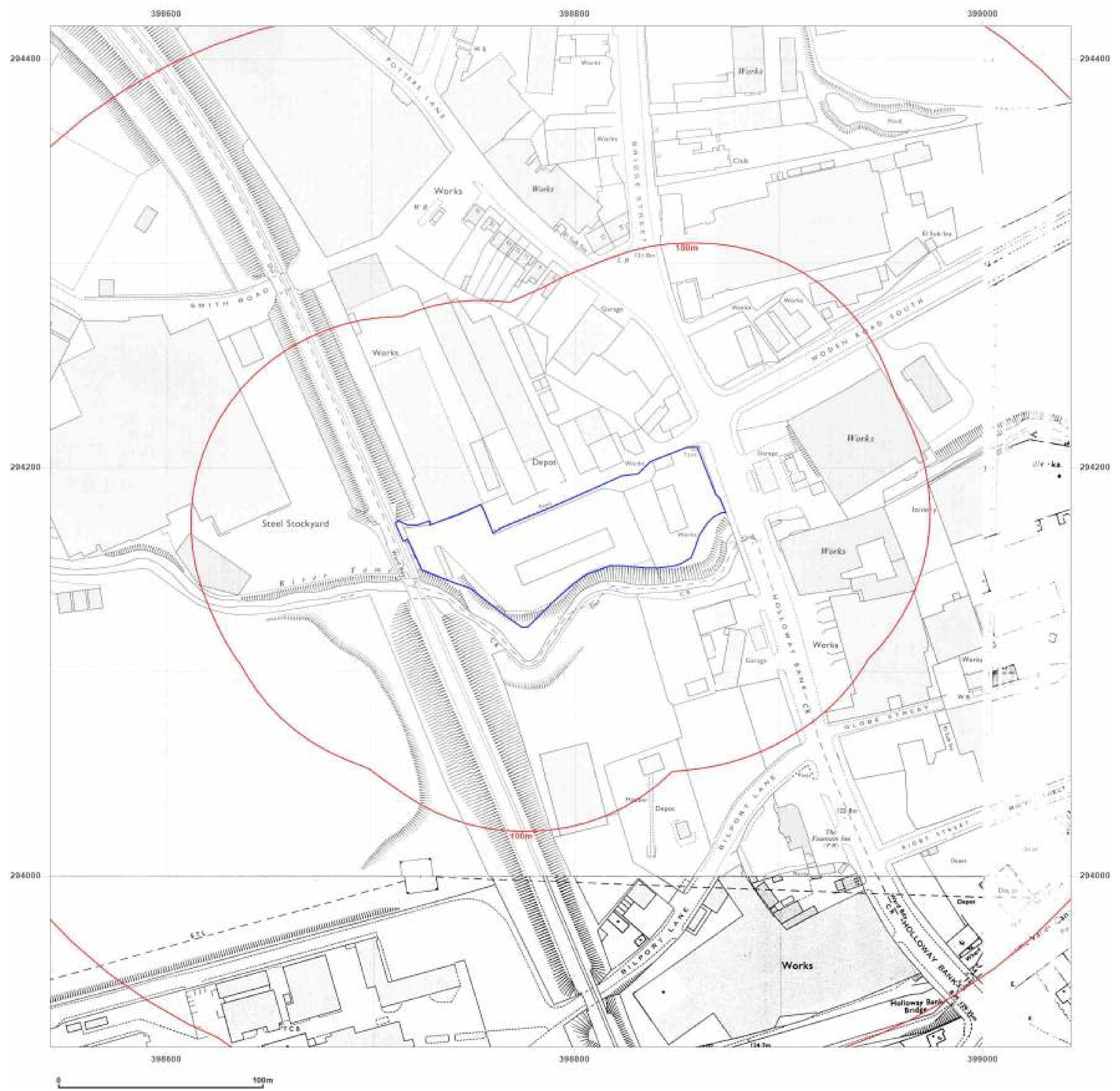

Site Details:

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Client Ref: 4199
Report Ref: CMAPS-CM-984518-4199-170821HIS
Grid Ref: 398793, 294166

Map Name: National Grid

Map date: **1977-1979**

Scale: 1:1,250

Printed at: 1:2,000

N
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Surveyed 1964
Revised 1975
Edition N/A
Copyright 1977
Levelled 1956

