



INVESTIGATE



REMEDIATE



REGENERATE



DESK STUDY WITH WALKOVER SURVEY

**FOR
121-131 BELL LANE,
BURY,
GREATER MANCHESTER**

**PREPARED FOR
NEIL PIKE ARCHITECTS LIMITED**

**REPORT NO. 7308
AUGUST 2021**

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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	121-131 Bell Lane, Bury, Greater Manchester, BL9 6BB.
	Grid Reference	381432, 411252.
	Current Land Use	Disused building, previously used as a tool and plant hire shop, with a yard in the northeast, and an area of trees and shrubs in the northwest.
	Proposed Development	We have not been provided the details of any proposed development.
Site History	On Site	The earliest maps (1849-1851) show the site to be undeveloped. Several buildings are built on site by 1890 some of which are extended and combined into one larger building by 1928. Main building on site shown to be a warehouse from 1955 to 1988. Buildings in northeast demolished by 1992.
	Beyond Site Boundary	The earliest maps (1849-1851) show terraced housing adjacent to the east and west of the site, which are demolished by 1976, a church and graveyard 120m to the southwest, and a gas works 150m to the west. From 1890, several cotton mills, reservoirs, felt hat works and preserve works are shown within 250m, and an old clay pit 110m to the north (part-infilled by 1928, fully infilled by 1937. Leather works shown adjacent to the north from 1908. Reservoir 120m to the northwest infilled by 1955, another 120m to the west infilled by 1976. Depot shown 50m to the northwest and an unspecified works shown 50m to the north from 1992.
Geological Appraisal	Made Ground	None recorded, some may be present due to past development.
	Superficial Geology	Till, generally comprising Diamicton (poorly sorted clays, sands, and gravels).
	Bedrock Geology	Mudstone, siltstone, and sandstone, belonging to the Pennine Lower Coal Measures of the Westphalian Age.
	Subsidence Hazards	Very low to negligible.
	Mining	Site is not within a surface area that could be affected by past recorded underground mining.
	Radon	No radon protection measures are required.
Environmental Appraisal	Industrial Land Uses	Construction and tool hire services on-site, metal manufacturers 11m to the north, unspecified works 18m to the north and 23m to the northeast, an electricity substation 52m to the north, unspecified mills 53m to the northwest and 98m to the west, and an unspecified pit 107m to the north.
	Landfill Sites	None recorded.
	Hydrogeology	Superficial deposits are indicated to be a Secondary (undifferentiated) aquifer.
		Bedrock is indicated to be a Secondary A aquifer.
	Hydrology	Inland river 249m to the west.
	Flood Risk	Flood Risk Assessment is unlikely to be 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.	
	In addition, ground gases might be present and hence gas standpipes should be installed and monitored over an extended period of time to allow for an assessment to be made.	
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.	

**DESK STUDY WITH WALKOVER SURVEY FOR 121-131 BELL LANE, BURY,
GREATER MANCHESTER, BL9 6BB**

CLIENT: NEIL PIKE ARCHITECTS LIMITED

1. INTRODUCTION

This report has been prepared in accordance with an email, dated 2nd August 2021, from the Client.

The brief was set out in our estimate, ref. E5144 dated 9th 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.

1.1 Site Location and Description

The site is located at 121-131 Bell Lane, Bury, Greater Manchester, BL9 6BB, as indicated on Figure 1. The approximate National Grid Reference of the centre of the site is 381432, 411252.

As shown on Figure 2, the site comprises an approximately square-shaped plot of land of 0.09ha. It is bound by an unspecified works to the northwest, a car park to the northeast, disused land to the east, Bell Lane to the south, and a car dealer to the west.

1.2 Proposed Development and Purpose of the Desk Study

We have not been provided the details of any proposed development.

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.

1.3 Walkover Survey

The walkover survey was undertaken on 3rd August 2021. Photographs taken during the site walkover are appended, with their locations and any surface features observed indicated in Figure 2.

At the time of the walkover, the site comprised a disused building in the south, previously used as a tool and plant hire shop, with a yard in the northeast, and an area of trees and shrubs in the northwest. Inside the building, a hole in the concrete floor was noted (photo 7) which led to the basement below. The ground was mainly flat and comprised bituminous macadam surfacing. The site could be accessed off Bell Lane to the south.

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
1851	1:10,560
1891	1:10,560
1908	1:10,560
1928	1:10,560
1938	1:10,560
1955 – 1956	1:10,560
1965 – 1967	1:10,560
1983	1:10,000
2001	1:10,000
2010	1:10,000
2021	1:10,000

TABLE 2 LARGE SCALE SURVEY

Date	Scale
1849	1:1,056
1890 – 1891	1:2,500
1891	1:500 *
1910	1:2,500
1930	1:2,500
1937 – 1939	1:2,500
1957 – 1958	1:2,500
1959	1:1,250 **
1976 – 1977	1:1,250 **
1984	1:1,250 **
1983 – 1985	1:1,250 **
1983 – 1988	1:1,250 **
1988 – 1992	1:1,250 **
1992 – 1994	1:1,250 **
1994	1:1,250 **
2003	1:1,250

* Published scaled, appended extract reproduced at 1:1000 scale.

** Published scaled, appended extract reproduced at 1:2000 scale.

Extracts of the above surveys are appended.

TABLE 3 HISTORICAL APPRAISAL

Date	On site	Beyond site boundary
1849-1851	At the time of the earliest survey, the site was undeveloped.	Terraced housing is shown adjacent to the eastern and western site boundaries fronting onto Bell Lane which runs adjacent to the southern site boundary. A pond is shown 60m to the north of the site boundary. St Pauls Church and graveyard are depicted 120m to the southwest of the site boundary and a gas works is shown 150m to the west.
1890-1891	Several buildings are now shown on the site.	Chesham Felt Hat Works is shown 60m to the northwest of the site boundary, an old clay pit 110m to the north, a cotton mill and reservoir 120m to the west, Britannia Mills (Cotton) and reservoir 120m to the northwest, Chesham Works (Preserve) 190m to the northeast, Braid Mill 220m to the west, and Higher Mills (Cotton) 230m to the northwest. Extensive residential development has taken place within 100m of the site boundary. The pond 60m to the north of the site boundary appears to have been infilled.

1908-1910	No significant changes are noted during this time.	A leather works is now shown adjacent to the northern site boundary. A tramway is now depicted on Bell Lane. The cotton mill 120m to the west is now a velvet mill, and the old clay pit is no longer labelled.
1928-1930	Some of the buildings on site have been extended and combined into a larger building in the same footprint as the current building layout.	A tank is now depicted 80m to the northwest of the site boundary. Part of the old clay pit 110m to the north appears to have been infilled.
1937-1939	No significant changes are noted during this time.	The remaining part of the old clay pit has been infilled and a residential development has been built in its place. The tramway on Bell Lane is no longer shown.
1955-1959	The building in the centre of the site is now shown as a warehouse and the glasshouse in the north of the site is no longer shown.	All mills and works within 250m of the site boundary are now unspecified. The reservoir 120m to the northwest of the site boundary appears to have been infilled.
1965-1967	No significant changes are noted during this time.	No significant changes are noted during this time.
1976-1977	No significant changes are noted during this time.	The residential properties adjacent to the eastern and western site boundaries and 60m to the northwest have been demolished. The reservoir 120m to the west has been infilled and the associated mill has been demolished and replaced with new large buildings.
1983-1988	No significant changes are noted during this time.	New large buildings are shown 25m to the west of the site boundary. Residential properties 15m to the southwest of the site boundary have been demolished and rebuilt. Further residential properties 45m to the north have been demolished.
1988-1992	The building in the centre of the site is no longer listed as a warehouse.	Garages are now depicted 130m to the northwest and 200m to the southwest of the site boundary. An electricity substation is now shown 180m to the east of the site boundary. The works 140m to the east of the site boundary have been demolished.
1992-1994	The buildings in the northeast of the site have been demolished.	A depot is now shown 50m to the northwest of the site boundary and an unspecified works is shown 50m to the north. A new residential development is depicted 30m to the northeast of the site boundary at St. Pauls Court. An electricity substation is shown 50m to the north of the site boundary.
2001-2003	No significant changes are noted during this time.	The works adjacent to the north and 50m to the north of the site have been extended.
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.

2.2 Geological Appraisal

This following appraisal is based upon the appended Groundsure Enviro & Geo Insight Report (Sections 14 to 17).

2.2.1 Artificial Ground (Made Ground)

No Made Ground is indicated to be present within the site or in its immediate vicinity. However, as the site has been developed, some may be present.

2.2.2 Superficial Geology (Drift Deposits)

The drift deposits beneath the site are anticipated to be Till of the Devensian Period, generally comprising Diamicton (poorly sorted clays, sands, and gravels), the depth of which is unknown. The drift deposits are indicated as having a low to high permeability.

2.2.3 Bedrock Geology

The bedrock beneath the site is anticipated to be mudstone, siltstone, and sandstone, belonging to the Pennine Lower Coal Measures of the Westphalian Age. The bedrock is indicated as having a high permeability.

Rock strata are indicated to be displaced by a geological fault 6m to the south.

2.2.4 Potential Hazards in Natural Ground

The risk from shrinking/ swelling clays, running sands, collapsible deposits, and landslides is very low, and the risk from compressible 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 Mining

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 five historical surface excavations within 250m of the site boundary, which are an unspecified pit 107m to the north, ponds 120m to the northwest, 126m to the west, and 242m to the west, and unspecified ground workings 211m to the north.

The British Geological Survey maintain records of mining of minerals other than coal and indicates that there is no potential for non-coal mining beneath the site or within 1km of the site boundary.

The Coal Authority, and others, indicate that there is potential for coal mining beneath the site or within 1km of the site boundary. The appended Coal Authority Mining Report, ref. 51002603909001 and dated 10th August 2021, indicates that the site is not within a surface area that could be affected by past recorded underground mining.

The Coal Authority also indicates that there is no current mining or proposals to mine coal beneath the site. It should be noted that on 23rd December 2015 all underground coal mining ceased in the U.K.

Furthermore, there are no known coal mine entries within 100m of the site boundary that the Coal Authority has knowledge of.

The Coal Authority Mining Report only refers to records in the possession of the Coal Authority. 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 which were made it is likely that not all will have survived.

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

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/m³ 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 less than 1% of surrounding properties are above the Radon Action Level. No radon protection measures are 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.

2.3.4 Railway Infrastructure

There are no underground railways, railway tunnels, historical railway and tunnel features, historical railways, or active 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.

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 within 250m of the site boundary, including unspecified works 23m to the northeast, unspecified mills 53m to the northwest and 98m to the west, and an unspecified pit 107m to the north.

There are five historical tanks within 250m of the site boundary, which are all unspecified tanks, with the nearest being 78m to the northwest.

There are four historical energy features within 250m of the site boundary, which are all electricity substations with the nearest being 49m to the north.

There are two historical garages within 250m of the site boundary, which are 111m to the west and 210m to the southwest.

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

2.4.2 Landfill

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

2.4.3 Waste

Local Authority records and detailed Ordnance Surveys indicate no historical waste sites within 250m of the site boundary.

According to the Environment Agency and Natural Resources Wales there are no active or recently closed waste sites within 250m of the site boundary.

The Environment Agency and Natural Resources Wales have no 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.

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 uses identified within 250m of the site boundary. These include construction and tool hire services on-site, metal manufacturers 11m to the north, an unspecified works 18m to the north, and an electricity substation 52m to the north.

According to Experian, there are no current or recent petrol stations within 250m of the site boundary.

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 there are no 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 are no Local Authority records 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.

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.

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 no Part A(2) or 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.

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 no discharges of treated or untreated effluent to controlled waters under the 1991 Water Resources Act within 250m of the site boundary.

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 no discharges of substances on List 1 or 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.

2.4.17 Pollution Incidents

According to the Environment Agency and Natural Resources Wales there is one record of substantiated pollution incidents within 250m of the site boundary, which was 210m to the southeast in 2001 with minor air impact.

In our opinion, any current impact to the site from the recorded pollution incident 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 Till. These are indicated to be a Secondary (undifferentiated) aquifer, which is assigned where it is not possible to attribute either category A or B to strata.

A Secondary A aquifer comprises permeable layers capable of supporting water supplies at a local scale and in some cases forming an important source of base flow to rivers.

A Secondary B aquifer comprises predominantly lower permeability layers which may store or yield limited amounts of groundwater due to localised features such as fissures and thin permeable horizons.

The bedrock is anticipated to be mudstone, siltstone, and sandstone, which is indicated to be a Secondary A aquifer.

The vulnerability of groundwater in the superficial geology to a pollutant found within the site and its immediate surrounding area has been assessed as “High” – an area able to easily transmit pollution to groundwater.

The vulnerability of groundwater in the bedrock geology 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 are no groundwater or surface water abstraction licences within 1km of the site boundary, and no potable water abstraction licences within 2km of the site boundary.

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 is one watercourse (river, stream, or canal) within 250m of the site boundary, which is an inland river 249m to the west.

There are no 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 Roch, this watercourse being 738m to the southeast and the groundwater body is known as the Northern Manchester Carboniferous Aquifers.

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 “Very Low”.

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

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

The site is in a Flood Zone 1 and is not within 50m of a Flood Zone 2 or a Flood Zone 3.

According to Ambiantal Risk Analytics surface water “FloodMap” there is a negligible risk of surface water flooding on the site and within 50m of the site boundary.

According to Ambiantal 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 is unlikely to 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, there is one record of Local Nature Reserves, which is 557m to the northeast, and six records of Green Belt Land with the nearest being 730m to the north.

2.4.25 Visual and Cultural Designations

Historic England, Cadw and Historic Environment Scotland indicate that within 250m of the site boundary there are three Listed Buildings, with the nearest being 110m to the northeast.

There are no World Heritage Sites, Areas of Outstanding Natural Beauty, National Parks, 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 southwest of 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 no priority habitats, habitat networks, open mosaic habitats, 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.

2.5.1 Sources

Potential sources of contamination identified in the desk study are:

- General contaminants including asbestos in made ground derived from past and present contaminative processes undertaken on and adjacent to the site including past site usage as a warehouse and tool hire company, the adjacent leather works, and past construction and demolition.
- Hydrocarbon contamination from on-site spillage and leakage of oils and fuels associated with the yard to the rear of the buildings on site.
- Possible migrating ground gases from any made ground on site, the old clay pit 110m to the north, graveyard 120m to the southwest, and various infilled ponds and reservoirs within 250m of the site.

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 by end users of the site in any gardens or landscaped areas.
- 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.
- Consumption of contaminated fruit and/ or vegetables grown in any garden areas.
- Uptake of contaminated groundwater by plants grown in any gardens or landscaped areas.
- Accumulation of ground 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, with young children being the most sensitive.
- 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:

TABLE 4 CONCEPTUAL GROUND MODEL

Potential Source	Nature of Hazard	Contaminants Associated with the Source	Pathway	Receptor	Preliminary Risk Rating
Made Ground (if present from past site usage as a warehouse and tool hire company, the adjacent leather works, and past construction and demolition)	Contaminants in Made Ground	<u>Gen. Contaminants</u> 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	Site Operatives	Low to Moderate
			Ingestion of dust Ingestion of contaminated vegetable produce Dermal contact Inhalation of dust Inhalation of vapours	End Users	
			Vertical and lateral movement of mobile contaminants to surface water and groundwater	Controlled Waters Adjacent Properties	Low to Moderate
Vehicles (yard to the rear of the buildings on site)	Fuel/ oil spillage and/ or leakage from vehicles	Total Petroleum Hydrocarbons (TPH)	Direct contact	Structures and Services	Low to Moderate
			Inhalation of fibres	Site Operatives End Users	Low
			Ingestion of soil Ingestion of dust Ingestion of contaminated vegetable produce Dermal contact Inhalation of dust Inhalation of vapours	Site Operatives End Users	Low
Landfill (old clay pit 110m to the north, various infilled ponds, and reservoirs)	Ground Gas (Asphyxiation, fire, and explosion)	Methane Carbon Dioxide	Vertical and lateral movement of mobile contaminants to surface water and groundwater	Controlled Waters Adjacent Properties	Low
			Direct contact	Structures and Services	Low
			Inhalation of gas Ignition of gas	Site Operatives End Users	Low
Graveyard (120m to the southwest)	Ground Gas (Asphyxiation, fire, and explosion)	Methane Carbon Dioxide	Inhalation of gas Ignition of gas	Site Operatives End Users	Low

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 gases might be present and hence gas standpipes should be installed and monitored over an extended period of time to allow for an assessment to be made.

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 and Building Control Officer prior to commencing any development.

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 Miss Anna Marsden at our Preston office.

SUB SURFACE CONSULTANTS LIMITED
REPORT No. 7308
AUGUST 2021

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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: 121-131 BELL LANE, BURY, GREATER MANCHESTER		Job Number: 7308	
Client: NEIL PIKE ARCHITECTS LIMITED		Sheet: 1 / 2	
Engineer:		Survey Date: 03/08/21	
WALKOVER SURVEY PHOTOGRAPHS			
1		2	
			
3		4	
			
5		6	
			



SUB SURFACE

SITE INVESTIGATION SPECIALISTS, GEOTECHNICAL & ENVIRONMENTAL CONSULTANTS
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Job Number:

7308

Sheet:

2 / 2

Survey Date:

03/08/21

WALKOVER SURVEY PHOTOGRAPHS

7



ENVIRO+GEO INSIGHT REPORT

121 - 131 Bell Lane, Bury, BL9 6BB

Order Details

Date: 10/08/2021
Your ref: 4199
Our Ref: CMAPS-CM-982932-4199-100821EDRGEO
Client: CENTREMAPS

Site Details

Location: 381432 411252
Area: 0.09 ha
Authority: [Bury Metropolitan Borough Council](#)



Summary of findings

p. 2 **Aerial image**

p. 8

OS MasterMap site plan

p.13 groundsure.com/insightuserguide

Contact us with any questions at:

info@groundsure.com

08444 159 000

Summary of findings

Page	Section	Past land use	On site	0-50m	50-250m	250-500m	500-2000m
14	1.1	Historical industrial land uses	0	1	32	42	-
17	1.2	Historical tanks	0	0	8	25	-
19	1.3	Historical energy features	0	1	4	17	-
20	1.4	Historical petrol stations	0	0	0	0	-
20	1.5	Historical garages	0	0	4	19	-
21	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
22	2.1	Historical industrial land uses	0	1	41	61	-
26	2.2	Historical tanks	0	0	14	45	-
29	2.3	Historical energy features	0	2	5	34	-
30	2.4	Historical petrol stations	0	0	0	0	-
31	2.5	Historical garages	0	0	6	33	-
Page	Section	Waste and landfill	On site	0-50m	50-250m	250-500m	500-2000m
33	3.1	Active or recent landfill	0	0	0	0	-
33	3.2	Historical landfill (BGS records)	0	0	0	0	-
34	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
34	3.4	Historical landfill (EA/NRW records)	0	0	0	0	-
34	3.5	Historical waste sites	0	0	0	11	-
36	3.6	Licensed waste sites	0	0	0	13	-
40	3.7	Waste exemptions	0	0	0	14	-
Page	Section	Current industrial land use	On site	0-50m	50-250m	250-500m	500-2000m
42	4.1	Recent industrial land uses	1	2	34	-	-
45	4.2	Current or recent petrol stations	0	0	0	0	-
45	4.3	Electricity cables	0	0	0	0	-
45	4.4	Gas pipelines	0	0	0	0	-
45	4.5	Sites determined as Contaminated Land	0	0	0	0	-



46	4.6	Control of Major Accident Hazards (COMAH)	0	0	0	0	-
46	4.7	Regulated explosive sites	0	0	0	0	-
46	4.8	Hazardous substance storage/usage	0	0	0	0	-
46	4.9	<u>Historical licensed industrial activities (IPC)</u>	0	0	0	3	-
47	4.10	Licensed industrial activities (Part A(1))	0	0	0	0	-
47	4.11	<u>Licensed pollutant release (Part A(2)/B)</u>	0	0	0	4	-
48	4.12	Radioactive Substance Authorisations	0	0	0	0	-
48	4.13	<u>Licensed Discharges to controlled waters</u>	0	0	0	3	-
48	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
49	4.15	Pollutant release to public sewer	0	0	0	0	-
49	4.16	List 1 Dangerous Substances	0	0	0	0	-
49	4.17	List 2 Dangerous Substances	0	0	0	0	-
49	4.18	<u>Pollution Incidents (EA/NRW)</u>	0	0	1	9	-
50	4.19	Pollution inventory substances	0	0	0	0	-
51	4.20	Pollution inventory waste transfers	0	0	0	0	-
51	4.21	Pollution inventory radioactive waste	0	0	0	0	-
Page	Section	Hydrogeology	On site	0-50m	50-250m	250-500m	500-2000m
52	5.1	<u>Superficial aquifer</u>	Identified (within 500m)				
53	5.2	<u>Bedrock aquifer</u>	Identified (within 500m)				
54	5.3	<u>Groundwater vulnerability</u>	Identified (within 50m)				
55	5.4	Groundwater vulnerability- soluble rock risk	None (within 0m)				
55	5.5	Groundwater vulnerability- local information	None (within 0m)				
56	5.6	<u>Groundwater abstractions</u>	0	0	0	0	12
60	5.7	<u>Surface water abstractions</u>	0	0	0	0	10
62	5.8	Potable abstractions	0	0	0	0	0
62	5.9	Source Protection Zones	0	0	0	0	-
62	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-
Page	Section	Hydrology	On site	0-50m	50-250m	250-500m	500-2000m
63	6.1	<u>Water Network (OS MasterMap)</u>	0	0	2	-	-



64	6.2	Surface water features	0	0	0	-	-
64	6.3	<u>WFD Surface water body catchments</u>	1	-	-	-	-
64	6.4	<u>WFD Surface water bodies</u>	0	0	0	-	-
65	6.5	<u>WFD Groundwater bodies</u>	1	-	-	-	-
Page	Section	River and coastal flooding	On site	0-50m	50-250m	250-500m	500-2000m
66	7.1	Risk of Flooding from Rivers and Sea (RoFRaS)	None (within 50m)				
66	7.2	Historical Flood Events	0	0	0	-	-
66	7.3	Flood Defences	0	0	0	-	-
66	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
67	7.5	Flood Storage Areas	0	0	0	-	-
68	7.6	Flood Zone 2	None (within 50m)				
68	7.7	Flood Zone 3	None (within 50m)				
Page	Section	Surface water flooding					
69	8.1	Surface water flooding	Negligible (within 50m)				
Page	Section	Groundwater flooding					
70	9.1	<u>Groundwater flooding</u>	Low (within 50m)				
Page	Section	Environmental designations	On site	0-50m	50-250m	250-500m	500-2000m
71	10.1	Sites of Special Scientific Interest (SSSI)	0	0	0	0	0
72	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
72	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
72	10.4	Special Protection Areas (SPA)	0	0	0	0	0
72	10.5	National Nature Reserves (NNR)	0	0	0	0	0
73	10.6	<u>Local Nature Reserves (LNR)</u>	0	0	0	0	1
73	10.7	Designated Ancient Woodland	0	0	0	0	0
73	10.8	Biosphere Reserves	0	0	0	0	0
73	10.9	Forest Parks	0	0	0	0	0
74	10.10	Marine Conservation Zones	0	0	0	0	0
74	10.11	<u>Green Belt</u>	0	0	0	0	6
74	10.12	Proposed Ramsar sites	0	0	0	0	0



74	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
75	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
75	10.15	Nitrate Sensitive Areas	0	0	0	0	0
75	10.16	Nitrate Vulnerable Zones	0	0	0	0	0
76	<u>10.17</u>	<u>SSSI Impact Risk Zones</u>	1	-	-	-	-
77	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
78	11.1	World Heritage Sites	0	0	0	-	-
79	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
79	11.3	National Parks	0	0	0	-	-
79	<u>11.4</u>	<u>Listed Buildings</u>	0	0	3	-	-
80	11.5	Conservation Areas	0	0	0	-	-
80	11.6	Scheduled Ancient Monuments	0	0	0	-	-
80	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	Agricultural designations	On site	0-50m	50-250m	250-500m	500-2000m
81	<u>12.1</u>	<u>Agricultural Land Classification</u>	Urban (within 250m)				
82	12.2	Open Access Land	0	0	0	-	-
82	12.3	Tree Felling Licences	0	0	0	-	-
82	12.4	Environmental Stewardship Schemes	0	0	0	-	-
82	12.5	Countryside Stewardship Schemes	0	0	0	-	-
Page	Section	Habitat designations	On site	0-50m	50-250m	250-500m	500-2000m
83	13.1	Priority Habitat Inventory	0	0	0	-	-
83	13.2	Habitat Networks	0	0	0	-	-
83	13.3	Open Mosaic Habitat	0	0	0	-	-
83	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
84	<u>14.1</u>	<u>10k Availability</u>	Identified (within 500m)				
85	<u>14.2</u>	<u>Artificial and made ground (10k)</u>	0	0	1	4	-
87	<u>14.3</u>	<u>Superficial geology (10k)</u>	1	0	0	0	-



88	14.4	Landslip (10k)	0	0	0	0	-
89	14.5	<u>Bedrock geology (10k)</u>	1	1	4	6	-
90	14.6	<u>Bedrock faults and other linear features (10k)</u>	0	1	1	1	-
Page	Section	Geology 1:50,000 scale	On site	0-50m	50-250m	250-500m	500-2000m
91	15.1	<u>50k Availability</u>	Identified (within 500m)				
92	15.2	Artificial and made ground (50k)	0	0	0	0	-
92	15.3	Artificial ground permeability (50k)	0	0	-	-	-
93	15.4	<u>Superficial geology (50k)</u>	1	0	0	0	-
94	15.5	<u>Superficial permeability (50k)</u>	Identified (within 50m)				
94	15.6	Landslip (50k)	0	0	0	0	-
94	15.7	Landslip permeability (50k)	None (within 50m)				
95	15.8	<u>Bedrock geology (50k)</u>	1	1	3	3	-
96	15.9	<u>Bedrock permeability (50k)</u>	Identified (within 50m)				
96	15.10	<u>Bedrock faults and other linear features (50k)</u>	0	1	1	1	-
Page	Section	Boreholes	On site	0-50m	50-250m	250-500m	500-2000m
98	16.1	<u>BGS Boreholes</u>	0	0	20	-	-
Page	Section	Natural ground subsidence					
100	17.1	<u>Shrink swell clays</u>	Very low (within 50m)				
101	17.2	<u>Running sands</u>	Very low (within 50m)				
102	17.3	<u>Compressible deposits</u>	Negligible (within 50m)				
103	17.4	<u>Collapsible deposits</u>	Very low (within 50m)				
104	17.5	<u>Landslides</u>	Very low (within 50m)				
105	17.6	<u>Ground dissolution of soluble rocks</u>	Negligible (within 50m)				
Page	Section	Mining, ground workings and natural cavities	On site	0-50m	50-250m	250-500m	500-2000m
107	18.1	Natural cavities	0	0	0	0	-
108	18.2	BritPits	0	0	0	0	-
108	18.3	<u>Surface ground workings</u>	0	0	13	-	-
109	18.4	Underground workings	0	0	0	0	0
109	18.5	Historical Mineral Planning Areas	0	0	0	0	-



109	18.6	Non-coal mining	0	0	0	0	0
109	18.7	Mining cavities	0	0	0	0	0
109	18.8	JPB mining areas	None (within 0m)				
110	18.9	<u>Coal mining</u>	Identified (within 0m)				
110	18.10	Brine areas	None (within 0m)				
110	18.11	Gypsum areas	None (within 0m)				
110	18.12	Tin mining	None (within 0m)				
110	18.13	Clay mining	None (within 0m)				
Page	Section	Radon					
111	19.1	<u>Radon</u>	Less than 1% (within 0m)				
Page	Section	Soil chemistry	On site	0-50m	50-250m	250-500m	500-2000m
112	20.1	<u>BGS Estimated Background Soil Chemistry</u>	1	0	-	-	-
112	20.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
112	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
113	21.1	Underground railways (London)	0	0	0	-	-
113	21.2	Underground railways (Non-London)	0	0	0	-	-
113	21.3	Railway tunnels	0	0	0	-	-
113	21.4	Historical railway and tunnel features	0	0	0	-	-
113	21.5	Royal Mail tunnels	0	0	0	-	-
114	21.6	Historical railways	0	0	0	-	-
114	21.7	Railways	0	0	0	-	-
114	21.8	Crossrail 1	0	0	0	0	-
114	21.9	Crossrail 2	0	0	0	0	-
114	21.10	HS2	0	0	0	0	-

Recent aerial photograph



Capture Date: 23/05/2019

Site Area: 0.09ha



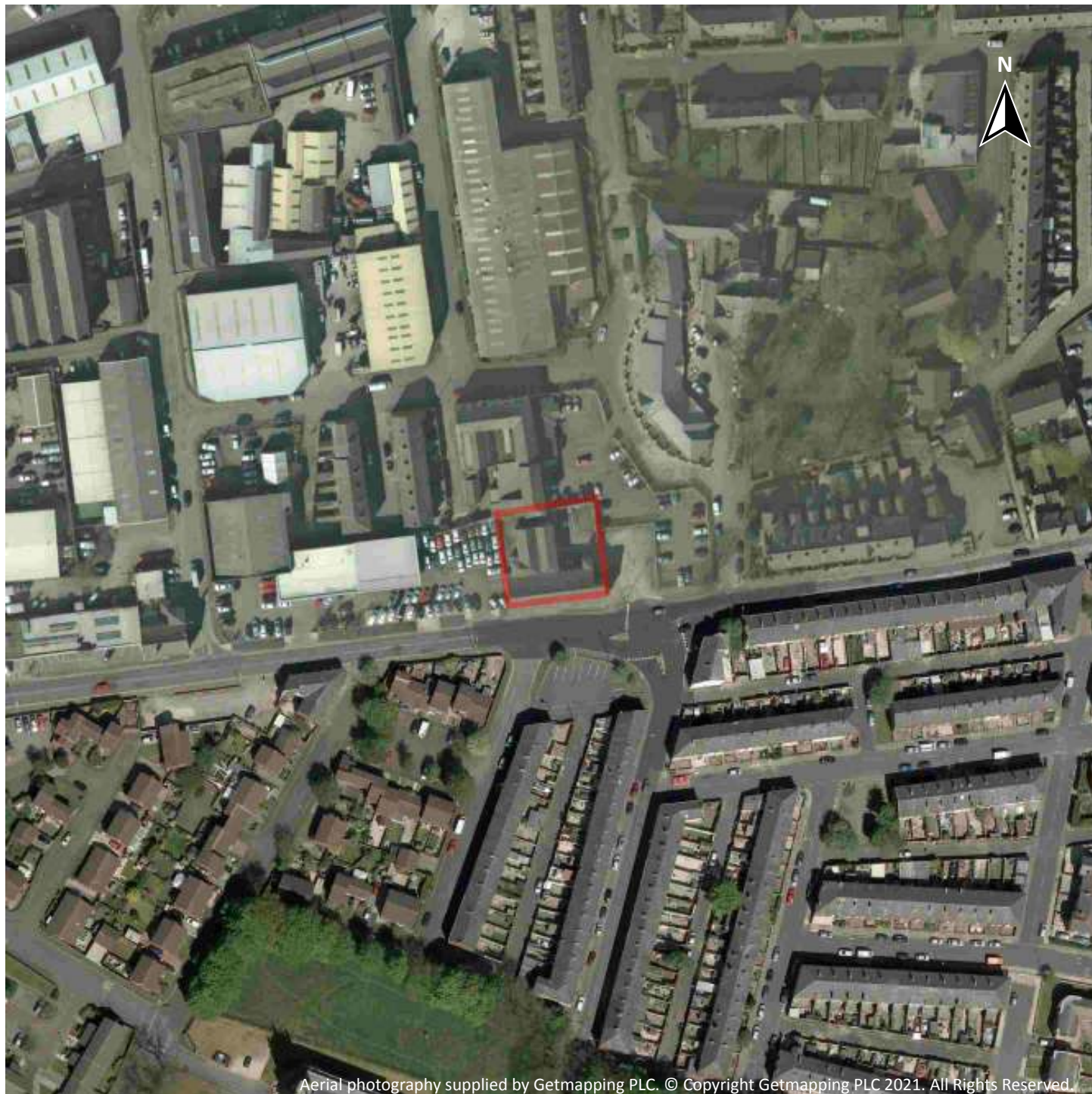
Contact us with any questions at:

info@groundsure.com

08444 159 000

Date: 10 August 2021

Recent site history - 2012 aerial photograph



Capture Date: 26/03/2012

Site Area: 0.09ha



Contact us with any questions at:

info@groundsure.com

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Date: 10 August 2021

Recent site history - 2001 aerial photograph



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Capture Date: 07/05/2001

Site Area: 0.09ha



Contact us with any questions at:

