Phase 1 Preliminary Risk Assessment

Old Mill Street, Manchester

Zentra Group plc

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Basis of Report

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1.0 Introduction

1.1 Commission

1.1.1 SLR Consulting (SLR) were commissioned by Enabl Consult Limited on behalf of Zentra Group plc (the 'Client') to carry out an updated Phase 1 Preliminary Risk Assessment in support of a proposed residential development for a site off Old Mill Street, Manchester.

1.2 Site Location

1.2.1 The site is approximately 0.15 hectares (ha) in size and is situated off Old Mill Street in Manchester City Centre. The site is centred at Ordnance Survey National Grid Reference SJ 85487 98449 and the nearest postcode to the site is M4 6EE. The site has a generally flat topography. The Site's location and the redline boundary used for the preparation of this report is shown on Drawing 001 in Appendix A.

1.3 Scope and Objectives

1.3.1 SLR have been instructed to undertake an updated Phase I Preliminary Risk Assessment for the Site. A draft Phase 1 Desk Study has previously been prepared on the site by Wardell Armstrong LLP (now part of SLR Consulting Limited) in September 2023 (Ref: GM12676/002 V0.2).

1.3.2 The purpose of this updated report is to assist in the full planning application at the site for the erection of a residential apartment building comprising 41no. dwellings (Use Class C3), together with landscaping and associated works. This report assesses the geo-environmental and geotechnical conditions at the site that may impact the residential development proposed for the site. This report includes research consisting of an examination of the environmental documentation obtained for the site and a site walkover survey. The scope of works includes:

- Review of historical and current land usage of the site and surrounding area;
- Review of the environmental setting including the geology (bedrock and superficial), mining, hydrogeology and hydrology;
- Review of environmental regulatory information relating to the site;
- Undertake a site walkover to provide a visual inspection of accessible areas of the site;
- Undertake a Preliminary Risk Assessment and develop an initial Conceptual Site Model in relation to potential contamination sources and

migration pathways in the context of the current use of the Site and associated receptors; and,

- Assess the requirements for further studies at the site.

1.4 Limitations

1.4.1 The report does not constitute or contain a valuation nor is it a full rigorous geo-environmental or geotechnical audit.

1.4.2 Broader development constraints such as services, land drainage, flood risk, ecology, archaeology etc. are not considered in this report.

1.4.3 The Consultant undertaking the site walkover had a general awareness of invasive plant species; however, it is recommended that a trained Ecologist should assess the site for the presence of invasive species.

1.4.4 The opinions and recommendations presented in this report are based partly upon documents provided by third party sources. SLR have not verified the accuracy of the third-party information and for the purpose of this assessment have assumed that this information is accurate and complete.

1.4.5 The opinions and findings of this report are given without the benefit of any physical site investigation, sampling or testing. A site walkover visit has been carried out; however, this was limited to an assessment of the surface features of the site and accessible external areas, no internal inspection of buildings was undertaken.

1.4.6 The findings and recommendations are considered to be valid and appropriate at the time of preparation and for the specific purpose or purposes intended. SLR will not be liable if any findings are used by third parties, without the written agreement of the company, or if an interpretation is made and action taken without further consultation.

2.0 Scope of Information

2.1 Methodology

2.1.1 The Phase 1 Preliminary Risk Assessment research was carried out in general accordance with current recognised guidance detailed in the British Standard BS5930:2015+A1:2020 Code of Practice for Site Investigations, BS10175:2026 Investigation of Potentially Contaminated Sites – Code of Practice and the Environment Agency's "Land Contamination Risk Management (LCRM)". The report has been prepared following a site walkover and examination of the following key information:

- A Groundsure Report (Ref: GS-FYL-IP6-KE6-317) dated September 2026 (Attached as Appendix B);
  - Hydrological and hydrogeological conditions;
  - Environment Agency (EA) Groundwater Vulnerability Map;
  - Details of sensitive land use;
  - Published historical Ordnance Survey (OS) maps;
  - Registered landfill, waste transfer and waste treatment or disposal sites;
  - Pollution incidents relating to the air and controlled waters;
  - Discharge consents;
  - Licensed groundwater abstractions;
  - British Geological Survey (BGS) recorded mineral sites;
  - Mining instability/ hazards, including natural and mining cavities;
  - Ground instability hazard; and
  - Radon affected areas.
- The report is further supplemented by site walkovers undertaken on by a suitably experienced SLR Engineer (the photos from which are attached at Appendix C);
- Data from previous ground investigations carried out by SLR at part of the Site;
- A Coal Authority Consultants Coal Mining Report (attached as Appendix D);
- GeoIndex [online] geological mapping interactive mapping database. Available at: BGS Geology Viewer (BETA) (accessed 14/09/2026);
- British Geological Survey (BGS) information and BGS borehole logs;
- Wigan Council Planning Portal [online]. Available at: https://www.wigan.gov.uk/Resident/Planning-and-Building-Control/Planning/Search-planning-applications.aspx (accessed

14/09/2026);

- EA Long-term Flood Risk Tool [online]. Available at: https://www.gov.uk/check-long-term-flood-risk (accessed 14/09/2026);
- Zetica Ltd UXO Risk Map (attached as Appendix E); and,
- Zetica Pre-Desk Study Assessment (attached as Appendix F).

3.0 Site Setting

3.1 Site Description

3.1.1 At the time of writing, the site consists of gravel hardcore currently used for car parking. The site is bordered to the north by Old Mill Street and to the west by Lampwick Lane. Terrace housing off Old Mill Street is east of the site, with the old Stubbs Mill, now utilised as office space, to the south. The Ashton Canal is situated c.70m south of the site and the Rochdale Canal is situated c.350m north of the site, with the New Islington Marina c.125m to the west. Access into the site is off Lampwick Lane, to the west of the site. The New Islington Metrolink station of the Piccadilly to Ashton-under-Lyme Metrolink is c.170m south of the site.

3.2 Site Walkover Inspection

3.2.1 A site walkover was carried out for the proposed residential development site on 01 June 2023 by a WALLP Engineer. Photographs and notes taken during the site walkover are attached as Appendix C. More recent site visits confirm that site conditions have not changed significantly since the site walkover was undertaken.

3.2.2 The following observations were made during the site walkover:

- The site consists of gravel hardcore, with the eastern half of the site used for car parking and the western half of the site blocked off by concrete blocks, with a small wooden fence diving the two halves. The western half of the site was unused at the time of the walkover.
- A brick building is present in the north eastern corner of the site, potentially a utilities shed or electrical substation. Loose wooden fence panels at the northern border of the site and some littering was noted.
- Metal and wooden fencing runs along the sites eastern, northern and western borders, with a padlocked metal fence present on the western fence likely related to past site uses as a secure compound as seen on historic satellite imagery. The sites southern border is open with the exception of concrete blocks.
- The site is surrounded by the old Ancoats Hospital to the west, which was a construction site at the time of the walkover, and office space at the old Stubbs Mill to the south. Residential developments surround the site to

the north and east. Access into the site was off Old Mill Street to the north of the site.

3.3 Site History

3.3.1 Published OS County and National Grid series topographical maps dating from 1848 to 2025 have been reviewed. A summarised chronological site history identifying the features that may be relevant to the development is presented in Table 3.1. Copies of the historical maps included with the Groundsure report are attached as Appendix B.

TABLE 3.1: SUMMARY OF HISTORICAL MAPPING

Date Of Mapping	On Site Land Use	Surrounding Areas Land Use
1848 1:10,560	Site is shown as undeveloped grassland.	North: c.5m Residential developments East: c.10m Industrial and residential developments, c.500m Brick Field South: c.80-120m Canal, wharf and residential developments West: c.100m Residential developments
1851 1:1,056	Site remains unchanged	North: c.80m Timber yard and Coal yard, c.120m Manchester Flint Glass Works East: c.50m Piercy Street Sizing Works, c.90m Piercy Street Foundry, c.100m Wellington Mills and Pollard Street Iron Works South: c.80m Canal now labelled 'Ashton Under Lyne, Oldham and Stockport Canal', c.120m Hatton Street Brewery
1891 1:500	Machine Works are on site across the south. Rectory is now present in the northwest of the site. Terrace houses and associated out buildings are across the site's eastern border.	North: c.80m Timber yard and Coal yard no longer shown, c.120m Manchester Flint Glass Works has extended south across brick field with three chimneys East: c.90m Piercy Street Foundry now labelled Iron Foundry, c.100m Wellington Mills and Pollard Street Iron Works no longer shown, c.100m Victoria Mills South: c.0m Machine Works, c.120m Hatton Street Brewery no longer shown West: c.10m Ancoats Hospital, c.10m St Jude's Church, c. 50m Electric Engineering Works
1890-1894 1:10,560	No map coverage	South: c.500m Goods station and railway West: c.220m Spindle Works, c.250m Wharf

TABLE 3.1: SUMMARY OF HISTORICAL MAPPING		
Date Of Mapping	**On Site Land Use**	**Surrounding Areas Land Use**
1889-1893 1:2,500	Site remains unchanged	East: c.120m Phoenix Mill and two Cotton Mills, c.200m Ancoats Engineering Works, c.250m Beswick Street Mill South: c.150m Soho Iron Works, c.160m Tramway, c.250m disused Cotton Mill, c.250m Vulcan Iron Works West: c.150m Wire Works and Dye Works
1905-1906 1:10,560	Site remains unchanged	East: c.500m Brick Field no longer shown
1908 1:2,500	Site remains unchanged	North: c.250m Engineering Works East: c.120m Cotton Mill disused South: c.100m Girls Institute, c.130m Fire station, c.150m Soho Iron Works now Cotton Waste Mill, Chemical Works and Sawmill West: c.100m Bedstead & Safe Works, 150m Wire Works no longer shown and Dye Works labelled as disused
1922 1:1,250	Site remains unchanged	North: c.250m Engineering Works no longer shown South: c.150m Sawmill now Star Iron Works West: c.250m Sun Mill
1931-1932 1:2,500	Building associated with machine works previously mapped on site and extending south of the site is now labelled as Mill Street Textile Engineering Works	East: c.100m Brass & Iron Foundry, c.120m Chemical manufactory, c.150m Bridge Mill South: c..120m Wharf now shown as Mortuary, c.90m Waste Paper Works and Cotton Waste Mill, c.110m Cotton Mill now a Bag factory West: c.120m York Mill, c.130m Shirt manufactory, c.150m Clothing manufactory, c.160m Engineering Works, 220m Spindle Works now a Chain Works and Toy Factory
1948 1:1,250	Site remains unchanged	East: c.60m Oil and Tallow Works, c.120m Cotton Mill now shown as Ministry of Works Warehouse, c.200m Ancoats Engineering Works now shown as Albert Cabinet Works, c.250m Beswick Street Mill no longer shown South: c.100m Cotton Waste Mill, c.120m Boiler house, c.130m Fire station now a Chair frame factory, c.160m Tramway no longer shown West: c.120m Corporation Cleansing

TABLE 3.1: SUMMARY OF HISTORICAL MAPPING		
Date Of Mapping	**On Site Land Use**	**Surrounding Areas Land Use**
		Garage Depot, 180m Engineering Works, c.200m Engineering Works, c.220m Chain Works no longer shown, c.250m Paint Factory
1949 1:2,500	Site remains unchanged	East: c.120m Ministry of Works Warehouse no longer shown, c.250m Hope Stationary Mills West: c.120m York Mill
1963 1:1,250	No map coverage	North: c.5m Residential developments no longer shown
1965 1;2,500	Mill Street Textile Engineering Works now labelled as Works	Mapping is limited with all surrounding works and mills simply labelled as 'Mill' or 'Works', or many industrial buildings no longer labelled.
1968 1:1,250	No map coverage	North: c.5m New residential development
1969 1:2,500	Rectory no longer shown on site	East: c.10m Terrace housing no longer present
1978 1:2,500 Limited coverage	Yard shown on site in place of Rectory	West: All engineering works and factories now shown as residential developments
1974-1979 1:1,250 Limited coverage	Site remains unchanged	South: c.100-150m Works and factories shown as Depots
1979-1983 1:1,250	Yard no longer shown on site	South: c.100m Victoria Mills now labelled as Victoria Industrial Estate West: c.250m Scrap Yard
1985-1989 1:1,250	Site remains unchanged	West: c.120m York Mill now shown as car park
2001 1:10,000	Site remains unchanged	Many works and factories in the surrounding area no longer labelled and likely disused. More commercial developments in the surrounding area including schools (East c.250m, West c.300m) and Central Retail Park c.250m west. Road network improvements surrounding the site.
2010 1:10,000	Works no longer shown on site.	Industrial developments south of the site no longer shown, with further residential developments shown to the south and east. The Ashton Canal Islington branch is shown to the west of the site.
2015 1:10,000	Site remains unchanged	Area around the site remains unchanged

TABLE 3.1: SUMMARY OF HISTORICAL MAPPING		
Date Of Mapping	**On Site Land Use**	**Surrounding Areas Land Use**
2025 1:10,000	Brick building in the corner northwest corner of site not shown.	New developments c.50m west. Central Retail Park c.250m west is no longer shown.
Present Day	Site comprises gravel hardcore car parking.	Site is surrounded by residential developments, with the Metrolink line between Picadilly station and Holt town stop running approximately east-west c.160m south of the site.

3.4 Summary

3.4.1 Historical OS mapping provided in the Groundsure report shows the site was undeveloped grassland until 1891 when the site was developed into a rectory and Machine works, with terrace house outbuildings across the sites eastern border. By 1931-1932 mapping, the Machine Works is shown as Mill Street Textile Engineering Works, which are shown on site until 2010. The rectory was present until 1969, when it is shown to have been replaced by a yard until 1983. In 2015 Google satellite imagery shows the site to have been utilised as a compound with storage containers. In 2026, Google Satellite imagery shows the site is now a hard gravel car park with access from Lampwick Lane to the south. The storage containers have since been removed.

3.5 Invasive Species

3.5.1 The Wildlife and Countryside Act, 1981 contains measures for preventing the establishment of non-native species, including ‘invasive’ plants which may be detrimental to native wildlife, prohibiting the release of animals and planting of plants listed in Schedule 9 in England and Wales. Japanese Knotweed, Himalayan Balsam and Giant Hogweed can become aggressively dominant, and persistent. Giant Hogweed poses certain health risks and Japanese Knotweed can cause physical damage to pavements and structures.

3.5.2 Invasive plant species were not identified on site during the site walkover. However, it should be noted that the survey was not specifically for ecological purposes and was not undertaken by a trained Ecologist. It is therefore recommended that the presence of invasive species at the Site is assessed by an experienced Ecologist during the growing season.

3.6 Asbestos

3.6.1 The Health and Safety at Work Act, Control of Asbestos Regulations and Construction (Design and Management) Regulations impose duties upon employers, site owners, their agents and contractors in respect of hazardous materials including asbestos. Other health and safety and welfare regulations place duties on employers to undertake appropriate risk assessments. This could include the commissioning of surveys, identification and management of hazardous materials including any proposals for remedial work.

3.6.2 Given the historical details and observations noted during the site visit it is considered that asbestos is unlikely to be present in infrastructure on the site but could be present in the made ground at the site associated with past historical use. Any works undertaken in areas where asbestos is known or suspected to be present should be done in accordance with the Control of Asbestos Regulations (2012).