Surveyed N/A
Revised N/A
Edition N/A
Copyright 1978
Levelled N/A

Surveyed 1962
Revised 1979
Edition N/A
Copyright 1979
Levelled 1962

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

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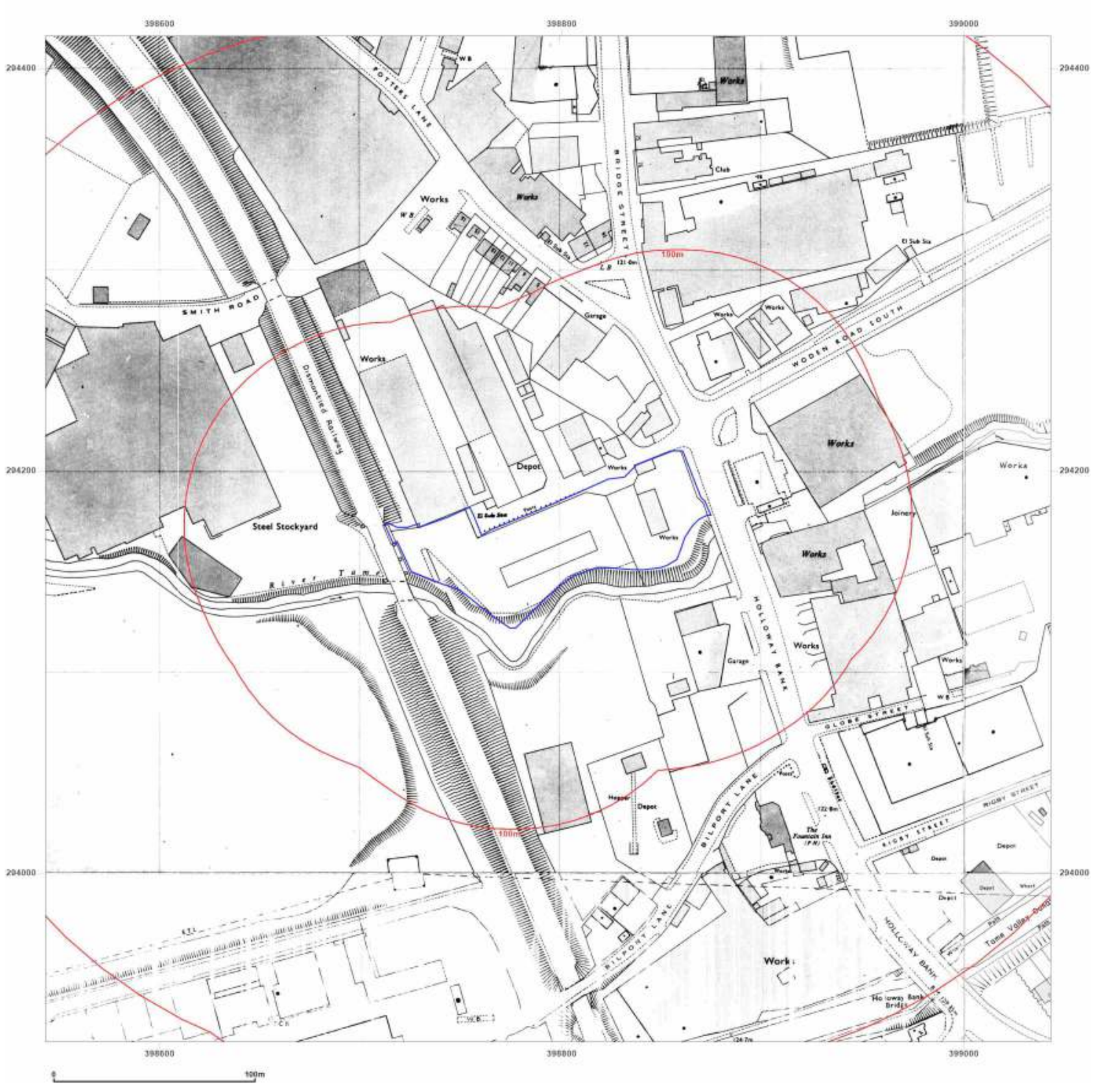

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Site Details:

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Client Ref: 4199
Report Ref: CMAPS-CM-984518-4199-170821HIS
Grid Ref: 398793, 294166

Map Name: National Grid
Map date: **1987-1991**
Scale: 1:1,250
Printed at: 1:2,000

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W E
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Surveyed 1988 Revised 1988 Edition N/A Copyright 1988 Levelled N/A	Surveyed 1962 Revised 1989 Edition N/A Copyright 1989 Levelled 1962
~~Surveyed N/A~~ Revised N/A Edition N/A Copyright 1991 Levelled N/A	Surveyed 1963 Revised 1985 Edition N/A Copyright 1987 Levelled 1962