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Date: 10 August 2021

Recent site history - 2000 aerial photograph



Capture Date: 27/06/2000

Site Area: 0.09ha



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info@groundsure.com

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Date: 10 August 2021

Recent site history - 1999 aerial photograph



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Capture Date: 10/09/1999

Site Area: 0.09ha



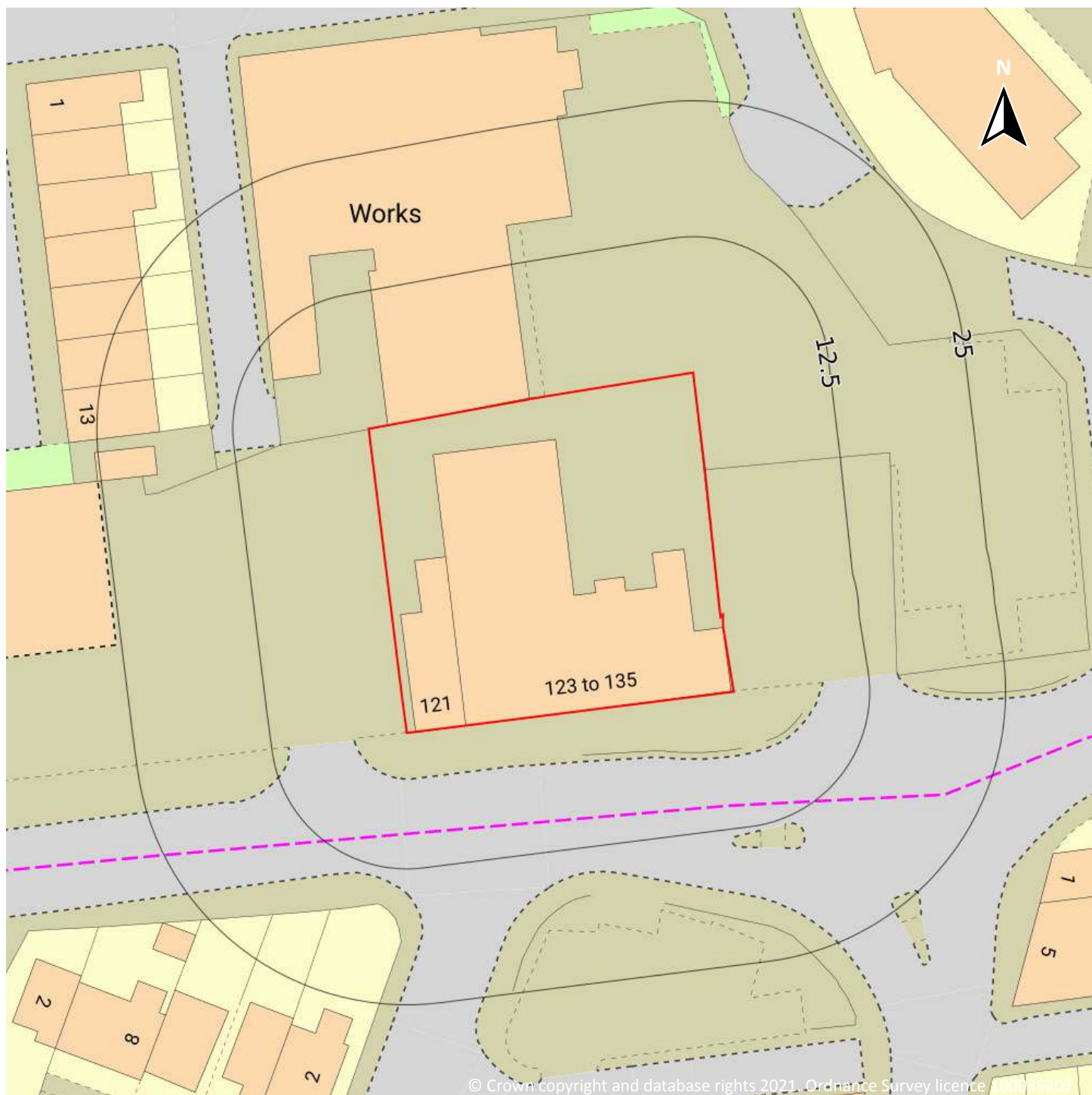
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Date: 10 August 2021

OS MasterMap site plan



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Site Area: 0.09ha



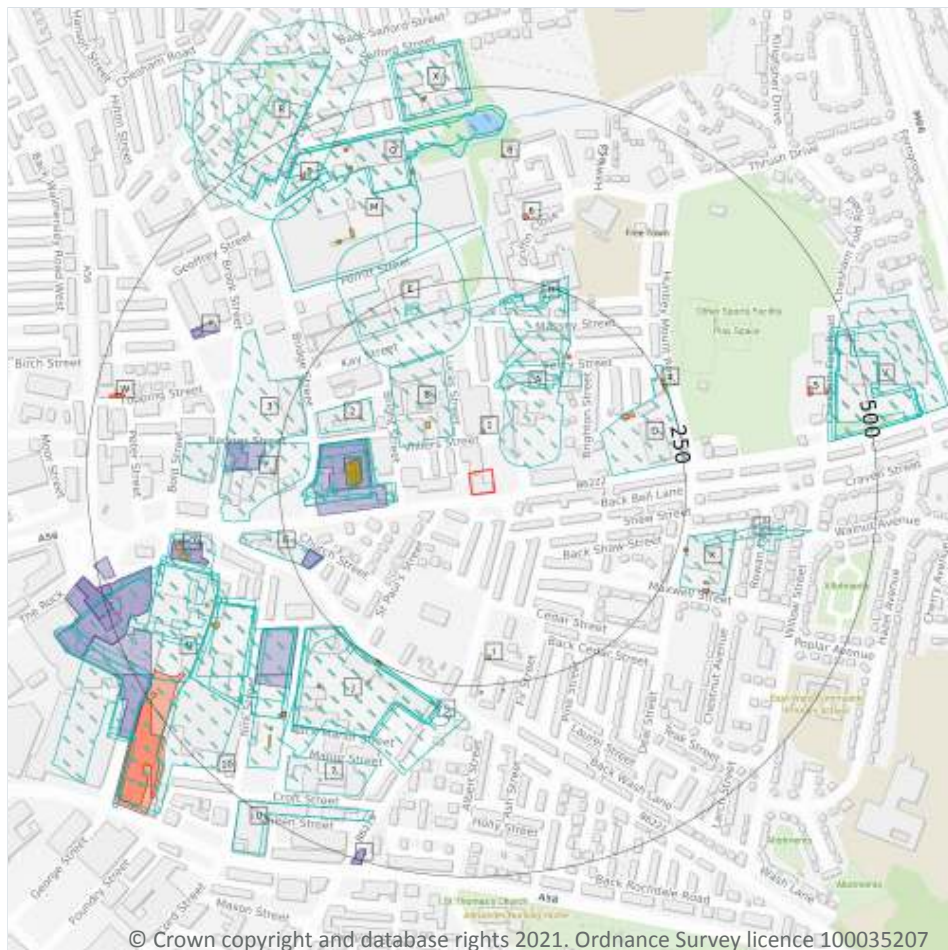
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Date: 10 August 2021

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

75

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	23m NE	Unspecified Works	1891	679038



ID	Location	Land use	Dates present	Group ID
B	53m NW	Unspecified Mills	1967	781107
C	98m W	Unspecified Mill	1938 - 1956	757383
C	102m W	Unspecified Mill	1967	707210
A	107m N	Unspecified Pit	1908	757147
A	108m N	Unspecified Pit	1891	759660
C	130m W	Unspecified Mill	1928	762568
C	131m W	Gas Works	1851	648822
A	136m N	Unspecified Pit	1908	695041
2	139m NW	Unspecified Mill	1967	656816
C	139m W	Unspecified Tanks	1956 - 1967	737970
A	141m NE	Laundry	1928	644925
C	143m W	Unspecified Tank	1938	760652
C	144m W	Gasometer	1851	655130
C	145m W	Unspecified Tank	1938	727125
C	147m W	Unspecified Tank	1908 - 1928	766750
C	149m W	Unspecified Tank	1908 - 1928	734135
D	150m E	Unspecified Works	1967 - 1983	767419
E	161m N	Unspecified Mills	1908 - 1928	785503
F	209m W	Unspecified Works	1967	679039
H	211m N	Unspecified Ground Workings	1908 - 1928	750775
E	213m N	Cotton Mill	1851	644090
G	214m SW	Unspecified Works	1983	679040
3	218m W	Cotton Mill	1851	644089
H	218m N	Unspecified Pit	1938	696660
E	219m N	Gasometer	1851	655120
E	222m N	Unspecified Ground Workings	1851	648133
H	225m N	Unspecified Pit	1938	756243
J	242m SW	Unspecified Works	1983	679042



ID	Location	Land use	Dates present	Group ID
J	243m SW	Unspecified Mills	1956	653120
J	247m SW	Cotton Mill	1851	644088
J	248m SW	Unspecified Mill	1928 - 1938	701806
J	248m SW	Unspecified Commercial/Industrial	1891 - 1908	788872
K	260m E	Unspecified Works	1967 - 1983	729644
5	275m S	Refuse Heap	1851	677987
L	280m E	Rope Walk	1851	641251
J	287m SW	Unspecified Mill	1956	786777
J	289m SW	Unspecified Mills	1967	762024
J	292m SW	Unspecified Mill	1928 - 1938	735555
J	292m SW	Unspecified Commercial/Industrial	1891 - 1908	757982
M	294m N	Unspecified Mill	1967	722913
M	294m N	Unspecified Commercial/Industrial	1956	774938
N	314m SW	Unspecified Mills	1891	754787
J	317m SW	Unspecified Mill	1956	729467
J	321m SW	Unspecified Commercial/Industrial	1908	643126
J	321m SW	Unspecified Mill	1928 - 1938	748837
F	331m W	Unspecified Works	1967 - 1983	696440
J	342m W	Cotton Mill	1851	644092
J	347m W	Unspecified Works	1967 - 1983	775726
N	348m W	Unspecified Mills	1956	757028
L	350m E	Unspecified Mill	1928	656813
J	359m W	Unspecified Works	1928 - 1938	717904
O	373m W	Unspecified Tanks	1891	666443
7	375m S	Unspecified Works	1967	679041
M	385m N	Unspecified Mill	1908 - 1928	741537
Q	385m N	Unspecified Commercial/Industrial	1891	733943
Q	385m N	Unspecified Mill	1938	768108



ID	Location	Land use	Dates present	Group ID
R	407m NW	Unspecified Mills	1928	713155
U	433m S	Unspecified Mill	1928 - 1967	699365
U	435m S	Unspecified Commercial/Industrial	1891 - 1908	741942
V	441m E	Woollen Mill	1851	670982
V	447m E	Unspecified Mills	1908 - 1928	759404
N	449m SW	Iron Foundry	1851	683055
V	450m E	Unspecified Mills	1891	783320
V	450m E	Unspecified Mills	1938	787564
V	451m E	Unspecified Mills	1956 - 1967	783532
R	453m NW	Cotton Mill	1851	644091
V	456m E	Unspecified Works	1983	679037
R	458m NW	Unspecified Mills	1938 - 1956	703345
R	459m NW	Unspecified Mill	1983	656817
X	468m N	Unspecified Mills	1938	772704
X	469m N	Unspecified Mills	1908 - 1928	773554
X	474m N	Unspecified Mills	1956 - 1983	721770
N	478m SW	Unspecified Mills	1928 - 1938	717387
N	485m SW	Unspecified Commercial/Industrial	1851 - 1891	759067

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m

33

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

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



ID	Location	Land use	Dates present	Group ID
B	78m NW	Unspecified Tank	1930 - 1939	100107
C	135m W	Unspecified Tank	1958	82599
C	141m W	Tanks	1958	96844
C	142m W	Tanks	1959	91245
C	148m W	Tanks	1890 - 1939	96651
D	196m E	Tanks	1976 - 1985	92078
I	211m S	Unspecified Tank	1958 - 1959	90798
4	249m NE	Tanks	1985	87199
I	257m S	Unspecified Tank	1957	97284
I	258m S	Unspecified Tank	1957	92327
I	258m S	Unspecified Tank	1957	99332
J	277m SW	Unspecified Tank	1891	91917
K	298m SE	Unspecified Tank	1976 - 1994	96286
J	319m SW	Unspecified Tank	1988	82596
J	338m SW	Unspecified Tank	1930	82594
M	343m NW	Unspecified Tank	1978 - 1996	90512
M	345m NW	Unspecified Tank	1985 - 1996	103107
M	345m NW	Unspecified Tank	1978	89748
J	370m SW	Unspecified Tank	1891 - 1959	101591
J	372m SW	Unspecified Tank	1891	82593
O	380m W	Unspecified Tank	1891	93625
O	384m W	Unspecified Tank	1891	82597
J	401m SW	Unspecified Tank	1910	90471
8	408m N	Tanks	1939	87200
J	410m SW	Tanks	1910 - 1930	102275
M	426m N	Tanks	1959	87201
M	426m N	Unspecified Tank	1958	82598
9	440m NW	Unspecified Tank	1978 - 1988	89591



ID	Location	Land use	Dates present	Group ID
M	451m N	Unspecified Tank	1978	89269
M	451m N	Unspecified Tank	1985 - 1988	91708
N	487m SW	Unspecified Tank	1975 - 1983	96386
10	489m SW	Unspecified Tank	1891	82595
X	493m N	Unspecified Tank	1958 - 1959	102531

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m

22

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

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

ID	Location	Land use	Dates present	Group ID
1	49m N	Electricity Substation	1996 - 1997	50702
A	175m NE	Electricity Substation	1994	45511
D	185m E	Electricity Substation	1994	45512
J	248m SW	Electricity Substation	1996 - 1997	52058
J	249m SW	Electricity Substation	1988	58929
K	259m E	Electricity Substation	1994	49771
K	259m E	Electricity Substation	1976 - 1985	53537
K	301m SE	Electricity Substation	1994	58265
K	307m SE	Electricity Substation	1985	52213
6	330m N	Electricity Substation	1978 - 1996	47956
J	374m SW	Electricity Substation	1994	53128
J	375m SW	Electricity Substation	1975 - 1988	57712
Q	399m N	Electricity Substation	1978 - 1996	51195



ID	Location	Land use	Dates present	Group ID
S	425m E	Electricity Substation	1985	45510
N	443m SW	Electricity Generating Station	1910	50867
S	447m E	Electricity Substation	1976	45509
M	461m N	Electricity Substation	1996	45505
W	461m W	Electricity Substation	1996 - 1998	54702
W	466m W	Electricity Substation	1973 - 1989	55975
X	490m N	Electricity Substation	1996	51854
X	491m N	Electricity Substation	1985 - 1988	56337
N	498m SW	Electricity Depot	1973 - 1975	52160

This data is sourced from Ordnance Survey / Groundsure.

1.4 Historical petrol stations

Records within 500m

0

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

This data is sourced from Ordnance Survey / Groundsure.

1.5 Historical garages

Records within 500m

23

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

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

ID	Location	Land use	Dates present	Group ID
C	111m W	Garage	1996 - 1997	18785
C	128m W	Garage	1988	16724



ID	Location	Land use	Dates present	Group ID
G	210m SW	Garage	1988	15844
G	211m SW	Garage	1996 - 1997	19424
F	269m W	Garage	1988	16419
J	286m SW	Garage	1983 - 1984	19703
F	290m W	Garage	1996 - 1997	18855
J	334m SW	Garage	1975 - 1983	19185
O	355m W	Garage	1958 - 1984	18957
O	356m W	Garage	1959 - 1988	17661
P	377m NW	Garage	1996 - 1997	17653
P	394m NW	Garage	1988	15718
T	430m W	Garage	1985	17211
T	431m W	Garage	1985 - 1989	17677
N	457m SW	Garage	1996 - 1998	19194
T	479m W	Garage	1973	14615
N	481m SW	Garage	1998	15554
N	481m SW	Garage	1987 - 1993	17867
Y	485m S	Garage	1957 - 1975	17991
Y	485m S	Garage	1957	15970
T	486m W	Garage	1973	15877
T	487m W	Garage	1959	16465
T	492m W	Garage	1958	15575

This data is sourced from Ordnance Survey / Groundsure.

1.6 Historical military land

Records within 500m

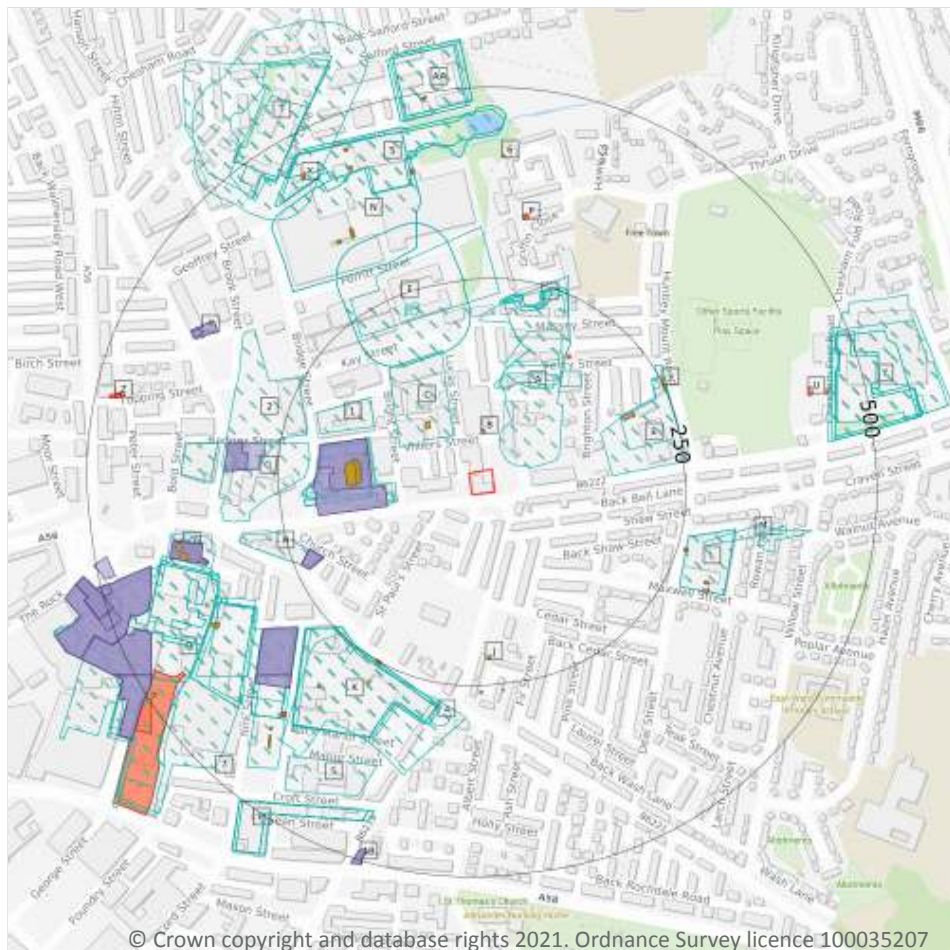
0

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

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



2 Past land use - un-grouped



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

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2.1 Historical industrial land uses

Records within 500m

103

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 22**

ID	Location	Land Use	Date	Group ID
A	23m NE	Unspecified Works	1891	679038
C	53m NW	Unspecified Mills	1967	781107
D	98m W	Unspecified Mill	1956	757383



ID	Location	Land Use	Date	Group ID
D	102m W	Unspecified Mill	1967	707210
A	107m N	Unspecified Pit	1908	757147
A	108m N	Unspecified Pit	1891	759660
D	130m W	Unspecified Mill	1938	757383
D	130m W	Unspecified Mill	1928	762568
D	131m W	Gas Works	1851	648822
A	136m N	Unspecified Pit	1908	695041
1	139m NW	Unspecified Mill	1967	656816
D	139m W	Unspecified Tanks	1956	737970
D	139m W	Unspecified Tanks	1967	737970
A	141m NE	Laundry	1928	644925
D	143m W	Unspecified Tank	1938	760652
D	144m W	Gasometer	1851	655130
D	145m W	Unspecified Tank	1938	727125
D	147m W	Unspecified Tank	1928	766750
D	147m W	Unspecified Tank	1908	766750
D	149m W	Unspecified Tank	1928	734135
D	149m W	Unspecified Tank	1908	734135
E	150m E	Unspecified Works	1983	767419
F	161m N	Unspecified Mills	1928	785503
F	161m N	Unspecified Mills	1908	785503
E	180m E	Unspecified Works	1967	767419
G	209m W	Unspecified Works	1967	679039
I	211m N	Unspecified Ground Workings	1928	750775
I	211m N	Unspecified Ground Workings	1908	750775
F	213m N	Cotton Mill	1851	644090
H	214m SW	Unspecified Works	1983	679040
2	218m W	Cotton Mill	1851	644089



ID	Location	Land Use	Date	Group ID
I	218m N	Unspecified Pit	1938	696660
F	219m N	Gasometer	1851	655120
F	222m N	Unspecified Ground Workings	1851	648133
I	225m N	Unspecified Pit	1938	756243
K	242m SW	Unspecified Works	1983	679042
K	243m SW	Unspecified Mills	1956	653120
K	247m SW	Cotton Mill	1851	644088
K	248m SW	Unspecified Mill	1938	701806
K	248m SW	Unspecified Commercial/Industrial	1891	788872
K	248m SW	Unspecified Mill	1928	701806
K	248m SW	Unspecified Commercial/Industrial	1908	788872
L	260m E	Unspecified Works	1983	729644
L	260m E	Unspecified Works	1967	729644
4	275m S	Refuse Heap	1851	677987
M	280m E	Rope Walk	1851	641251
K	287m SW	Unspecified Mill	1956	786777
K	289m SW	Unspecified Mills	1967	762024
K	292m SW	Unspecified Mill	1938	735555
K	292m SW	Unspecified Commercial/Industrial	1891	757982
K	292m SW	Unspecified Mill	1928	735555
K	292m SW	Unspecified Commercial/Industrial	1908	757982
N	294m N	Unspecified Commercial/Industrial	1956	774938
N	294m N	Unspecified Mill	1967	722913
O	314m SW	Unspecified Mills	1891	754787
K	317m SW	Unspecified Mill	1956	729467
K	321m SW	Unspecified Mill	1938	748837
K	321m SW	Unspecified Mill	1928	748837
K	321m SW	Unspecified Commercial/Industrial	1908	643126



ID	Location	Land Use	Date	Group ID
G	331m W	Unspecified Works	1983	696440
G	331m W	Unspecified Works	1967	696440
K	342m W	Cotton Mill	1851	644092
K	347m W	Unspecified Works	1983	775726
K	347m W	Unspecified Works	1967	775726
O	348m W	Unspecified Mills	1956	757028
M	350m E	Unspecified Mill	1928	656813
K	359m W	Unspecified Works	1938	717904
K	359m W	Unspecified Works	1928	717904
Q	373m W	Unspecified Tanks	1891	666443
5	375m S	Unspecified Works	1967	679041
N	385m N	Unspecified Mill	1928	741537
N	385m N	Unspecified Mill	1908	741537
S	385m N	Unspecified Mill	1938	768108
S	385m N	Unspecified Commercial/Industrial	1891	733943
T	407m NW	Unspecified Mills	1928	713155
W	433m S	Unspecified Mill	1956	699365
W	433m S	Unspecified Mill	1967	699365
W	435m S	Unspecified Mill	1938	699365
W	435m S	Unspecified Commercial/Industrial	1891	741942
W	435m S	Unspecified Mill	1928	699365
W	435m S	Unspecified Commercial/Industrial	1908	741942
Y	441m E	Woollen Mill	1851	670982
Y	447m E	Unspecified Mills	1928	759404
Y	447m E	Unspecified Mills	1908	759404
O	449m SW	Iron Foundry	1851	683055
Y	450m E	Unspecified Mills	1938	787564
Y	450m E	Unspecified Mills	1891	783320



ID	Location	Land Use	Date	Group ID
Y	451m E	Unspecified Mills	1956	783532
Y	451m E	Unspecified Mills	1967	783532
T	453m NW	Cotton Mill	1851	644091
Y	456m E	Unspecified Works	1983	679037
T	458m NW	Unspecified Mills	1956	703345
T	459m NW	Unspecified Mills	1938	703345
T	459m NW	Unspecified Mill	1983	656817
AA	468m N	Unspecified Mills	1938	772704
AA	469m N	Unspecified Mills	1928	773554
AA	469m N	Unspecified Mills	1908	773554
AA	474m N	Unspecified Mills	1983	721770
AA	474m N	Unspecified Mills	1956	721770
AA	474m N	Unspecified Mills	1967	721770
O	478m SW	Unspecified Mills	1938	717387
O	478m SW	Unspecified Mills	1928	717387
O	485m SW	Unspecified Commercial/Industrial	1851	759067

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m

59

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 22**

ID	Location	Land Use	Date	Group ID
C	78m NW	Unspecified Tank	1930	100107
C	78m NW	Unspecified Tank	1939	100107
D	135m W	Unspecified Tank	1958	82599
D	141m W	Tanks	1958	96844



ID	Location	Land Use	Date	Group ID
D	142m W	Tanks	1959	91245
D	148m W	Tanks	1890	96651
D	148m W	Tanks	1910	96651
D	148m W	Tanks	1930	96651
D	148m W	Tanks	1939	96651
E	196m E	Tanks	1985	92078
E	197m E	Tanks	1976	92078
J	211m S	Unspecified Tank	1958	90798
J	212m S	Unspecified Tank	1959	90798
3	249m NE	Tanks	1985	87199
J	257m S	Unspecified Tank	1957	97284
J	257m S	Unspecified Tank	1957	97284
J	258m S	Unspecified Tank	1957	92327
J	258m S	Unspecified Tank	1957	99332
K	277m SW	Unspecified Tank	1891	91917
K	277m SW	Unspecified Tank	1891	91917
L	298m SE	Unspecified Tank	1985	96286
L	299m SE	Unspecified Tank	1994	96286
L	299m SE	Unspecified Tank	1976	96286
K	319m SW	Unspecified Tank	1988	82596
K	338m SW	Unspecified Tank	1930	82594
N	343m NW	Unspecified Tank	1996	90512
N	343m NW	Unspecified Tank	1978	90512
N	344m NW	Unspecified Tank	1985	90512
N	344m NW	Unspecified Tank	1988	90512
N	345m NW	Unspecified Tank	1996	103107
N	345m NW	Unspecified Tank	1978	89748
N	346m NW	Unspecified Tank	1985	103107



ID	Location	Land Use	Date	Group ID
N	346m NW	Unspecified Tank	1988	103107
K	370m SW	Unspecified Tank	1958	101591
K	371m SW	Unspecified Tank	1959	101591
K	372m SW	Unspecified Tank	1891	82593
K	375m SW	Unspecified Tank	1891	101591
Q	380m W	Unspecified Tank	1891	93625
Q	380m W	Unspecified Tank	1891	93625
Q	384m W	Unspecified Tank	1891	82597
K	401m SW	Unspecified Tank	1910	90471
K	401m SW	Unspecified Tank	1910	90471
6	408m N	Tanks	1939	87200
K	410m SW	Tanks	1910	102275
K	410m SW	Tanks	1930	102275
K	410m SW	Tanks	1910	102275
N	426m N	Tanks	1959	87201
N	426m N	Unspecified Tank	1958	82598
X	440m NW	Unspecified Tank	1978	89591
X	441m NW	Unspecified Tank	1985	89591
X	441m NW	Unspecified Tank	1988	89591
N	451m N	Unspecified Tank	1978	89269
N	451m N	Unspecified Tank	1985	91708
N	451m N	Unspecified Tank	1988	91708
O	487m SW	Unspecified Tank	1983	96386
O	488m SW	Unspecified Tank	1975	96386
7	489m SW	Unspecified Tank	1891	82595
AA	493m N	Unspecified Tank	1959	102531
AA	493m N	Unspecified Tank	1958	102531

This data is sourced from Ordnance Survey / Groundsure.



2.3 Historical energy features

Records within 500m

41

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 22**

ID	Location	Land Use	Date	Group ID
B	49m N	Electricity Substation	1997	50702
B	49m N	Electricity Substation	1996	50702
A	175m NE	Electricity Substation	1994	45511
E	185m E	Electricity Substation	1994	45512
K	248m SW	Electricity Substation	1997	52058
K	248m SW	Electricity Substation	1996	52058
K	249m SW	Electricity Substation	1988	58929
L	259m E	Electricity Substation	1994	49771
L	259m E	Electricity Substation	1985	53537
L	260m E	Electricity Substation	1976	53537
L	301m SE	Electricity Substation	1994	58265
L	307m SE	Electricity Substation	1985	52213
P	330m N	Electricity Substation	1996	47956
P	330m N	Electricity Substation	1978	47956
P	330m N	Electricity Substation	1985	47956
P	330m N	Electricity Substation	1988	47956
K	374m SW	Electricity Substation	1994	53128
K	375m SW	Electricity Substation	1975	57712
K	375m SW	Electricity Substation	1988	57712
K	375m SW	Electricity Substation	1983	57712
K	375m SW	Electricity Substation	1985	57712
S	399m N	Electricity Substation	1978	51195
S	400m N	Electricity Substation	1985	51195



ID	Location	Land Use	Date	Group ID
S	400m N	Electricity Substation	1988	51195
S	400m N	Electricity Substation	1996	51195
U	425m E	Electricity Substation	1985	45510
O	443m SW	Electricity Generating Station	1910	50867
O	443m SW	Electricity Generating Station	1910	50867
U	447m E	Electricity Substation	1976	45509
N	461m N	Electricity Substation	1996	45505
Z	461m W	Electricity Substation	1996	54702
Z	461m W	Electricity Substation	1997	54702
Z	461m W	Electricity Substation	1998	54702
Z	466m W	Electricity Substation	1985	55975
Z	466m W	Electricity Substation	1973	55975
Z	467m W	Electricity Substation	1985	55975
Z	467m W	Electricity Substation	1989	55975
AA	490m N	Electricity Substation	1996	51854
AA	491m N	Electricity Substation	1985	56337
AA	491m N	Electricity Substation	1988	56337
O	498m SW	Electricity Depot	1973	52160

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

39

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 22**

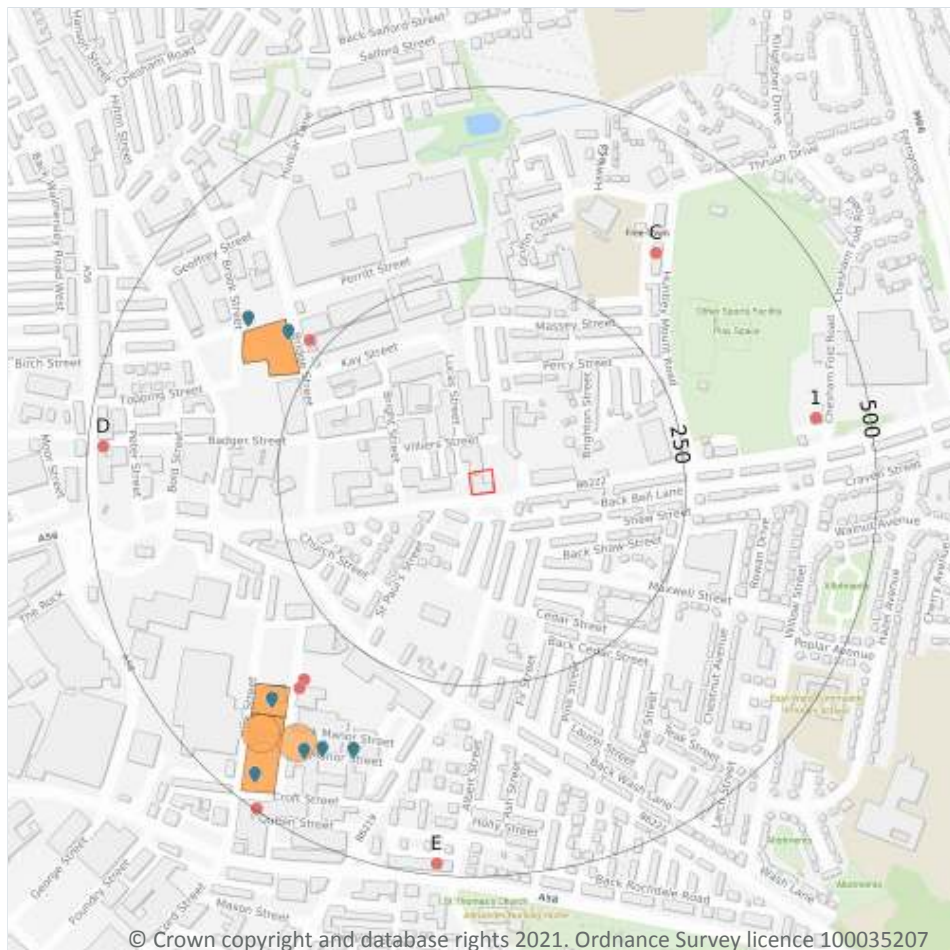
ID	Location	Land Use	Date	Group ID
D	111m W	Garage	1996	18785
D	111m W	Garage	1997	18785
D	128m W	Garage	1988	16724
H	210m SW	Garage	1988	15844
H	211m SW	Garage	1996	19424
H	211m SW	Garage	1997	19424
G	269m W	Garage	1988	16419
K	286m SW	Garage	1983	19703
K	286m SW	Garage	1983	19703
K	286m SW	Garage	1984	19703
G	290m W	Garage	1996	18855
G	290m W	Garage	1997	18855
K	334m SW	Garage	1975	19185
K	335m SW	Garage	1983	19185
Q	355m W	Garage	1958	18957
Q	356m W	Garage	1988	17661
Q	356m W	Garage	1959	17661
Q	356m W	Garage	1983	18957
Q	356m W	Garage	1983	18957
Q	356m W	Garage	1984	18957
R	377m NW	Garage	1996	17653
R	377m NW	Garage	1997	17653
R	394m NW	Garage	1988	15718



ID	Location	Land Use	Date	Group ID
V	430m W	Garage	1985	17211
V	431m W	Garage	1985	17677
V	431m W	Garage	1989	17677
O	457m SW	Garage	1998	19194
O	457m SW	Garage	1996	19194
O	457m SW	Garage	1997	19194
V	479m W	Garage	1973	14615
O	481m SW	Garage	1998	15554
O	481m SW	Garage	1993	17867
O	481m SW	Garage	1987	17867
AB	485m S	Garage	1957	17991
AB	485m S	Garage	1957	15970
AB	485m S	Garage	1975	17991
V	486m W	Garage	1973	15877
V	487m W	Garage	1959	16465
V	492m W	Garage	1958	15575

This data is sourced from Ordnance Survey / Groundsure.

3 Waste and landfill



- Site Outline
- Search buffers in metres (m)
- Historical waste sites
- Licensed waste sites
- Waste exemptions

3.1 Active or recent landfill

Records within 500m

0

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

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

3.2 Historical landfill (BGS records)

Records within 500m

0

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

This data is sourced from the British Geological Survey.



3.3 Historical landfill (LA/mapping records)

Records within 500m

0

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

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

3.4 Historical landfill (EA/NRW records)

Records within 500m

0

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.