4.0 Geological and Hydrogeological Setting

4.1 Geology

4.1.1 The assessment of the geology of the site is based on the published geological mapping (geological maps referenced in section 1.6) supplemented by the geological memoir, BGS GeoIndex, the BGS Lexicon of Named Rock Units and published and unpublished information held by WA. This information has been supplemented by information contained within the Groundsure report.

4.2 Made Ground

4.2.1 Made ground is not reported across the site, however gravel hardcore was observed across the site during the site walkover. Made ground is suspected to be present across the site due to the previous site history.

4.3 Natural Superficial Deposits

4.3.1 The BGS records the Site to be underlain by Devensian Diamicton Glacial Till. The Groundsure report records the superficial till deposits as of low to high permeability with a mixed flow type.

4.4 Solid Geology

4.4.1 The BGS records the site to be underlain by the Manchester Marls Formation mudstone, with the Collyhurst Sandstone Formation sandstone encroaching onto the sites eastern border. The Groundsure report records mudstone bedrock as of low permeability with a fracture-type flow type, and the sandstone bedrock as of high permeability with an intergranular-type flow type.

4.5 Faults

4.5.1 The Groundsure report infers the presence of a bedrock fault running northwest to southeast that terminates 425m north of the site.

4.6 Dissolution

4.6.1 The Groundsure report indicates that there is negligible risk of ground dissolution within 500m of the site. There are no recorded natural cavities as a result of dissolution within 500m of the site.

4.7 BGS Borehole Records

4.7.1 The nearest BGS borehole is a trial pit conducted c.60m south of the site (Ref: SJ89NE2364) and reports the ground conditions to comprise made

ground of tarmac, red bricks and dark brown to black fine to coarse sand with black medium to coarse subangular gravel of sandstone with large subangular to angular stone bricks up to 0.5m bgl. This is underlain by firm dark brown to black clay with yellow staining leaching and very stiff light brown mottled grey/black sandy clay labelled as possible made ground to 3.0m bgl. The location of the BGS Borehole logs within 250m of the site is shown in the Groundsure report attached as Appendix B.

4.8 Hydrogeology

4.8.1 Hydrogeological information provided in the Groundsure report indicates the site is underlain by a Secondary Undifferentiated superficial aquifer. The underlying solid strata of the Manchester Marls Formation is designated a Secondary B aquifer of low permeability fracture flow. The Collyhurst Sandstone Formation underlying the east of the site is designated a Principal bedrock aquifer of high permeability intergranular flow.

4.8.2 Secondary Undifferentiated aquifers typically have variable characteristics and may be identified as Secondary A or B aquifers (minor or non-aquifers).

4.8.3 Secondary B aquifers are generally regarded as containing limited quantities of groundwater. Groundwater flow through such rocks, although imperceptible, does take place and needs to be considered in assessing the risk associated with persistent pollutants.

4.8.4 Principal aquifers are highly permeable formations usually with a known or probable presence of significant fracturing. They are usually highly productive, strategic reserves able to support large abstractions, public water supply and river base flow.

4.8.5 The Groundsure report has identified the site to lie in an area where solution features that enable rapid movement of a pollutant may be present. The Groundsure report states that significant soluble rocks are likely to be present, however problems are unlikely except with considerable surface or subsurface water flow. The percentage of the sites 1km grid square covered by the maximum soluble rock risk is designated as 2.0%.

4.8.6 There are no groundwater, surface water or potable water abstraction licences or Source Protection Zones within 500m of the site. It is stated within the Groundsure report that the site lies within an area that is considered to be at a low risk of groundwater flooding.



4.9 Hydrology

4.9.1 The Ashton Canal runs east-west c.62m southeast of the site containing several locks, and the Rochdale Canal runs east-west c.350m north of the site. The Islington branch of the Ashton Canal is 220m west of the site connecting the Ashton and Rochdale Canals. The Water Framework Directive have assigned the Ashton Canal (Ref: GB1210219) a 'fail' chemical rating and an ecological rating of moderate.

4.9.2 The site is located within the 'Medlock (Lumb Brook to Irwell) water body catchment (Ref: GB112069061152) which has been assigned a 'fail' chemical rating and ecological rating of moderate by the EA.

4.9.3 The 'Manchester and East Cheshire Permo-Triassic Sandstone Aquifers' (Ref: GB41201G101100) aquifer is recorded as being present on site and has been assigned a poor chemical rating and quantitative poor rating by the EA.

4.10 Flooding

4.10.1 The Ambient Risk analytics FloodMap contained within the Groundsure report classifies the site as having a negligible surface water flood risk.

4.10.2 The Groundsure report states that the site does not lie within an Environment Agency Flood Zone 2 or 3 Area.

4.10.3 The flood maps available on the UK government website show the predicted likelihood of flooding in an area in the context of current and proposed land use considered in development planning. The site lies within an Environment Agency Flood Zone 1 with a low probability of flooding from rivers or surface water.

4.10.4 The Groundsure report has identified no areas benefitting from flood defences, flood storage areas, or historical flood events occurring within 250m of the site.

4.10.5 The Site is located outside of a groundwater flood alert area and the risk of groundwater flooding at the Site is low.

5.0 Mining and Quarrying

5.1 General

5.1.1 The Site is located within a coal mining reporting area as defined by the Coal Authority. Research of the mining setting is based on examination of the Groundsure report as well as a Consultants Coal Mining Report, published topographical and geological information along with other mining archive information. The Consultants Coal Mining Report is presented in full in Appendix D.

5.2 Surface Workings

5.2.1 The Groundsure report, Coal Authority report and research of topographical, geological and other archive mining records has indicated no evidence of surface extraction including quarries, pits, or workings within 250m of the site.

5.2.2 The Groundsure report has identified 21No. surface workings within 250m of the site relating to canals, wharfs and waterbodies.

5.3 Underground Workings

5.3.1 The Consultants Coal Mining Report records 4No. coal seams worked beneath the site, as summarised in Table 5.1 below. Full details of underground coal mining at the site is contained within the Consultants Coal Mining Report in Appendix D.

TABLE 5.1: PAST UNDERGROUND MINING

Seam	Depth (m)	Extraction Thickness (cm)	Year Last Mined
Bradford Four feet	345	120	1900
	386	120	1900
Parker	681	80	1935
Roger	983	180	1958
	1049	180	1961
	1093	180	1958
Crombouke	1029	120	1932
	1064	120	1947

5.3.9 The site is not located within a Development High Risk Area as designated by the Coal Authority. Due to the age and depth of the recorded underground

workings at the site, as well as the extraction thickness at the seams, the risk of ground instability or subsidence occurring at the site as a result of underground mining is considered to be low.

5.4 Mine Entries

5.4.1 The Consultants Coal Mining Report indicates that there are no recorded mine shafts on or within 100m of the site boundary. However, it did not become a statutory requirement to maintain and preserve plans of abandoned mines until 1872. Mine workings are known to have been carried out in Manchester before this date, therefore the possibility that unrecorded mine entries may be present beneath the site cannot be discounted.

5.4.2 If during any future works at the site a feature is discovered which may represent an unrecorded mine entry, such as circular brickwork or anomalous areas of fill/timber, it should be reported, investigated and acted upon as necessary.

5.5 Coal Mine Gas

5.5.1 Examination of the mining and geological information indicates that it is unlikely given the depth of the coal mining, and overlying superficial glacial till deposits, that gases migrating from now abandoned coal mine workings may affect the site..

5.6 Mining Remedial Activity

5.6.1 The Consultants Coal Mining Report indicates that there are no remediated sites within 50m of the Site. The Coal Authority has not received a damage notice for the Site or any site within 50m relating to coal mining subsidence. Presence of mine gas or mine water treatment schemes have not been recorded within 500m of the Site.

5.7 Non-Coal Mining

5.7.1 The Groundsure report highlights sporadic underground mining of restricted extent may have occurred at a vein mineral located 307m north of the site, and underground mining of limestone occurring 411m east of the site. Potential for difficult ground conditions are unlikely and localised and are at a level where they need not be considered.

6.0 Environmental Setting and Consultation

6.1 Statutory Consultations

6.1.1 Environmental data on land uses and land quality within a 1km radius of the Site have been reviewed. The environmental data recorded within 250 metres of the Site is described below, along with the significant event or activities at a greater distance, if considered to be relevant.

6.1.2 Information from various statutory sources has been summarised from the Groundsure report (Appendix B). The environmental setting helps to determine the likelihood of ground contamination at the site.

6.2 Planning Portal

6.2.1 Manchester City Council Planning Portal has been reviewed for planning permissions on the Site.

6.2.2 Several approved planning applications have previously been submitted for the site of interest on Old Mill Street including:

- 111605/FO/2016/N2 (approved)
- 120837/FO/2018 (withdrawn)
- 138763/FO/2023 (approved)

6.3 Contaminated Land Register Entries and Notices

6.3.1 The Site or an area within 500m of the Site has not been identified as potentially contaminated by the Local Authority under the Part IIA of the Environmental Protection Act 1990.

6.4 Industrial Land Use

6.4.1 The Groundsure report has identified multiple potentially contaminative historical land uses from historical OS mapping relating to the Site's former uses between 1891 and 1991. Land uses include various works and a hospital. Within 500m of the site, potential contaminative historical land uses include hospitals, mills, wharfs, works, warehouses, tanks, yards, canals, stores and factories. Full details on historical industrial land uses around the site can be found in the Groundsure report in Appendix B.

6.4.2 No historical tanks have been recorded on the site. The Groundsure report shows 46No. historical tanks within 500m of the site.

6.4.3 No historical energy features have been recorded on the site. The Groundsure report shows 37 historical energy features within 500m of the site. These are either electricity substations or hydraulic power stations.

6.4.4 No historical petrol stations or garages have been recorded on the site. The Groundsure report shows 34No. historical garages within 500m of the site.

6.4.5 No historical military land is recorded within 500m of the site.

6.5 Waste Management

6.5.1 From the information examine there are no recorded active or historic landfill sites within potential influencing distance of the site boundary.

6.5.2 The Groundsure report has identified several historical waste sites within 500m of the site relating to Wastepaper Works and Scrap Yards, the closest of which was located 74-89m south/southeast of the site as identified on historical maps from 1931-1948. Full details on waste management activities within influencing distance of the site are included within the Groundsure report attached as Appendix B.

6.5.3 There are several Waste exemptions within 500m of the site, the closest of which is located 9m northeast of the site at Ancoats Dental Practice for sorting and de-naturing of controlled drugs for disposal.

6.6 Discharge Consents

6.6.1 There are several Licensed Discharges to controlled waters within 500m of the site. The closest license to the site is a historic license for Soho Water Works located 148m southwest of the site for miscellaneous discharges into the Ashton Canal, revoked in 1991.

6.7 Licensed Pollutant Release (Part A(2)/B)

6.7.1 There are six Licensed pollutant releases (Part A(2)/B) within 500m of the site, however all but one are all historic permits the closest of which is located 249m northeast at Phoenix Mill for Di-isocyanate processes. The current permit relates to Central Taxi Spares Ltd located 500m southwest of the site relating to waste oil burner processes.

6.8 Pollution Incidents

6.8.1 There are several recorded EA/NRW Pollution Incidents within 500m of the site. The closest of which occurred 98m southeast of the site in 2002 and

resulted in a Category 3 (minor) impact to land resulting from pollution of commercial waste and construction and demolition waste. One pollution incident located 372m northeast of the site resulted in a Category 2 (significant) impact to land, resulting from pollution of construction and demolition wastes and household wastes dated 2019.

6.9 Radon Gas

6.9.1 UKHSA and BGS radon maps and information provided in the Groundsure report have been consulted to assess radon levels across the site.

6.9.2 The site is located in an area where less than 1% of homes are above the action level and therefore there is no requirement for radon protection measures.

6.10 Green Belt

6.10.1 There are no Green Belt areas withing 2km of the site.

6.11 Listed Building

6.11.1 There are several listed buildings located within 250m of the site, the closest of which is located 18m southwest of the site recorded at Ardwick and Ancoats Hospital. This building is listed as Grade II. Full details on the listed buildings within 250m of the site are included within the Groundsure report attached as Appendix B.

6.11.2 The Heritage Report carried out by WA dated June 2023 should be consulted for further information on heritage at the site.

6.12 Scheduled Ancient Monuments

6.12.1 There are no recorded scheduled ancient monuments within 500m of the Site.

6.13 Regulated Explosive Sites

6.13.1 There are no recorded regulated explosive sites within 500m of the site.

6.14 Regional Unexploded Ordnance Bomb Risk

6.14.1 A Zetica Unexploded Bomb (UXB) risk map for the site has been reviewed. The area is indicated as having a bombing density of 15 to 49 bombs per 1000 acres and is therefore designated as a moderate risk area. The risk map is attached as Appendix E.

6.14.2 A Pre-Desk-Study Assessment was prepared by Zetica to further assess the risk of Unexploded Ordinance at the site (Attached as Appendix F). It is considered unlikely that the site was subject to bombing and a detailed risk assessment, whilst always prudent, is not considered essential in this case.

7.0 Hazard Identification and Preliminary Conceptual Site Model

7.1 Methodology

7.1.1 Environment Agency guidance (Land Contamination Risk Management (LCRM)) provides advice on the approach for the assessment of contamination on a site. This approach includes the production of a Conceptual Site Model (CSM) depicting the environmental processes that occur on and in the vicinity of the site and identifying the potential pollution linkages. The assessment of the significance of these pollution linkages can then be carried out through the risk assessment process.

7.1.2 The production of the CSM and the assessment of the associated risk is based upon the identification of the possible sources of contamination ("the sources"), the identification of who or what may be affected by the contaminants ("the receptors") and the possible pathways by which contaminants may migrate to one or more of the receptors ("the pathways").

7.1.3 The results of the Preliminary Risk Assessment and site walkover have been used to identify the potential sources, pathways and receptors that exist on the Site and an assessment of the significance of these potential pollution linkages has been made using the risk assessment ratings.

7.2 Site Sensitivity

7.2.1 The Site sensitivity is considered to be low to moderate based on the following:

- The site is currently used for vehicle parking;
- The site is in an area affected by coal mining;
- Secondary Undifferentiated superficial aquifer and Secondary B and Principal bedrock aquifers underlying the site;
- The nearest surface water feature is Ashton Canal located 62m southeast of the site;
- The site is not within a Source Protection Zone (SPZ); and,
- There are no recorded groundwater abstractions within 500m of the site.

7.3 Potential Sources of Contamination

7.3.1 The following potential contamination sources have been identified and are considered in the CSM:

On-Site

- Made Ground associated with gravel hardcore observed during the site walkover;
- Made Ground associated with historical site use;
- Electrical substation on site;
- Ground gas associated with on and off site made ground;
- Ground gas associated with underground coal mining; and
- Historical industrial site use.

Off-Site

- Made Ground associated with historical/current industrial/commercial land use adjacent to the site.

7.4 Potential Pathways

7.4.1 The following potential pathways have been identified;

- Inhalation, ingestion, or dermal contact with soil bound contaminants and dust;
- Inhalation of vapours associated with volatile contaminants;
- Migration of ground gases and vapours into buildings causing explosion or asphyxiation risk;
- Leaching of contamination into soils;
- Leaching of contamination into groundwater and migration into the wider water environment or surface waters; and,
- Plant uptake.