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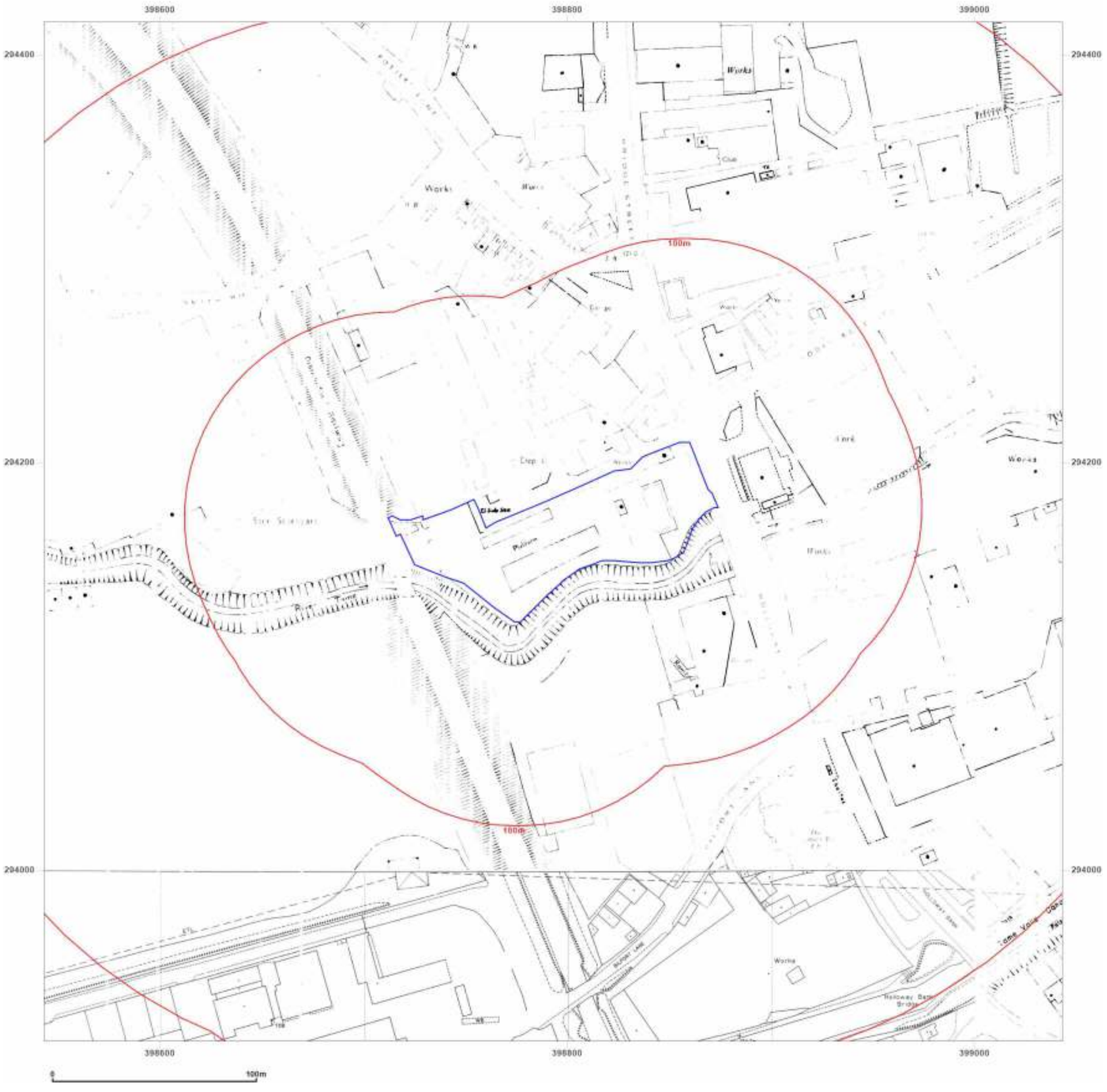

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Site Details:

Avantigas Ltd, Holloway Bank,
Wednesbury, WS10 0AW

Client Ref: 4199
Report Ref: CMAPS-CM-984518-4199-170821HIS
Grid Ref: 398793, 294166

Map Name: National Grid
Map date: **1991-1992**
Scale: 1:1,250
Printed at: 1:2,000