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

3.5 Historical waste sites

Records within 500m

11

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 33**

ID	Location	Address	Further Details	Date
A	257m 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
A	257m 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	1997
A	257m 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	1996

ID	Location	Address	Further Details	Date
B	346m SW	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1994
B	347m SW	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1987
B	371m SW	Site Address: Manor Street, BURY, Greater Manchester, BL9 7BL	Type of Site: Recycling Centre Planning application reference: 32631/96 Description: An application (ref: 32631/96) for Detailed Planning permission was submitted to Bury M.B.C. on 31st October 1996. Data source: Historic Planning Application Data Type: Point	-
B	380m SW	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1994
B	380m SW	Site Address: N/A	Type of Site: Scrap Metal Works Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1983
B	380m SW	Site Address: N/A	Type of Site: Scrap Metal Works Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1985
B	380m SW	Site Address: N/A	Type of Site: Scrap Metal Works Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1974
B	391m SW	Site Address: York Street, Mill, York Street, BURY, Greater Manchester, BL9 7AR	Type of Site: Waste Recycling Building Planning application reference: 51924 Description: Scheme comprises change of use of site to waste recycling centre with construction of transfer building. An application (ref: 51924) for detailed planning permission was granted by Bury M.B.C. A detailed planning application has been granted. Data source: Historic Planning Application Data Type: Point	20/07/2010



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

3.6 Licensed waste sites

Records within 500m

13

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

Features are displayed on the Waste and landfill map on **page 33**

ID	Location	Details		
A	300m NW	Site Name: Land/ Premises At Bridge Street Site Address: Land/premises At, Bridge Street, Bury, Lancashire, BL9 6HH Correspondence Address: -	Type of Site: Metal Recycling Site (mixed MRS's) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: SIM134 EPR reference: EA/EPR/FB3639DA/V002 Operator: Sims Group U K Ltd Waste Management licence No: 53473 Annual Tonnage: 24999	Issue Date: 13/11/1998 Effective Date: 22/03/2012 Modified: 01/07/2015 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
A	300m NW	Site Name: Land/ Premises At Bridge Street Site Address: Land/premises At, Bridge Street, Bury, Lancashire, BL9 6HH Correspondence Address: -	Type of Site: Metal Recycling Site (mixed MRS's) Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: SIM134 EPR reference: EA/EPR/FB3639DA/S003 Operator: Sims Group U K Limited Waste Management licence No: 53473 Annual Tonnage: 107586	Issue Date: 13/11/1998 Effective Date: 22/03/2012 Modified: 01/07/2015 Surrendered Date: Jun 24 2020 12:00AM Expiry Date: - Cancelled Date: - Status: Surrendered
A	300m NW	Site Name: Land/ Premises At Bridge Street Site Address: Land/premises At, Bridge Street, Bury, Lancashire, BL9 6HH Correspondence Address: -	Type of Site: Metal Recycling Site (mixed MRS's) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: SIM134 EPR reference: EA/EPR/FB3639DA/S003 Operator: Sims Group U K Limited Waste Management licence No: 53473 Annual Tonnage: 107586	Issue Date: 13/11/1998 Effective Date: 22/03/2012 Modified: 01/07/2015 Surrendered Date: Jun 24 2020 12:00AM Expiry Date: - Cancelled Date: - Status: Surrendered



ID	Location	Details		
A	353m NW	Site Name: Brook Street Metal Co Ltd Site Address: Land/premises At, Bridge Street, Bury, Lancashire, BL9 6HH Correspondence Address: -	Type of Site: Metal Recycling Site (mixed MRS's) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: BSM001 EPR reference: EA/EPR/KP3892CJ/A001 Operator: Brook Street Metal Co Ltd Waste Management licence No: 53473 Annual Tonnage: 417	Issue Date: 13/11/1998 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
B	368m SW	Site Name: K M A Transfer Station Site Address: Manor Street, Bury, Lancashire, BL9 7BL Correspondence Address: Manor Street, Bury, Lancashire, BL9 7BL	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: GAS001 EPR reference: - Operator: Gerald Ashe & Karen Marie Ashe Waste Management licence No: 50015 Annual Tonnage: 0	Issue Date: 07/08/1998 Effective Date: 03/11/2001 Modified: 02/11/2001 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
B	368m SW	Site Name: Briggs Skips Site Address: Manor Street, Bury, Lancashire, BL9 7BL Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: BRI120 EPR reference: EA/EPR/CP3398CV/T003 Operator: Briggs Susan Ann Waste Management licence No: 50015 Annual Tonnage: 25000	Issue Date: 07/08/1998 Effective Date: 10/03/2005 Modified: 02/11/2001 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Revoked



ID	Location	Details		
B	368m SW	Site Name: Briggs Skips Site Address: Manor Street, Bury, Lancashire, BL9 7BL Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: BRI120 EPR reference: EA/EPR/CP3398CV/T003 Operator: Briggs Susan Ann Waste Management licence No: 50015 Annual Tonnage: 25000	Issue Date: 07/08/1998 Effective Date: 10/03/2005 Modified: 02/11/2001 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Revoked
B	374m SW	Site Name: York Street Transfer Station Site Address: York Street Mill, York Street, Bury, Lancashire, BL9 7AR Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: SBL001 EPR reference: EA/EPR/BP3891CF/V002 Operator: Swinnerton Bros Ltd Waste Management licence No: 53921 Annual Tonnage: 2083.333	Issue Date: 22/09/1983 Effective Date: - Modified: 17/05/2002 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Revoked
B	374m SW	Site Name: York Street Transfer Station Site Address: York Street Mill, York Street, Bury, Lancashire, BL9 7AR Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: SBL001 EPR reference: EA/EPR/BP3891CF/V002 Operator: Swinnerton Bros Ltd Waste Management licence No: 53921 Annual Tonnage: 2083.333	Issue Date: 22/09/1983 Effective Date: - Modified: 17/05/2002 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Revoked



ID	Location	Details		
B	386m SW	Site Name: Manor Skip Hire Site Address: Land / Premises At, Manor Street, Bury, Lancashire, BL9 7BL Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: LEW038 EPR reference: EA/EPR/XP3593VS/T001 Operator: Lewis Miss Nicola Waste Management licence No: 100427 Annual Tonnage: 24999	Issue Date: 29/09/2008 Effective Date: 07/06/2011 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred
B	401m SW	Site Name: Bury Skip Hire Ltd Site Address: Land / Premises At, Manor Street, Bury, Lancs, BL9 7BL Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: BSH001 EPR reference: ZP3298EE/A001 Operator: Bury Skip Hire Ltd Waste Management licence No: 100427 Annual Tonnage: 0	Issue Date: 29/09/2008 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
B	463m SW	Site Name: Mr Skip & Grab Hire Site Address: York Street Recycling Centre, York Street, Bury, Lancashire, BL9 7AR Correspondence Address: -	Type of Site: 75kte HCI Waste TS + treatment Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: SKI039 EPR reference: EA/EPR/NP3994VS/V002 Operator: Mr Richard Roberts & Mr Ian Marshall Waste Management licence No: 102063 Annual Tonnage: 74999	Issue Date: 21/10/2010 Effective Date: - Modified: 07/03/2011 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified



ID	Location	Details		
B	463m SW	Site Name: Mr Skip & Grab Hire Site Address: York Street Recycling Centre, York Street, Bury, Lancashire, BL9 7AR Correspondence Address: -	Type of Site: 75kte HCI Waste TS + treatment Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: SKI039 EPR reference: EA/EPR/NP3994VS/V002 Operator: Mr Richard Roberts & Mr Ian Marshall Waste Management licence No: 102063 Annual Tonnage: 74999	Issue Date: 21/10/2010 Effective Date: - Modified: 07/03/2011 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified

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

3.7 Waste exemptions

Records within 500m	14
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Activities involving the storage, treatment, use or disposal of waste that are exempt from needing a permit. Exemptions have specific limits and conditions that must be adhered to.

Features are displayed on the Waste and landfill map on **page 33**

ID	Location	Site	Reference	Category	Sub-Category	Description
A	271m NW	Sims Group UK Limited Bridge Street BURY Lancashire BL9 6HH	EPR/BE5256FC /A001	Treating waste exemption	Both agricultural and non-agricultural waste	Recovery of scrap metal
B	327m SW	the tyre yard, the tyre yard, fountain street north, bury, BL9 7an	WEX108300	Storing waste exemption	Not on a farm	Storage of waste in secure containers
B	327m SW	the tyre yard, the tyre yard, fountain street north, bury, BL9 7an	WEX108300	Storing waste exemption	Not on a farm	Storage of waste in a secure place
B	327m SW	the tyre yard, the tyre yard, fountain street north, bury, BL9 7an	WEX108300	Treating waste exemption	Not on a farm	Mechanical treatment of end-of-life tyres
B	327m SW	the tyre yard, the tyre yard, fountain street north, bury, BL9 7an	WEX108300	Using waste exemption	Not on a farm	Use of depolluted end-of-life vehicles for vehicle parts
B	340m SW	The Tyre Yard, Fountain Street North, Bury, BL9 7AN	WEX237959	Treating waste exemption	Not on a farm	Mechanical treatment of end-of-life tyres

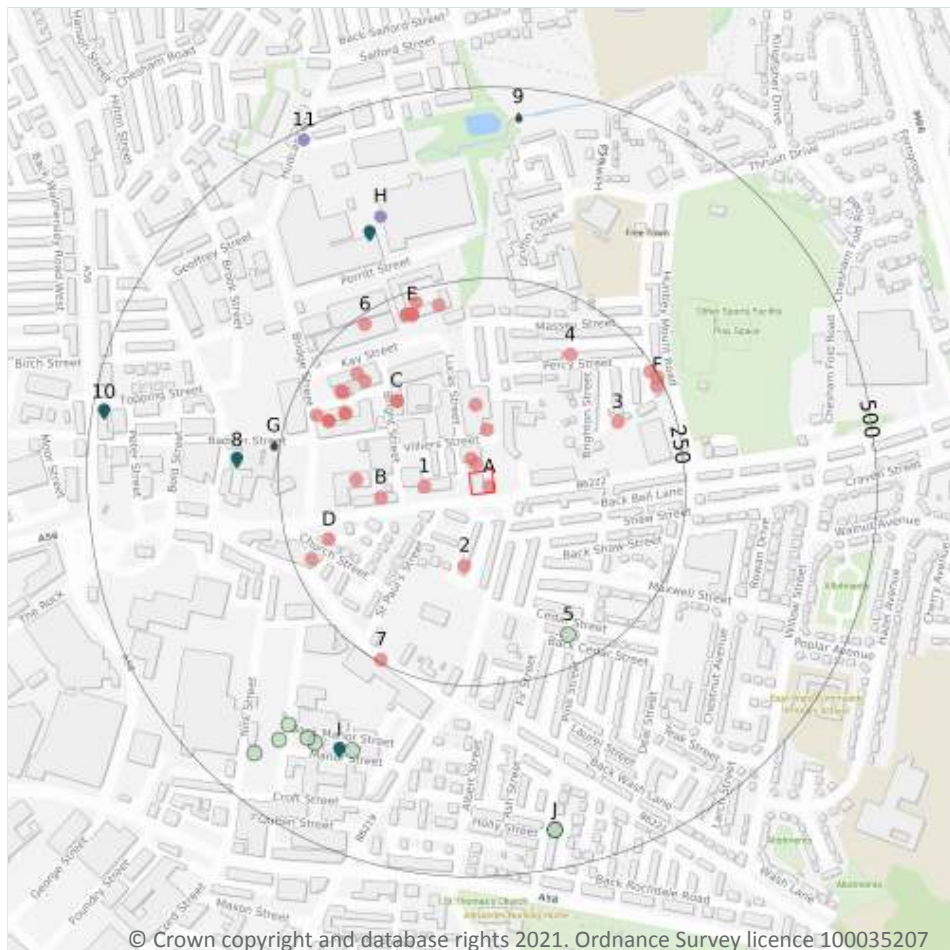


ID	Location	Site	Reference	Category	Sub-Category	Description
C	355m NE	Huntley Mount Pharmacy Huntley Mount Road BURY Lancashire BL9 6JA	EPR/SF0931DS /A001	Treating waste exemption	Non-Agricultural Waste Only	Sorting mixed waste
C	355m NE	Huntley Mount Pharmacy Huntley Mount Road BURY Lancashire BL9 6JA	EPR/SF0931DS /A001	Treating waste exemption	Non-Agricultural Waste Only	Sorting and de-naturing of controlled drugs for disposal
1	429m E	Mossfield Mill, Unit 3 Chesham Fold Road, Bury, Lancashire, BL9 6LE	EA/EPR/VP395 8ZA/A001	Treating waste exemption	Not on a farm	Repair or refurbishment of WEEE
D	480m W	46, WALMERSLEY ROAD, BURY, BL9 6DP	WEX224400	Storing waste exemption	Not on a farm	Storage of waste in secure containers
D	480m W	46, WALMERSLEY ROAD, BURY, BL9 6DP	WEX073916	Storing waste exemption	Not on a farm	Storage of waste in secure containers
E	485m S	-	WEX262605	Storing waste exemption	Not on a farm	Storage of waste in secure containers
E	485m S	-	WEX262605	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
B	499m SW	YORK STREET MILL, UNIT 4, YORK STREET, BURY, BL9 7AR	WEX093188	Treating waste exemption	Not on a farm	Manual treatment of waste

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
- Historical licensed industrial activities
- Licensed pollutant release (Part A(2)/B)
- Licensed Discharges to controlled waters
- Pollution Incidents (EA/NRW)

4.1 Recent industrial land uses

Records within 250m

37

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on **page 42**

ID	Location	Company	Address	Activity	Category
A	On site	HSS Hire Service Group Ltd	125-131, Bell Lane, Bury, Greater Manchester, BL9 6BB	Construction and Tool Hire	Hire Services
A	11m N	Chadwicks of Bury	Villiers Street, Bury, Greater Manchester, BL9 6BS	Metals Manufacturers, Fabricators and Stockholders	Industrial Products



ID	Location	Company	Address	Activity	Category
A	18m N	Works	Greater Manchester, BL9	Unspecified Works Or Factories	Industrial Features
A	52m N	Electricity Sub Station	Greater Manchester, BL9	Electrical Features	Infrastructure and Facilities
1	61m W	Inchcape Volkswagen	Bell Lane, Bury, Greater Manchester, BL9 6DL	New Vehicles	Motoring
A	87m N	Works	Greater Manchester, BL9	Unspecified Works Or Factories	Industrial Features
2	94m S	Bury CCTV	29, Sanderson Street, Bury, Greater Manchester, BL9 6BP	Electronic Equipment	Industrial Products
B	119m W	Speedy Self Drive	61-65, Bell Lane, Bury, Greater Manchester, BL9 6BB	Vehicle Hire and Rental	Hire Services
C	134m NW	Shaheen Sauces Ltd	Unit 14 Bright Street Mill, Bright Street, Bury, Greater Manchester, BL9 6AQ	Catering and Non Specific Food Products	Foodstuffs
C	134m NW	Piston & Rotor Ltd	Unit 17 Bright Street Mill, Bright Street, Bury, Greater Manchester, BL9 6AQ	Vehicle Repair, Testing and Servicing	Repair and Servicing
B	148m W	Farnell Land Rover	Bell Lane, Bury, Greater Manchester, BL9 6DJ	New Vehicles	Motoring
3	176m E	Electricity Sub Station	Greater Manchester, BL9	Electrical Features	Infrastructure and Facilities
C	180m NW	D A S Bury Ltd	Unit 1 Britannia Mill, Samuel Street, Bury, Greater Manchester, BL9 6AG	Vehicle Repair, Testing and Servicing	Repair and Servicing
C	180m NW	Carrera 2000	Unit 9a Britannia Mill, Cobden Street, Bury, Greater Manchester, BL9 6AW	Giftware	Consumer Products
4	181m NE	Electricity Sub Station	Greater Manchester, BL9	Electrical Features	Infrastructure and Facilities
C	182m NW	Carrick Leather Goods Co Ltd	31, Samuel Street, Bury, Greater Manchester, BL9 6AG	Leather Products	Consumer Products
C	195m NW	B Davies & Sons Ltd	6-16, Samuel Street, Bury, Greater Manchester, BL9 6AG	Fish, Meat and Poultry Products	Foodstuffs
D	196m W	Cartime	Bell Lane, Bury, Greater Manchester, BL9 6AR	Secondhand Vehicles	Motoring
C	196m W	Britannia Mills Storage Co Ltd	Unit 6b Britannia Mill, Cobden Street, Bury, Greater Manchester, BL9 6AW	Container and Storage	Transport, Storage and Delivery



ID	Location	Company	Address	Activity	Category
C	196m W	Silver Street Brewery Ltd	Britannia Mill, Cobden Street, Bury, Greater Manchester, BL9 6AW	Alcoholic Drinks	Foodstuffs
C	196m NW	Valves & Engineered Products Ltd	Kay Buildings, Kay Street, Bury, Greater Manchester, BL9 6BQ	Industrial Engineers	Engineering Services
C	196m W	Outstanding Beers	Unit 4/B Britannia Mill, Cobden Street, Bury, Greater Manchester, BL9 6AW	Alcoholic Drinks	Foodstuffs
C	199m NW	Motor Restore Ltd	4a, Samuel Street, Bury, Greater Manchester, BL9 6AG	Vehicle Repair, Testing and Servicing	Repair and Servicing
C	213m W	Motor Restore	4a, Samuel Street, Bury, Greater Manchester, BL9 6AG	Vehicle Repair, Testing and Servicing	Repair and Servicing
E	221m N	G A P	Unit 4, Kay Street, Bury, Greater Manchester, BL9 6BU	Rubber, Silicones and Plastics	Industrial Products
E	221m N	B M S Superfactor s	Unit 10, Kay Street, Bury, Greater Manchester, BL9 6BU	Vehicle Parts and Accessories	Motoring
E	221m N	Central Motors	Unit 7, Kay Street, Bury, Greater Manchester, BL9 6BU	Vehicle Repair, Testing and Servicing	Repair and Servicing
E	223m N	The Garage Bury	1, Kay Street, Bury, Greater Manchester, BL9 6BT	Vehicle Repair, Testing and Servicing	Repair and Servicing
E	223m N	Specialist Switchgear Systems Ltd	Unit 9, Kay Street, Bury, Greater Manchester, BL9 6BU	Distribution and Haulage	Transport, Storage and Delivery
E	223m N	Sefar Ltd	Unit 51 Bury Business Centre, Kay Street, Bury, Greater Manchester, BL9 6BU	Air and Water Filtration	Industrial Products
D	226m W	B M Auto Bodies	Star Works, Church Street, Bury, Greater Manchester, BL9 6BN	Vehicle Repair, Testing and Servicing	Repair and Servicing
E	234m N	Bury Business Centre	Greater Manchester, BL9	Business Parks and Industrial Estates	Industrial Features
6	238m NW	Central Motors	Unit 7, Kay Street, Bury, Greater Manchester, BL9 6BU	Vehicle Repair, Testing and Servicing	Repair and Servicing
F	243m NE	Akuturn	1, Huntley Mount Road, Bury, Greater Manchester, BL9 6HY	Precision Engineers	Engineering Services
F	243m NE	Mast (Telecommunication)	Greater Manchester, BL9	Telecommunications Features	Infrastructure and Facilities



ID	Location	Company	Address	Activity	Category
7	246m SW	Electricity Sub Station	Greater Manchester, BL9	Electrical Features	Infrastructure and Facilities
F	249m NE	Works	Greater Manchester, BL9	Unspecified Works Or Factories	Industrial Features

This data is sourced from Ordnance Survey.

4.2 Current or recent petrol stations

Records within 500m

0

Open, closed, under development and obsolete petrol stations.

This data is sourced from Experian.

4.3 Electricity cables

Records within 500m

0

High voltage underground electricity transmission cables.

This data is sourced from National Grid.

4.4 Gas pipelines

Records within 500m

0

High pressure underground gas transmission pipelines.

This data is sourced from National Grid.

4.5 Sites determined as Contaminated Land

Records within 500m

0

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

This data is sourced from Local Authority records.



4.6 Control of Major Accident Hazards (COMAH)

Records within 500m

0

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

This data is sourced from the Health and Safety Executive.

4.7 Regulated explosive sites

Records within 500m

0

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

This data is sourced from the Health and Safety Executive.

4.8 Hazardous substance storage/usage

Records within 500m

0

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

This data is sourced from Local Authority records.

4.9 Historical licensed industrial activities (IPC)

Records within 500m

3

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

Features are displayed on the Current industrial land use map on **page 42**

ID	Location	Details	
H	355m N	Operator: Scandura Textiles Address: P And S Textiles, Porrit Street, Bury, Lancashire, BL9 6HJ Process: Other Mineral Fibres Permit Number: AU2107	Original Permit Number: IPCAPP Date Approved: 9-7-1996 Effective Date: 16-7-1996 Status: Superseded By Variation
H	355m N	Operator: Scandura Textiles Address: P And S Textiles, Porrit Street, Bury, Lancashire, BL9 6HJ Process: Other Mineral Fibres Permit Number: BD3698	Original Permit Number: IPCMINVAR Date Approved: 24-11-1998 Effective Date: 30-11-1998 Status: Revoked



ID	Location	Details	
11	486m NW	Operator: Bury Cooper Whitehead Ltd Address: Hudcar Mill, Hudcar Lane, Bury, Lancashire, BL9 6HD Process: Coating Processes And Printing Permit Number: AB4311	Original Permit Number: IPCAPP Date Approved: 18-5-1992 Effective Date: 18-5-1992 Status: Surrendered

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

4.10 Licensed industrial activities (Part A(1))

Records within 500m	0
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Records of Part A(1) installations regulated under the Environmental Permitting (England and Wales) Regulations 2016 for the release of substances to the environment.

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

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

Records within 500m	4
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Records of Part A(2) and Part B installations regulated under the Environmental Permitting (England and Wales) Regulations 2016 for the release of substances to the environment.

Features are displayed on the Current industrial land use map on **page 42**

ID	Location	Address	Details	
8	304m W	Moorside Garage, Brook Street, BL9 6AH	Process: Petrol Vapour Recovery Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
H	340m NW	Scandura Textiles, Porritt Street, BL9 6HJ	Process: Other Metal Processes Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
I	376m SW	Cass Of Bury, Manor Street, BL9 7BL	Process: Combustion & Incineration Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
10	484m W	Geldards Dry Cleaners, 60 Walmersley Road, Bury, BL9 6DP	Process: Dry Cleaning 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

3

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

Features are displayed on the Current industrial land use map on **page 42**

ID	Location	Address	Details	
G	258m W	BADGER ST, BURY	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01BRY0015 Permit Version: 1 Receiving Water: BARN BROOK	Status: VARIED UNDER EPR 2010 Issue date: - Effective Date: 01/01/1995 Revocation Date: 02/09/2010
G	258m W	BADGER ST, BURY	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01BRY0015 Permit Version: 2 Receiving Water: BARN BROOK	Status: SURRENDERED UNDER EPR 2010 Issue date: 03/09/2010 Effective Date: 03/09/2010 Revocation Date: 23/03/2015
9	462m N	MORRIS HOMES DEVELOPMENT SWO, SALFORD STREET/FALCON CLOSE, BURY	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: 016990600 Permit Version: 1 Receiving Water: GIPSY BROOK	Status: REVOKED - UNSPECIFIED Issue date: - Effective Date: 16/05/1985 Revocation Date: 01/07/1991

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

4.14 Pollutant release to surface waters (Red List)

Records within 500m

0

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

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



4.15 Pollutant release to public sewer

Records within 500m

0

Discharges of Special Category Effluents to the public sewer.

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

4.16 List 1 Dangerous Substances

Records within 500m

0

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

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

4.17 List 2 Dangerous Substances

Records within 500m

0

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

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

4.18 Pollution Incidents (EA/NRW)

Records within 500m

10

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 42**

ID	Location	Details	
5	210m SE	Incident Date: 09/03/2001 Incident Identification: 143 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Other Atmospheric Pollutant or Effect	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
I	368m SW	Incident Date: 04/09/2002 Incident Identification: 105253 Pollutant: Specific Waste Materials Pollutant Description: Tyres	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)

ID	Location	Details	
I	383m SW	Incident Date: 05/06/2003 Incident Identification: 163681 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)
I	384m SW	Incident Date: 05/06/2003 Incident Identification: 163679 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)
I	384m SW	Incident Date: 09/10/2001 Incident Identification: 35564 Pollutant: Specific Waste Materials Pollutant Description: Tyres	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
I	408m SW	Incident Date: 01/08/2002 Incident Identification: 96983 Pollutant: Specific Waste Materials Pollutant Description: Containers	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
I	441m SW	Incident Date: 14/03/2002 Incident Identification: 63990 Pollutant: Specific Waste Materials Pollutant Description: Commercial Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
J	449m S	Incident Date: 24/05/2001 Incident Identification: 6525 Pollutant: Other Pollutant Pollutant Description: Other	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
J	449m S	Incident Date: 02/07/2001 Incident Identification: 13033 Pollutant: Other Pollutant Pollutant Description: Other	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
J	449m S	Incident Date: 23/05/2001 Incident Identification: 6410 Pollutant: Other Pollutant Pollutant Description: Other	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)

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

4.19 Pollution inventory substances

Records within 500m

0

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

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



4.20 Pollution inventory waste transfers

Records within 500m

0

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

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

4.21 Pollution inventory radioactive waste

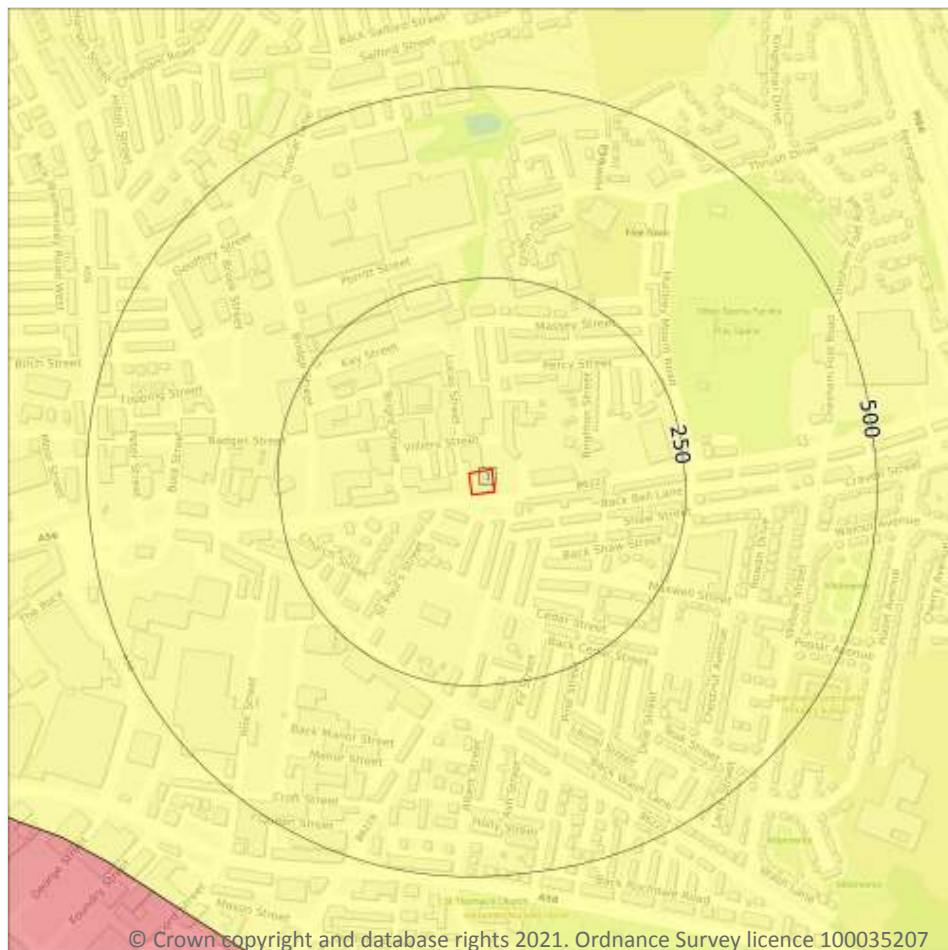
Records within 500m

0

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

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

5 Hydrogeology - Superficial aquifer



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

5.1 Superficial aquifer

Records within 500m

1

Aquifer status of groundwater held within superficial geology.

Features are displayed on the Hydrogeology map on **page 52**

ID	Location	Designation	Description
1	On site	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type

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



Bedrock aquifer



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- 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.

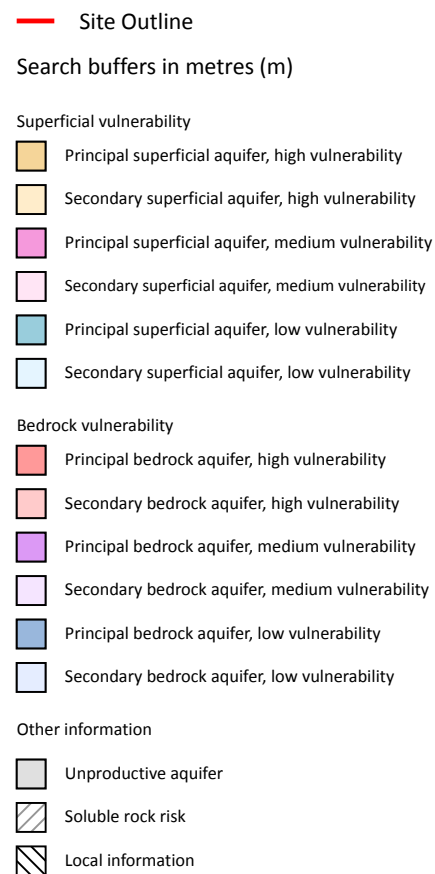
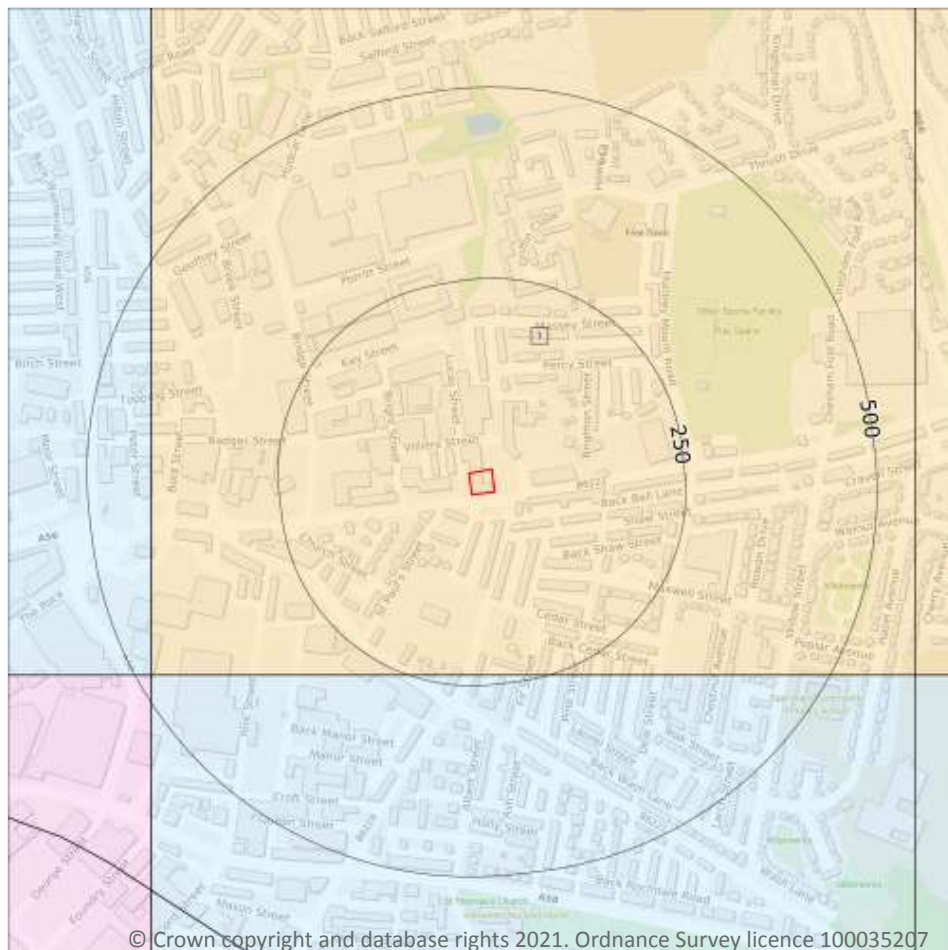
Features are displayed on the Bedrock aquifer map on [page 53](#)

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



5.3 Groundwater vulnerability

Records within 50m

1

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

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

Features are displayed on the Groundwater vulnerability map on **page 54**

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	On site	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: >550mm/year	Vulnerability: High Aquifer type: Secondary Thickness: 3-10m Patchiness value: >90% Recharge potential: Low	Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures

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

5.4 Groundwater vulnerability- soluble rock risk

Records on site

0

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

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

5.5 Groundwater vulnerability- local information

Records on site

0

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

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

Abstractions and Source Protection Zones



- Site Outline
- Search buffers in metres (m)
- Source Protection Zone 1
Inner catchment
- Source Protection Zone 2
Outer catchment
- Source Protection Zone 3
Total catchment
- Source Protection Zone 4
Zone of Special Interest
- Source Protection Zone 1c
Inner catchment - confined aquifer
- Source Protection Zone 2c
Outer catchment - confined aquifer
- Source Protection Zone 3c
Total catchment - confined aquifer
- Drinking water abstraction licences
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

12

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 56**

ID	Location	Details	
-	1265m SE	Status: Historical Licence No: 2569002085 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: "WELL AT WATERFOLD FARM, HEAP BRIDGE, NEAR BURY" Data Type: Point Name: WILKINSON Easting: 382000 Northing: 410100	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 15/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 15/02/1966 Version End Date: -
-	1265m SE	Status: Historical Licence No: 2569002085 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: WELL AT WATERFOLD FARM, HEAP BRIDGE, NEAR BURY Data Type: Point Name: WILKINSON Easting: 382000 Northing: 410100	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 15/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 15/02/1966 Version End Date: -
-	1343m SE	Status: Historical Licence No: 2569002059 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: "WELL AT SPOUT BANK FARM, HEAP BRIDGEBURY, LANCASHIRE" Data Type: Point Name: FISH Easting: 382300 Northing: 410200	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 15/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 15/02/1966 Version End Date: -
-	1343m SE	Status: Historical Licence No: 2569002059 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: WELL AT SPOUT BANK FARM, HEAP BRIDGEBURY, LANCASHIRE Data Type: Point Name: FISH Easting: 382300 Northing: 410200	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 15/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 15/02/1966 Version End Date: -