7.5 Potential Receptors

7.5.1 The following potential receptors to contamination have been identified;

- Human health – future site users and construction workers;
- Human health – adjacent site users;
- Surface water – Ashton and Rochdale Canals;
- Groundwater – Secondary Undifferentiated superficial aquifer and Secondary A bedrock aquifer;
- Vegetation; and,
- Buildings, infrastructure and utilities.

7.6 Preliminary Conceptual Site Model

7.6.1 Table 7.1 summarises the conceptual site model and potential pollution linkages.

TABLE 7.1: CONCEPTUAL SITE MODEL & POTENTIAL POLLUTANT LINKAGES

SOURCE (CONTAMINANT)	PATHWAY	RECEPTOR
Made Ground associated with gravel hardcore observed on site during site walkover	1. Inhalation 2. Dermal contact 3. Ingestion 4. Surface runoff/overland flow 5. Groundwater migration 6. Direct contact (aggressive attack) 7. Gas migration	1. Future occupiers 2. Construction workers 3. Groundwater 4. Surface water 5. Building materials (substructure) 6. Water supply pipes 7. Flora and fauna
Made Ground associated with historical site use.	1. Inhalation 2. Dermal contact 3. Ingestion 4. Surface runoff/overland flow 5. Groundwater migration 6. Direct contact (aggressive attack) 7. Gas migration	1. Future occupiers 2. Construction workers 3. Groundwater 4. Surface water 5. Building materials (substructure) 6. Water supply pipes 7. Flora and fauna
Electrical substation on site.	1. Inhalation 2. Dermal contact 3. Ingestion 4. Surface runoff/overland flow 5. Groundwater migration 6. Direct contact (aggressive attack) 7. Gas migration	1. Future occupiers 2. Construction workers 3. Groundwater 4. Surface water 5. Building materials (substructure) 6. Water supply pipes 7. Flora and fauna
Ground gas associated with on and off site made ground.	1. Inhalation 2. Direct contact (aggressive attack) 3. Gas migration	1. Future occupiers 2. Construction workers
Ground gas associated with underground coal mining.	1. Inhalation 2. Direct contact (aggressive attack) 3. Gas migration	1. Future occupiers 2. Construction workers

TABLE 7.1: CONCEPTUAL SITE MODEL & POTENTIAL POLLUTANT LINKAGES		
SOURCE (CONTAMINANT)	**PATHWAY**	**RECEPTOR**
Historic industrial land use including a machine works and textile engineering works.	1. Inhalation 2. Dermal contact 3. Ingestion 4. Surface runoff/overland flow 5. Groundwater migration 6. Direct contact (aggressive attack) 7. Gas migration	1. Future occupiers 2. Construction workers 3. Groundwater 4. Surface water 5. Building materials 6. Water supply pipes 7. Flora and fauna
Made Ground associated with historical land use of surrounding area.	8. Inhalation 9. Dermal contact 10. Ingestion 11. Surface runoff/overland flow 12. Groundwater migration 13. Direct contact (aggressive attack) 1. Gas migration	8. Future occupiers 9. Construction workers 10. Groundwater 11. Surface water 12. Building materials (substructure) 13. Water supply pipes 1. Flora and fauna

8.0 Preliminary Environmental Risk Assessment

8.1 Introduction

8.1.1 In line with EA Land Contamination Risk Management (LCRM) guidance the information gathered throughout this report can be used to carry out a Preliminary Risk Assessment. The Risk Assessment is provided for each identified source, pathway, receptor linkage in Table 8.1 overleaf.

8.2 Climate Change

8.2.1 As part of this risk assessment, SLR has considered the likely changes from the current known baseline that are to occur at the Site during the project lifespan as a result of climate change. Climate models indicate that there will be an increase in extreme weather events, such as heatwaves and floods, as well as changes to the hydrological cycle, with the resulting impacts of drier summers and shorter wetter winters.

8.2.2 There may be several effects of climate change on ground and groundwater conditions such as; mobilising contaminants or increase in off-site transport, altering the nature of contaminants, undermining structures through erosion or soil volume changes, degrading land quality by causing subsidence or landslides, encouraging wildfires, and/or altering the biodiversity. It is important that potential future changes in site condition are assessed and considered when managing sites scheduled for development. The changes that may occur as a result of climate change and considered to affect the Site are outlined in the Table 8.2 below.

TABLE 8.2 CLIMATE CHANGE EFFECTS

Change	Effect	Impact
Hotter summers	Loss of vegetation	Increased dust generation
	Spontaneous combustion of colliery spoil	Increased heat and ground gas emissions
Increased duration of dry spells	Loss of vegetation	Exposure of soils leading to desiccation of soils and dust generation
	Desiccation of soils	Migration of airborne contaminants.

TABLE 8.2 CLIMATE CHANGE EFFECTS		
Increased intensity of storms	Increased rainfall	Increased risk of flooding Increased risk of leaching of contamination
	Increased wind intensity	Removal or uprooting of flora, increasing exposed soils. Air ingress into colliery spoil materials leading to increased risk of heating/burning

8.2.3 The primary impact from climate change effects at the site is the exposure of soils with the potential to contain contaminants. The soils can be exposed through the loss of vegetation leading to dust generation, or uprooting of vegetation planted in contaminated soils.

8.2.4 A site investigation and quantitative risk assessment will be able to provide additional information pertinent to these impacts, with subsequent assessments undertaken considering the concentrations of contaminants in the proposed near surface soils. If any elevated concentrations are present, mitigation should be suitably designed.

TABLE 8.1: PRELIMINARY QUALITATIVE RISK ASSESSMENT				
SOURCE / CONTAMINANT	**PATHWAY(S)**	**RECEPTOR**	**RISK CLASSIFICATION**	**NECESSARY ACTIONS / COMMENTARY**
Made Ground associated with associated with historical site use and gravel hardcore observed on site during site walkover.	Inhalation, Dermal Contact, Ingestion, Migration via drains and services	Future occupiers, construction workers.	Moderate	Made ground and Infilled ground were observed across the site in the form of gravel hardcore. Given the site history and demolition of previous buildings, made ground is conjectured likely to be present beneath the site. The nature of these deposits is currently unknown and therefore, there is potential for it to present a risk to human health and the surrounding environment. It is recommended that an intrusive investigation is undertaken in order to determine the nature and composition of the near surface deposits.
	Surface water runoff, migration via drains and groundwater migration	Canals, Secondary Undifferentiated superficial Aquifer and Secondary B and adjacent Principal bedrock aquifers beneath the Site	Moderate/Low	
	Direct contact (aggressive attack)	Future buildings and water pipes	Moderate/Low	
Electrical substation on site.	Inhalation, Dermal Contact, Ingestion, Migration via drains and services	Future occupiers, construction workers.	Moderate/Low	An electrical substation located on site may provide a source of contamination.

TABLE 8.1: PRELIMINARY QUALITATIVE RISK ASSESSMENT				
SOURCE / CONTAMINANT	**PATHWAY(S)**	**RECEPTOR**	**RISK CLASSIFICATION**	**NECESSARY ACTIONS / COMMENTARY**
	Surface water runoff, migration via drains and groundwater migration	Canals, Secondary Undifferentiated superficial Aquifer and Secondary B and adjacent Principal bedrock aquifers beneath the Site	Moderate/Low	It is recommended that an intrusive investigation is undertaken in order to determine the impact on the near surface deposits.
	Direct contact (aggressive attack)	Future buildings and water pipes	Moderate/Low	
Ground gas associated with on and off site made ground.	Inhalation, Ingestion, Migration via underground drains and services	Future occupiers, construction workers.	Moderate	Made ground observed during the site walkover and conjectured to be present on site from historical land use may provide a source of ground gas. It is recommended that a ground gas assessment following a period of monitoring is carried out to support any future design.

TABLE 8.1: PRELIMINARY QUALITATIVE RISK ASSESSMENT				
SOURCE / CONTAMINANT	**PATHWAY(S)**	**RECEPTOR**	**RISK CLASSIFICATION**	**NECESSARY ACTIONS / COMMENTARY**
Ground gas associated with underground coal mining	Inhalation, Dermal Contact, Ingestion, Migration via drains and services	Future occupiers, construction workers.	Moderate/Low	Abandoned coal workings recorded by the Coal Authority to be resent beneath the site may provide a source of ground gas. The risk of mine gas at the site is considered to be low given the depth of the recorded workings and the thickness of superficial glacial till at the site. It is recommended that a ground gas assessment following a period of monitoring is carried out to support any future design.
Historic industrial land use including a machine works and textile engineering works.	Inhalation, Dermal Contact, Ingestion, Migration via drains and services	Future occupiers, construction workers.	Moderate	The historic industrial site use may provide a source of contamination. It is recommended that an intrusive investigation is undertaken in order to determine the impact on the near surface deposits.

TABLE 8.1: PRELIMINARY QUALITATIVE RISK ASSESSMENT				
SOURCE / CONTAMINANT	**PATHWAY(S)**	**RECEPTOR**	**RISK CLASSIFICATION**	**NECESSARY ACTIONS / COMMENTARY**
	Surface water runoff, migration via drains and groundwater migration	Canals, Secondary Undifferentiated superficial Aquifer and Secondary B and adjacent Principal bedrock aquifers beneath the Site	Moderate	
	Direct contact (aggressive attack)	Future buildings and water pipes	Moderate	

9.0 Preliminary Geotechnical Risk Assessment

9.1.1 Based on the available information summarised in this report the site is considered to present an overall Low to Moderate geotechnical risk.

9.1.2 Table 9.1 presents the Preliminary Geotechnical Risk Assessment for the site, noting potential constraints for the proposed development. This assessment is site specific and based on the information obtained from this desk study.

TABLE 9.1 - TABULATED PRELIMINARY GEOTECHNICAL RISK ASSESSMENT

RISK ITEM	DESCRIPTION	IMPLICATION/IMPACT	CONSIDERED RISK	DESIGN STAGE RECOMMENDATION
In-ground obstructions	Obstructions may be present from historical land-use	Obstructions can impact excavations and installations during below ground works	Moderate	A ground investigation should be undertaken including the recording of any obstruction locations and depths.
Unknown ground conditions	Limited geotechnical ground investigation records are available.	The ground could be unsuitable for development. Mitigative actions to improve the ground could be significant.	Moderate	A ground investigation should be undertaken including an assessment of the geotechnical parameters for the site.
Made ground	Made ground is observed on site in the form of gravel hardcore and is also conjectured to be present from historical industrial land use.	The nature and extent of these made ground deposits is unknown and the depth to bedrock on site is also unknown.	Moderate	A ground investigation should be undertaken to investigate the made ground on site. Samples should be taken and tested during any ground investigation works being undertaken at the site. Further

TABLE 9.1 - TABULATED PRELIMINARY GEOTECHNICAL RISK ASSESSMENT				
RISK ITEM	DESCRIPTION	IMPLICATION/IMPACT	CONSIDERED RISK	DESIGN STAGE RECOMMENDATION
				assessment should be undertaken as the design developed
Underground Coal Mining	The Coal Authority has identified historic underground deep coal mining beneath the site (345-1093m bgl).	Given the depth and age of the workings, any ground movement from deep underground coal mines is thought to have now ceased.	Low	N/A

9.1.3 Made ground can present variable strengths under loading and therefore it is unlikely the made ground would be suitable for any structural support associated with the proposed development. Site investigations will be required to confirm a suitable founding strata, but it is likely that foundations will need to be extended beneath made ground deposits and founded in more competent strata.

9.1.4 Given the anticipated ground conditions, the potential for excessive total and differential settlement of the proposed development (roadways, drainage, external areas) should be considered at the detailed design stage. The structural loads associated with proposed structures may need to be founded in competent strata as it is unlikely that made ground will be a suitable founding strata.

9.1.5 A detailed ground investigation is required to determine the ground conditions on site. Further to this, some remedial measures may be necessary depending on the nature and extent of made ground beneath the site.

10.0 Conclusions and Recommendations

10.1 General

10.1.1 A Phase 1 Preliminary Risk Assessment has been undertaken to assess the potential geo-environmental risks that are likely to be associated with the proposed redevelopment of the site. A preliminary risk assessment has been carried out based on the source-pathway-receptor model as defined in Part IIA of the Environmental Protection Act, CLR11 and in accordance with BS10175:2011+A2:2017 “Investigation of Potentially Contaminated Sites – Code of Practice”.

10.1.2 Based on available information summarised in this report, the ground conditions beneath the site are considered to present an overall low to moderate geo-environmental and geotechnical risk to the proposed development.

10.1.3 There are potential environmental constraints that need to be fully investigated to assess their impact on current site users and other receptors.

10.2 Conclusion and Recommendations

10.2.1 Based on the findings of this Phase 1 Assessment, it is recommended that a detailed investigation of the ground conditions be carried out. This investigation would allow understanding of any Made Ground deposits directly underlying the site, as well as the deeper natural lithologies. It would also allow for geotechnical investigation. This investigation will enable any risks to human health or controlled waters to be assessed.

10.2.2 It is recommended that a Phase 2 Ground Investigation is carried out at the site to determine the geological/geotechnical conditions on site, and the potential for contamination. The preliminary objectives that the ground investigation are presented in Table 10.1 below.

TABLE 10.1 PRELIMINARY GROUND INVESTIGATION OBJECTIVES

Geo-Environmental Objectives	Geotechnical Objectives
• To reduce uncertainty in knowledge of the site, enabling the initial conceptual model to be refined and a reassessment of risk; • Target sampling and chemical testing across the site; • Provide sufficient information to target further ground investigation or design a	• To reduce uncertainty in knowledge of the site, enabling review of the Geotechnical Risk Assessment; • To identify the nature and parameters of the made ground, ground strata, and groundwater;

TABLE 10.1 PRELIMINARY GROUND INVESTIGATION OBJECTIVES	
Geo-Environmental Objectives	**Geotechnical Objectives**
suitable remediation approach if required; and • Undertake groundwater and gas monitoring.	• Establish parameters prior to design of foundations, temporary and permanent works; • Provide sufficient information to target further ground investigation or design a suitable geotechnical design report if required; and • Locate, map and investigate and identify potential construction difficulties.

10.2.3 The list presented is not exhaustive and general investigation, sampling and testing across the site will be required to better understand the overall risk posed by the site.

10.2.4 Based on the available information, it is considered likely that an investigation of contamination issues at the site will be required. This is likely to include an intrusive investigation comprising of the following:

- A combination of trial pitting and cable percussive boreholes, and insitu and laboratory testing of made ground, groundwater and ground gas to target potential sources of contamination within and outside of the current site;
- A quantitative risk assessment to determine if significant contamination is present; and
- If significant contamination is identified, calculation of site-specific remedial targets, liaison with the regulators and remediation.

10.2.5 A geotechnical assessment should be undertaken to:

- Determine the type, strength and bearing characteristics of the made ground and underlying geology;
- Provide recommendations for a suitable and economic foundation solution for the development; and
- Provide recommendations with regard to any other geotechnical aspects pertaining to the development.

10.2.6 A programme of gas and groundwater monitoring is recommended following an intrusive investigation to assess the risk from ground and landfill gas at

the site.