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

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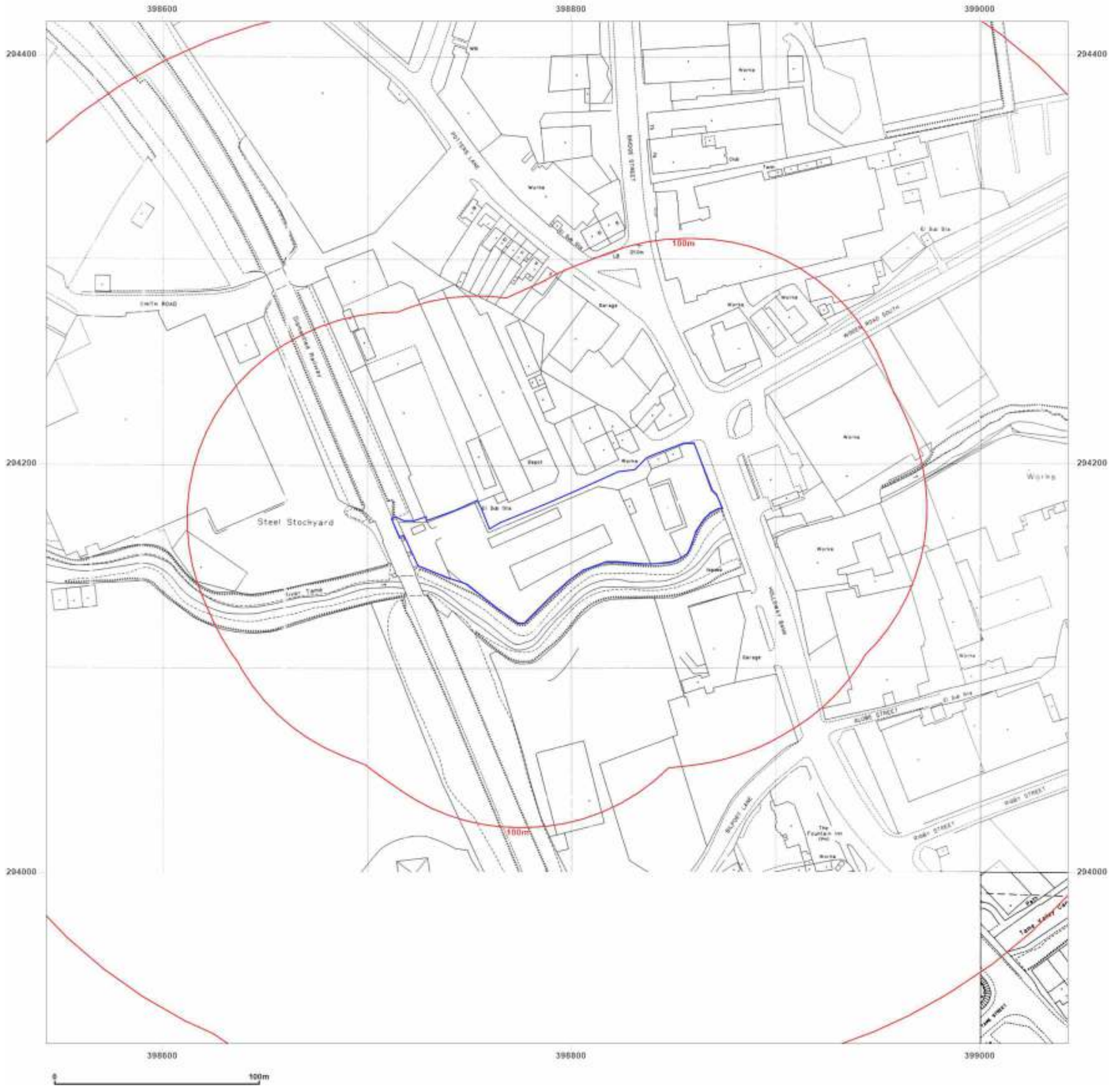

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FOR A BETTER POINT OF VIEW

Site Details:

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Wednesbury, WS10 0AW

Client Ref: 4199
Report Ref: CMAPS-CM-984518-4199-170821HIS
Grid Ref: 398793, 294166

Map Name: National Grid
Map date: **1992**
Scale: 1:1,250
Printed at: 1:2,000

N
W E
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Surveyed N/A
Revised N/A
Edition N/A
Copyright 1992
Levelled N/A

Surveyed N/A
Revised N/A
Edition N/A
Copyright 1992
Levelled N/A

Surveyed N/A
Revised N/A
Edition N/A
Copyright 1992
Levelled N/A

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Client Ref: 4199
Report Ref: CMAPS-CM-984518-4199-170821HIS
Grid Ref: 398793, 294166