ID	Location	Details	
-	1579m S	Status: Historical Licence No: 2569002063 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: "WELL AT WATER FARM, HEAP BRIDGE, BURY" Data Type: Point Name: FISH Easting: 381800 Northing: 409700	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 14/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 14/02/1966 Version End Date: -
-	1579m S	Status: Historical Licence No: 2569002063 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: WELL AT WATER FARM, HEAP BRIDGE, BURY Data Type: Point Name: FISH Easting: 381800 Northing: 409700	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 14/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 14/02/1966 Version End Date: -
-	1579m E	Status: Active Licence No: NW/069/0002/010 Details: Process Water Direct Source: Ground Water - North West Region Point: BOREHOLE - NORTHERN MANCHESTER CARBONIFEROUS AQUIFERS Data Type: Point Name: Access Utilities Limited Easting: 382983 Northing: 410861	Annual Volume (m ³): 62,400 Max Daily Volume (m ³): 200 Original Application No: - Original Start Date: 19/09/2018 Expiry Date: 31/03/2027 Issue No: 1 Version Start Date: 19/09/2018 Version End Date: -
-	1666m N	Status: Historical Licence No: 2569001284 Details: General Farming & Domestic Direct Source: Ground Water - North West Region Point: BOREHOLE AT SILLINGHURST FARM BIRTLE BURY Data Type: Point Name: RAYMOND TAYLOR Easting: 382080 Northing: 412810	Annual Volume (m ³): 10950 Max Daily Volume (m ³): 30 Original Application No: - Original Start Date: 30/11/2004 Expiry Date: 31/03/2015 Issue No: 1 Version Start Date: 01/04/2008 Version End Date: -

ID	Location	Details	
-	1757m N	Status: Historical Licence No: 2569001196 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: "SPRING FED COLLECTING TANK AT BIRTLE, BURY" Data Type: Point Name: TAYLOR Easting: 382100 Northing: 412900	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 25/11/1974 Expiry Date: - Issue No: 100 Version Start Date: 25/11/1974 Version End Date: -
-	1757m N	Status: Historical Licence No: 2569001196 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: SPRING FED COLLECTING TANK AT BIRTLE, BURY Data Type: Point Name: TAYLOR Easting: 382100 Northing: 412900	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 25/11/1974 Expiry Date: - Issue No: 100 Version Start Date: 25/11/1974 Version End Date: -
-	1963m N	Status: Historical Licence No: 2569001178 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: "BOREHOLE AT PREMISES, NINEVAH FARM, BURY" Data Type: Point Name: MOORE Easting: 381800 Northing: 413200	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 14/01/1969 Expiry Date: - Issue No: 100 Version Start Date: 14/01/1969 Version End Date: -
-	1963m N	Status: Historical Licence No: 2569001178 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: BOREHOLE AT PREMISES, NINEVAH FARM, BURY Data Type: Point Name: MOORE Easting: 381800 Northing: 413200	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 14/01/1969 Expiry Date: - Issue No: 100 Version Start Date: 14/01/1969 Version End Date: -

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



5.7 Surface water abstractions

Records within 2000m

10

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

Features are displayed on the Abstractions and Source Protection Zones map on **page 56**

ID	Location	Details	
-	1077m N	Status: Historical Licence No: 2569001289 Details: Lake & Pond Throughflow Direct Source: Surface, Non-Tidal - North West Region Point: TRIBUTARY OF THE RIVER IRWELL, AT CLARENCE PARK LIDO Data Type: Point Name: BURY METROPOLITAN BOROUGH COUNCIL Easting: 381211 Northing: 412322	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 22/12/2008 Expiry Date: 31/03/2015 Issue No: 1 Version Start Date: 22/12/2008 Version End Date: -
-	1077m N	Status: Active Licence No: 2569001289R01 Details: Lake & Pond Throughflow Direct Source: Surface, Non-Tidal - North West Region Point: TRIBUTARY OF THE RIVER IRWELL, AT CLARENCE PARK LIDO Data Type: Point Name: BURY METROPOLITAN BOROUGH COUNCIL Easting: 381211 Northing: 412322	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 01/04/2015 Expiry Date: 31/03/2027 Issue No: 1 Version Start Date: 01/04/2015 Version End Date: -
-	1228m SE	Status: Active Licence No: NW/069/0002/002 Details: Hydroelectric Power Generation Direct Source: Surface, Non-Tidal - North West Region Point: RIVER ROCH AT HEAP BRIDGE WEIR Data Type: Point Name: Brother Investments Ltd Easting: 382536 Northing: 410666	Annual Volume (m ³): 76,032,000 Max Daily Volume (m ³): 345,600 Original Application No: - Original Start Date: 17/09/2010 Expiry Date: 31/03/2026 Issue No: 2 Version Start Date: 18/09/2015 Version End Date: -
-	1409m W	Status: Historical Licence No: NW/069/0001/007 Details: Hydroelectric Power Generation Direct Source: Surface, Non-Tidal - North West Region Point: RIVER IRWELL AT CHAMBER HALL WEIR Data Type: Point Name: Bury Council Easting: 380014 Northing: 411406	Annual Volume (m ³): 90,000,000 Max Daily Volume (m ³): 340,416 Original Application No: - Original Start Date: 10/06/2016 Expiry Date: 31/03/2027 Issue No: 1 Version Start Date: 10/06/2016 Version End Date: -



ID	Location	Details	
-	1796m W	Status: Historical Licence No: 2569001285 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: Surface, Non-Tidal - North West Region Point: RIVER IRWELL AT RMC NORTHERNT BURY CANAL WHARF Data Type: Point Name: CEMEX UK MATERIALS LTD Easting: 379706 Northing: 410696	Annual Volume (m ³): 5500 Max Daily Volume (m ³): 21 Original Application No: - Original Start Date: 23/03/2005 Expiry Date: 31/03/2015 Issue No: 2 Version Start Date: 01/04/2008 Version End Date: -
-	1796m W	Status: Active Licence No: 2569001285R01 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: Surface, Non-Tidal - North West Region Point: RIVER IRWELL AT RMC NORTHERNT BURY CANAL WHARF Data Type: Point Name: CEMEX UK MATERIALS LTD Easting: 379706 Northing: 410696	Annual Volume (m ³): 5,500 Max Daily Volume (m ³): 21 Original Application No: - Original Start Date: 01/04/2015 Expiry Date: 31/03/2027 Issue No: 2 Version Start Date: 21/12/2018 Version End Date: -
-	1930m W	Status: Historical Licence No: 2569001170 Details: Process water Direct Source: Surface, Non-Tidal - North West Region Point: KIRKLEES BRK AT WOOLFOLD, BURY93 Data Type: Line Name: ACTIVECRAFT LTD PAPERMAKERS Easting: 378700 Northing: 412500	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 23/03/1966 Expiry Date: - Issue No: 100 Version Start Date: 16/06/1995 Version End Date: -
-	1930m W	Status: Historical Licence No: 2569001170 Details: Process water Direct Source: "Surface, Non-Tidal - North West Region" Point: "KIRKLEES BRK AT WOOLFOLD, BURY \$93" Data Type: Line Name: ACTIVECRAFT LTD PAPERMAKERS Easting: 378700 Northing: 412500	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 23/03/1966 Expiry Date: - Issue No: 100 Version Start Date: 16/06/1995 Version End Date: -



ID	Location	Details	
-	1930m W	Status: Historical Licence No: 2569001170 Details: Process water Direct Source: Surface, Non-Tidal - North West Region Point: KIRKLEES BRK AT WOOLFOLD, BURY \$93 Data Type: Line Name: ACTIVECRAFT LTD PAPERMAKERS Easting: 378700 Northing: 412500	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 23/03/1966 Expiry Date: - Issue No: 100 Version Start Date: 16/06/1995 Version End Date: -
-	1930m W	Status: Historical Licence No: 2569001170 Details: Process Water Direct Source: Surface, Non-Tidal - North West Region Point: KIRKLEES BRK AT WOOLFOLD, BURY Data Type: Line Name: ACTIVECRAFT LTD PAPERMAKERS Easting: 378700 Northing: 412500	Annual Volume (m ³): 850102 Max Daily Volume (m ³): 3182.2 Original Application No: - Original Start Date: 23/03/1966 Expiry Date: - Issue No: 100 Version Start Date: 16/06/1995 Version End Date: -

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

5.8 Potable abstractions

Records within 2000m	0
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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



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- 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

2

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 63**

ID	Location	Type of water feature	Ground level	Permanence	Name
3	249m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Barn Brook



ID	Location	Type of water feature	Ground level	Permanence	Name
A	249m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Barn Brook

This data is sourced from the Ordnance Survey.

6.2 Surface water features

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

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

This data is sourced from the Ordnance Survey.

6.3 WFD Surface water body catchments

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

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

Features are displayed on the Hydrology map on **page 63**

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
2	On site	River WB catchment	Roch (Spodden to Irwell)	GB112069064600	Roch Irk Medlock	Irwell

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

6.4 WFD Surface water bodies

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

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

Features are displayed on the Hydrology map on **page 63**

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
-	738m SE	River	Roch (Spodden to Irwell)	<u>GB112069064600</u>	Moderate	Good	Moderate	2016

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

6.5 WFD Groundwater bodies

Records on site

1

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

Features are displayed on the Hydrology map on **page 63**

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
1	On site	Northern Manchester Carboniferous Aquifers	<u>GB41202G101800</u>	Poor	Poor	Good	2015

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



7 River and coastal flooding

7.1 Risk of Flooding from Rivers and Sea (RoFRaS)

Records within 50m

0

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

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

7.2 Historical Flood Events

Records within 250m

0

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

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

7.3 Flood Defences

Records within 250m

0

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

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

7.4 Areas Benefiting from Flood Defences

Records within 250m

0

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

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



7.5 Flood Storage Areas

Records within 250m

0

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

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



River and coastal flooding - Flood Zones

7.6 Flood Zone 2

Records within 50m

0

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

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

7.7 Flood Zone 3

Records within 50m

0

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

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



8 Surface water flooding

8.1 Surface water flooding

Highest risk on site

Negligible

Highest risk within 50m

Negligible

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.

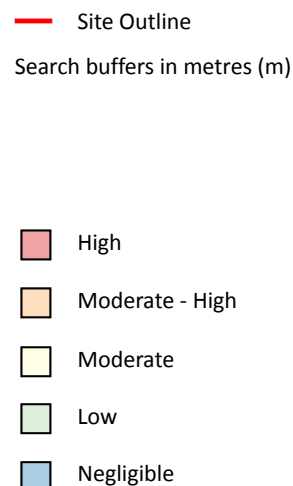
The data shown on the map and in the table above shows the highest likelihood of flood events happening at the site. Lower likelihood events may have greater flood depths and hence a greater potential impact on a site. The table below shows the maximum flood depths for a range of return periods for the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

Return period	Maximum modelled depth
1 in 1000 year	Negligible
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



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 70**

This data is sourced from Ambiental Risk Analytics.

10 Environmental designations



- Site Outline
- Search buffers in metres (m)
- + Local Nature Reserves (LNR)
- / Green Belt

10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m

0

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

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

10.2 Conserved wetland sites (Ramsar sites)

Records within 2000m**0**

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

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

10.3 Special Areas of Conservation (SAC)

Records within 2000m**0**

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

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

10.4 Special Protection Areas (SPA)

Records within 2000m**0**

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

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

10.5 National Nature Reserves (NNR)

Records within 2000m**0**

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

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



10.6 Local Nature Reserves (LNR)

Records within 2000m

1

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

Features are displayed on the Environmental designations map on **page 71**

ID	Location	Name	Data source
1	557m NE	Chesham Woods	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

6

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

Features are displayed on the Environmental designations map on **page 71**

ID	Location	Name	Local Authority name
2	730m N	Merseyside and Greater Manchester	Bury
3	893m E	Merseyside and Greater Manchester	Bury
4	1007m SE	Merseyside and Greater Manchester	Bury
5	1027m SE	Merseyside and Greater Manchester	Rochdale
-	1699m SE	Merseyside and Greater Manchester	Bury
-	1988m N	Merseyside and Greater Manchester	Rossendale

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

10.12 Proposed Ramsar sites

Records within 2000m

0

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

This data is sourced from Natural England.

10.13 Possible Special Areas of Conservation (pSAC)

Records within 2000m

0

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



having been identified for potential adoption under the framework.

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

10.14 Potential Special Protection Areas (pSPA)

Records within 2000m

0

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

This data is sourced from Natural England.

10.15 Nitrate Sensitive Areas

Records within 2000m

0

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

This data is sourced from Natural England.

10.16 Nitrate Vulnerable Zones

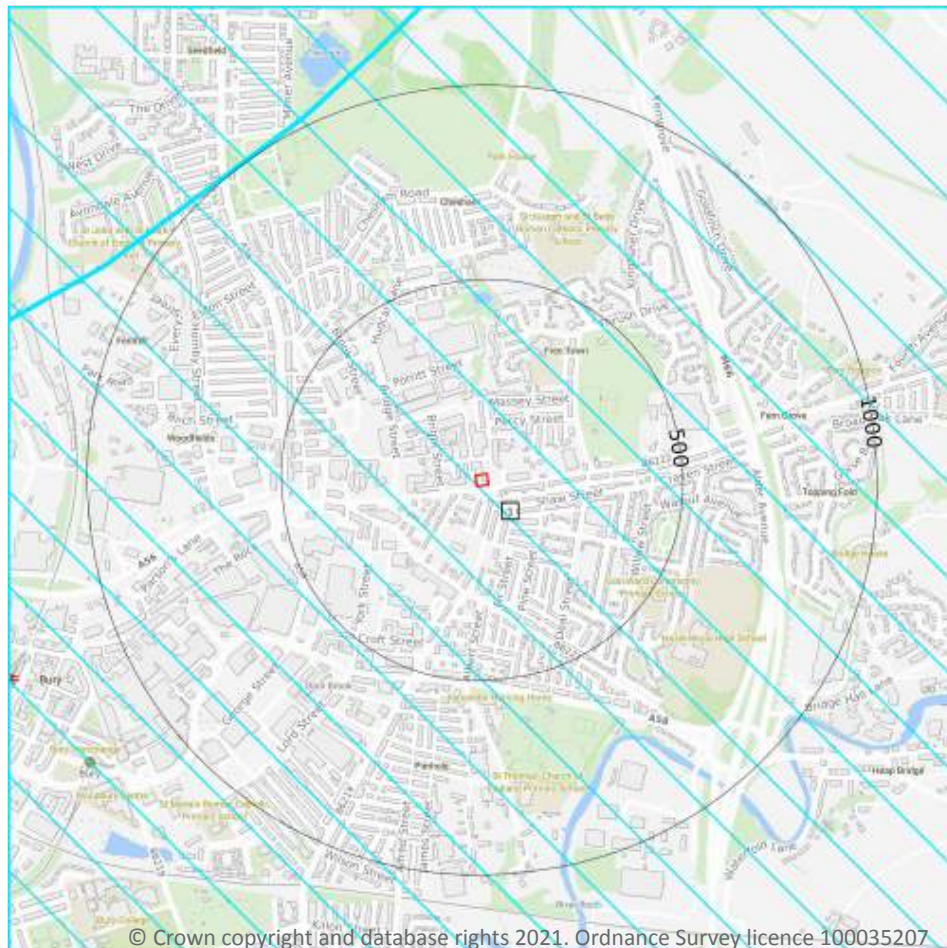
Records within 2000m

0

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

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

SSSI Impact Zones and Units



- 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 76**

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



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

11.1 World Heritage Sites

Records within 250m

0

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

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

11.2 Area of Outstanding Natural Beauty

Records within 250m

0

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

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

11.3 National Parks

Records within 250m

0

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

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

11.4 Listed Buildings

Records within 250m

3

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

Features are displayed on the Visual and cultural designations map on **page 78**

ID	Location	Name	Grade	Reference Number	Listed date
1	110m NE	Lower Chesham, Moorside, Bury, BL9	II*	1067281	26/05/1976
2	163m S	Saint Paul's Church, East, Bury, BL9	II	1163874	29/01/1985
3	184m S	St Paul's Vicarage, East, Bury, BL9	II	1163719	29/01/1985

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

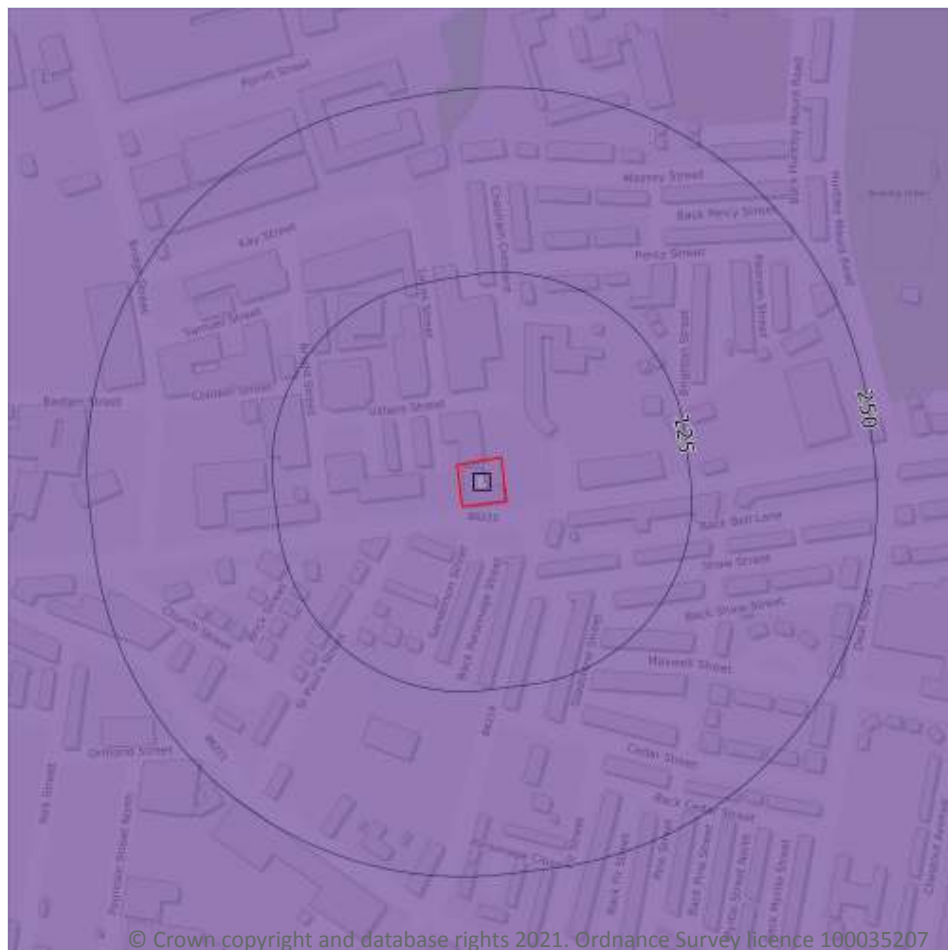
0

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 81**

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

13.1 Priority Habitat Inventory

Records within 250m**0**

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

This data is sourced from Natural England.

13.2 Habitat Networks

Records within 250m**0**

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

This data is sourced from Natural England.

13.3 Open Mosaic Habitat

Records within 250m**0**

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

This data is sourced from Natural England.

13.4 Limestone Pavement Orders

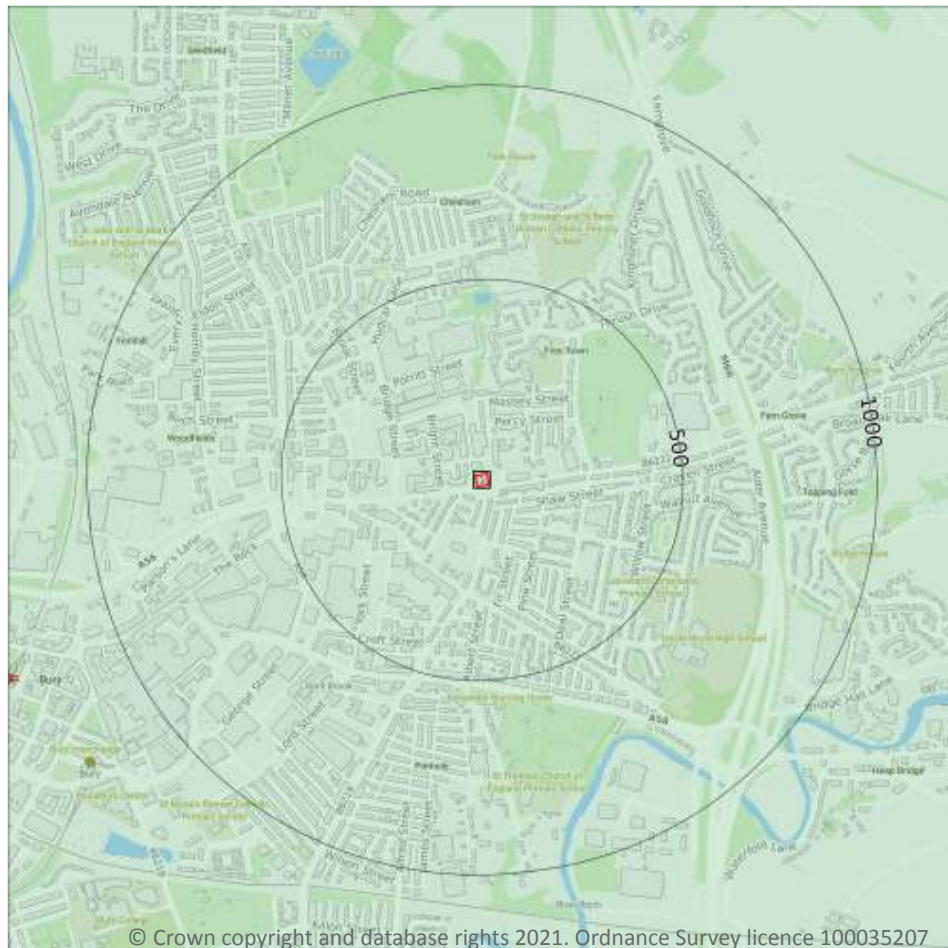
Records within 250m**0**

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

This data is sourced from Natural England.



14 Geology 1:10,000 scale - Availability



- Site Outline
- Search buffers in metres (m)
- Full coverage
 - Partial coverage
 - No coverage

14.1 10k Availability

Records within 500m

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.

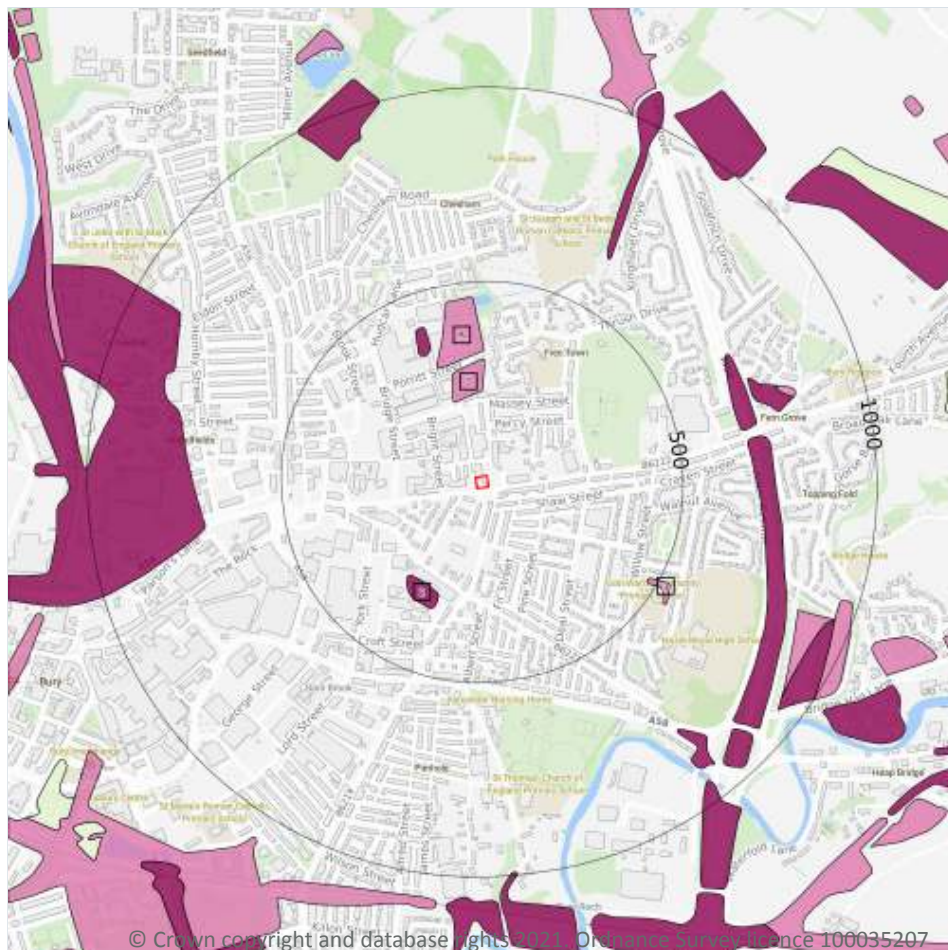
Features are displayed on the Geology 1:10,000 scale - Availability map on **page 84**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	Full	SD81SW

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

5

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 85**

ID	Location	LEX Code	Description	Rock description
1	201m N	WGR-VOID	Worked Ground (Undivided)	Void
2	276m SW	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
A	296m N	WGR-VOID	Worked Ground (Undivided)	Void
A	339m N	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit

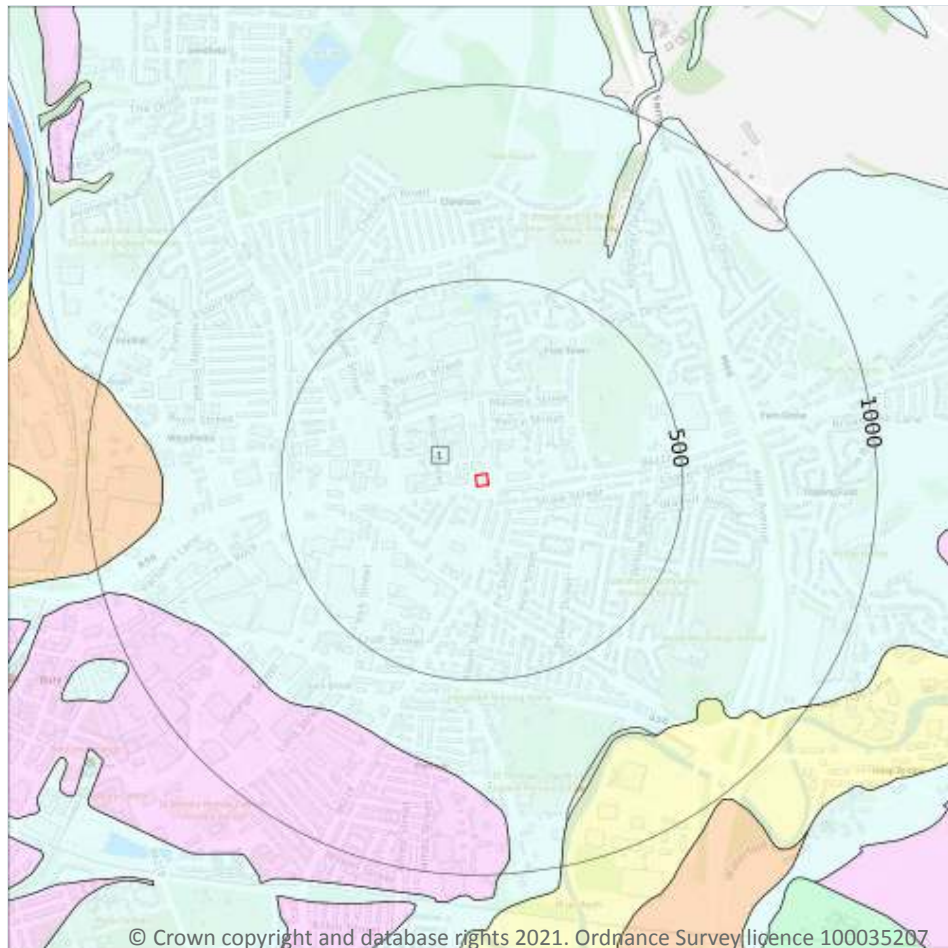


ID	Location	LEX Code	Description	Rock description
3	474m SE	WGR-VOID	Worked Ground (Undivided)	Void

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

1

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 87**

ID	Location	LEX Code	Description	Rock description
1	On site	TILLD-DMTN	Till, Devensian - Diamicton	Diamicton

This data is sourced from the British Geological Survey.



14.4 Landslip (10k)

Records within 500m

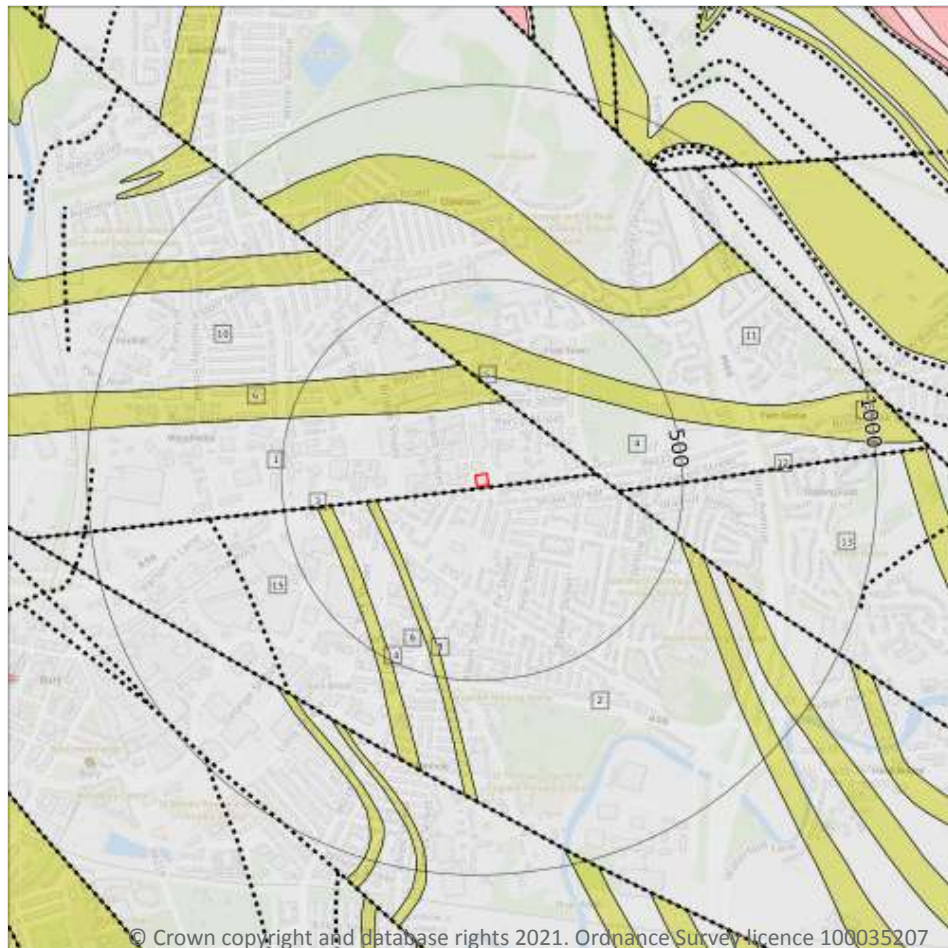
0

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

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Bedrock



— Site Outline

Search buffers in metres (m)

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

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

14.5 Bedrock geology (10k)

Records within 500m

12

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 89**

ID	Location	LEX Code	Description	Rock age
1	On site	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age
2	6m S	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age



ID	Location	LEX Code	Description	Rock age
4	177m NE	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age
6	180m N	PLCM-SDST	Pennine Lower Coal Measures Formation - Sandstone	Langsettian Sub-age
7	247m N	PLCM-SDST	Pennine Lower Coal Measures Formation - Sandstone	Langsettian Sub-age
8	250m SW	OL-SDST	Old Lawrence Rock - Sandstone	Langsettian Sub-age
9	274m SW	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age
10	287m N	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age
11	330m N	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age
13	335m E	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age
14	362m SW	OL-SDST	Old Lawrence Rock - Sandstone	Langsettian Sub-age
15	397m SW	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age

This data is sourced from the British Geological Survey.

14.6 Bedrock faults and other linear features (10k)

Records within 500m

3

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.

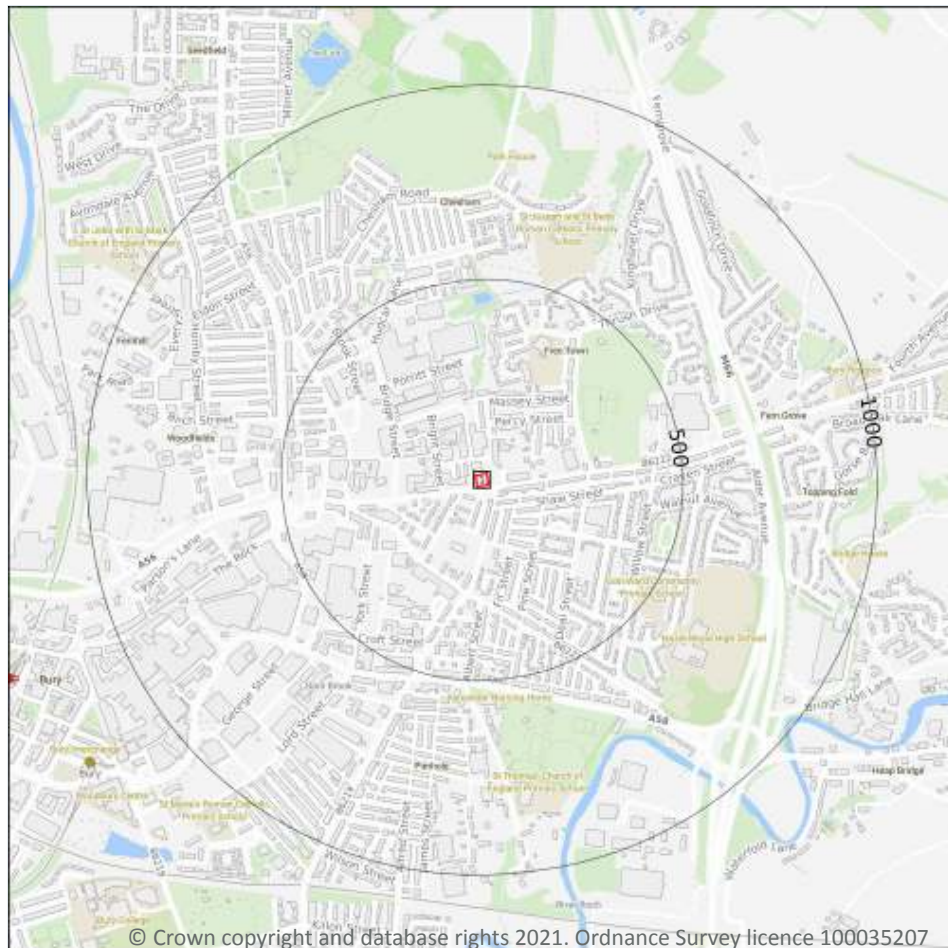
Features are displayed on the Geology 1:10,000 scale - Bedrock map on **page 89**

ID	Location	Category	Description
3	6m S	FAULT	Normal fault, inferred; crossmarks on downthrow side
5	177m NE	FAULT	Normal fault, inferred; crossmarks on downthrow side
12	335m E	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 91**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	No coverage	Full	Full	No coverage	EW085_manchester_v4

This data is sourced from the British Geological Survey.