10.2.7 The conclusions and recommendations presented are based on the information currently available on the proposed development of a residential apartment building comprising 41no. dwellings (Use Class C3), together with landscaping and associated works. If this is changes at any point in the future, the report and its conclusions should be reviewed.

10.3 Additional Comments

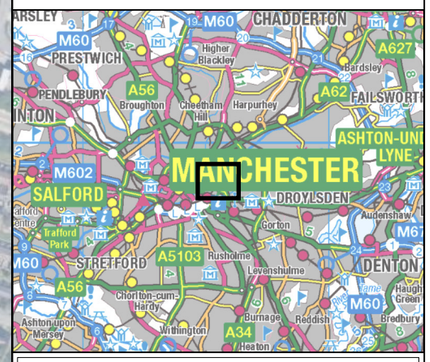
10.3.1 There may be matters relating to the Site that have not been identified by the research carried out to date. Such matters might either be identified by the further investigations recommended or come to light through other sources. Regardless of this, if any such matters do come to light, then they will need to be investigated and dealt with by seeking appropriate professional advice.

Appendix A Figure

385000
385500
386000
399000
398500
N
Butler Street
Old Mill Street
Merrill Street
Great Ancoats Street
Pollard Street
Palmerston Street
0
250
500
Metres

LEGEND

Site Boundary



Zentra Group plc

SLR

OLD MILL STREET

PHASE 1 PRELIMINARY RISK ASSESSMENT

SITE LOCATION

FIGURE 1

Scale 1:5,000 @ A3

Date SEPTEMBER 2026

440.021620.00001.0001.0 Site Location

© Crown copyright [and database rights] (2026) AC0000808122 OS OpenData.
Aerial Imagery (2023) Source: RGB Aerial Photography - © Bluesky International

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Appendix B Groundsure Report

Groundsure
LOCATION INTELLIGENCE

Enviro+Geo Insight

OLD MILL STREET, MANCHESTER, M4 6EE

Order Details

Date: 08/09/2026

Your ref: 440.021620.00001 Old Mill St

Our Ref: GS-FYL-IP6-KE6-317

Site Details

Location: 385485 398440

Area: 0.15 ha

Authority: Manchester City Council ↗

Site plan



Quick Links

Summary of findings p. 2 >

OS MasterMap site plan p.14 >

Aerial image p. 9 >

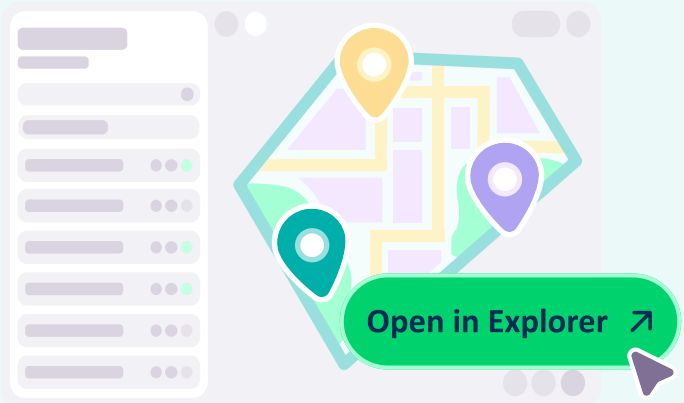
Insight User Guide ↗

Open this site in Explorer!

Access the data now in our interactive workspace.

- Map and interpret 130+ datasets across 170 years
- Generate insights and visuals quickly
- Revisit and collaborate with your team

Access to Groundsure Explorer requires an Insights account.
12 months access begins at purchase.



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

Certified B Corporation

Summary of findings

Page	Section	Past land use >	On site	0-50m	50-250m	250-500m	500-2000m
15 >	1.1 >	Historical industrial land uses >	5	10	41	102	-
21 >	1.2 >	Historical tanks >	0	2	21	23	-
23 >	1.3 >	Historical energy features >	0	0	10	27	-
25	1.4	Historical petrol stations	0	0	0	0	-
25 >	1.5 >	Historical garages >	0	0	7	27	-
27	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
28 >	2.1 >	Historical industrial land uses >	7	12	50	120	-
35 >	2.2 >	Historical tanks >	0	4	39	39	-
39 >	2.3 >	Historical energy features >	0	0	30	66	-
42	2.4	Historical petrol stations	0	0	0	0	-
43 >	2.5 >	Historical garages >	0	0	8	35	-
Page	Section	Waste and landfill >	On site	0-50m	50-250m	250-500m	500-2000m
45	3.1	Active or recent landfill	0	0	0	0	-
45	3.2	Historical landfill (BGS records)	0	0	0	0	-
46	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
46	3.4	Historical landfill (EA/NRW records)	0	0	0	0	-
46 >	3.5 >	Historical waste sites >	0	0	9	14	-
49	3.6	Licensed waste sites	0	0	0	0	-
49 >	3.7 >	Waste exemptions >	0	2	7	77	-
Page	Section	Current industrial land use >	On site	0-50m	50-250m	250-500m	500-2000m
58 >	4.1 >	Recent industrial land uses >	0	1	17	-	-
60	4.2	National Geographic Database (NGD) - Current or recent tanks	0	0	0	-	-
60	4.3	Current or recent petrol stations	0	0	0	0	-
60	4.4	Sites determined as Contaminated Land	0	0	0	0	-
60	4.5	Control of Major Accident Hazards (COMAH)	0	0	0	0	-

60	4.6	Regulated explosive sites	0	0	0	0	-
61	4.7	Hazardous substance storage/usage	0	0	0	0	-
61	4.8	Historical licensed industrial activities (IPC)	0	0	0	0	-
61 >	4.9 >	Licensed industrial activities (Part A(1)) >	0	0	0	1	-
61 >	4.10 >	Licensed pollutant release (Part A(2)/B) >	0	0	1	5	-
62	4.11	Radioactive Substance Authorisations	0	0	0	0	-
62 >	4.12 >	Licensed Discharges to controlled waters >	0	0	1	15	-
65	4.13	Pollutant release to surface waters (Red List)	0	0	0	0	-
65	4.14	Pollutant release to public sewer	0	0	0	0	-
65	4.15	List 1 Dangerous Substances	0	0	0	0	-
66	4.16	List 2 Dangerous Substances	0	0	0	0	-
66 >	4.17 >	Pollution Incidents (EA/NRW) >	0	0	15	5	-
68	4.18	Pollution inventory substances	0	0	0	0	-
69	4.19	Pollution inventory waste transfers	0	0	0	0	-
69	4.20	Pollution inventory radioactive waste	0	0	0	0	-

Page	Section	Hydrogeology >	On site	0-50m	50-250m	250-500m	500-2000m
70 >	5.1 >	Superficial aquifer >	Identified (within 500m)				
72 >	5.2 >	Bedrock aquifer >	Identified (within 500m)				
74 >	5.3 >	Groundwater vulnerability >	Identified (within 50m)				
75 >	5.4 >	Groundwater vulnerability- soluble rock risk >	Identified (within 0m)				
75	5.5	Groundwater vulnerability- local information	None (within 0m)				
76 >	5.6 >	Groundwater abstractions >	0	0	0	0	43
87	5.7	Surface water abstractions	0	0	0	0	0
87 >	5.8 >	Potable abstractions >	0	0	0	0	9
90	5.9	Source Protection Zones	0	0	0	0	-
90	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-

Page	Section	Hydrology >	On site	0-50m	50-250m	250-500m	500-2000m
91 >	6.1 >	Water Network (OS NGD) >	0	0	7	-	-
92 >	6.2 >	Surface water features >	0	1	3	-	-

92 >	6.3 >	WFD Surface water body catchments >	1	-	-	-	-
93 >	6.4 >	WFD Surface water bodies >	0	0	1	-	-
93 >	6.5 >	WFD Groundwater bodies >	1	-	-	-	-
Page	Section	River and coastal flooding	On site	0-50m	50-250m	250-500m	500-2000m
95	7.1	Risk of flooding from rivers and the sea	None (within 50m)				
95	7.2	Historical Flood Events	0	0	0	-	-
95	7.3	Flood Defences	0	0	0	-	-
96	7.4	Flood Storage Areas	0	0	0	-	-
97	7.5	Flood Zone 2	None (within 50m)				
97	7.6	Flood Zone 3	None (within 50m)				
Page	Section	Surface water flooding >					
98 >	8.1 >	Surface water flooding >	1 in 100 year, 0.1m - 0.3m (within 50m)				
Page	Section	Groundwater flooding >					
100 >	9.1 >	Groundwater flooding >	High (within 50m)				
Page	Section	Environmental designations	On site	0-50m	50-250m	250-500m	500-2000m
101	10.1	Sites of Special Scientific Interest (SSSI)	0	0	0	0	0
101	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
101	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
101	10.4	Special Protection Areas (SPA)	0	0	0	0	0
102	10.5	National Nature Reserves (NNR)	0	0	0	0	0
102	10.6	Local Nature Reserves (LNR)	0	0	0	0	0
102	10.7	Designated Ancient Woodland	0	0	0	0	0
102	10.8	Biosphere Reserves	0	0	0	0	0
103	10.9	Forest Parks	0	0	0	0	0
103	10.10	Marine Conservation Zones	0	0	0	0	0
103	10.11	Green Belt	0	0	0	0	0
103	10.12	Proposed Ramsar sites	0	0	0	0	0
103	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
104	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0

104	10.15	Nitrate Sensitive Areas	0	0	0	0	0
104 >	10.16 >	Nitrate Vulnerable Zones >	0	0	0	0	4
105 >	10.17 >	SSSI Impact Risk Zones >	1	-	-	-	-
106	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
107	11.1	World Heritage Sites	0	0	0	-	-
108	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
108	11.3	National Parks	0	0	0	-	-
108 >	11.4 >	Listed Buildings >	0	1	6	-	-
109	11.5	Conservation Areas	0	0	0	-	-
109	11.6	Scheduled Ancient Monuments	0	0	0	-	-
109	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	**Agricultural designations >**	On site	0-50m	50-250m	250-500m	500-2000m
110 >	12.1 >	Agricultural Land Classification >	Urban (within 250m)				
111	12.2	Open Access Land	0	0	0	-	-
111	12.3	Tree Felling Licences	0	0	0	-	-
111	12.4	Environmental Stewardship Schemes	0	0	0	-	-
111	12.5	Countryside Stewardship Schemes	0	0	0	-	-
Page	Section	**Habitat designations >**	On site	0-50m	50-250m	250-500m	500-2000m
112	13.1	Priority Habitat Inventory	0	0	0	-	-
112	13.2	Habitat Networks	0	0	0	-	-
113 >	13.3 >	Open Mosaic Habitat >	0	1	0	-	-
113	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
114 >	14.1 >	10k Availability >	Identified (within 500m)				
115 >	14.2 >	Artificial and made ground (10k) >	0	0	1	1	-
116 >	14.3 >	Superficial geology (10k) >	1	0	0	3	-
117	14.4	Landslip (10k)	0	0	0	0	-
118 >	14.5 >	Bedrock geology (10k) >	2	0	4	5	-

119 >	14.6 >	Bedrock faults and other linear features (10k) >	0	0	0	1	-
Page	Section	**Geology 1:50,000 scale** >	On site	0-50m	50-250m	250-500m	500-2000m
120 >	15.1 >	50k Availability >	Identified (within 500m)				
121 >	15.2 >	Artificial and made ground (50k) >	0	0	1	1	-
122	15.3	Artificial ground permeability (50k)	0	0	-	-	-
123 >	15.4 >	Superficial geology (50k) >	1	0	0	2	-
124 >	15.5 >	Superficial permeability (50k) >	Identified (within 50m)				
124	15.6	Landslip (50k)	0	0	0	0	-
124	15.7	Landslip permeability (50k)	None (within 50m)				
125 >	15.8 >	Bedrock geology (50k) >	2	0	4	2	-
126 >	15.9 >	Bedrock permeability (50k) >	Identified (within 50m)				
126 >	15.10 >	Bedrock faults and other linear features (50k) >	0	0	0	1	-
Page	Section	**Boreholes** >	On site	0-50m	50-250m	250-500m	500-2000m
127 >	16.1 >	BGS Boreholes >	0	0	42	-	-
Page	Section	**Natural ground subsidence** >					
131 >	17.1 >	Shrink swell clays >	Very low (within 50m)				
132 >	17.2 >	Running sands >	Very low (within 50m)				
133 >	17.3 >	Compressible deposits >	Negligible (within 50m)				
134 >	17.4 >	Collapsible deposits >	Very low (within 50m)				
135 >	17.5 >	Landslides >	Very low (within 50m)				
136 >	17.6 >	Ground dissolution of soluble rocks >	Negligible (within 50m)				
Page	Section	**Mining and ground workings** >	On site	0-50m	50-250m	250-500m	500-2000m
138 >	18.1 >	BritPits >	0	0	0	1	-
139 >	18.2 >	Surface ground workings >	0	2	19	-	-
140	18.3	Underground workings	0	0	0	0	0
140	18.4	Underground mining extents	0	0	0	0	-
140	18.5	Historical Mineral Planning Areas	0	0	0	0	-
141 >	18.6 >	Non-coal mining >	0	0	0	3	2
141 >	18.7 >	JPB mining areas >	Identified (within 0m)				

142	18.8	The Coal Authority non-coal mining	0	0	0	0	-
142	18.9	Researched mining	0	0	0	0	-
142	18.10	Mining record office plans	0	0	0	0	-
143	18.11	BGS mine plans	0	0	0	0	-
143 >	**18.12 >**	**Coal mining >**	Identified (within 0m)				
143	18.13	Brine areas	None (within 0m)				
143	18.14	Gypsum areas	None (within 0m)				
143	18.15	Tin mining	None (within 0m)				
144	18.16	Clay mining	None (within 0m)				
Page	Section	Ground cavities and sinkholes	On site	0-50m	50-250m	250-500m	500-2000m
145	19.1	Natural cavities	0	0	0	0	-
145	19.2	Mining cavities	0	0	0	0	0
145	19.3	Reported recent incidents	0	0	0	0	-
145	19.4	Historical incidents	0	0	0	0	-
Page	Section	**Radon >**					
147 >	**20.1 >**	**Radon >**	Less than 1% (within 0m)				
Page	Section	**Soil chemistry >**	On site	0-50m	50-250m	250-500m	500-2000m
149 >	**21.1 >**	**BGS Estimated Background Soil Chemistry >**	3	4	-	-	-
149 >	**21.2 >**	**BGS Estimated Urban Soil Chemistry >**	2	4	-	-	-
150	21.3	BGS Measured Urban Soil Chemistry	0	0	-	-	-
Page	Section	**Railway infrastructure and projects >**	On site	0-50m	50-250m	250-500m	500-2000m
151	22.1	Underground railways (London)	0	0	0	-	-
151	22.2	Underground railways (Non-London)	0	0	0	-	-
152	22.3	Railway tunnels	0	0	0	-	-
152 >	**22.4 >**	**Historical railway and tunnel features >**	0	0	1	-	-
152	22.5	Royal Mail tunnels	0	0	0	-	-
152	22.6	Historical railways	0	0	0	-	-
153 >	**22.7 >**	**Railways >**	0	0	11	-	-
153	22.8	Crossrail 2	0	0	0	0	-