Map Name: LandLine
Map date: **2003**
Scale: 1:1,250
Printed at: 1:1,250

N
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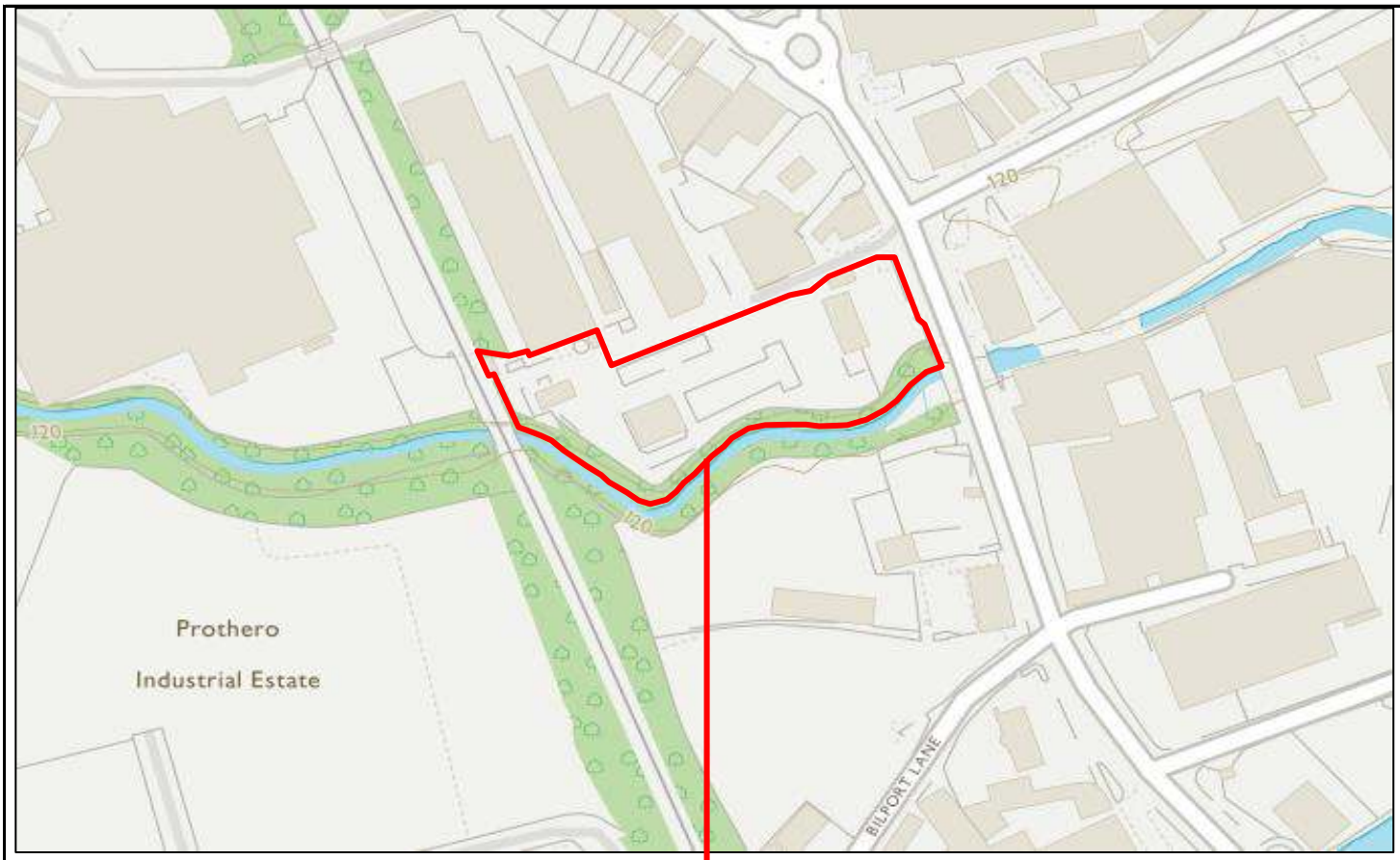
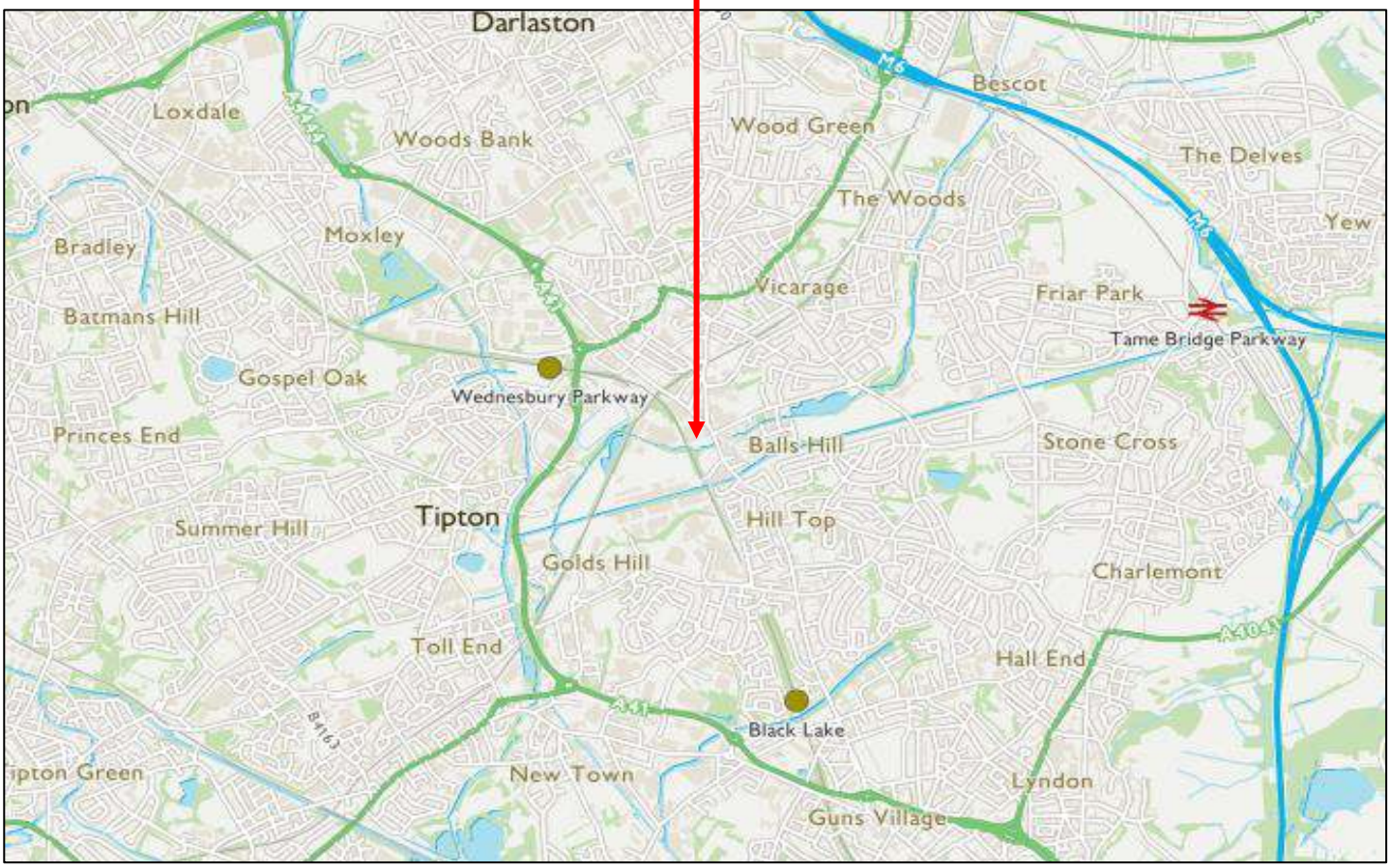
FIGURES