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

15.2 Artificial and made ground (50k)

Records within 500m

0

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.

This data is sourced from the British Geological Survey.

15.3 Artificial ground permeability (50k)

Records within 50m

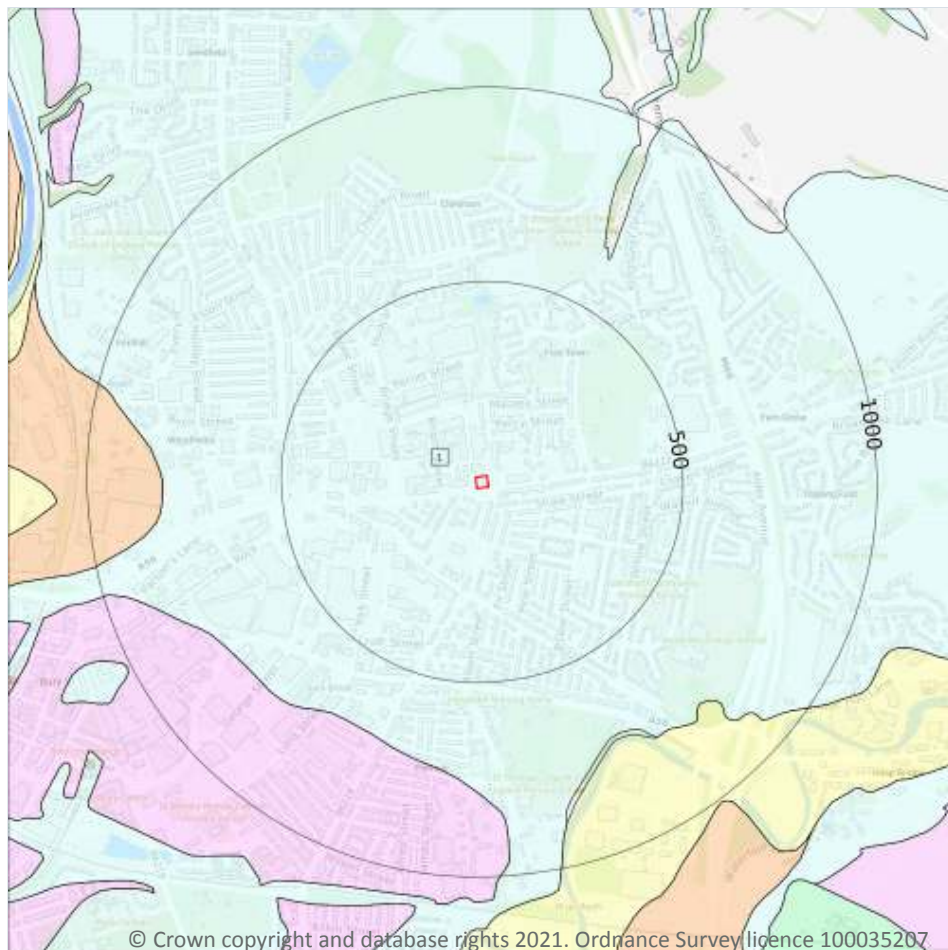
0

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

This data is sourced from the British Geological Survey.



Geology 1:50,000 scale - Superficial



Site Outline

Search buffers in metres (m)

Landslip (50k)

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

15.4 Superficial geology (50k)

Records within 500m

1

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 93**

ID	Location	LEX Code	Description	Rock description
1	On site	TILLD-DMTN	TILL, DEVANSIAN	DIAMICTON

This data is sourced from the British Geological Survey.



15.5 Superficial permeability (50k)

Records within 50m**1**

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

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

This data is sourced from the British Geological Survey.

15.6 Landslip (50k)

Records within 500m**0**

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

This data is sourced from the British Geological Survey.

15.7 Landslip permeability (50k)

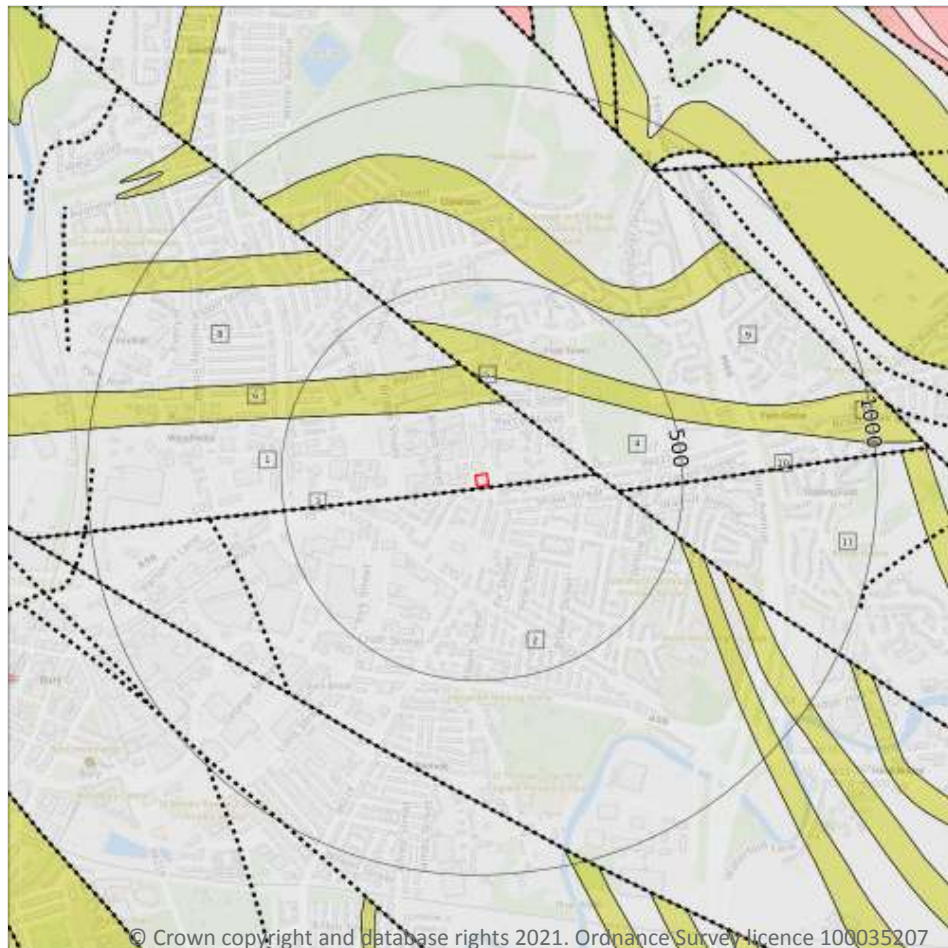
Records within 50m**0**

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

This data is sourced from the British Geological Survey.



Geology 1:50,000 scale - Bedrock



— Site Outline

Search buffers in metres (m)

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

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

15.8 Bedrock geology (50k)

Records within 500m

8

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 95**

ID	Location	LEX Code	Description	Rock age
1	On site	PLCM-MDSS	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
2	6m S	PLCM-MDSS	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN

ID	Location	LEX Code	Description	Rock age
4	177m NE	PLCM-MDSS	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
6	180m N	PLCM-SDST	PENNINE LOWER COAL MEASURES FORMATION - SANDSTONE	WESTPHALIAN
7	247m N	PLCM-SDST	PENNINE LOWER COAL MEASURES FORMATION - SANDSTONE	WESTPHALIAN
8	286m N	PLCM-MDSS	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
9	331m N	PLCM-MDSS	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
11	335m E	PLCM-MDSS	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN

This data is sourced from the British Geological Survey.

15.9 Bedrock permeability (50k)

Records within 50m

1

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

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

This data is sourced from the British Geological Survey.

15.10 Bedrock faults and other linear features (50k)

Records within 500m

3

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 95**

ID	Location	Category	Description
3	6m S	FAULT	Fault, inferred
5	177m NE	FAULT	Fault, inferred



ID	Location	Category	Description
10	335m E	FAULT	Fault, inferred

This data is sourced from the British Geological Survey.



16 Boreholes



— Site Outline
Search buffers in metres (m)

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

16.1 BGS Boreholes

Records within 250m

20

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 98**

ID	Location	Grid reference	Name	Length	Confidential	Web link
1	99m W	381320 411290	GIN HALL SERVICE RESERVOIR BH3	5.0	N	30660
2	122m NW	381330 411350	FELT HAT WORKS BRIGHT ST OFF BELL LANE	56.69	N	30326
3	156m W	381260 411260	GIN HALL SERVICE RESERVOIR BH4	5.0	N	30661

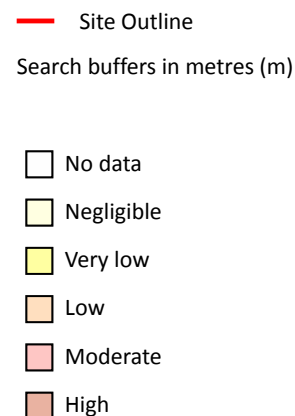
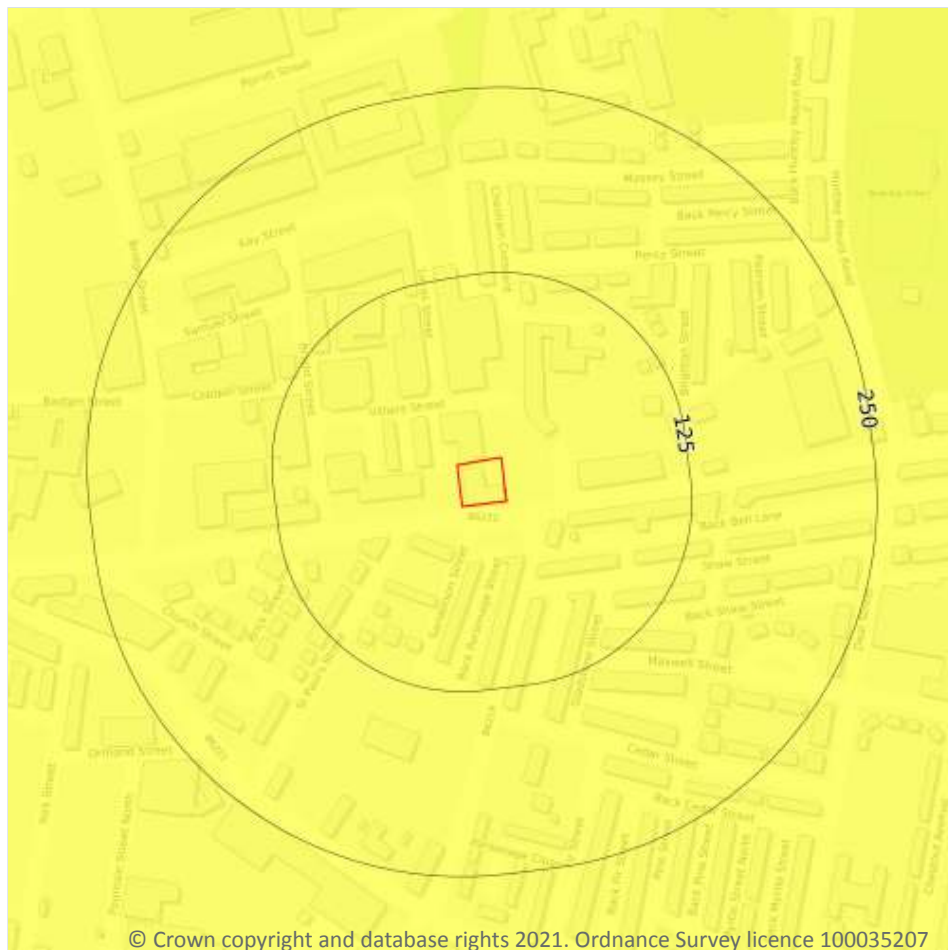


ID	Location	Grid reference	Name	Length	Confidential	Web link
A	181m SW	381305 411096	WASH LANE BURY TP 7	0.5	N	15932771
A	182m SW	381297 411102	WASH LANE BURY TP 6	3.3	N	15932770
A	189m SW	381279 411109	WASH LANE BURY 2	10.0	N	15932756
B	198m SW	381256 411124	WASH LANE BURY TP 3	3.3	N	15932767
C	207m SW	381286 411078	WASH LANE BURY 3	10.0	N	15932757
B	208m SW	381245 411123	WASH LANE BURY 1	10.0	N	15932753
B	209m SW	381233 411141	WASH LANE BURY TP 1	2.8	N	15932761
C	220m SW	381279 411067	WASH LANE BURY TP 8	4.4	N	15932772
B	221m SW	381246 411099	WASH LANE BURY TP 4	2.8	N	15932768
C	225m SW	381261 411077	WASH LANE BURY TP 5	3.5	N	15932769
B	229m SW	381218 411128	WASH LANE BURY TP 2	2.8	N	15932762
D	236m W	381193 411342	BRIDGE ST. DEPOT, BURY, GREATER MANCHESTER 2	7.0	N	18539005
4	242m E	381670 411360	BENSONS CONFEC. WORKS, CHESHAM NEW ROAD	57.9	N	30414
E	243m W	381179 411319	BRIDGE ST. DEPOT, BURY, GREATER MANCHESTER 4	8.0	N	18539007
E	244m W	381178 411316	JEWSONS BURY TP6	1.3	N	20092487
5	244m E	381690 411200	GIN HALL SERVICE RESERVOIR BH2	5.2	N	30659
D	250m NW	381188 411366	JEWSONS BURY TP7	1.5	N	20092488

This data is sourced from the British Geological Survey.



17 Natural ground subsidence - Shrink swell clays



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17.1 Shrink swell clays

Records within 50m

1

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

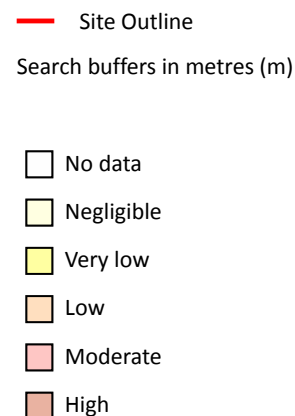
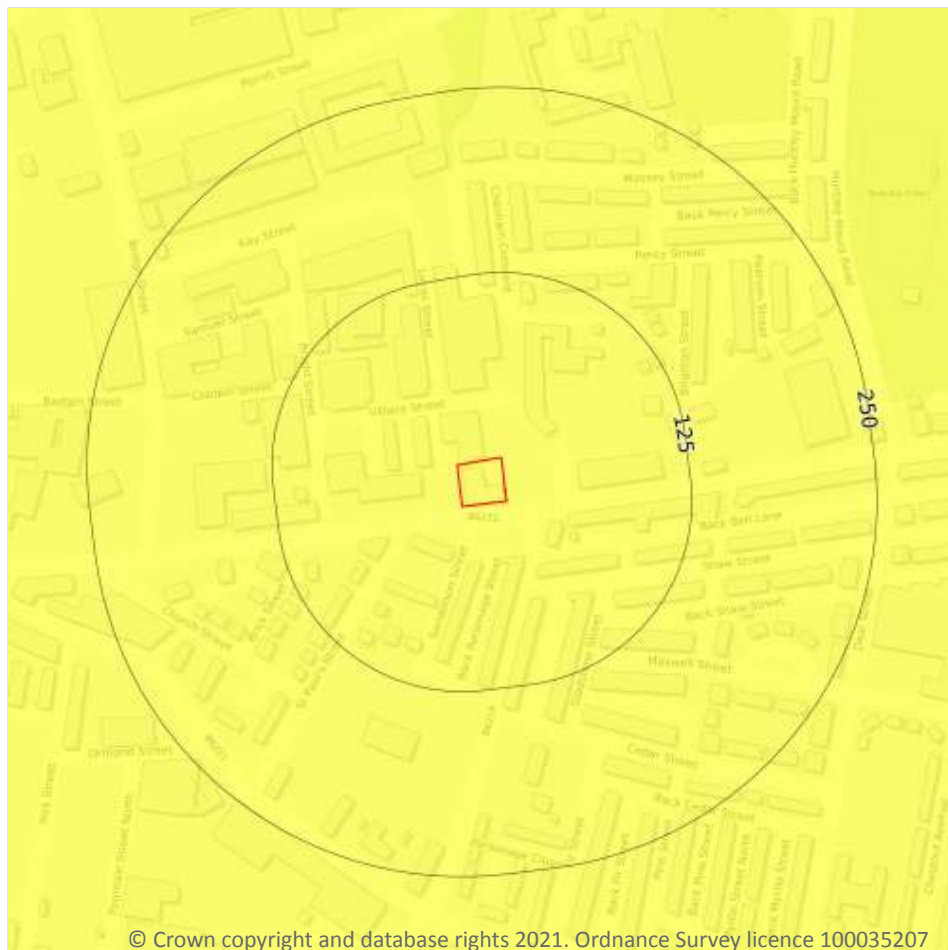
Features are displayed on the Natural ground subsidence - Shrink swell clays map on **page 100**

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

This data is sourced from the British Geological Survey.



Natural ground subsidence - Running sands



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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.

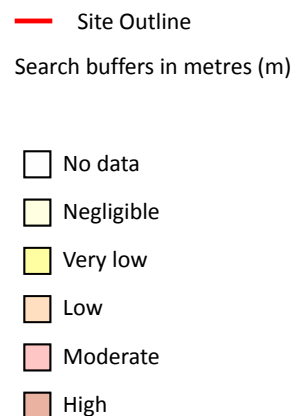
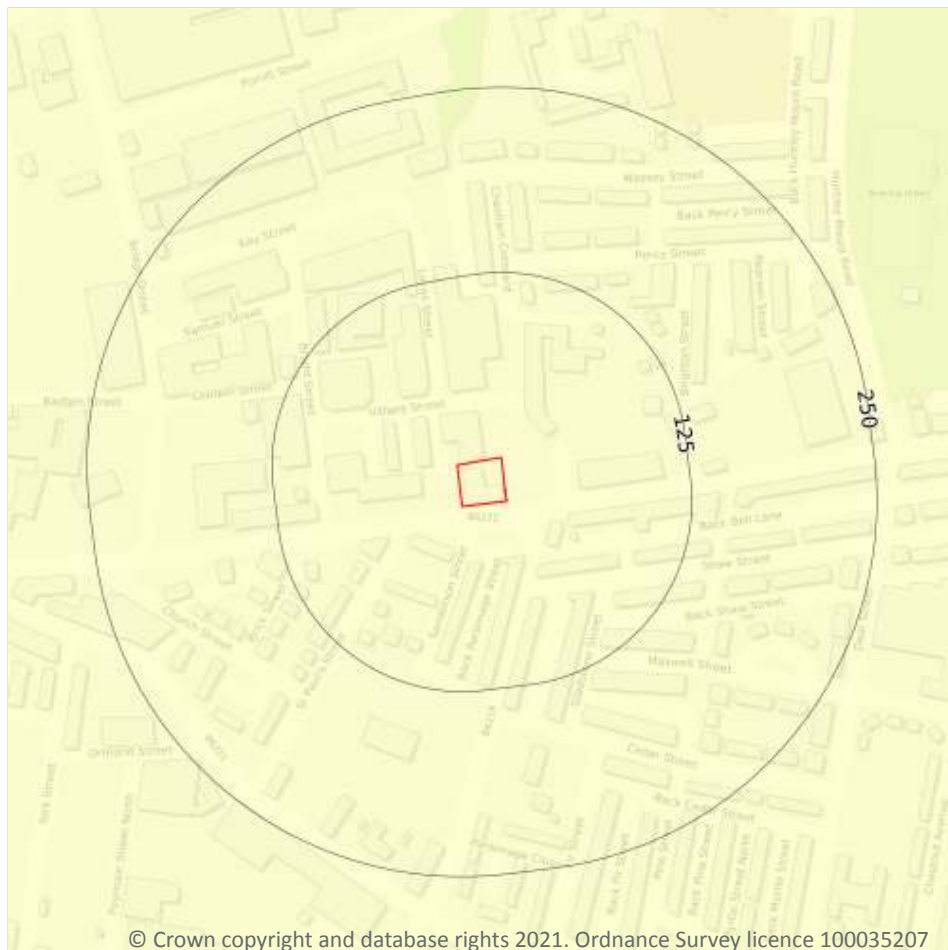
Features are displayed on the Natural ground subsidence - Running sands map on **page 101**

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



17.3 Compressible deposits

Records within 50m

1

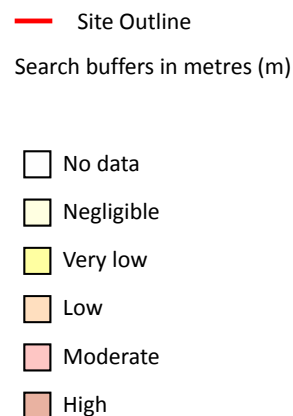
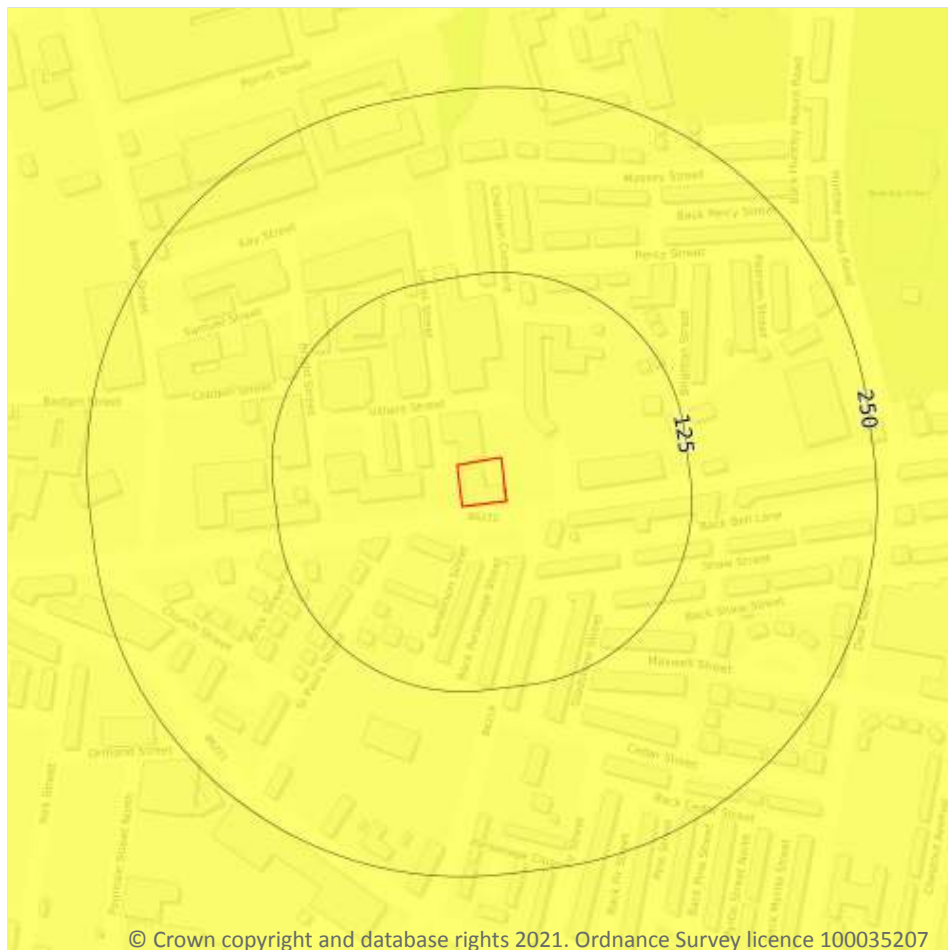
The potential hazard presented by types of ground that may contain layers of very soft materials like clay or peat and may compress if loaded by overlying structures, or if the groundwater level changes, potentially resulting in depression of the ground and disturbance of foundations.

Features are displayed on the Natural ground subsidence - Compressible deposits map on **page 102**

Location	Hazard rating	Details
On site	Negligible	Compressible strata are not thought to occur.

This data is sourced from the British Geological Survey.

Natural ground subsidence - Collapsible deposits



17.4 Collapsible deposits

Records within 50m

1

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

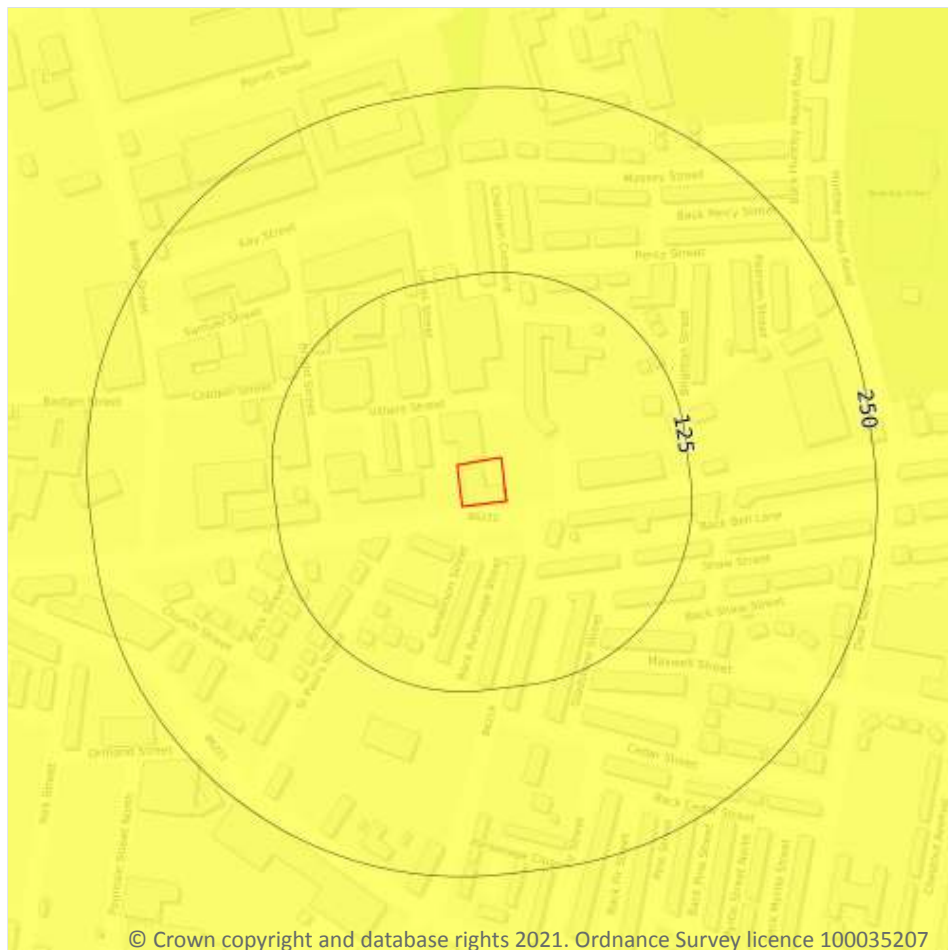
Features are displayed on the Natural ground subsidence - Collapsible deposits map on **page 103**

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

This data is sourced from the British Geological Survey.



Natural ground subsidence - Landslides



— Site Outline
Search buffers in metres (m)

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

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17.5 Landslides

Records within 50m

1

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

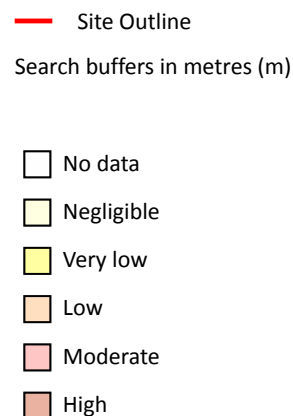
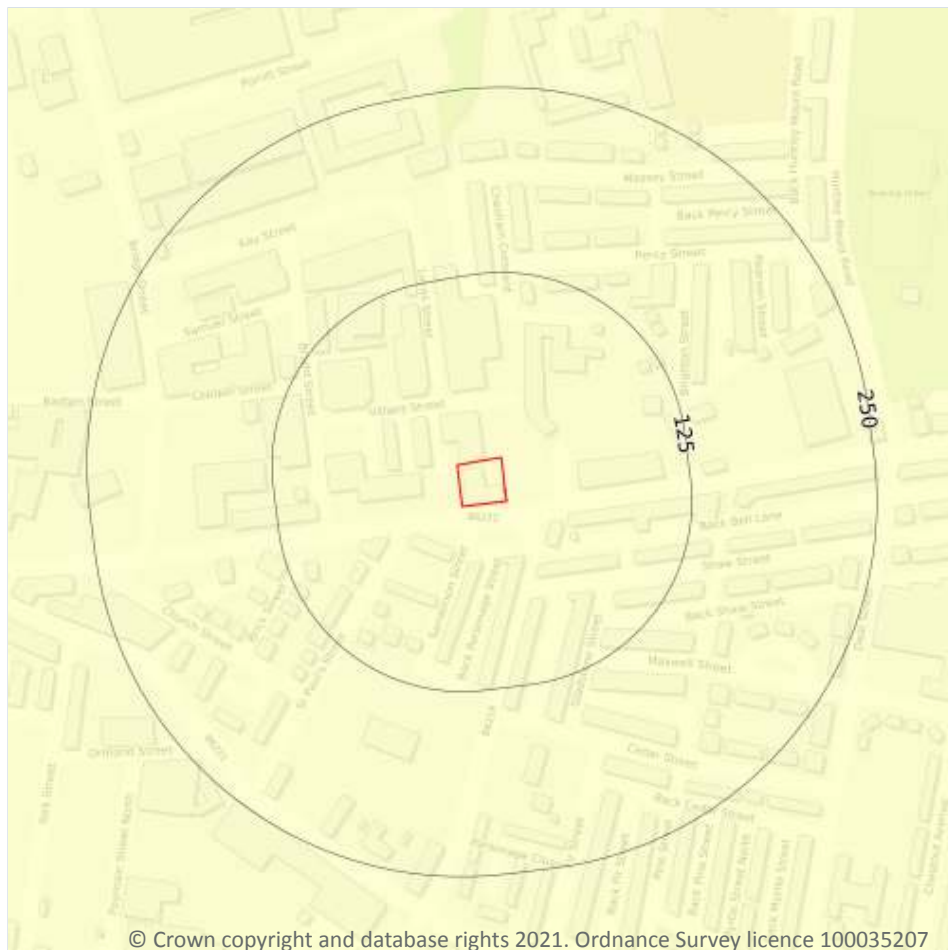
Features are displayed on the Natural ground subsidence - Landslides map on **page 104**

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

This data is sourced from the British Geological Survey.



Natural ground subsidence - Ground dissolution of soluble rocks



17.6 Ground dissolution of soluble rocks

Records within 50m

1

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

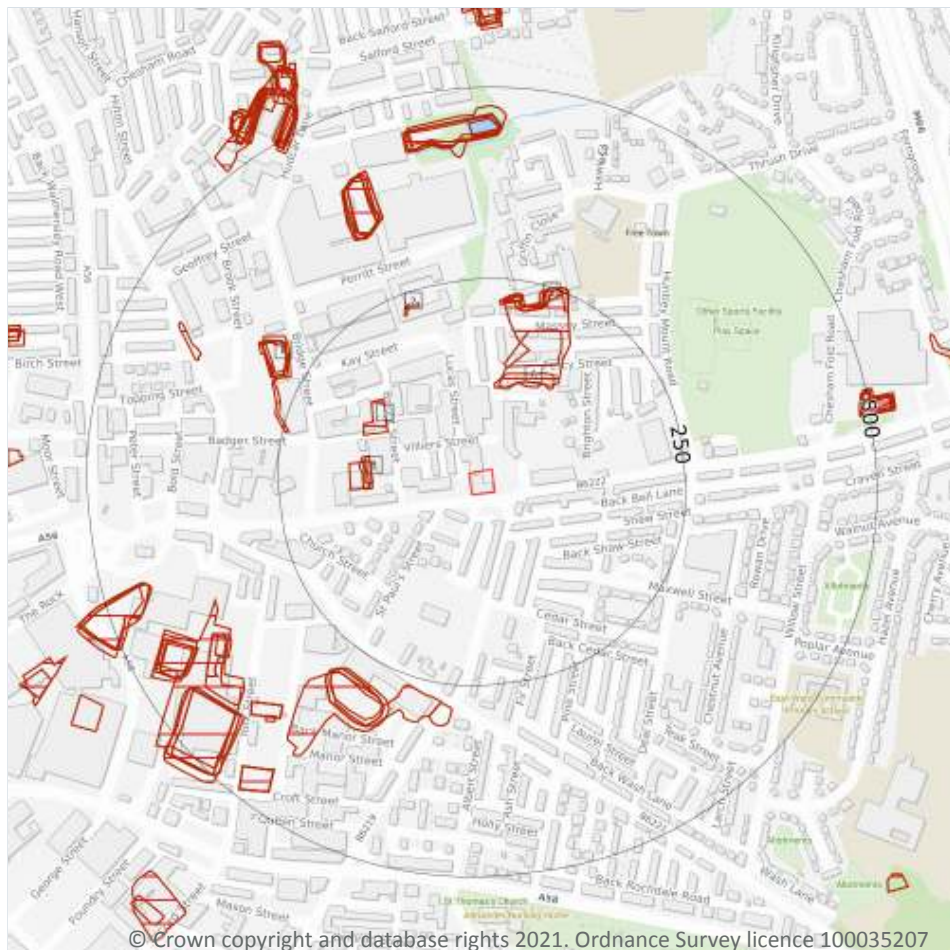
Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on **page 105**

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

This data is sourced from the British Geological Survey.