153	22.9	HS2		0	0	0	0	-

Recent aerial photograph



Capture Date: 07/04/2023

Site Area: 0.15ha

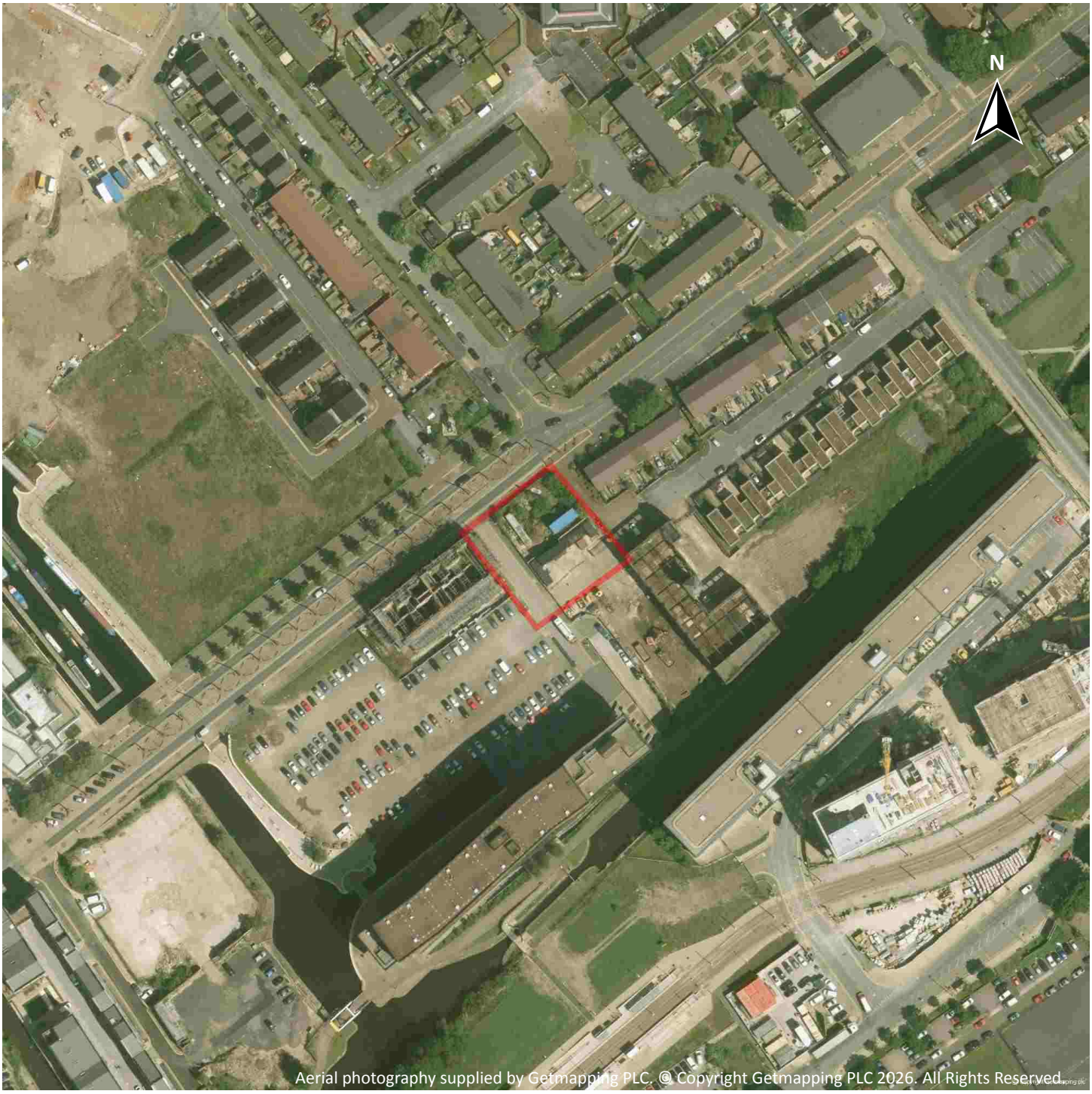
Recent site history - 2022 aerial photograph



Capture Date: 18/10/2022

Site Area: 0.15ha

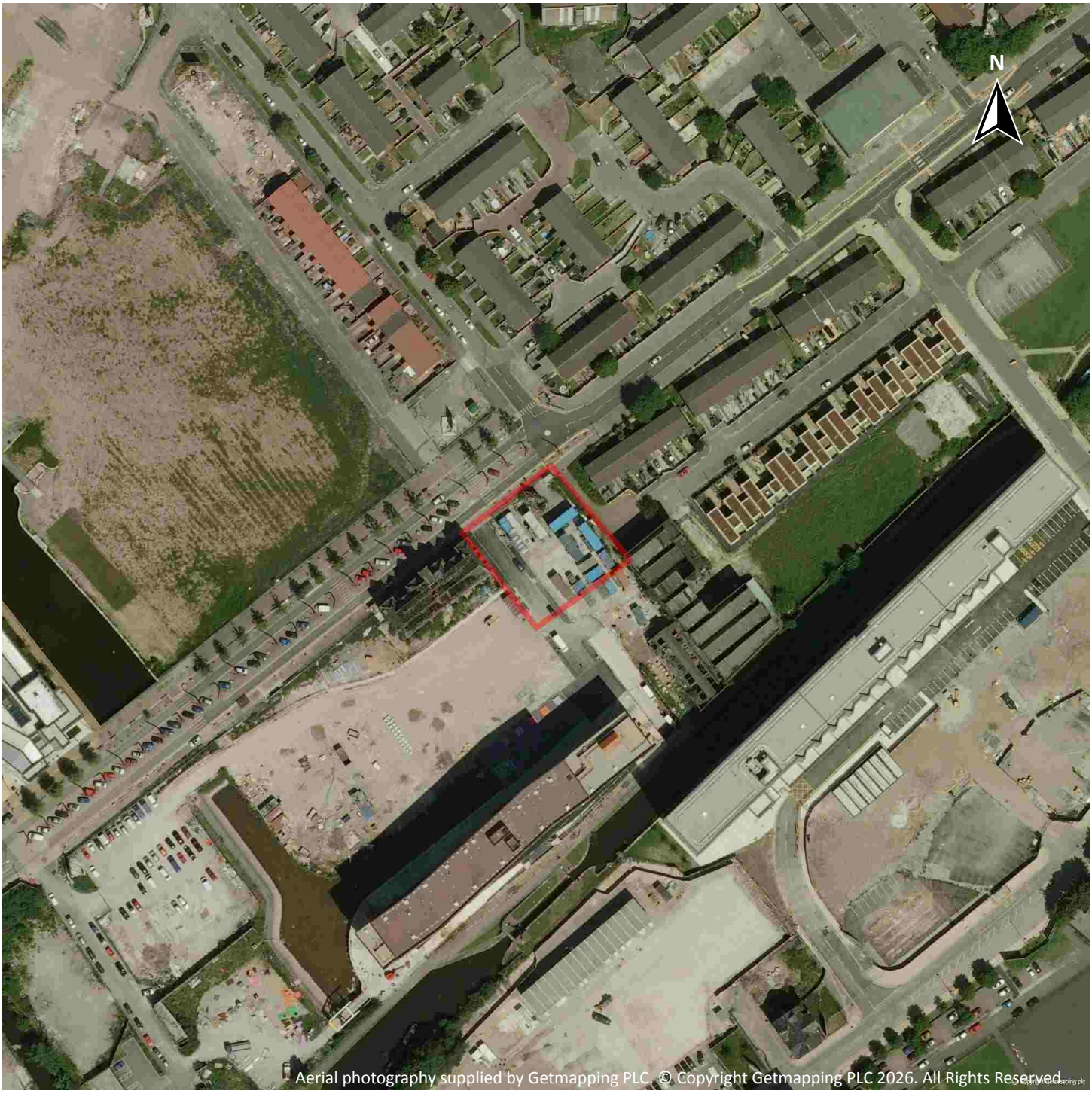
Recent site history - 2015 aerial photograph



Capture Date: 11/06/2015

Site Area: 0.15ha

Recent site history - 2009 aerial photograph



Capture Date: 02/06/2009

Site Area: 0.15ha

Recent site history - 2000 aerial photograph



Capture Date: 27/06/2000

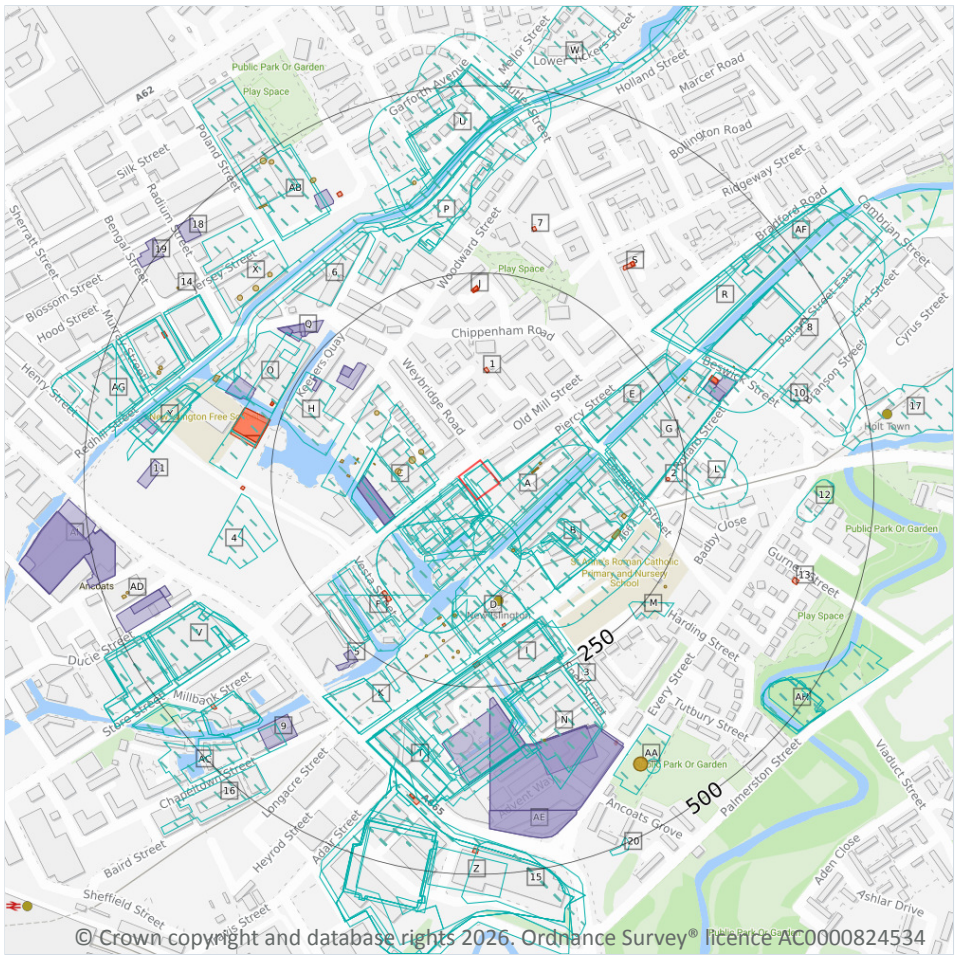
Site Area: 0.15ha

OS MasterMap site plan



Site Area: 0.15ha

1 Past land use



1.1 Historical industrial land uses

Records within 500m	158

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

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

ID	Location	Land use	Dates present	Group ID
A	**On site**	**Unspecified Commercial/Industrial**	**1933**	**822199**

ID	Location	Land use	Dates present	Group ID
A	**On site**	**Unspecified Works**	**1968**	**835812**
A	**On site**	**Hospital**	**1985 - 1991**	**914144**
A	**On site**	**Hospital**	**1891**	**948972**
A	**On site**	**Machine Works**	**1921 - 1923**	**989695**
A	1m SW	Hospital	1981	929059
A	2m SW	Hospital	1956 - 1968	875684
A	7m SW	Hospital	1921	981260
A	8m SW	Hospital	1923	976746
B	18m SE	Unspecified Mills	1938	967036
A	22m S	Unspecified Wharf	1906	934177
A	22m S	Unspecified Wharf	1921	956415
C	27m W	Unspecified Works	1968	835810
C	32m W	Unspecified Commercial/Industrial	1933	822576
C	32m W	Glass Works	1921 - 1923	882780
A	54m SW	Unspecified Tank	1923	851190
B	62m SE	Unspecified Mill	1981	971783
C	66m SW	Bedstead and Safe Works	1921 - 1923	965805
A	67m S	Unspecified Wharf	1923	862355
B	68m SE	Unspecified Mills	1933	900911
B	68m SE	Unspecified Mills	1921	948605
B	69m SE	Unspecified Mills	1956 - 1968	871130
B	71m SE	Unspecified Mills	1923	954241
B	81m SE	Industrial Estate	1985 - 1991	988277
D	89m S	Unspecified Mill	1923	990625
D	128m S	Unspecified Mill	1915	987895
D	134m S	Unspecified Depot	1985 - 1991	901820
E	135m NE	Unspecified Mill	1923	905481
E	138m NE	Unspecified Mill	1921	880291

ID	Location	Land use	Dates present	Group ID
E	138m NE	Unspecified Mill	1933 - 1938	917046
F	143m SW	Unspecified Works	1915	933042
G	146m E	Unspecified Commercial/Industrial	1923	896382
G	148m E	Unspecified Commercial/Industrial	1956	988807
D	150m S	Unspecified Tank	1915	867466
G	151m E	Unspecified Works	1968	835187
D	156m S	Unspecified Tank	1923	961860
D	160m S	Unspecified Works	1915 - 1923	989078
H	169m NW	Unspecified Works	1968	835811
F	178m SW	Unspecified Works	1968	914198
I	178m SE	Unspecified Works	1968	962739
D	179m SE	Unspecified Commercial/Industrial	1956	822577
D	182m SE	Vulcan Works	1915	861309
D	182m SE	Vulcan Works	1934 - 1938	875907
D	183m SE	Vulcan Works	1905	951970
D	185m SE	Vulcan Works	1923	923108
I	190m SE	Unspecified Works	1985 - 1991	907899
F	190m SW	Unspecified Works	1923	867940
D	208m S	Unspecified Warehouse	1968	979440
D	216m S	Unspecified Warehouse	1985 - 1991	862246
F	218m SW	Unspecified Wharf	1923	989472
F	226m SW	Unspecified Wharf	1915	880085
D	227m S	Unspecified Mills	1890	821886
K	236m SW	Corporation Yard	1923	1007635
L	236m E	Hospital	1985	934278
M	237m SE	Railway Building	1890	853275
L	246m E	Hospital	1956	910790
N	253m SE	Unspecified Workhouse	1915 - 1923	973325