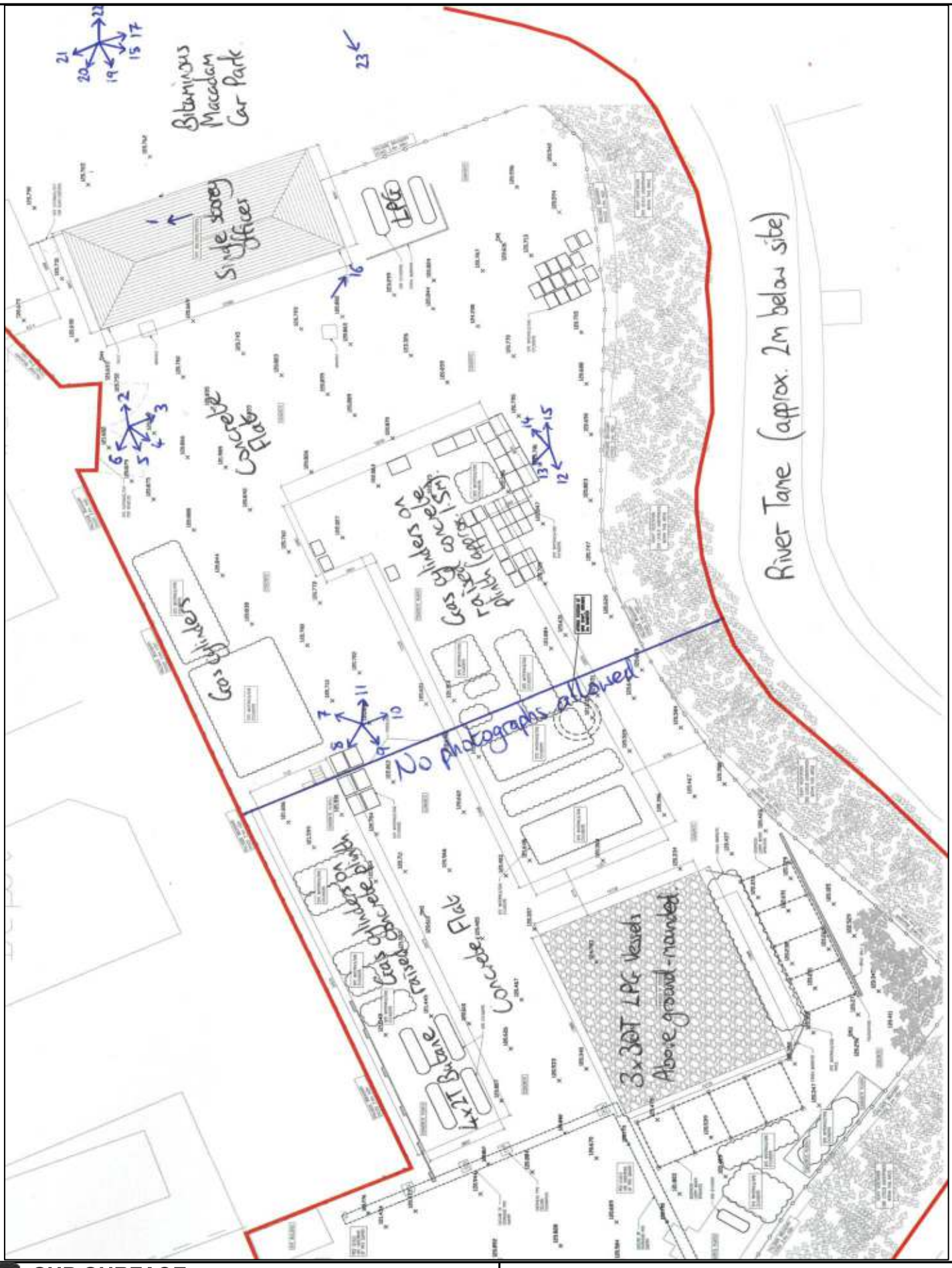




SUB SURFACE
SITE INVESTIGATION SPECIALISTS, GEOTECHNICAL & ENVIRONMENTAL CONSULTANTS
3 Peel Street, Preston, Lancashire, PR2 2QS. Tel: (01772) 561135 Fax: (01772) 204907

Site Location Plan

Site:	Date Drawn:	Date Checked:	Orientation:	Job Number:
AVANTIGAS LIMITED, HOLLOWAY BANK, WEDNESBURY, WEST MIDLANDS	10-Sep-21		N	M3540
Client:	**Drawn By:**	**Checked By:**	**Scale:**	**Figure Number:**
GGP CONSULT	MSB		_	1



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Site Plan / Walkover Survey Locations

Site:	Date Drawn:	Date Checked:	Orientation:	Job Number:
AVANTIGAS LIMITED, HOLLOWAY BANK, WEDNESBURY, WEST MIDLANDS	10-Sep-21			M3540
Client:	**Drawn By:**	**Checked By:**	**Scale:**	**Figure Number:**
GGP CONSULT	MSB		_	2