18 Mining, ground workings and natural cavities



- 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

0

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

This data is sourced from the British Geological Survey.

18.3 Surface ground workings

Records within 250m

13

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

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

ID	Location	Land Use	Year of mapping	Mapping scale
A	107m N	Unspecified Pit	1908	1:10560
A	108m N	Unspecified Pit	1891	1:10560
1	120m NW	Pond	1891	1:10560
B	126m W	Ponds	1956	1:10560
B	128m W	Ponds	1891	1:10560
B	132m W	Pond	1938	1:10560
A	136m N	Unspecified Pit	1908	1:10560
C	211m N	Unspecified Ground Workings	1928	1:10560
C	211m N	Unspecified Ground Workings	1908	1:10560
C	218m N	Unspecified Pit	1938	1:10560
2	222m N	Unspecified Ground Workings	1851	1:10560
C	225m N	Unspecified Pit	1938	1:10560
D	242m W	Ponds	1891	1:10560

This data is sourced from Ordnance Survey/Groundsure.



18.4 Underground workings

Records within 1000m

0

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

This 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

0

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).

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

0

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

This data is sourced from Johnson Poole and Bloomer.



18.9 Coal mining

Records on site	1
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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

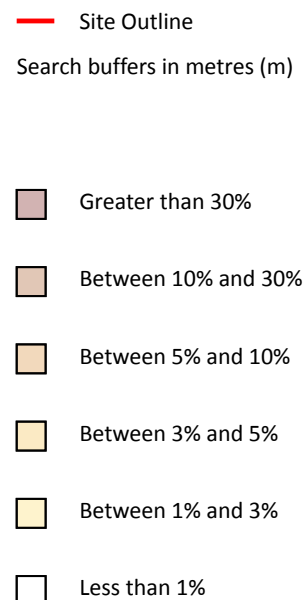
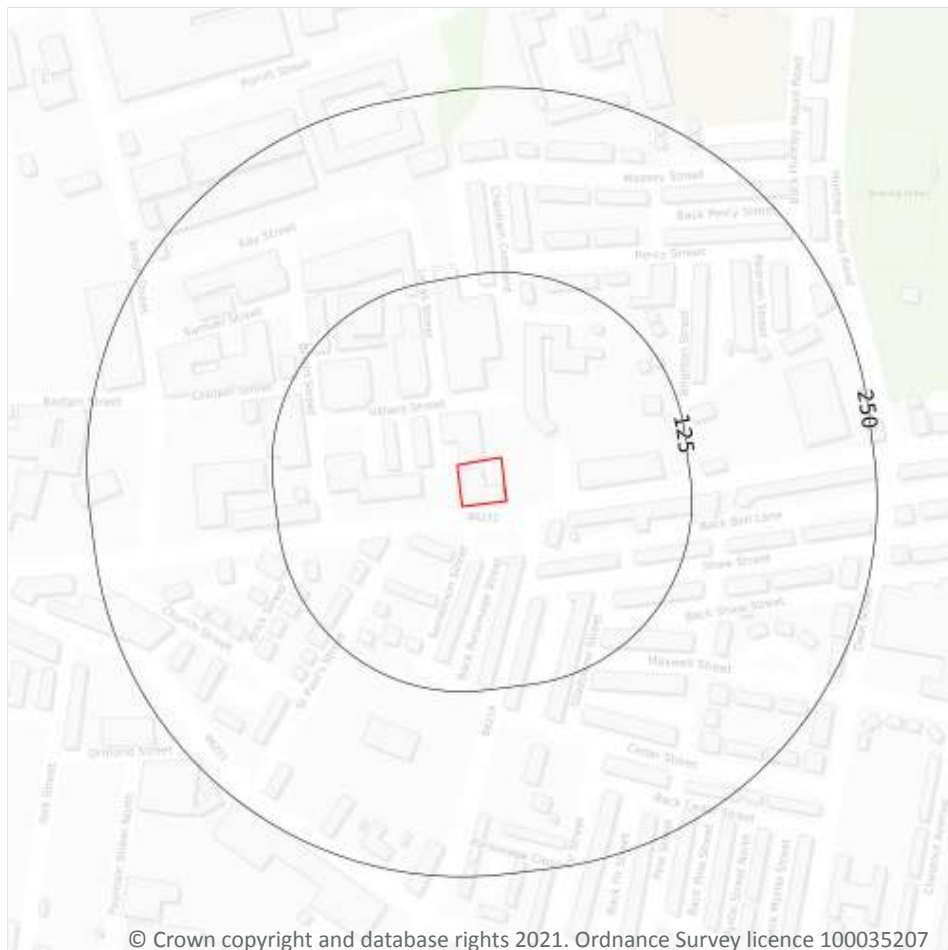
Records on site	0
-----------------	---

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



19.1 Radon

Records on site

1

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

Features are displayed on the Radon map on **page 111**

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

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



20 Soil chemistry

20.1 BGS Estimated Background Soil Chemistry

Records within 50m**1**

The estimated values provide the likely background concentration of the potentially harmful elements Arsenic, Cadmium, Chromium, Lead and Nickel in topsoil. The values are estimated primarily from rural topsoil data collected at a sample density of approximately 1 per 2 km². In areas where rural soil samples are not available, estimation is based on stream sediment data collected from small streams at a sampling density of 1 per 2.5 km²; this is the case for most of Scotland, Wales and southern England. The stream sediment data are converted to soil-equivalent concentrations prior to the estimation.

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg

This data is sourced from the British Geological Survey.

20.2 BGS Estimated Urban Soil Chemistry

Records within 50m**0**

Estimated topsoil chemistry of Arsenic, Cadmium, Chromium, Copper, Nickel, Lead, Tin and Zinc and bioaccessible Arsenic and Lead in 23 urban centres across Great Britain. These estimates are derived from interpolation of the measured urban topsoil data referred to above and provide information across each city between the measured sample locations (4 per km²).

This data is sourced from the British Geological Survey.

20.3 BGS Measured Urban Soil Chemistry

Records within 50m**0**

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

This data is sourced from the British Geological Survey.



21 Railway infrastructure and projects

21.1 Underground railways (London)

Records within 250m**0**

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

This data is sourced from publicly available information by Groundsure.

21.2 Underground railways (Non-London)

Records within 250m**0**

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

This data is sourced from publicly available information by Groundsure.

21.3 Railway tunnels

Records within 250m**0**

Railway tunnels taken from contemporary Ordnance Survey mapping.

This data is sourced from the Ordnance Survey.

21.4 Historical railway and tunnel features

Records within 250m**0**

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.

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

0

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

This data is sourced from Ordnance Survey and OpenStreetMap.

21.8 Crossrail 1

Records within 500m

0

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

This data is sourced from publicly available information by Groundsure.

21.9 Crossrail 2

Records within 500m

0

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

This data is sourced from publicly available information by Groundsure.

21.10 HS2

Records within 500m

0

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

This data is sourced from HS2 Ltd.



Data providers

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

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



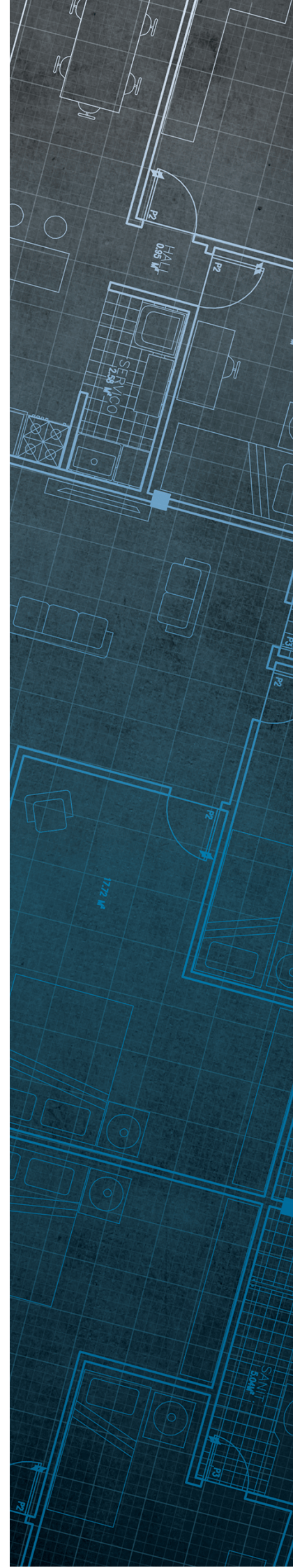
The Coal
Authority

Consultants Coal Mining Report

121-131 Bell Lane
Bury
BL9 6BB

Date of enquiry:	10 August 2021
Date enquiry received:	10 August 2021
Issue date:	10 August 2021

Our reference:	51002603909001
Your reference:	7308



Consultants

Coal Mining Report

This report is based on and limited to the records held by the Coal Authority at the time the report was produced.

Client name

SUB SURFACE LIMITED

Enquiry address

121-131 Bell Lane
Bury
BL9 6BB

How to contact us

0345 762 6848 (UK)
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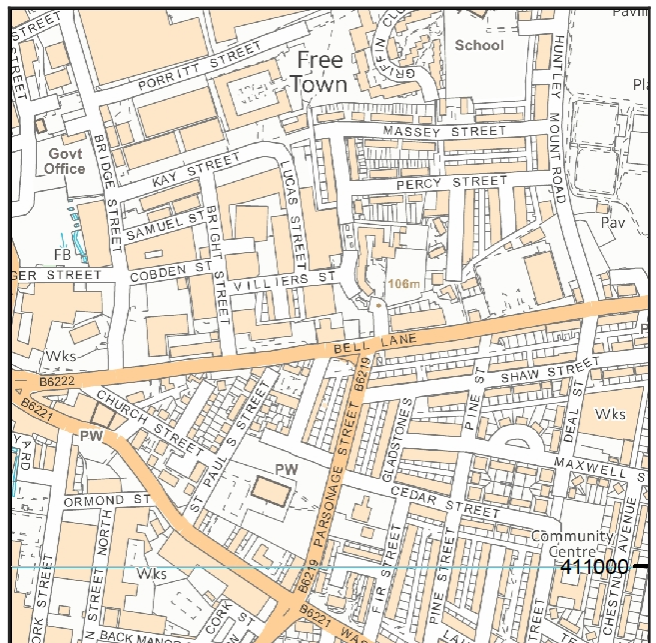
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 /thecoalauthority

 /thecoalauthority



Approximate position of property



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Section 1 – Mining activity and geology

Past underground mining

No past mining recorded.

Probable unrecorded shallow workings

None.

Spine roadways at shallow depth

No spine roadway recorded at shallow depth.

Mine entries

None recorded within 100 metres of the enquiry boundary.

Abandoned mine plan catalogue numbers

The following abandoned mine plan catalogue numbers intersect with some, or all, of the enquiry boundary:

16820		
-------	--	--

Please contact us on 0345 762 6848 to determine the exact abandoned mine plans you require based on your needs.

Outcrops

No outcrops recorded.

Geological faults, fissures and breaklines

No faults, fissures or breaklines recorded.

Opencast mines

None recorded within 500 metres of the enquiry boundary.

Coal Authority managed tips

None recorded within 500 metres of the enquiry boundary.

Section 2 – Investigative or remedial activity

Please refer to the 'Summary of findings' map (on separate sheet) for details of any activity within the area of the site boundary.

Site investigations

None recorded within 50 metres of the enquiry boundary.

Remediated sites

None recorded within 50 metres of the enquiry boundary.

Coal mining subsidence

The Coal Authority has not received a damage notice or claim for the subject property, or any property within 50 metres of the enquiry boundary, since 31 October 1994.

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.

Mine gas

None recorded within 500 metres of the enquiry boundary.

Mine water treatment schemes

None recorded within 500 metres of the enquiry boundary.

Section 3 – Licensing and future mining activity

Future underground mining

None recorded.

Coal mining licensing

None recorded within 200 metres of the enquiry boundary.

Court orders

None recorded.

Section 46 notices

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

Withdrawal of support notices

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.

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.

Section 4 – Further information

Based on the responses in this report, no further information has been highlighted.

Section 5 – Data definitions

The datasets used in this report have limitations and assumptions within their results. For more guidance on the data and the results specific to the enquiry boundary, please **call us on 0345 762 6848** or **email us at groundstability@coal.gov.uk**.

Past underground coal mining

Details of all recorded underground mining relative to the enquiry boundary. Only past underground workings where the enquiry boundary is within 0.7 times the depth of the workings (zone of likely physical influence) allowing for seam inclination, will be included.

Probable unrecorded shallow workings

Areas where the Coal Authority believes there to be unrecorded coal workings that exist at or close to the surface (less than 30 metres deep).

Spine roadways at shallow depth

Connecting roadways either, working to working, or, surface to working, both in-seam and cross measures that exist at or close to the surface (less than 30 metres deep), either within or within 10 metres of the enquiry boundary.

Mine entries

Details of any shaft or adit either within, or within 100 metres of the enquiry boundary including approximate location, brief treatment details where known, the mineral worked from the mine entry and conveyance details where the mine entry has previously been sold by the Authority or its predecessors British Coal or the National Coal Board.

Abandoned mine plan catalogue numbers

Plan numbers extracted from the abandoned mines catalogue containing details of coal and other mineral abandonment plans deposited via the Mines Inspectorate in accordance with the Coal Mines Regulation Act and Metalliferous Mines Regulation Act 1872. A maximum of 9 plan extents that intersect with the enquiry boundary will be included. This does not infer that the workings and/or mine entries shown on the abandonment plan will be relevant to the site/property boundary.

Outcrops

Details of seam outcrops will be included where the enquiry boundary intersects with a conjectured or actual seam outcrop location (derived by either the British Geological Survey or the Coal Authority) or intersects with a defined 50 metres buffer on the coal (dip) side of the outcrop. An indication of whether the Coal Authority believes the seam to be of sufficient thickness and/or quality to have been worked will also be included.

Geological faults, fissures and breaklines

Geological disturbances or fractures in the bedrock. Surface fault lines (British Geological Survey derived data) and fissures and breaklines (Coal Authority derived data) intersecting with the enquiry boundary will be included. In some circumstances faults, fissures or breaklines have been known to contribute to surface subsidence damage as a consequence of underground coal mining.

Opencast mines

Opencast coal sites from which coal has been removed in the past by opencast (surface) methods and where the enquiry boundary is within 500 metres of either the licence area, site boundary, excavation area (high wall) or coaling area.

Coal Authority managed tips

Locations of disused colliery tip sites owned and managed by the Coal Authority, located within 500 metres of the enquiry boundary.

Site investigations

Details of site investigations within 50 metres of the enquiry boundary where the Coal Authority has received information relating to coal mining risk investigation and/or remediation by third parties.

Remediated sites

Sites where the Coal Authority has undertaken remedial works either within or within 50 metres of the enquiry boundary following report of a hazard relating to coal mining under the Coal Authority's Emergency Surface Hazard Call Out procedures.

Coal mining subsidence

Details of alleged coal mining subsidence claims made since 31 October 1994 either within or within 50 metres of the enquiry boundary. Where the claim relates to the enquiry boundary confirmation of whether the claim was accepted, rejected or whether liability is still being determined will be given. Where the claim has been discharged, whether this was by repair, payment of compensation or a combination of both, the value of the claim, where known, will also be given.

Details of any current 'Stop Notice' deferring remedial works or repairs affecting the property/site, and if so the date of the notice.

Details of any request made to execute preventative works before coal is worked under section 33 of the Coal Mining Subsidence Act 1991. If yes, whether any person withheld consent or failed to comply with any request to execute preventative works.

Mine gas

Reports of alleged mine gas emissions received by the Coal Authority, either within or within 500 metres of the enquiry boundary that subsequently required investigation and action by the Coal Authority to mitigate the effects of the mine gas emission.

Mine water treatment schemes

Locations where the Coal Authority has constructed or operates assets that remove pollutants from mine water prior to the treated mine water being discharged into the receiving water body.

These schemes are part of the UK's strategy to meet the requirements of the Water Framework Directive. Schemes fall into 2 basic categories: Remedial – mitigating the impact of existing pollution or Preventative – preventing a future pollution incident.

Mine water treatment schemes generally consist of one or more primary settlement lagoons and one or more reed beds for secondary treatment. A small number are more specialised process treatment plants.

Future underground mining

Details of all planned underground mining relative to the enquiry boundary. Only those future workings where the enquiry boundary is within 0.7 times the depth of the workings (zone of likely physical influence) allowing for seam inclination will be included.

Coal mining licensing

Details of all licenses issued by the Coal Authority either within or within 200 metres of the enquiry boundary in relation to the under taking of surface coal mining, underground coal mining or underground coal gasification.

Court orders

Orders in respect of the working of coal under the Mines (Working Facilities and Support) Acts of 1923 and 1966 or any statutory modification or amendment thereof.

Section 46 notices

Notice of proposals relating to underground coal mining operations that have been given under section 46 of the Coal Mining Subsidence Act 1991.

Withdrawal of support notices

Published notices of entitlement to withdraw support and the date of the notice. Details of any revocation notice withdrawing the entitlement to withdraw support given under Section 41 of the Coal Industry Act 1994.

Payment to owners of former copyhold land

Relevant notices which may affect the property and any subsequent notice of retained interests in coal and coal mines, acceptance or rejection notices and whether any compensation has been paid to a claimant.

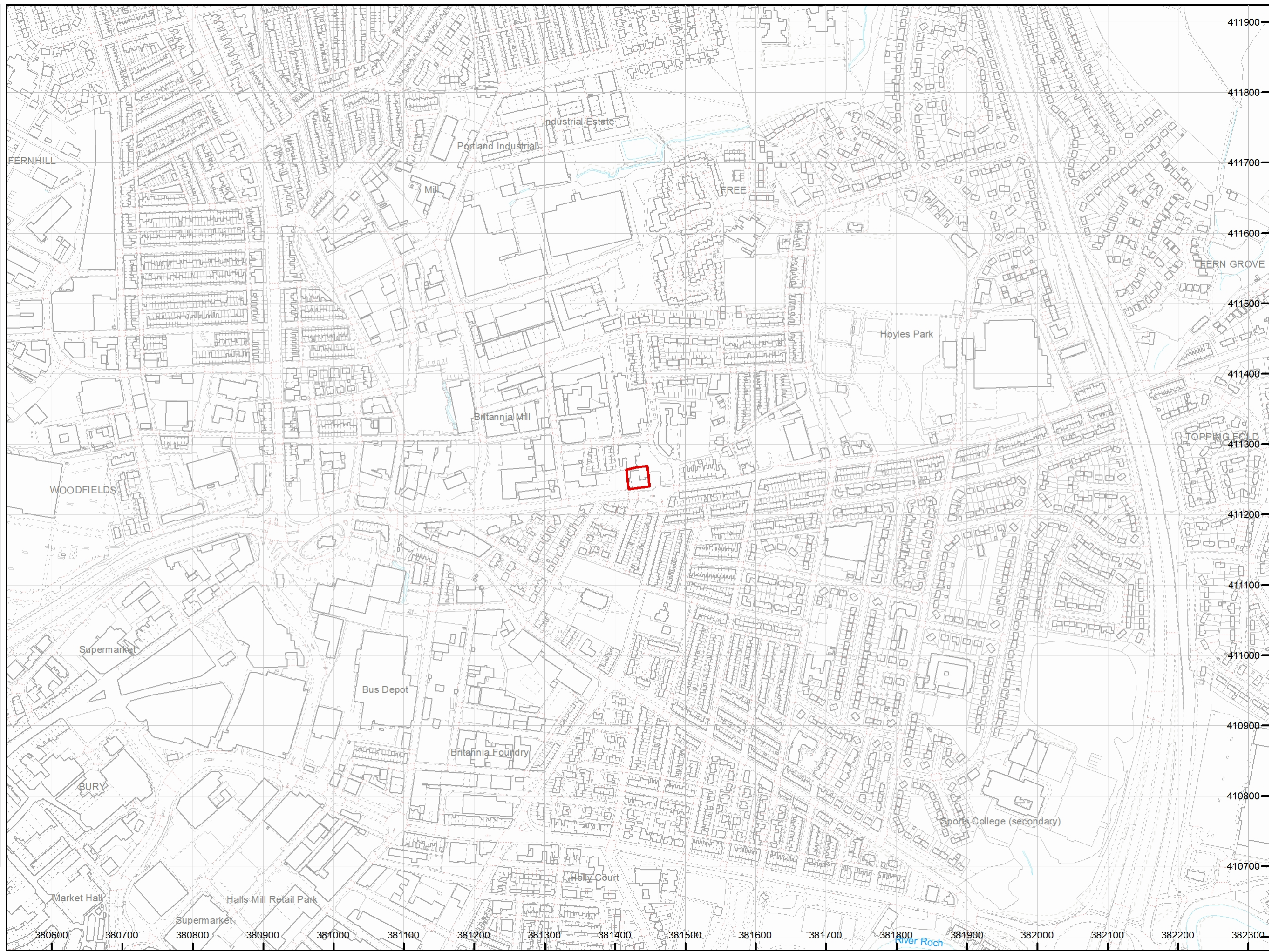
The map highlights any specific surface or subsurface features within or near to the boundary of the site.

Key

Approximate position of the enquiry boundary shown 

How to contact us

0345 762 6848 (UK)
+44 (0)1623 637 000 (International)
www.groundstability.com



SMALL SCALE SURVEY PLANS



Site Details:

121 - 131 Bell Lane, Bury, BL9 6BB

Client Ref: 4199
Report Ref: CMAPS-CM-982932-4199-100821HIS
Grid Ref: 381432, 411252

Map Name: County Series

Map date: 1851

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1847
Revised N/A
Edition 1851
Copyright N/A
Levelled N/A



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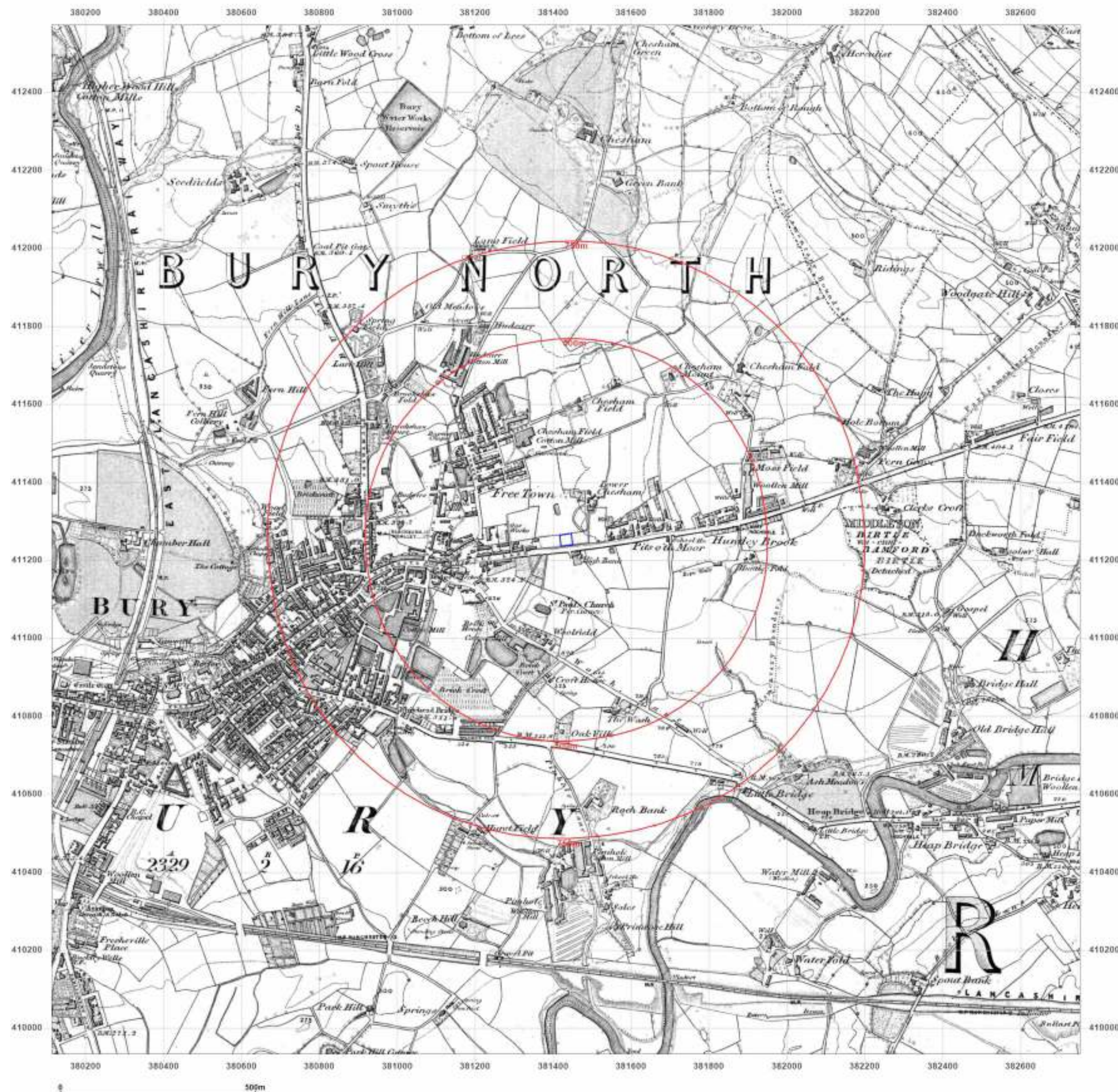


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Production date: 10 August 2021

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

121 - 131 Bell Lane, Bury, BL9
6BB

Client Ref: 4199
Report Ref: CMAPS-CM-982932-4199-100821HIS
Grid Ref: 381432, 411252

Map Name: County Series

Map date: 1891

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1891
Revised 1891
Edition N/A
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Levelled N/A

Surveyed 1891
Revised 1891
Edition N/A
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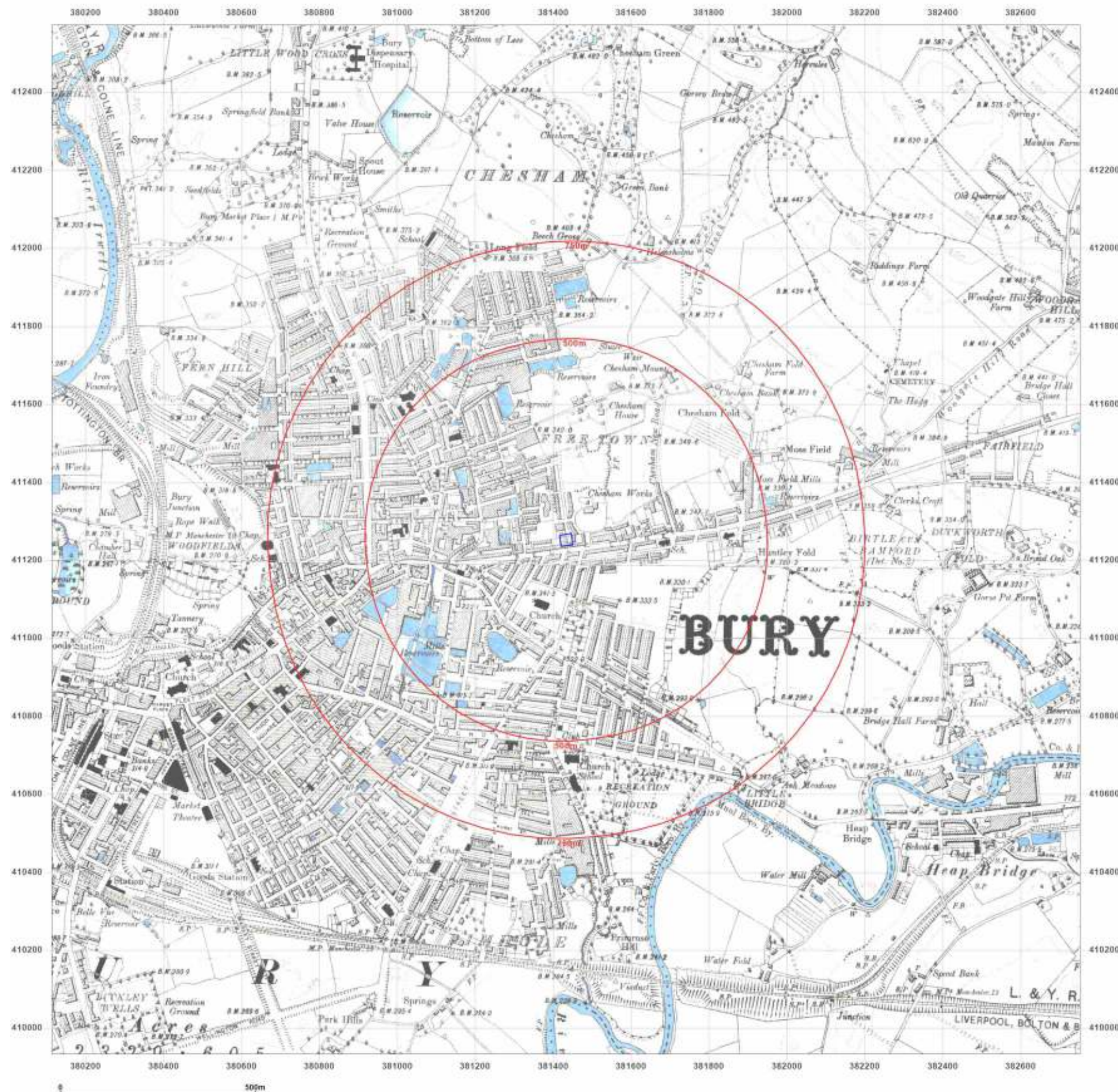


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Site Details:

121 - 131 Bell Lane, Bury, BL9 6BB

Client Ref: 4199
Report Ref: CMAPS-CM-982932-4199-100821HIS
Grid Ref: 381432, 411252

Map Name: County Series

Map date: 1908

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1848
Revised 1908
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1844
Revised 1908
Edition N/A
Copyright N/A
Levelled N/A



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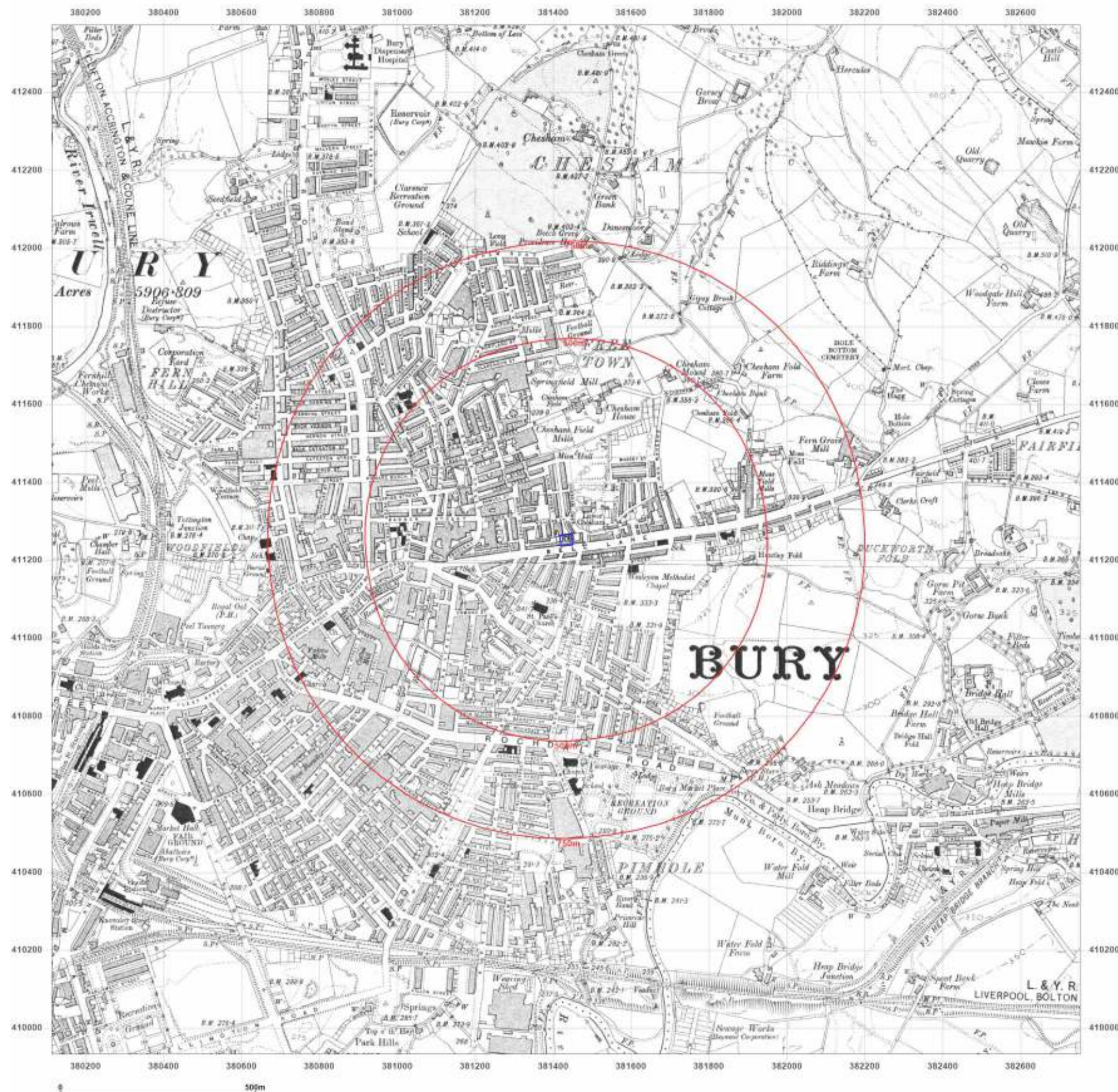