ID	Location	Land use	Dates present	Group ID
3	255m SE	Unspecified Works	1923	835185
4	256m W	Unspecified Mill	1968	826244
O	258m NW	Unspecified Works	1968	835808
O	259m NW	Coal Wharf	1848	806625
P	269m NW	Sawmills	1923	958168
G	271m NE	Unspecified Mill	1938	873483
O	275m W	Unspecified Mill	1968	826243
K	282m SW	Corporation Yard	1934 - 1938	873940
K	282m SW	Corporation Yard	1915	886109
6	285m NW	Unspecified Works	1968	835822
R	285m NE	Unspecified Works	1923	910395
P	287m N	Sawmills	1921	919277
P	287m N	Sawmills	1933 - 1938	1004681
R	288m NE	Unspecified Works	1933 - 1938	976355
R	288m NE	Unspecified Works	1921	982368
G	300m NE	Unspecified Commercial/Industrial	1985 - 1991	982280
G	317m NE	Unspecified Mill	1923	1004081
R	318m NE	Unspecified Works	1968	908240
T	319m S	Unspecified Warehouse	1968	887297
U	320m N	Unspecified Commercial/Industrial	1938	872897
P	320m NW	Disused Canal	1991	912527
G	325m NE	Unspecified Works	1968	835186
8	327m NE	Brick Field	1848	806862
T	330m S	Grain Store	1915	924389
T	330m S	Grain Store	1905	861974
T	330m S	Grain Store	1923	936599
P	348m NW	Disused Canal	1985	2405895
U	348m N	Unspecified Mills	1921 - 1923	895248

ID	Location	Land use	Dates present	Group ID
V	353m SW	Unspecified Warehouse	1923	982458
W	353m N	Unspecified Commercial/Industrial	1956	960175
V	355m SW	Unspecified Disused Foundry	1890	817172
V	355m SW	Clothing Foundry	1905	848663
V	355m SW	Unspecified Warehouse	1934 - 1938	865630
V	355m SW	Unspecified Warehouse	1915	990840
X	360m NW	Glass Works	1848	821951
Y	361m W	Sawmill	1923	867433
Z	361m S	Railway Sidings	1956 - 1968	941272
Y	362m W	Sawmill	1933 - 1938	937957
Y	362m W	Sawmill	1921	942966
Y	365m NW	Unspecified Mills	1923	998815
Y	367m W	Unspecified Mill	1968	826242
U	368m N	Unspecified Commercial/Industrial	1933	867562
Y	369m NW	Unspecified Mills	1921	886371
Y	369m NW	Unspecified Mills	1933 - 1938	936942
Z	374m S	Railway Sidings	1934	879605
Z	374m S	Railway Sidings	1938	897593
Z	374m S	Railway Sidings	1915	915713
Z	374m S	Railway Sidings	1923	979823
Z	374m S	Railway Sidings	1905	982495
AA	377m SE	Grave Yard	1848	816673
U	380m N	Unspecified Works	1968	835161
AB	385m NW	Unspecified Works	1991	884198
AB	389m NW	Unspecified Works	1985	914823
G	389m NE	Unspecified Mill	1933	932675
G	389m NE	Unspecified Mill	1921	953986
Z	393m S	Goods Station	1956	942078

ID	Location	Land use	Dates present	Group ID
10	393m E	Police Station	1968	858791
Y	393m W	Unspecified Mill	1923	917793
Y	395m NW	Unspecified Works	1968	835807
Y	396m W	Unspecified Mill	1921	951348
Y	396m W	Unspecified Mill	1933 - 1938	953962
12	399m E	Tanks	1848	827408
AC	402m SW	Unspecified Works	1923	925927
T	404m S	Railway Building	1938	853833
Z	404m S	Railway Sidings	1890	955899
AC	406m SW	Unspecified Wharves	1923	872666
AC	409m SW	Unspecified Wharves	1934 - 1938	986826
AC	409m SW	Unspecified Wharves	1915	987136
X	410m NW	Unspecified Works	1968	835821
AA	417m SE	Unspecified Tank	1985 - 1991	986831
AF	430m NE	Unspecified Mill	1933 - 1938	864630
AF	430m NE	Unspecified Mill	1921	944902
AG	433m W	Unspecified Mills	1923	976462
AG	434m W	Unspecified Mills	1921	924519
AG	434m W	Unspecified Mills	1933 - 1938	976321
AB	439m NW	Unspecified Works	1968	967557
Z	445m S	Goods Station	1968	966704
Z	449m S	Goods Station	1923	921381
Z	449m S	Goods Station	1905	938425
AH	450m SE	Unspecified Works	1905	952174
AH	450m SE	Unspecified Works	1923	959523
Z	450m S	Goods Station	1915	938933
Z	450m S	Goods Station	1934 - 1938	970605
AH	450m SE	Unspecified Works	1915	915088

ID	Location	Land use	Dates present	Group ID
AH	450m SE	Unspecified Commercial/Industrial	1934	822200
AH	452m SE	Unspecified Works	1968	908495
W	456m N	Unspecified Mill	1968	826098
15	456m S	Unspecified Commercial/Industrial	1985 - 1991	954327
AC	456m SW	Unspecified Works	1968	877513
Z	457m S	Goods Station	1890	1004824
V	460m SW	Unspecified Factory	1968	857181
16	460m SW	Unspecified Works	1968	835809
17	461m E	Cotton Mills	1848	925309
AC	463m SW	Unspecified Workshop	1923	839568
Z	466m S	Goods Shed	1968	818295
AC	468m SW	Unspecified Works	1915	835806
AF	469m NE	Unspecified Mill	1923	908097
V	470m SW	Clothing Factory	1923	967492
V	473m SW	Clothing Factory	1934 - 1938	900700
V	473m SW	Clothing Factory	1915	955502
20	493m SE	Unspecified Ground Workings	1923	815965

This data is sourced from Ordnance Survey® / Groundsure.

1.2 Historical tanks

Records within 500m	**46**

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

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

ID	Location	Land use	Dates present	Group ID
A	45m E	Tanks	1948 - 1951	148263

ID	Location	Land use	Dates present	Group ID
A	45m E	Tanks	1948	147556
C	56m NW	Unspecified Tank	1893	123109
A	59m NE	Tanks	1948 - 1951	136837
C	61m W	Unspecified Tank	1893	123110
C	77m W	Unspecified Tank	1893	123111
B	81m SE	Unspecified Tank	1908 - 1922	151176
C	112m W	Tanks	1891	111418
C	135m NW	Unspecified Tank	1893	123108
C	135m W	Unspecified Tank	1891	123119
C	138m W	Unspecified Tank	1891	123121
C	145m W	Tanks	1891	111417
C	155m W	Unspecified Tank	1891	123120
D	155m S	Unspecified Tank	1908 - 1922	145691
B	159m E	Unspecified Tank	1891	123117
D	163m S	Tanks	1908	111416
B	166m SE	Unspecified Tank	1948	151831
B	169m E	Unspecified Tank	1948 - 1951	145877
D	170m S	Tanks	1908 - 1932	148419
D	192m S	Unspecified Tank	1908 - 1922	133103
D	202m S	Unspecified Tank	1948 - 1969	136465
D	211m S	Unspecified Tank	1908 - 1932	138572
D	218m S	Unspecified Tank	1889	123113
M	259m SE	Unspecified Tank	1908 - 1931	126356
G	277m NE	Unspecified Tank	1891	123114
G	280m NE	Unspecified Tank	1891	123115
N	332m S	Unspecified Tank	1889	122934
O	345m NW	Unspecified Tank	1948	141969
G	349m NE	Unspecified Tank	1891	123116

ID	Location	Land use	Dates present	Group ID
X	366m NW	Unspecified Tank	1893 - 1908	144112
X	366m NW	Unspecified Tank	1893 - 1908	128312
X	374m NW	Unspecified Tank	1893 - 1908	129664
P	378m N	Unspecified Tank	1893	114902
AA	406m SE	Unspecified Tank	1948 - 1951	135856
AA	406m SE	Unspecified Tank	1985 - 1990	151957
AA	406m SE	Unspecified Tank	1948 - 1957	137455
Y	421m W	Unspecified Tank	1908	123112
Y	421m W	Unspecified Tank	1965	123107
AB	432m NW	Unspecified Tank	1891 - 1893	131008
AB	443m NW	Tanks	1951	131815
14	450m NW	Unspecified Tank	1891	114912
AD	467m W	Unspecified Tank	1891	123118
AD	471m W	Unspecified Tank	1891	123122
AC	481m SW	Unspecified Tank	1891	122962
AB	483m NW	Unspecified Tank	1893 - 1908	128884
AB	489m NW	Unspecified Tank	1893 - 1908	133375

This data is sourced from Ordnance Survey® / Groundsure.

1.3 Historical energy features

Records within 500m	**37**

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

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

ID	Location	Land use	Dates present	Group ID
1	117m N	Electricity Substation	1969 - 1994	81830

ID	Location	Land use	Dates present	Group ID
D	169m S	Electricity Substation	1997	65341
F	172m SW	Electricity Substation	1988 - 1997	88769
D	215m S	Electricity Substation	1948 - 1955	84548
D	216m S	Electricity Substation	1978 - 1997	70573
2	223m E	Electricity Substation	1994 - 1997	82136
J	224m N	Electricity Substation	1994	86007
J	224m N	Electricity Substation	1988	74758
J	226m N	Electricity Substation	1978 - 1983	86684
J	226m N	Electricity Substation	1991	88204
O	262m W	Hydraulic Power Station	1948 - 1951	88307
O	263m W	Hydraulic Power Station	1908 - 1931	73161
O	264m W	Corporation Hydraulic Power Station	1948 - 1951	79175
O	265m W	Electricity Substation	1991 - 1994	92309
O	265m W	Electricity Substation	1988	78183
O	265m W	Electricity Substation	1978 - 1983	77905
O	270m W	Hydraulic Power Station	1955	79538
O	270m W	Hydraulic Power Station	1948	88002
O	286m W	Electricity Substation	1988 - 1997	88799
G	311m NE	Electricity Substation	1989	72975
G	312m NE	Electricity Substation	1948 - 1951	69125
G	312m NE	Electricity Substation	1969	75704
G	313m NE	Electricity Substation	1994	82202
7	313m N	Electricity Substation	1969 - 1994	72700
S	318m NE	Electricity Substation	1989	85583
S	329m NE	Electricity Substation	1969	79573
S	329m NE	Electricity Substation	1994	81624
AA	371m SE	Electricity Substation	1989 - 1991	69572
AA	373m SE	Electricity Substation	1994 - 1997	90604

ID	Location	Land use	Dates present	Group ID
AB	399m NW	Electricity Substation	1969 - 1994	74884
T	401m S	Electricity Substation	1948 - 1955	71822
T	401m S	Electricity Substation	1969 - 1978	79786
T	405m S	Electricity Substation	1981	64716
13	412m E	Electricity Substation	1990 - 1997	80804
Y	432m NW	Electricity Substation	1983 - 1994	77389
AC	444m SW	Electricity Substation	1991 - 1997	77503
Z	465m S	Electricity Substation	1985 - 1994	74596

This data is sourced from Ordnance Survey® / Groundsure.

1.4 Historical petrol stations

Records within 500m	**0**

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

This data is sourced from Ordnance Survey® / Groundsure.

1.5 Historical garages

Records within 500m	**34**

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

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

ID	Location	Land use	Dates present	Group ID
C	100m SW	Corporation Cleansing Department Garage	1948	26090
C	100m SW	Garage	1965 - 1969	26622
C	101m SW	Corporation Cleansing Department Garage	1955	28045

ID	Location	Land use	Dates present	Group ID
C	101m SW	Corporation Cleansing Department Garage	1948	30688
H	183m NW	Garage	1965	24113
H	198m NW	Garage	1963	25704
H	222m NW	Garage	1951	22281
5	262m SW	Garage	1948	22283
D	265m S	Garage and Workshops	1951	22821
Q	269m NW	Garage	1969	24284
D	274m S	Co-op Garage and Workshops	1948	22838
Q	278m NW	Garage	1965	29048
D	281m S	Co-operation Garage and Workshops	1948	22816
Q	293m NW	Garage	1963	25914
O	295m NW	Garage	1951	22279
G	299m NE	Garage	1965 - 1969	28845
G	305m NE	Garage	1963	23217
N	332m S	Garage	1989 - 1990	25061
N	333m S	Garage	1991	26236
N	334m S	Garage	1994 - 1997	23203
9	382m SW	Garage	1948	22284
11	394m W	Garage	1948	28993
AB	395m NW	Garage	1951	22280
Y	405m W	Garage	1951	22282
AD	415m W	Garage	1948	27533
AE	415m S	Garage	1996	23646
AE	415m S	Garage	1994	30930
AD	421m SW	Garage	1991 - 1992	30934
AD	425m W	Garage	1997	27354
AI	467m W	Garage	1990	29828
AI	467m W	Garage	1996	29201

ID	Location	Land use	Dates present	Group ID
18	471m NW	Garage	1948 - 1951	26164
19	491m NW	Garages	1948 - 1951	26156
AI	497m W	Garage	1971	27951

This data is sourced from Ordnance Survey® / Groundsure.

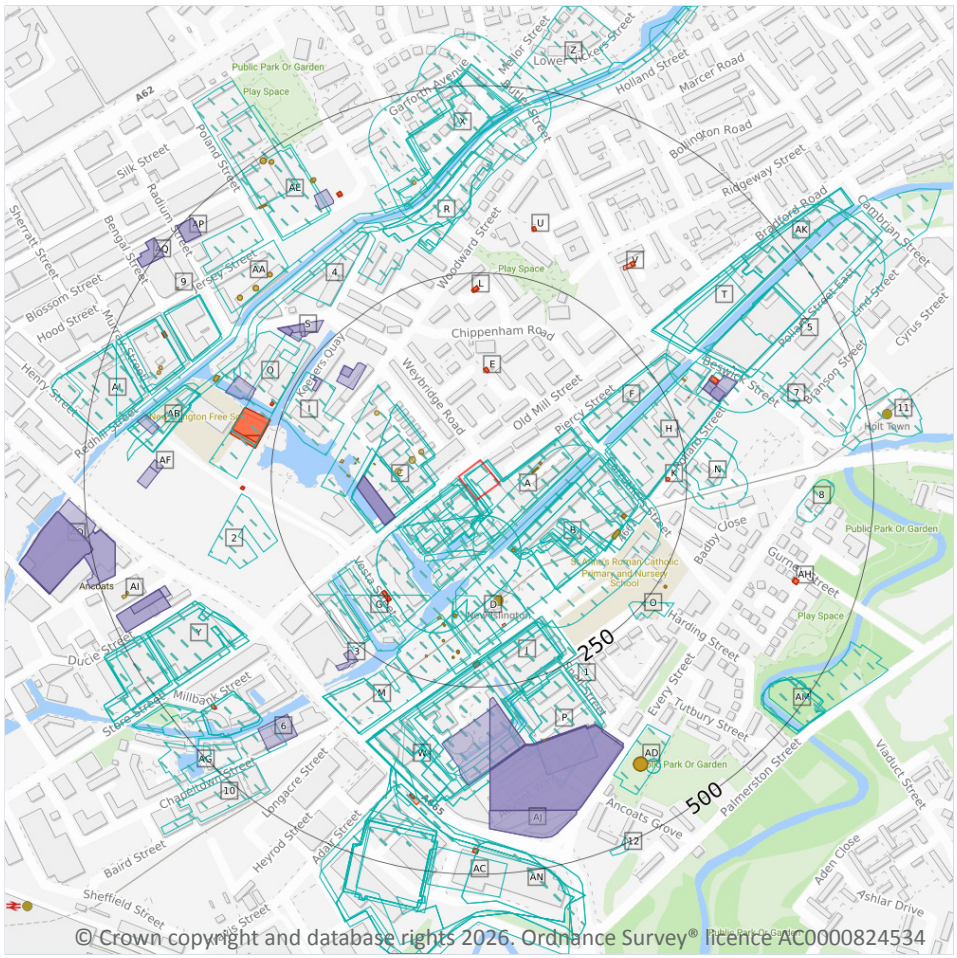
1.6 Historical military land

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



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Site Outline

Search buffers in metres (m)