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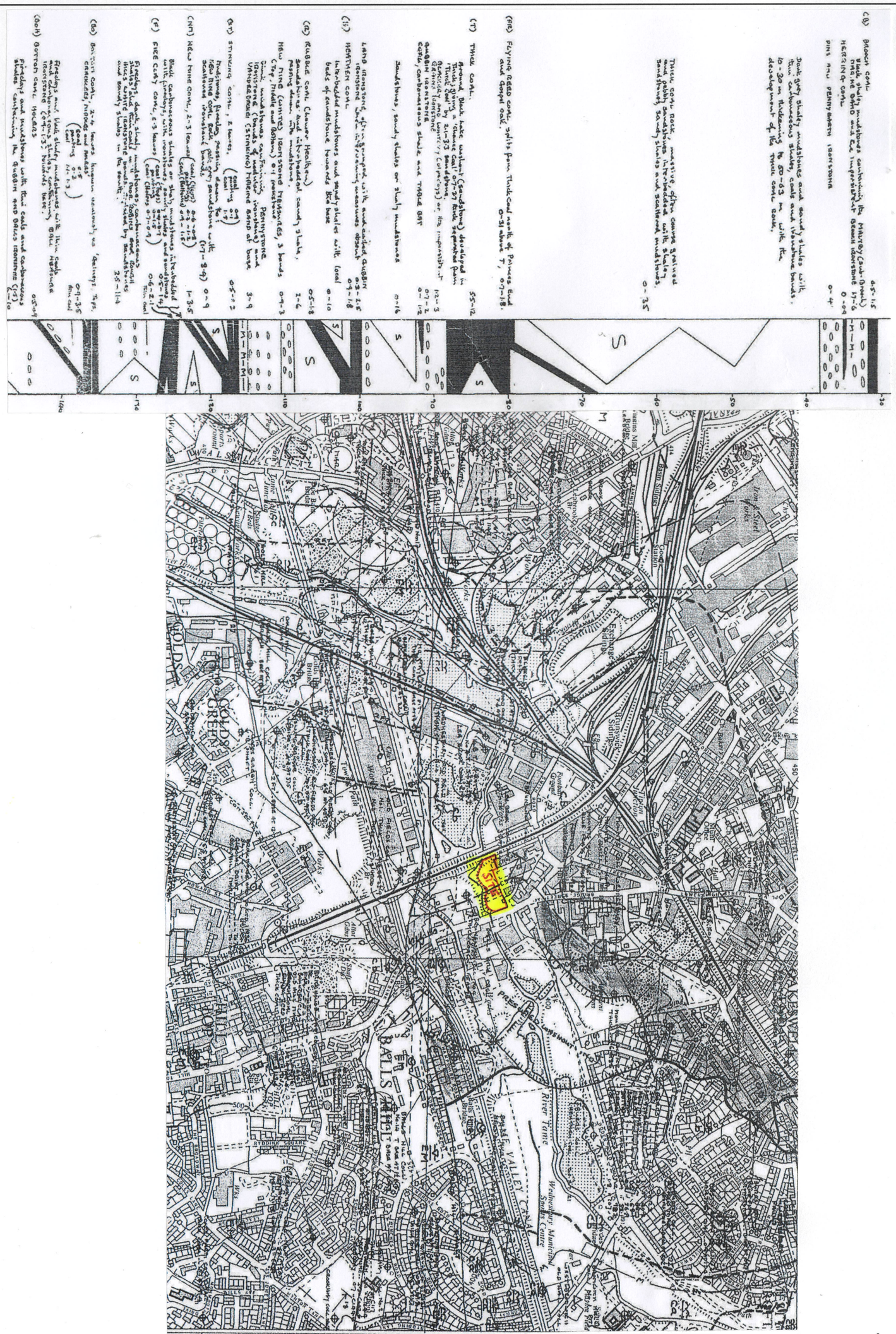
3 Peel Street, Preston, Lancashire, PR2 2QS. Tel: (01772) 561135 Fax: (01772) 204907

Proposed Development

Site:	Date Drawn:	Date Checked:	Orientation:	Job Number:
AVANTIGAS LIMITED, HOLLOWAY BANK, WEDNESBURY, WEST MIDLANDS	10-Sep-21			M3540
Client:	**Drawn By:**	**Checked By:**	**Scale:**	**Figure Number:**
GGP CONSULT	MSB		_	3

Generalised Vertical Section

Scale 1:500



SUB SURFACE SITE INVESTIGATION SPECIALISTS, GEOTECHNICAL & ENVIRONMENTAL CONSULTANTS 3 Peel Street, Preston, Lancashire, PR2 2QS. Tel: (01772) 561135 Fax: (01772) 204907	Extract from BGS Sheet SO99SE Solid & Drift			
Site: AVANTIGAS LIMITED, HOLLOWAY BANK, WEDNESBURY, WEST MIDLANDS	Date Drawn: 10-Sep-21	Date Checked:	Orientation: N	Job Number: M3540
Client: GGP CONSULT	Drawn By: MSB	Checked By:	Scale: 1:10,560	Figure Number: 4