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Site Details:

121 - 131 Bell Lane, Bury, BL9 6BB

Client Ref: 4199
Report Ref: CMAPS-CM-982932-4199-100821HIS
Grid Ref: 381432, 411252

Map Name: County Series

Map date: 1928

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1848
Revised 1928
Edition N/A
Copyright N/A
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Surveyed 1844
Revised 1928
Edition N/A
Copyright N/A
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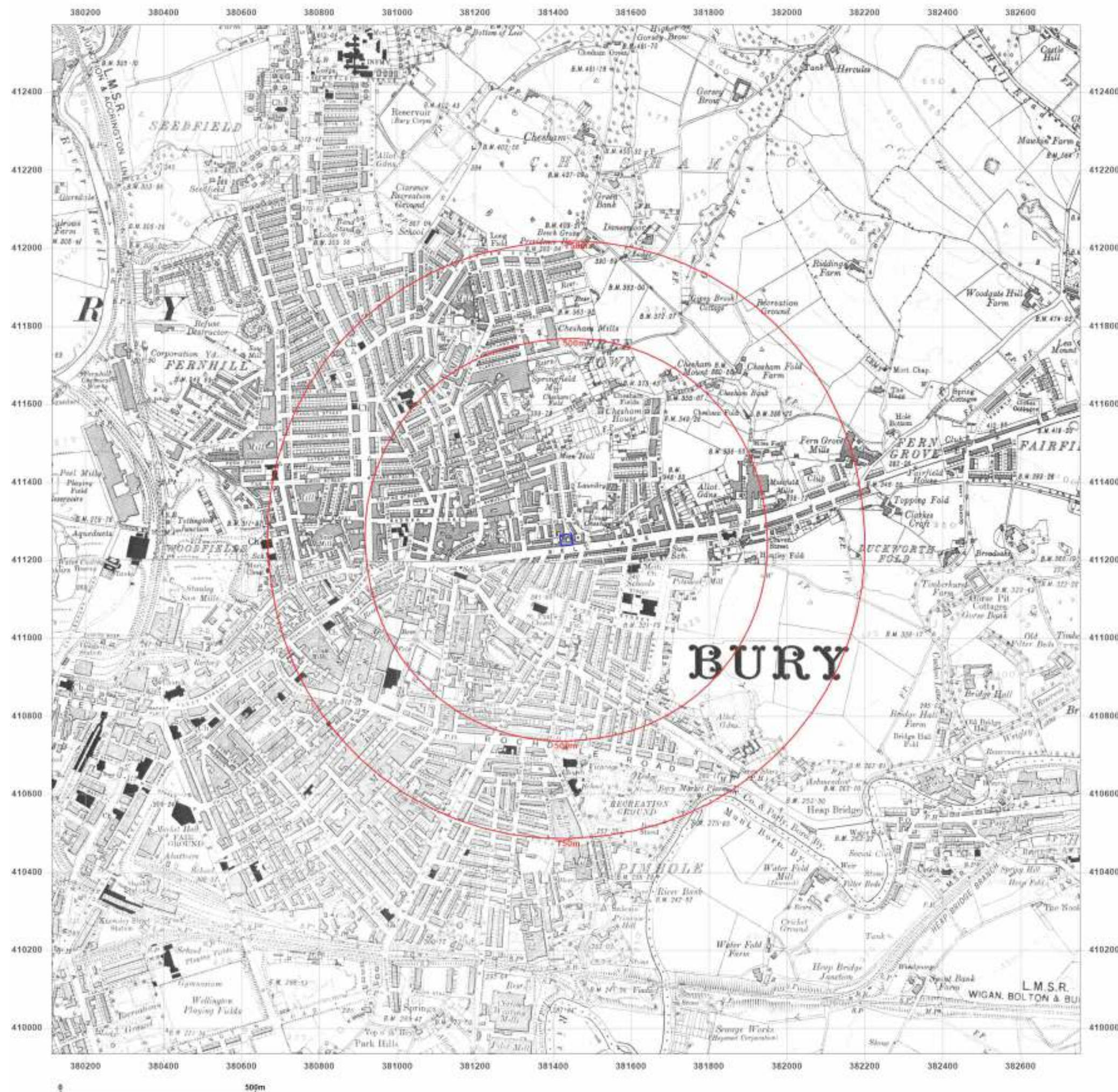


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Site Details:

121 - 131 Bell Lane, Bury, BL9 6BB

Client Ref: 4199
Report Ref: CMAPS-CM-982932-4199-100821HIS
Grid Ref: 381432, 411252

Map Name: County Series

Map date: 1938

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1848
Revised 1938
Edition N/A
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Levelled N/A

Surveyed 1844
Revised 1938
Edition N/A
Copyright N/A
Levelled N/A



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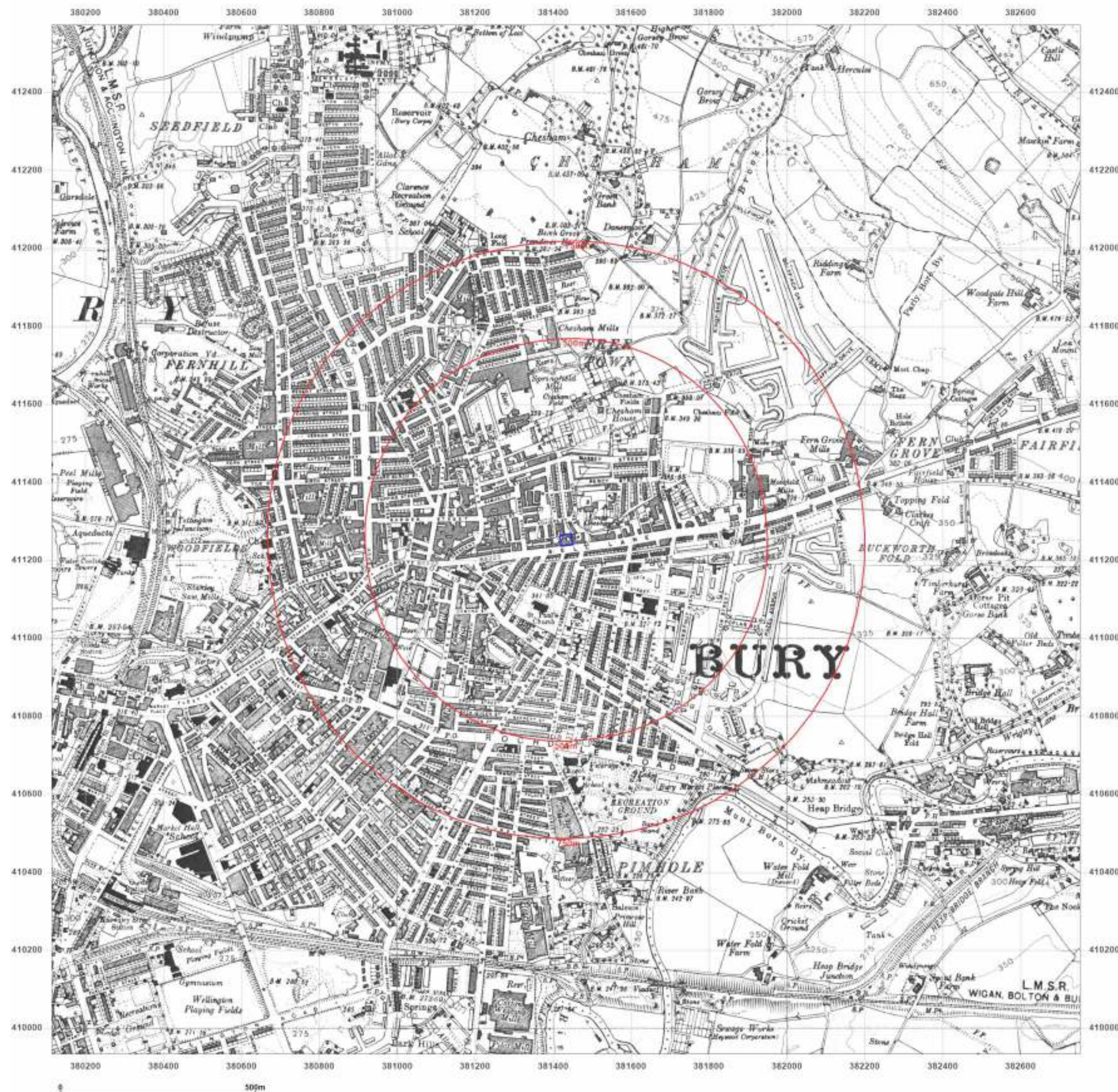


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Site Details:

121 - 131 Bell Lane, Bury, BL9 6BB

Client Ref: 4199
Report Ref: CMAPS-CM-982932-4199-100821HIS
Grid Ref: 381432, 411252

Map Name: Provisional

Map date: 1955-1956

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1949
Revised 1949
Edition N/A
Copyright 1956
Levelled N/A

Surveyed 1949
Revised 1955
Edition 1955
Copyright N/A
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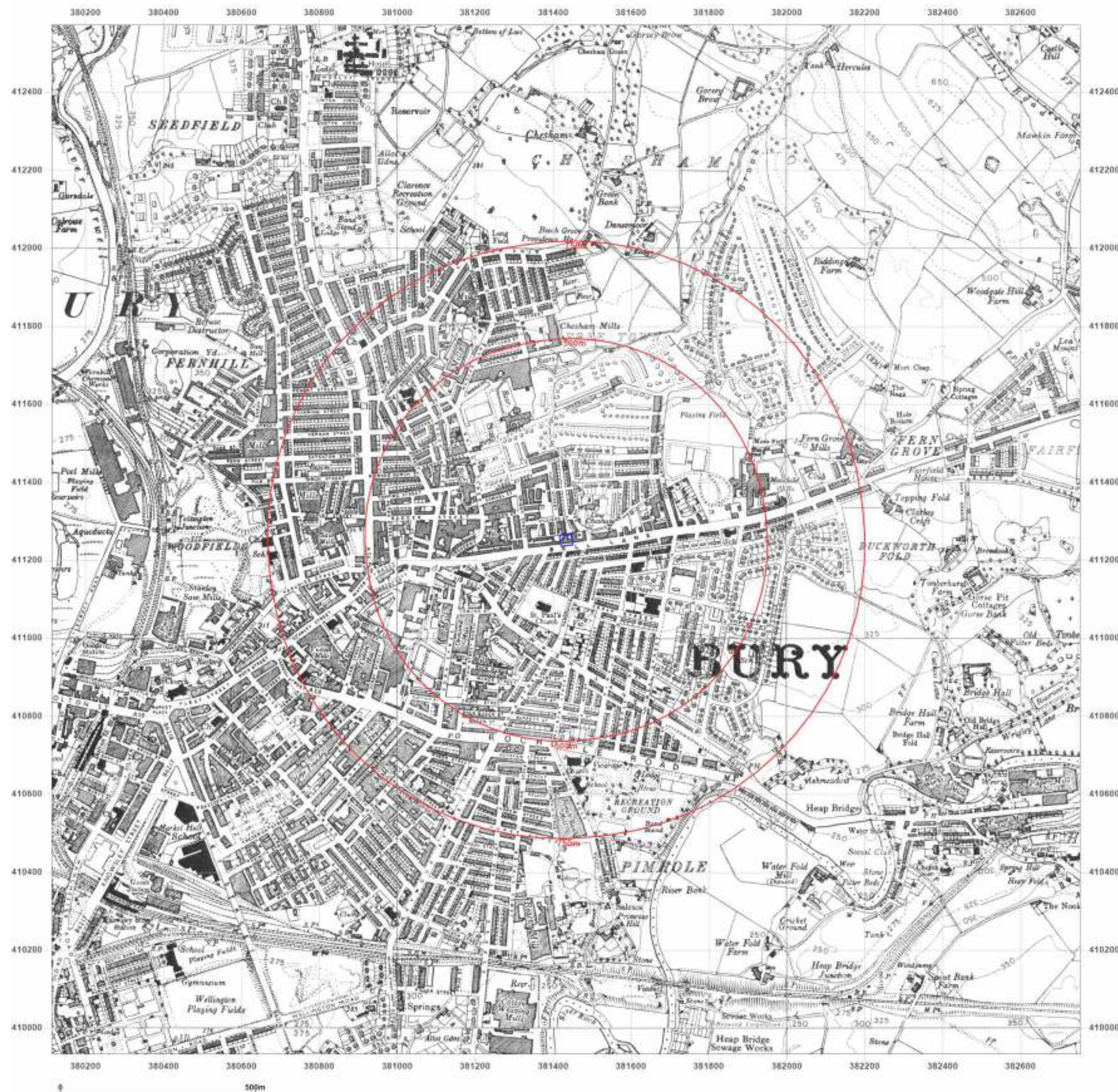


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Site Details:

121 - 131 Bell Lane, Bury, BL9
6BB

Client Ref: 4199
Report Ref: CMAPS-CM-982932-4199-100821HIS
Grid Ref: 381432, 411252

Map Name: Provisional

Map date: 1965-1967

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1967
Revised 1967
Edition N/A
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Levelled N/A

Surveyed 1965
Revised 1965
Edition N/A
Copyright N/A
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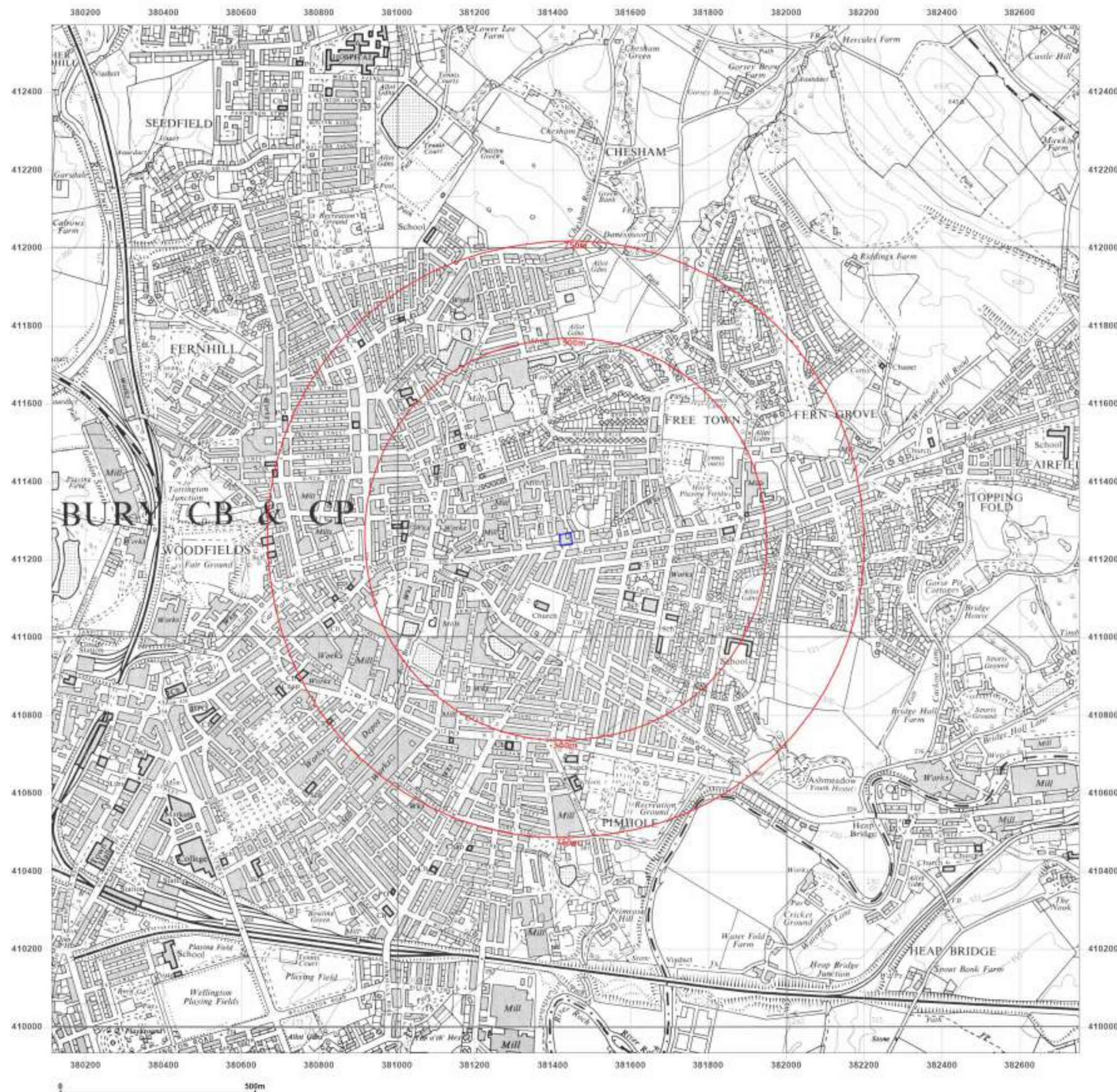


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Site Details:

121 - 131 Bell Lane, Bury, BL9 6BB

Client Ref: 4199
Report Ref: CMAPS-CM-982932-4199-100821HIS
Grid Ref: 381432, 411252

Map Name: National Grid

Map date: 1983

Scale: 1:10,000

Printed at: 1:10,000



Surveyed 1977
Revised 1983
Edition N/A
Copyright N/A
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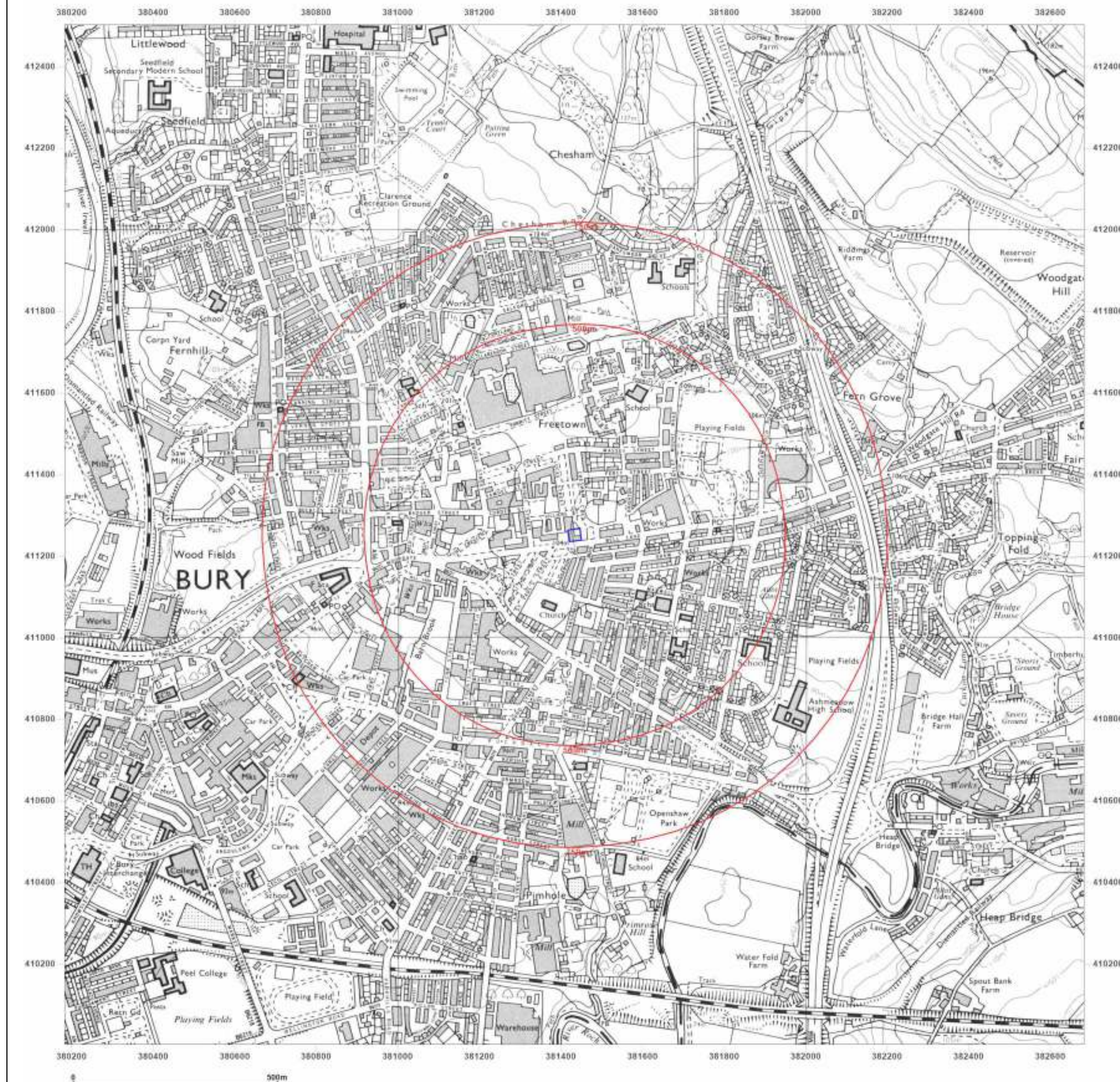


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Site Details:

121 - 131 Bell Lane, Bury, BL9 6BB

Client Ref: 4199
Report Ref: CMAPS-CM-982932-4199-100821HIS
Grid Ref: 381432, 411252

Map Name: National Grid

Map date: 2001

Scale: 1:10,000

Printed at: 1:10,000



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Site Details:

121 - 131 Bell Lane, Bury, BL9 6BB

Client Ref: 4199
Report Ref: CMAPS-CM-982932-4199-100821HIS
Grid Ref: 381432, 411252

Map Name: National Grid

Map date: 2010

Scale: 1:10,000

Printed at: 1:10,000



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Site Details:

121 - 131 Bell Lane, Bury, BL9 6BB

Client Ref: 4199
Report Ref: CMAPS-CM-982932-4199-100821HIS
Grid Ref: 381432, 411252

Map Name: National Grid

Map date: 2021

Scale: 1:10,000

Printed at: 1:10,000



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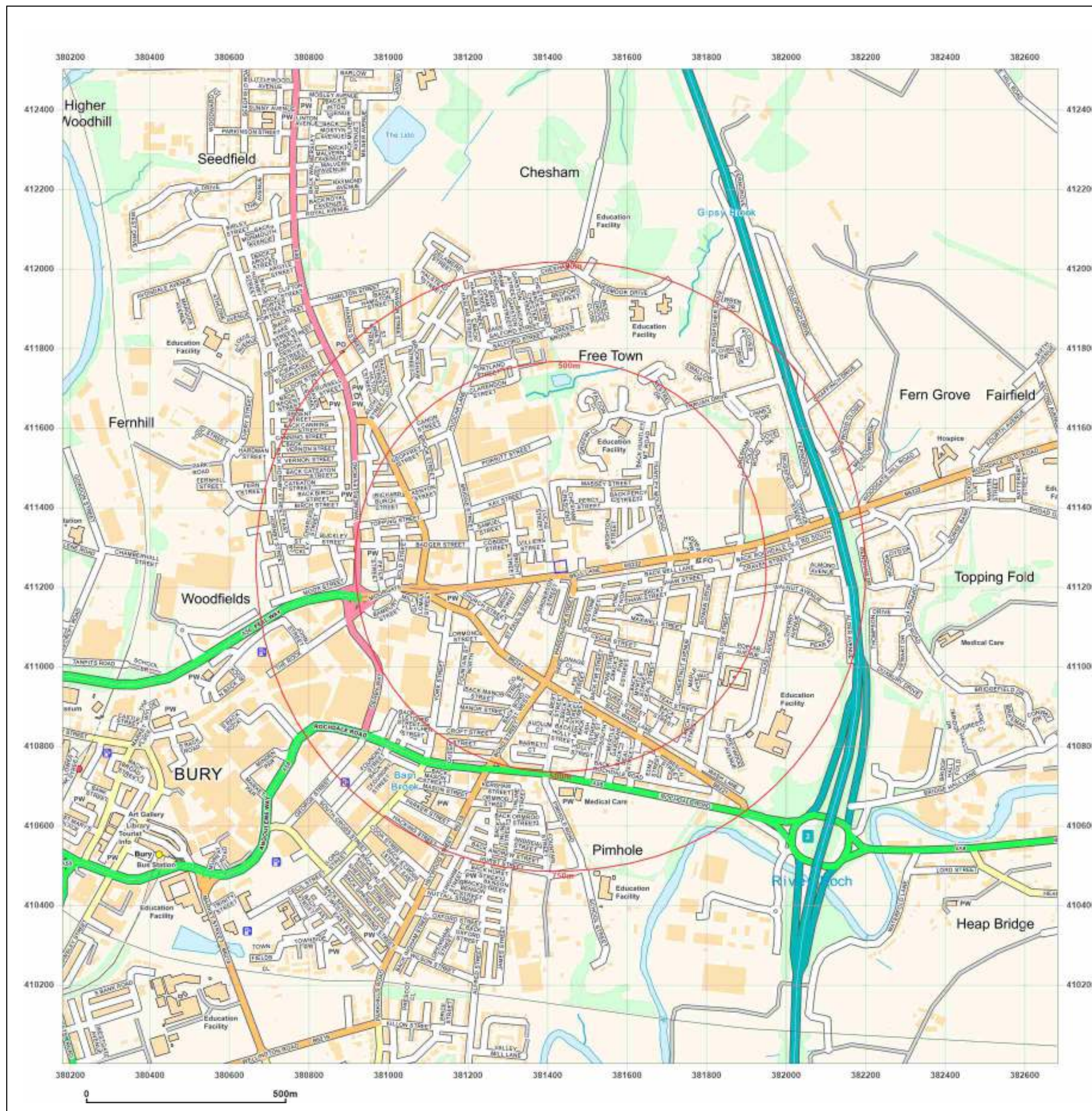


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LARGE SCALE SURVEY PLANS



Site Details:

121 - 131 Bell Lane, Bury, BL9 6BB

Client Ref: 4199
Report Ref: CMAPS-CM-982932-4199-100821HIS
Grid Ref: 381432, 411252

Map Name: 1056 Scale Town Plan

Map date: 1849

Scale: 1:1,056

Printed at: 1:1,056



Surveyed 1847
Revised N/A
Edition 1849
Copyright N/A
Levelled N/A



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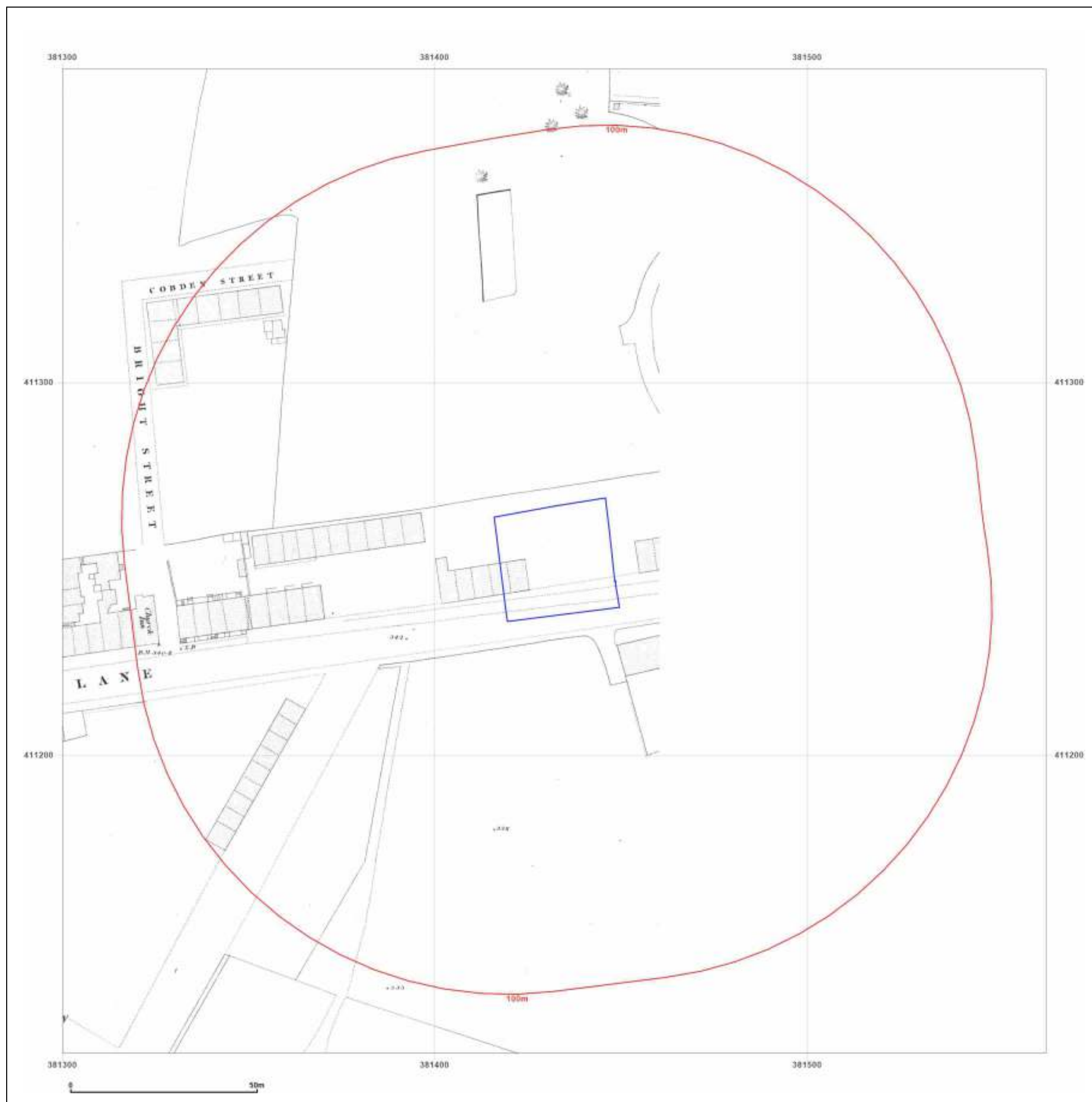


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Production date: 10 August 2021

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Site Details:

121 - 131 Bell Lane, Bury, BL9
6BB

Client Ref: 4199
Report Ref: CMAPS-CM-982932-4199-100821HIS
Grid Ref: 381432, 411252

Map Name: County Series

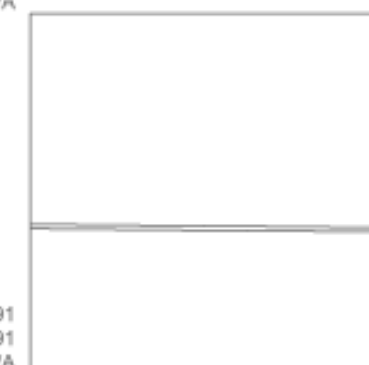
Map date: 1890-1891

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1890
Revised 1890
Edition N/A
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Surveyed 1891
Revised 1891
Edition N/A
Copyright N/A
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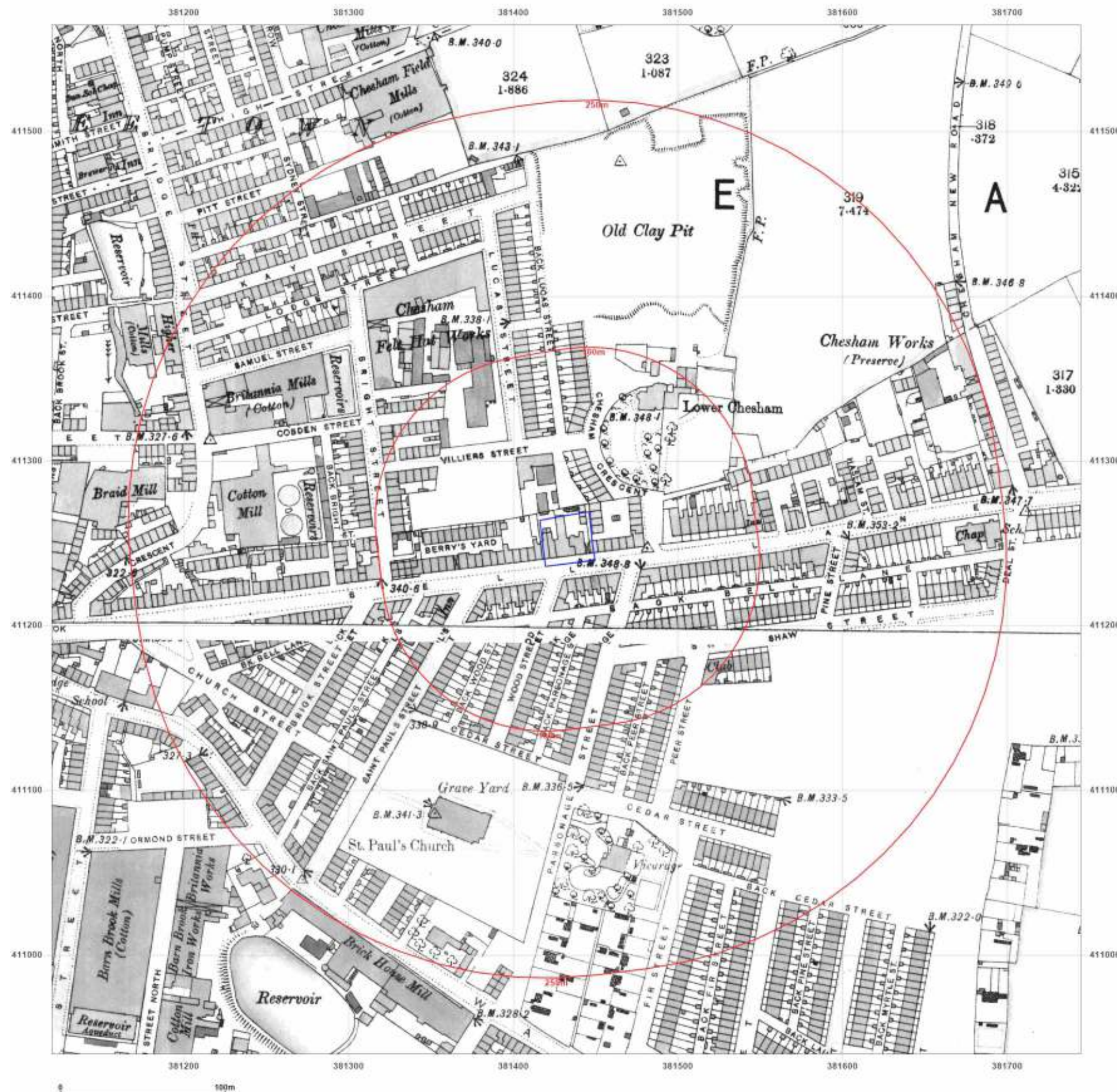