Historical industrial land uses

Historical tanks

Historical energy features

Historical garages

2.1 Historical industrial land uses

Records within 500m	189

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 28 >**

ID	Location	Land Use	Date	Group ID
A	**On site**	**Unspecified Commercial/Industrial**	**1933**	**822199**
A	**On site**	**Machine Works**	**1921**	**989695**
A	**On site**	**Hospital**	**1891**	**948972**

ID	Location	Land Use	Date	Group ID
A	**On site**	**Hospital**	**1985**	**914144**
A	**On site**	**Hospital**	**1991**	**914144**
A	**On site**	**Machine Works**	**1923**	**989695**
A	**On site**	**Unspecified Works**	**1968**	**835812**
A	1m SW	Hospital	1981	929059
A	2m SW	Hospital	1968	875684
A	3m SW	Hospital	1956	875684
A	7m SW	Hospital	1921	981260
A	8m SW	Hospital	1923	976746
B	18m SE	Unspecified Mills	1938	967036
A	22m S	Unspecified Wharf	1921	956415
A	22m S	Unspecified Wharf	1906	934177
C	27m W	Unspecified Works	1968	835810
C	32m W	Unspecified Commercial/Industrial	1933	822576
C	32m W	Glass Works	1921	882780
C	33m W	Glass Works	1923	882780
A	54m SW	Unspecified Tank	1923	851190
B	62m SE	Unspecified Mill	1981	971783
C	66m SW	Bedstead and Safe Works	1921	965805
A	67m S	Unspecified Wharf	1923	862355
B	68m SE	Unspecified Mills	1933	900911
B	68m SE	Unspecified Mills	1921	948605
B	69m SE	Unspecified Mills	1956	871130
B	69m SE	Unspecified Mills	1968	871130
C	71m SW	Bedstead and Safe Works	1923	965805
B	71m SE	Unspecified Mills	1923	954241
B	81m SE	Industrial Estate	1985	988277
B	81m SE	Industrial Estate	1991	988277

ID	Location	Land Use	Date	Group ID
D	89m S	Unspecified Mill	1923	990625
D	128m S	Unspecified Mill	1915	987895
D	134m S	Unspecified Depot	1985	901820
D	134m S	Unspecified Depot	1991	901820
F	135m NE	Unspecified Mill	1923	905481
F	138m NE	Unspecified Mill	1938	917046
F	138m NE	Unspecified Mill	1933	917046
F	138m NE	Unspecified Mill	1921	880291
G	143m SW	Unspecified Works	1915	933042
H	146m E	Unspecified Commercial/Industrial	1923	896382
H	148m E	Unspecified Commercial/Industrial	1956	988807
D	150m S	Unspecified Tank	1915	867466
H	151m E	Unspecified Works	1968	835187
D	156m S	Unspecified Tank	1923	961860
D	160m S	Unspecified Works	1915	989078
D	166m S	Unspecified Works	1923	989078
I	169m NW	Unspecified Works	1968	835811
G	178m SW	Unspecified Works	1968	914198
J	178m SE	Unspecified Works	1968	962739
D	179m SE	Unspecified Commercial/Industrial	1956	822577
D	182m SE	Vulcan Works	1938	875907
D	182m SE	Vulcan Works	1934	875907
D	182m SE	Vulcan Works	1915	861309
D	183m SE	Vulcan Works	1905	951970
D	185m SE	Vulcan Works	1923	923108
J	190m SE	Unspecified Works	1985	907899
J	190m SE	Unspecified Works	1991	907899
G	190m SW	Unspecified Works	1923	867940

ID	Location	Land Use	Date	Group ID
D	208m S	Unspecified Warehouse	1968	979440
D	216m S	Unspecified Warehouse	1985	862246
D	216m S	Unspecified Warehouse	1991	862246
G	218m SW	Unspecified Wharf	1923	989472
G	226m SW	Unspecified Wharf	1915	880085
D	227m S	Unspecified Mills	1890	821886
M	236m SW	Corporation Yard	1923	1007635
N	236m E	Hospital	1985	934278
O	237m SE	Railway Building	1890	853275
N	246m E	Hospital	1956	910790
P	253m SE	Unspecified Workhouse	1915	973325
1	255m SE	Unspecified Works	1923	835185
2	256m W	Unspecified Mill	1968	826244
P	256m SE	Unspecified Workhouse	1923	973325
Q	258m NW	Unspecified Works	1968	835808
Q	259m NW	Coal Wharf	1848	806625
R	269m NW	Sawmills	1923	958168
H	271m NE	Unspecified Mill	1938	873483
Q	275m W	Unspecified Mill	1968	826243
M	282m SW	Corporation Yard	1938	873940
M	282m SW	Corporation Yard	1934	873940
M	282m SW	Corporation Yard	1915	886109
4	285m NW	Unspecified Works	1968	835822
T	285m NE	Unspecified Works	1923	910395
R	287m N	Sawmills	1933	1004681
R	287m N	Sawmills	1921	919277
T	288m NE	Unspecified Works	1938	976355
T	288m NE	Unspecified Works	1933	976355

ID	Location	Land Use	Date	Group ID
T	288m NE	Unspecified Works	1921	982368
H	300m NE	Unspecified Commercial/Industrial	1985	982280
H	300m NE	Unspecified Commercial/Industrial	1991	982280
R	310m N	Sawmills	1938	1004681
H	317m NE	Unspecified Mill	1923	1004081
T	318m NE	Unspecified Works	1968	908240
W	319m S	Unspecified Warehouse	1968	887297
X	320m N	Unspecified Commercial/Industrial	1938	872897
R	320m NW	Disused Canal	1991	912527
H	325m NE	Unspecified Works	1968	835186
5	327m NE	Brick Field	1848	806862
W	330m S	Grain Store	1915	924389
W	330m S	Grain Store	1905	861974
W	330m S	Grain Store	1923	936599
R	348m NW	Disused Canal	1985	2405895
X	348m N	Unspecified Mills	1923	895248
X	352m N	Unspecified Mills	1921	895248
Y	353m SW	Unspecified Warehouse	1923	982458
Z	353m N	Unspecified Commercial/Industrial	1956	960175
Y	355m SW	Clothing Foundry	1905	848663
Y	355m SW	Unspecified Disused Foundry	1890	817172
Y	355m SW	Unspecified Warehouse	1915	990840
Y	355m SW	Unspecified Warehouse	1938	865630
Y	355m SW	Unspecified Warehouse	1934	865630
AA	360m NW	Glass Works	1848	821951
AB	361m W	Sawmill	1923	867433
AC	361m S	Railway Sidings	1968	941272
AB	362m W	Sawmill	1938	937957

ID	Location	Land Use	Date	Group ID
AB	362m W	Sawmill	1933	937957
AB	362m W	Sawmill	1921	942966
AB	365m NW	Unspecified Mills	1923	998815
AB	367m W	Unspecified Mill	1968	826242
X	368m N	Unspecified Commercial/Industrial	1933	867562
AB	369m NW	Unspecified Mills	1938	936942
AB	369m NW	Unspecified Mills	1933	936942
AB	369m NW	Unspecified Mills	1921	886371
AC	374m S	Railway Sidings	1938	897593
AC	374m S	Railway Sidings	1934	879605
AC	374m S	Railway Sidings	1915	915713
AC	374m S	Railway Sidings	1905	982495
AC	374m S	Railway Sidings	1923	979823
AD	377m SE	Grave Yard	1848	816673
X	380m N	Unspecified Works	1968	835161
AE	385m NW	Unspecified Works	1991	884198
AE	389m NW	Unspecified Works	1985	914823
H	389m NE	Unspecified Mill	1933	932675
H	389m NE	Unspecified Mill	1921	953986
AC	393m S	Railway Sidings	1956	941272
AC	393m S	Goods Station	1956	942078
7	393m E	Police Station	1968	858791
AB	393m W	Unspecified Mill	1923	917793
AB	395m NW	Unspecified Works	1968	835807
AB	396m W	Unspecified Mill	1938	953962
AB	396m W	Unspecified Mill	1933	953962
AB	396m W	Unspecified Mill	1921	951348
8	399m E	Tanks	1848	827408

ID	Location	Land Use	Date	Group ID
AG	402m SW	Unspecified Works	1923	925927
W	404m S	Railway Building	1938	853833
AC	404m S	Railway Sidings	1890	955899
AG	406m SW	Unspecified Wharves	1923	872666
AG	409m SW	Unspecified Wharves	1938	986826
AG	409m SW	Unspecified Wharves	1934	986826
AG	409m SW	Unspecified Wharves	1915	987136
AA	410m NW	Unspecified Works	1968	835821
AD	417m SE	Unspecified Tank	1985	986831
AD	417m SE	Unspecified Tank	1991	986831
AK	430m NE	Unspecified Mill	1938	864630
AK	430m NE	Unspecified Mill	1933	864630
AK	430m NE	Unspecified Mill	1921	944902
AL	433m W	Unspecified Mills	1923	976462
AL	434m W	Unspecified Mills	1938	976321
AL	434m W	Unspecified Mills	1933	976321
AL	434m W	Unspecified Mills	1921	924519
AE	439m NW	Unspecified Works	1968	967557
AC	445m S	Goods Station	1968	966704
AC	449m S	Goods Station	1905	938425
AC	449m S	Goods Station	1923	921381
AM	450m SE	Unspecified Works	1905	952174
AM	450m SE	Unspecified Works	1923	959523
AC	450m S	Goods Station	1938	970605
AC	450m S	Goods Station	1934	970605
AC	450m S	Goods Station	1915	938933
AM	450m SE	Unspecified Works	1915	915088
AM	450m SE	Unspecified Commercial/Industrial	1934	822200

ID	Location	Land Use	Date	Group ID
AM	452m SE	Unspecified Works	1968	908495
Z	456m N	Unspecified Mill	1968	826098
AG	456m SW	Unspecified Works	1968	877513
AN	456m S	Unspecified Commercial/Industrial	1985	954327
AN	456m S	Unspecified Commercial/Industrial	1991	954327
AC	457m S	Goods Station	1890	1004824
Y	460m SW	Unspecified Factory	1968	857181
10	460m SW	Unspecified Works	1968	835809
11	461m E	Cotton Mills	1848	925309
AG	463m SW	Unspecified Workshop	1923	839568
AC	466m S	Goods Shed	1968	818295
AG	468m SW	Unspecified Works	1915	835806
AK	469m NE	Unspecified Mill	1923	908097
Y	470m SW	Clothing Factory	1923	967492
Y	473m SW	Clothing Factory	1938	900700
Y	473m SW	Clothing Factory	1934	900700
Y	473m SW	Clothing Factory	1915	955502
12	493m SE	Unspecified Ground Workings	1923	815965

This data is sourced from Ordnance Survey® / Groundsure.

2.2 Historical tanks

Records within 500m	**82**

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 28 >**

ID	Location	Land Use	Date	Group ID
A	45m E	Tanks	1951	148263
A	45m E	Tanks	1951	148263

ID	Location	Land Use	Date	Group ID
A	45m E	Tanks	1948	148263
A	45m E	Tanks	1948	147556
C	56m NW	Unspecified Tank	1893	123109
A	59m NE	Tanks	1951	136837
A	59m NE	Tanks	1948	136837
C	61m W	Unspecified Tank	1893	123110
C	77m W	Unspecified Tank	1893	123111
B	81m SE	Unspecified Tank	1908	151176
B	81m SE	Unspecified Tank	1922	151176
C	112m W	Tanks	1891	111418
C	135m NW	Unspecified Tank	1893	123108
C	135m W	Unspecified Tank	1891	123119
C	138m W	Unspecified Tank	1891	123121
C	145m W	Tanks	1891	111417
C	155m W	Unspecified Tank	1891	123120
D	155m S	Unspecified Tank	1908	145691
D	155m S	Unspecified Tank	1922	145691
B	159m E	Unspecified Tank	1891	123117
D	163m S	Tanks	1908	111416
B	166m SE	Unspecified Tank	1948	151831
B	166m SE	Unspecified Tank	1948	151831
B	169m E	Unspecified Tank	1951	145877
B	169m E	Unspecified Tank	1951	145877
B	169m E	Unspecified Tank	1948	145877
B	169m E	Unspecified Tank	1948	145877
D	170m S	Tanks	1908	148419
D	170m S	Tanks	1922	148419
D	170m S	Tanks	1932	148419

ID	Location	Land Use	Date	Group ID
D	192m S	Unspecified Tank	1908	133103
D	192m S	Unspecified Tank	1922	133103
D	202m S	Unspecified Tank	1955	136465
D	202m S	Unspecified Tank	1948	136465
D	203m S	Unspecified Tank	1965	136465
D	203m S	Unspecified Tank	1969	136465
D	203m S	Unspecified Tank	1951	136465
D	203m S	Unspecified Tank	1948	136465
D	203m S	Unspecified Tank	1969	136465
D	211m S	Unspecified Tank	1908	138572
D	211m S	Unspecified Tank	1922	138572
D	211m S	Unspecified Tank	1932	138572
D	218m S	Unspecified Tank	1889	123113
O	259m SE	Unspecified Tank	1908	126356
O	259m SE	Unspecified Tank	1922	126356
O	259m SE	Unspecified Tank	1931	126356
H	277m NE	Unspecified Tank	1891	123114
H	280m NE	Unspecified Tank	1891	123115
P	332m S	Unspecified Tank	1889	122934
Q	345m NW	Unspecified Tank	1948	141969
Q	346m NW	Unspecified Tank	1948	141969
H	349m NE	Unspecified Tank	1891	123116
AA	366m NW	Unspecified Tank	1893	144112
AA	366m NW	Unspecified Tank	1908	144112
AA	366m NW	Unspecified Tank	1893	128312
AA	366m NW	Unspecified Tank	1908	128312
AA	374m NW	Unspecified Tank	1893	129664
AA	374m NW	Unspecified Tank	1908	129664

ID	Location	Land Use	Date	Group ID
R	378m N	Unspecified Tank	1893	114902
AD	406m SE	Unspecified Tank	1951	135856
AD	406m SE	Unspecified Tank	1948	135856
AD	406m SE	Unspecified Tank	1989	151957
AD	406m SE	Unspecified Tank	1990	151957
AD	406m SE	Unspecified Tank	1990	151957
AD	406m SE	Unspecified Tank	1985	151957
AD	406m SE	Unspecified Tank	1957	137455
AD	406m SE	Unspecified Tank	1951	137455
AD	406m SE	Unspecified Tank	1948	137455
AB	421m W	Unspecified Tank	1908	123112
AB	421m W	Unspecified Tank	1965	123107
AE	432m NW	Unspecified Tank	1893	131008
AE	432m NW	Unspecified Tank	1891	131008
AE	443m NW	Tanks	1951	131815
AE	443m NW	Tanks	1951	131815
9	450m NW	Unspecified Tank	1891	114912
AI	467m W	Unspecified Tank	1891	123118
AI	471m W	Unspecified Tank	1891	123122
AG	481m SW	Unspecified Tank	1891	122962
AE	483m NW	Unspecified Tank	1893	128884
AE	483m NW	Unspecified Tank	1908	128884
AE	489m NW	Unspecified Tank	1893	133375
AE	489m NW	Unspecified Tank	1908	133375

This data is sourced from Ordnance Survey® / Groundsure.