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Site Details:

121 - 131 Bell Lane, Bury, BL9
6BB

Client Ref: 4199
Report Ref: CMAPS-CM-982932-4199-100821HIS
Grid Ref: 381432, 411252

Map Name: County Series Town Plan

Map date: 1891

Scale: 1:500

Printed at: 1:1,000



Surveyed 1891
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Surveyed 1891
Revised N/A
Edition N/A
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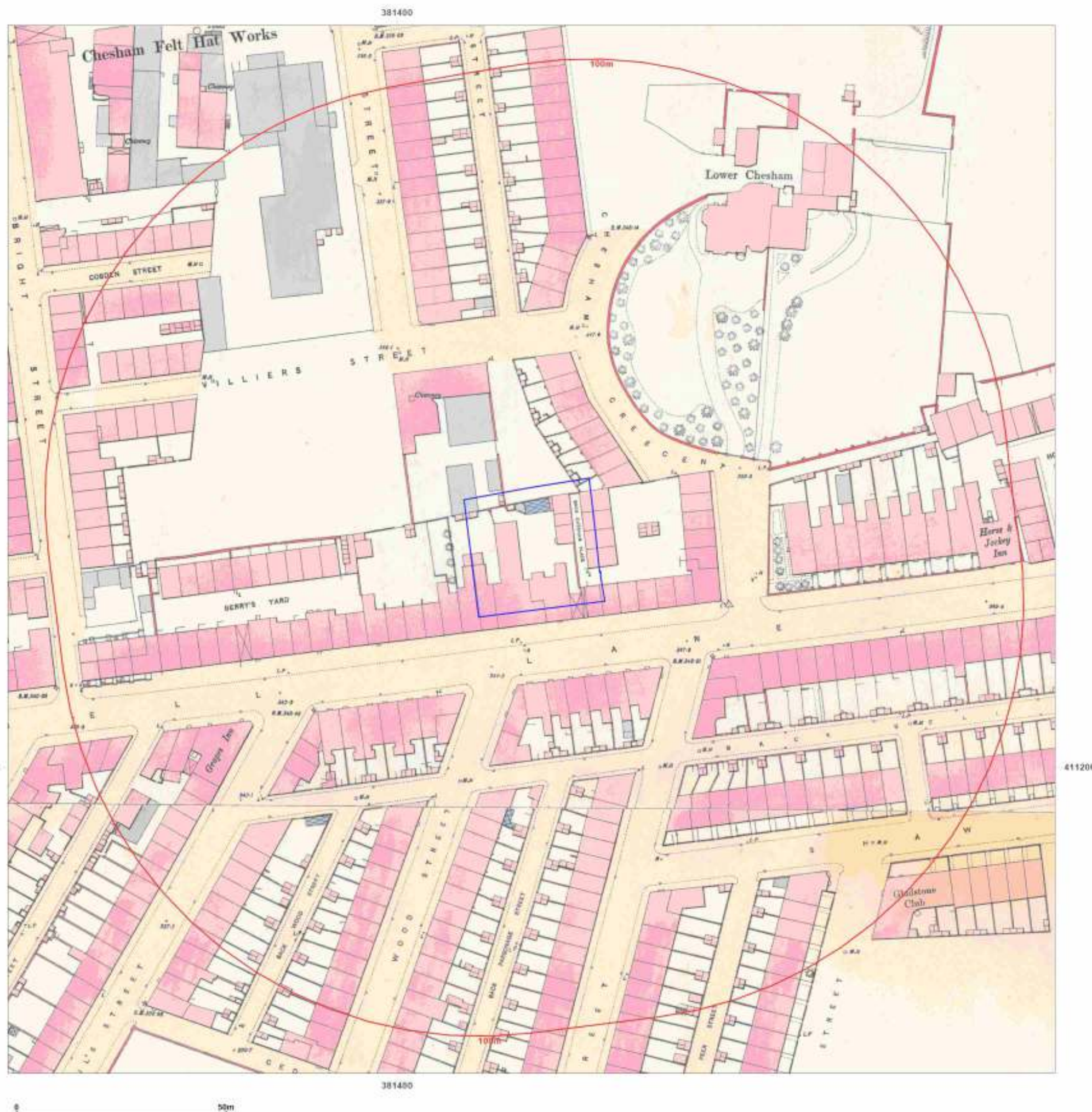


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Site Details:

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6BB

Client Ref: 4199
Report Ref: CMAPS-CM-982932-4199-100821HIS
Grid Ref: 381432, 411252

Map Name: County Series

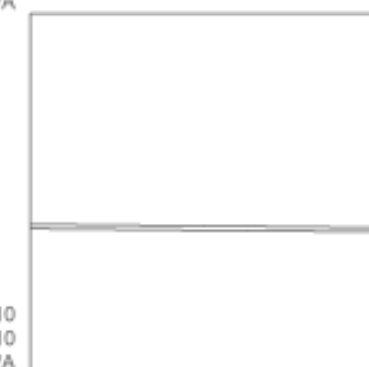
Map date: 1910

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1910
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Edition N/A
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Surveyed 1910
Revised 1910
Edition N/A
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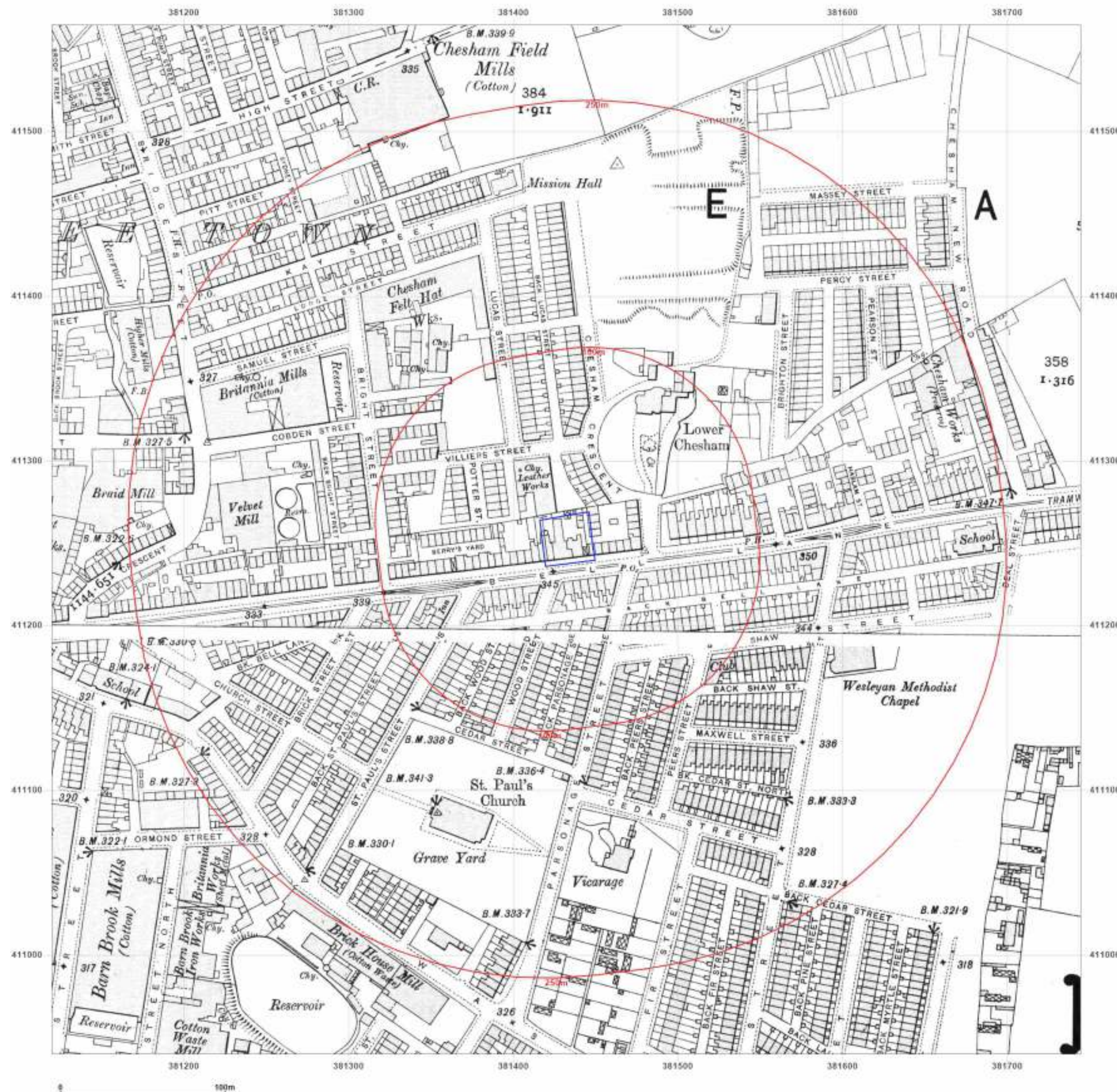


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Site Details:

121 - 131 Bell Lane, Bury, BL9
6BB

Client Ref: 4199
Report Ref: CMAPS-CM-982932-4199-100821HIS
Grid Ref: 381432, 411252

Map Name: County Series

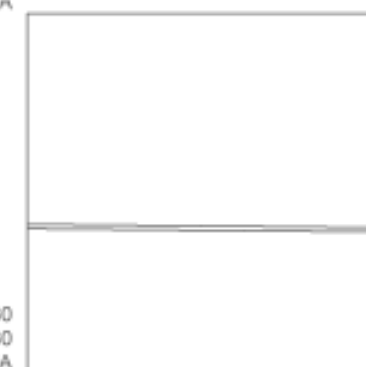
Map date: 1930

Scale: 1:2,500

Printed at: 1:2,500



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Edition N/A
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Edition N/A
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Site Details:

121 - 131 Bell Lane, Bury, BL9
6BB

Client Ref: 4199
Report Ref: CMAPS-CM-982932-4199-100821HIS
Grid Ref: 381432, 411252

Map Name: County Series

Map date: 1937-1939

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1939
Revised 1939
Edition N/A
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Surveyed 1937
Revised 1937
Edition N/A
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Site Details:

121 - 131 Bell Lane, Bury, BL9 6BB

Client Ref: 4199
Report Ref: CMAPS-CM-982932-4199-100821HIS
Grid Ref: 381432, 411252

Map Name: National Grid

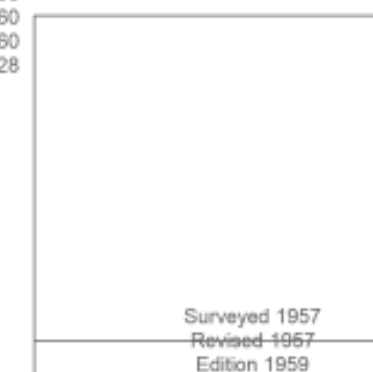
Map date: 1957-1958

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1958
Revised 1958
Edition 1960
Copyright 1960
Levelled 1928



Surveyed 1957
Revised 1957
Edition 1959
Copyright 1959
Levelled 1928



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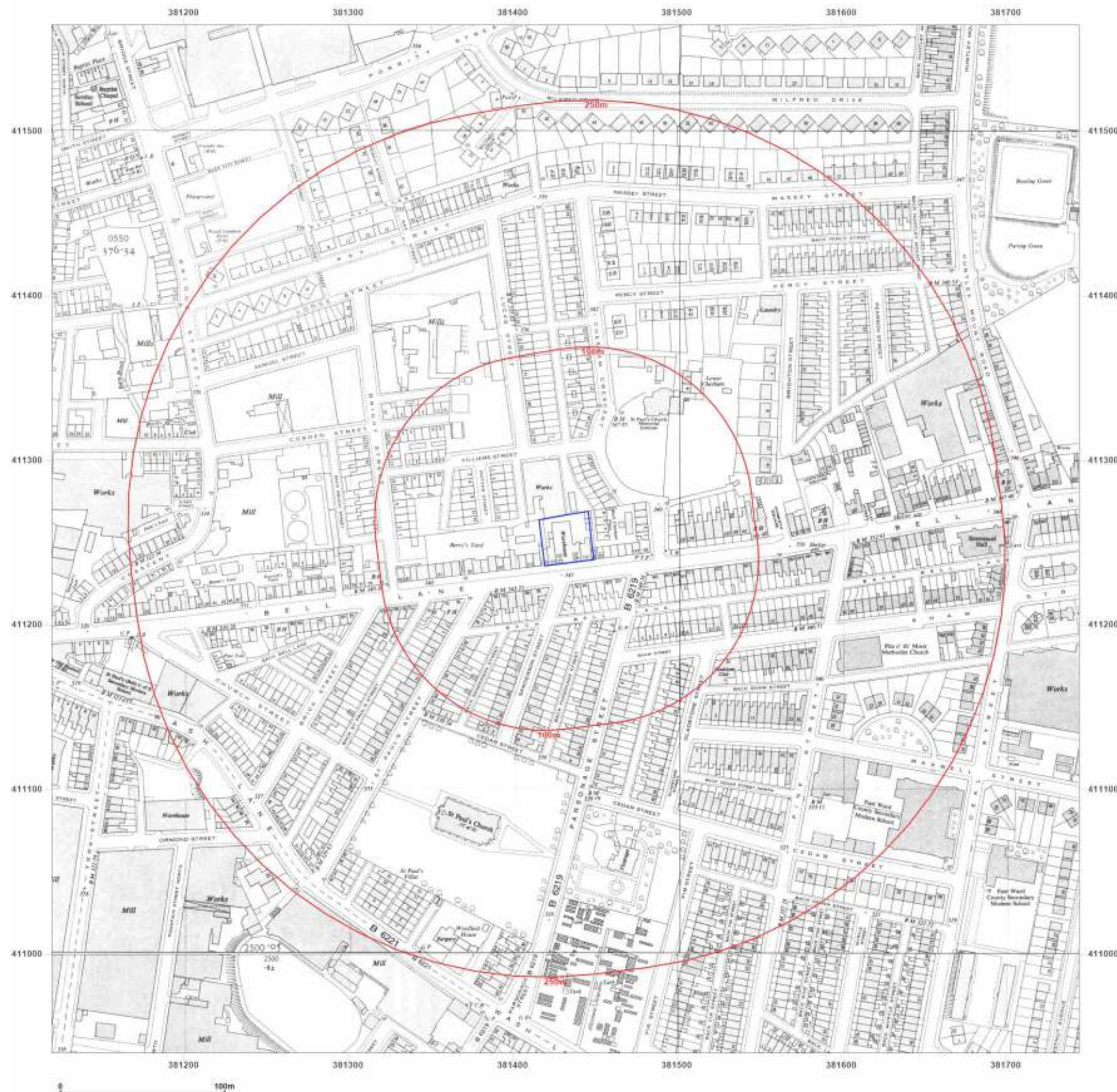


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Site Details:

121 - 131 Bell Lane, Bury, BL9 6BB

Client Ref: 4199
Report Ref: CMAPS-CM-982932-4199-100821HIS
Grid Ref: 381432, 411252

Map Name: National Grid

Map date: 1959

Scale: 1:1,250

Printed at: 1:2,000



Surveyed 1958
Revised 1958
Edition N/A
Copyright 1959
Levelled 1928

Surveyed 1958
Revised 1958
Edition N/A
Copyright 1959
Levelled 1928

Surveyed 1958
Revised 1958
Edition N/A
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Site Details:

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Client Ref: 4199
Report Ref: CMAPS-CM-982932-4199-100821HIS
Grid Ref: 381432, 411252

Map Name: National Grid

Map date: 1976-1977

Scale: 1:1,250

Printed at: 1:2,000



Surveyed N/A
Revised N/A
Edition N/A
Copyright 1975
Levelled N/A

Surveyed N/A
Revised N/A
Edition N/A
Copyright 1975
Levelled N/A

Surveyed N/A
Revised N/A
Edition N/A
Copyright 1977
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Surveyed 1958
Revised 1975
Edition N/A
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Site Details:

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Client Ref: 4199
Report Ref: CMAPS-CM-982932-4199-100821HIS
Grid Ref: 381432, 411252

Map Name: National Grid

Map date: 1984

Scale: 1:1,250

Printed at: 1:2,000



Surveyed 1962
Revised 1984
Edition N/A
Copyright 1984
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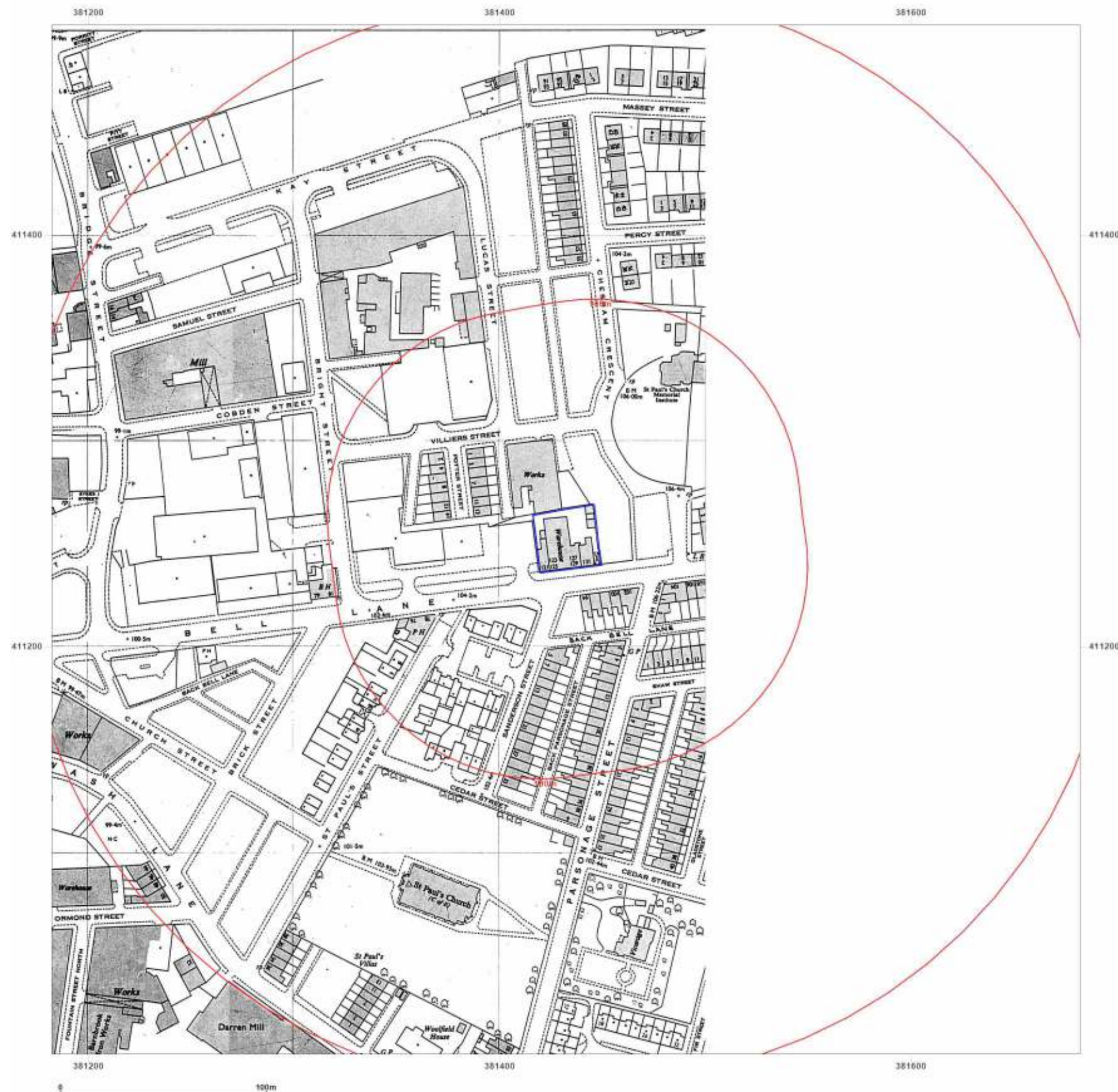


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Site Details:

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6BB

Client Ref: 4199
Report Ref: CMAPS-CM-982932-4199-100821HIS
Grid Ref: 381432, 411252

Map Name: National Grid

Map date: 1983-1985

Scale: 1:1,250

Printed at: 1:2,000



Surveyed 1959
Revised 1985
Edition N/A
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Revised 1983
Edition N/A
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Surveyed 1962
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Site Details:

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6BB

Client Ref: 4199
Report Ref: CMAPS-CM-982932-4199-100821HIS
Grid Ref: 381432, 411252

Map Name: National Grid

Map date: 1983-1988

Scale: 1:1,250

Printed at: 1:2,000



Surveyed 1962
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Surveyed 1962
Revised 1983
Edition N/A
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Site Details:

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Client Ref: 4199
Report Ref: CMAPS-CM-982932-4199-100821HIS
Grid Ref: 381432, 411252

Map Name: National Grid

Map date: 1988-1992

Scale: 1:1,250

Printed at: 1:2,000



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

Surveyed 1958
Revised 1987
Edition N/A
Copyright 1988
Levelled 1962

Surveyed 1992
Revised N/A
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Site Details:

121 - 131 Bell Lane, Bury, BL9 6BB

Client Ref: 4199
Report Ref: CMAPS-CM-982932-4199-100821HIS
Grid Ref: 381432, 411252

Map Name: National Grid

Map date: 1992-1994

Scale: 1:1,250

Printed at: 1:2,000



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Surveyed 1994
Revised N/A
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Site Details:

121 - 131 Bell Lane, Bury, BL9 6BB

Client Ref: 4199
Report Ref: CMAPS-CM-982932-4199-100821HIS
Grid Ref: 381432, 411252

Map Name: LandLine

Map date: 2003

Scale: 1:1,250

Printed at: 1:1,250



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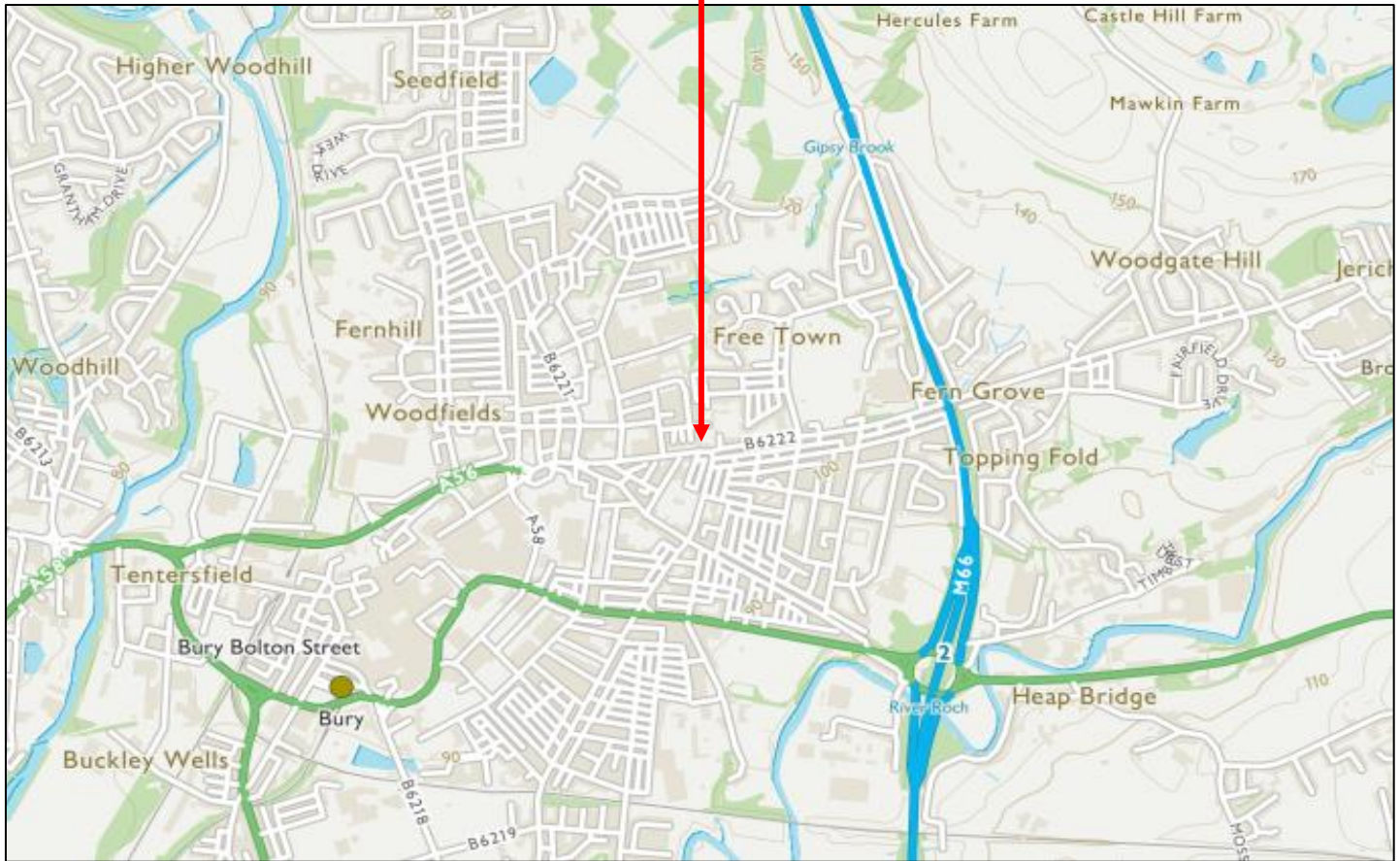
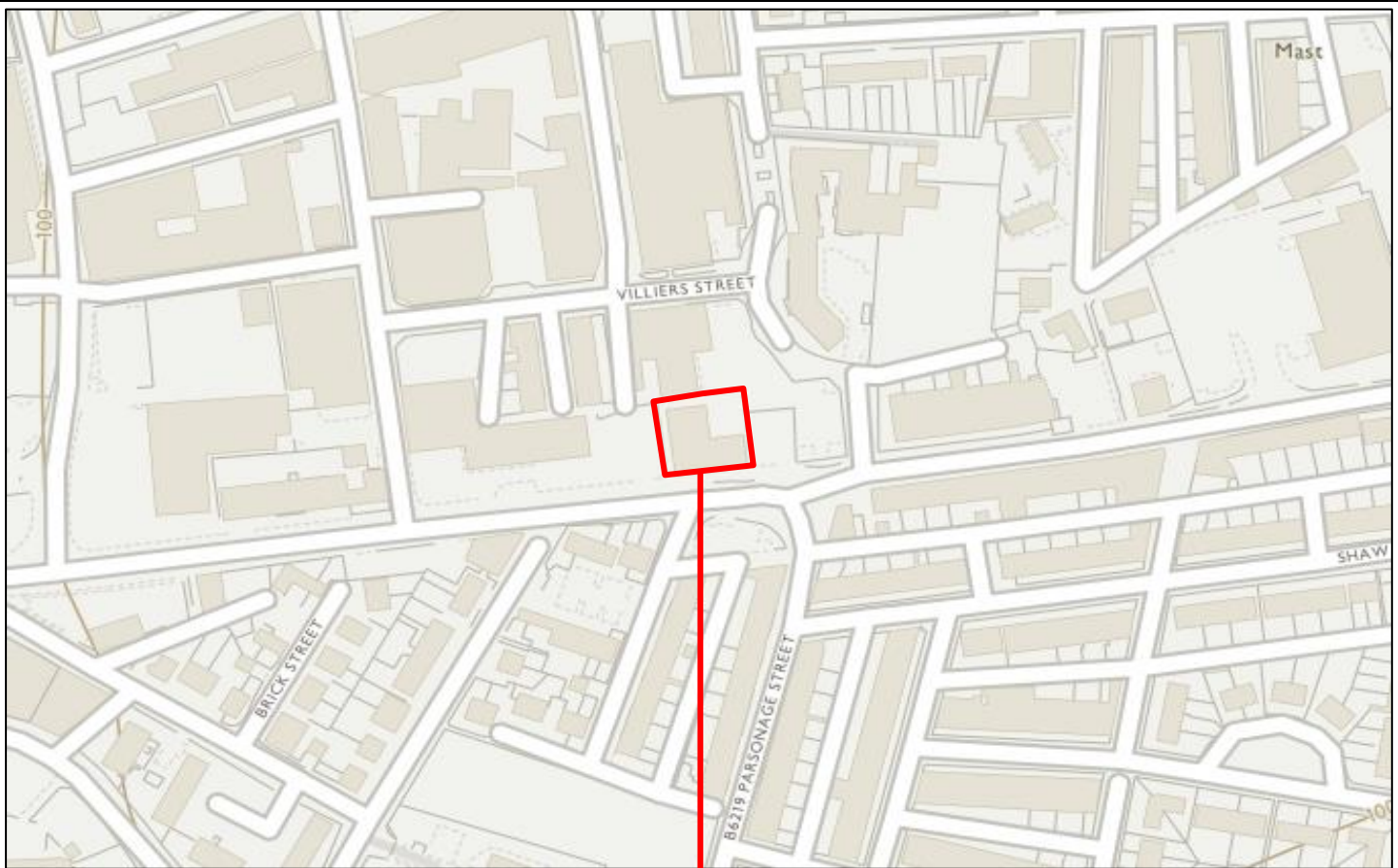
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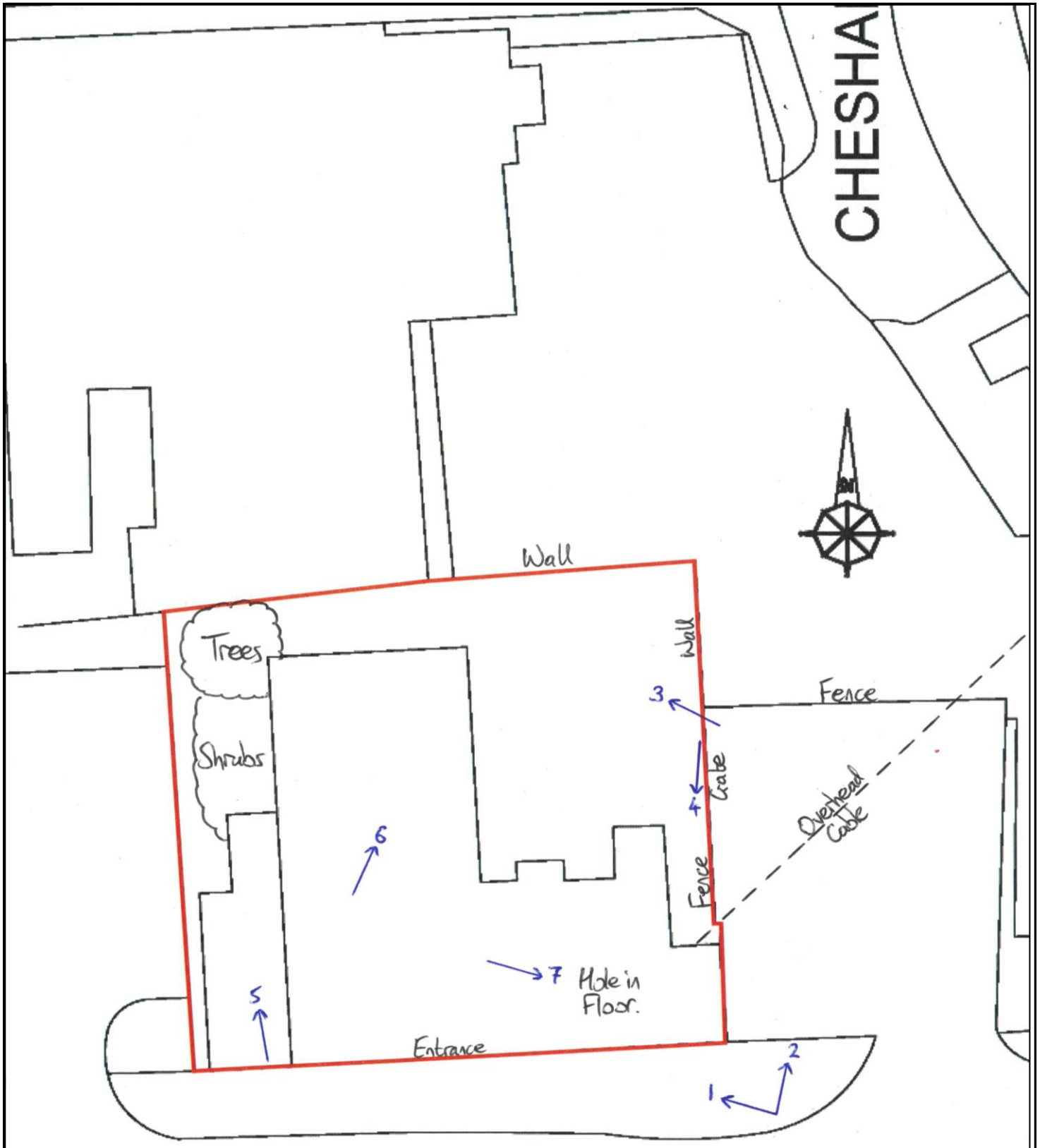


FIGURES



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Site: 121-131 BELL LANE, BURY, GREATER MANCHESTER	Date Drawn: 22-Aug-21	Date Checked:	Orientation:	Job Number: 7308
Client: NEIL PIKE ARCHITECTS LIMITED	Drawn By: MSB	Checked By:	Scale: —	Figure Number: 1



SUB SURFACE

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

Site:

121-131 BELL LANE, BURY, GREATER MANCHESTER

Client:

NEIL PIKE ARCHITECTS LIMITED

Site Plan / Walkover Photo Locations

Date Drawn:

22-Aug-21

Date Checked:

Orientation:



Job Number:

7308

Drawn By:

MSB

Checked By:

Scale:

—

Figure Number:

2