2.3 Historical energy features

Records within 500m	**96**

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 28 >**

ID	Location	Land Use	Date	Group ID
E	117m N	Electricity Substation	1988	81830
E	117m N	Electricity Substation	1969	81830
E	117m N	Electricity Substation	1994	81830
E	117m N	Electricity Substation	1983	81830
E	117m N	Electricity Substation	1978	81830
E	117m N	Electricity Substation	1991	81830
D	169m S	Electricity Substation	1997	65341
G	172m SW	Electricity Substation	1997	88769
G	172m SW	Electricity Substation	1989	88769
G	173m SW	Electricity Substation	1988	88769
G	173m SW	Electricity Substation	1991	88769
G	173m SW	Electricity Substation	1992	88769
D	215m S	Electricity Substation	1951	84548
D	215m S	Electricity Substation	1948	84548
D	216m S	Electricity Substation	1989	70573
D	216m S	Electricity Substation	1981	70573
D	216m S	Electricity Substation	1948	84548
D	216m S	Electricity Substation	1955	84548
D	216m S	Electricity Substation	1978	70573
D	216m S	Electricity Substation	1988	70573
D	216m S	Electricity Substation	1991	70573
D	216m S	Electricity Substation	1992	70573
D	216m S	Electricity Substation	1997	70573

ID	Location	Land Use	Date	Group ID
K	223m E	Electricity Substation	1994	82136
K	223m E	Electricity Substation	1997	82136
L	224m N	Electricity Substation	1994	86007
L	224m N	Electricity Substation	1988	74758
L	226m N	Electricity Substation	1983	86684
L	226m N	Electricity Substation	1978	86684
L	226m N	Electricity Substation	1991	88204
Q	262m W	Hydraulic Power Station	1951	88307
Q	262m W	Hydraulic Power Station	1948	88307
Q	263m W	Hydraulic Power Station	1908	73161
Q	263m W	Hydraulic Power Station	1922	73161
Q	263m W	Hydraulic Power Station	1931	73161
Q	264m W	Corporation Hydraulic Power Station	1948	79175
Q	264m W	Corporation Hydraulic Power Station	1951	79175
Q	265m W	Electricity Substation	1994	92309
Q	265m W	Electricity Substation	1988	78183
Q	265m W	Electricity Substation	1983	77905
Q	265m W	Electricity Substation	1978	77905
Q	265m W	Electricity Substation	1991	92309
Q	270m W	Hydraulic Power Station	1948	88002
Q	270m W	Hydraulic Power Station	1955	79538
Q	286m W	Electricity Substation	1997	88799
Q	286m W	Electricity Substation	1989	88799
Q	286m W	Electricity Substation	1988	88799
Q	286m W	Electricity Substation	1991	88799
Q	286m W	Electricity Substation	1992	88799
H	311m NE	Electricity Substation	1989	72975
H	312m NE	Electricity Substation	1951	69125

ID	Location	Land Use	Date	Group ID
H	312m NE	Electricity Substation	1948	69125
H	312m NE	Electricity Substation	1948	69125
H	312m NE	Electricity Substation	1951	69125
H	312m NE	Electricity Substation	1969	75704
H	313m NE	Electricity Substation	1994	82202
U	313m N	Electricity Substation	1989	72700
U	314m N	Electricity Substation	1994	72700
U	314m N	Electricity Substation	1969	72700
V	318m NE	Electricity Substation	1989	85583
V	329m NE	Electricity Substation	1969	79573
V	329m NE	Electricity Substation	1994	81624
AD	371m SE	Electricity Substation	1989	69572
AD	371m SE	Electricity Substation	1990	69572
AD	371m SE	Electricity Substation	1990	69572
AD	372m SE	Electricity Substation	1991	69572
AD	373m SE	Electricity Substation	1994	90604
AD	373m SE	Electricity Substation	1997	90604
AE	399m NW	Electricity Substation	1983	74884
AE	399m NW	Electricity Substation	1978	74884
AE	399m NW	Electricity Substation	1991	74884
AE	399m NW	Electricity Substation	1994	74884
AE	399m NW	Electricity Substation	1969	74884
AE	399m NW	Electricity Substation	1988	74884
W	401m S	Electricity Substation	1951	71822
W	401m S	Electricity Substation	1948	71822
W	401m S	Electricity Substation	1969	79786
W	401m S	Electricity Substation	1969	79786
W	402m S	Electricity Substation	1978	79786

ID	Location	Land Use	Date	Group ID
W	402m S	Electricity Substation	1948	71822
W	402m S	Electricity Substation	1955	71822
W	405m S	Electricity Substation	1981	64716
AH	412m E	Electricity Substation	1990	80804
AH	413m E	Electricity Substation	1994	80804
AH	413m E	Electricity Substation	1997	80804
AH	413m E	Electricity Substation	1991	80804
AB	432m NW	Electricity Substation	1994	77389
AB	432m NW	Electricity Substation	1988	77389
AB	432m NW	Electricity Substation	1983	77389
AB	432m NW	Electricity Substation	1991	77389
AG	444m SW	Electricity Substation	1991	77503
AG	444m SW	Electricity Substation	1992	77503
AG	445m SW	Electricity Substation	1997	77503
AC	465m S	Electricity Substation	1985	74596
AC	465m S	Electricity Substation	1991	74596
AC	465m S	Electricity Substation	1994	74596

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	43

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'.

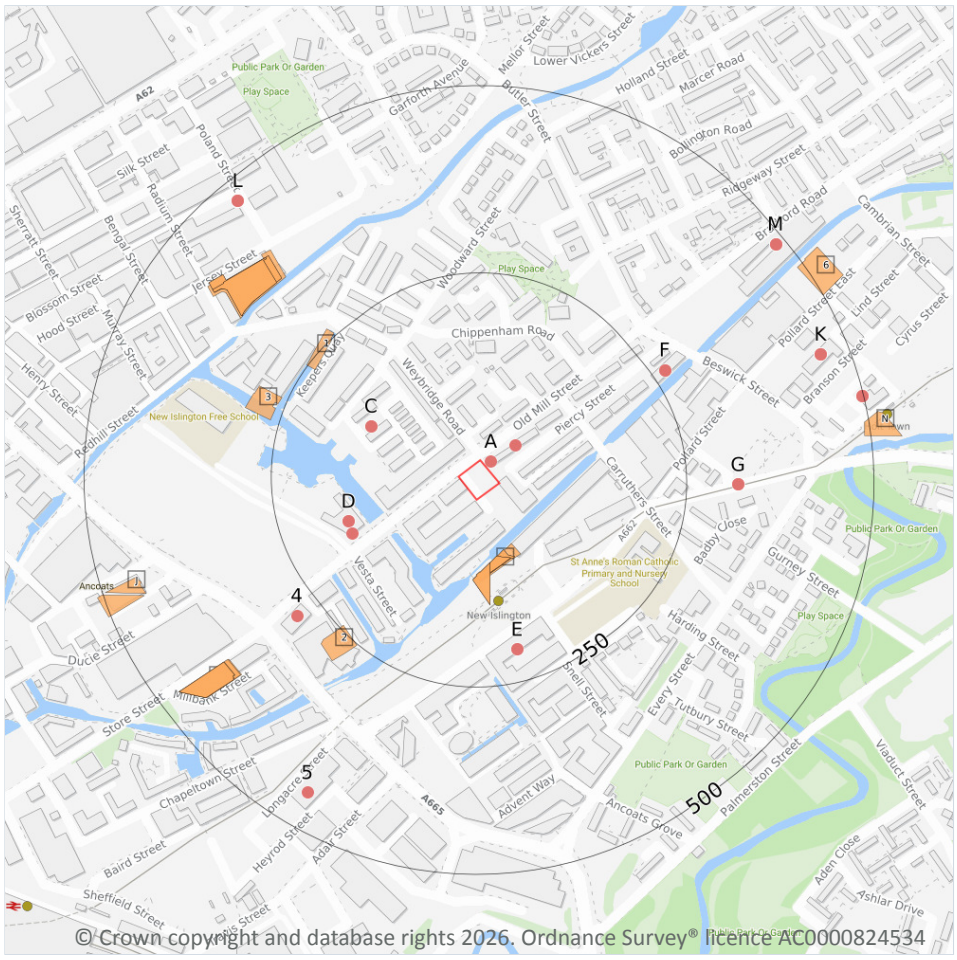
Features are displayed on the Past land use - un-grouped map on **page 28 >**

ID	Location	Land Use	Date	Group ID
C	100m SW	Garage	1965	26622
C	100m SW	Garage	1969	26622
C	100m SW	Corporation Cleansing Department Garage	1948	26090
C	101m SW	Corporation Cleansing Department Garage	1955	28045
C	101m SW	Corporation Cleansing Department Garage	1948	30688
I	183m NW	Garage	1965	24113
I	198m NW	Garage	1963	25704
I	222m NW	Garage	1951	22281
3	262m SW	Garage	1948	22283
D	265m S	Garage and Workshops	1951	22821
S	269m NW	Garage	1969	24284
D	274m S	Co-op Garage and Workshops	1948	22838
S	278m NW	Garage	1965	29048
D	281m S	Co-operation Garage and Workshops	1948	22816
S	293m NW	Garage	1963	25914
Q	295m NW	Garage	1951	22279
H	299m NE	Garage	1965	28845
H	299m NE	Garage	1969	28845
H	305m NE	Garage	1963	23217
P	332m S	Garage	1989	25061
P	332m S	Garage	1990	25061
P	333m S	Garage	1991	26236
P	334m S	Garage	1994	23203

ID	Location	Land Use	Date	Group ID
P	334m S	Garage	1997	23203
6	382m SW	Garage	1948	22284
AF	394m W	Garage	1948	28993
AE	395m NW	Garage	1951	22280
AF	401m W	Garage	1948	28993
AB	405m W	Garage	1951	22282
AI	415m W	Garage	1948	27533
AJ	415m S	Garage	1994	30930
AJ	415m S	Garage	1996	23646
AI	421m SW	Garage	1991	30934
AI	421m SW	Garage	1992	30934
AI	425m W	Garage	1997	27354
AO	467m W	Garage	1990	29828
AO	467m W	Garage	1996	29201
AP	471m NW	Garage	1948	26164
AP	471m NW	Garage	1951	26164
AQ	491m NW	Garages	1948	26156
AQ	491m NW	Garages	1951	26156
AO	497m W	Garage	1971	27951
AO	498m W	Garage	1971	27951

This data is sourced from Ordnance Survey® / Groundsure.

3 Waste and landfill



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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	23

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 45 >**

ID	Location	Address	Further Details	Date
B	74m SE	Site Address: N/A	Type of Site: Waste Paper Works Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1931
B	75m SE	Site Address: N/A	Type of Site: Waste Paper Works Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1951
B	75m SE	Site Address: N/A	Type of Site: Waste Paper Works Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1948

ID	Location	Address	Further Details	Date
B	80m S	Site Address: N/A	Type of Site: Waste Paper Works Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1948
B	80m S	Site Address: N/A	Type of Site: Waste Paper Works Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1951
B	86m S	Site Address: N/A	Type of Site: Waste Paper Works Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1948
B	86m S	Site Address: N/A	Type of Site: Waste Paper Works Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1955
1	239m NW	Site Address: N/A	Type of Site: Scrap Metal Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1969
2	244m 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	1981
3	258m NW	Site Address: N/A	Type of Site: Scrap Metal Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1969
H	353m NW	Site Address: N/A	Type of Site: Waste Paper Factory Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1931
H	355m NW	Site Address: N/A	Type of Site: Waste Paper Factory Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1951

ID	Location	Address	Further Details	Date
H	355m NW	Site Address: N/A	Type of Site: Waste Paper Factory Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1948
H	355m NW	Site Address: N/A	Type of Site: Waste Paper Factory Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1948
H	355m NW	Site Address: N/A	Type of Site: Waste Paper Factory Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1951
I	391m SW	Site Address: N/A	Type of Site: Scrap Metal Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1969
I	392m SW	Site Address: N/A	Type of Site: Scrap Metal Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1978
I	398m SW	Site Address: N/A	Type of Site: Scrap Metal Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1955
I	399m SW	Site Address: N/A	Type of Site: Scrap Metal Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1981
J	445m W	Site Address: N/A	Type of Site: Waste Paper Mills Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1931
J	448m W	Site Address: N/A	Type of Site: Waste Paper Mills Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1932

ID	Location	Address	Further Details	Date
6	491m NE	Site Address: N/A	Type of Site: Waste Paper Mills Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1931
N	492m E	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1992

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

3.6 Licensed waste sites

Records within 500m	**0**

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

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

3.7 Waste exemptions

Records within 500m	**86**

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 45 >**

ID	Location	Site	Reference	Category	Sub-Category	Description
A	9m NE	Ancoats (Revive) Dental Practice, First Floor, Ancoats Pcc, Manchester, M4 6ee	WEX306345	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
A	48m NE	Ancoats (Revive) Dental Practice, First Floor, Ancoats Pcc, Manchester, M4 6ee	WEX472962	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
C	135m NW	-	WEX243781	Using waste exemption	Not on a farm	Use of waste in construction
C	135m NW	-	WEX243781	Treating waste exemption	Not on a farm	Screening and blending of waste

ID	Location	Site	Reference	Category	Sub-Category	Description
D	159m W	Old Mill Street, Manchester, M4 6ee	WEX234237	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
D	159m W	Old Mill Street, Manchester, M4 6ee	WEX362565	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
D	161m SW	-	WEX398622	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
E	208m S	Vulcan Mill Phase 2 - New Build Construction By Russells, Malta Street, Manchester, M4 7an	WEX118448	Treating waste exemption	Not on a farm	Screening and blending of waste
E	208m S	Vulcan Mill Phase 2 - New Build Construction By Russells, Malta Street, Manchester, M4 7an	WEX118448	Using waste exemption	Not on a farm	Use of waste in construction
F	267m NE	Urban Splash Site Off, Piercy Street, Manchester, M4 7hy	WEX186803	Using waste exemption	Not on a farm	Use of waste in construction
F	267m NE	Urban Splash Site Off, Piercy Street, Manchester, M4 7hy	WEX186803	Treating waste exemption	Not on a farm	Screening and blending of waste
4	285m SW	-	WEX284226	Using waste exemption	Not on a farm	Use of waste in construction
G	318m E	-	WEX430070	Treating waste exemption	Not on a farm	Screening and blending of waste
G	318m E	-	WEX166443	Treating waste exemption	Not on a farm	Screening and blending of waste
G	318m E	-	WEX300251	Treating waste exemption	Not on a farm	Screening and blending of waste
5	452m SW	-	WEX460278	Treating waste exemption	Not on a farm	Recovery of scrap metal
K	461m E	Manchester Joinery And Interiors Limited, Branson Street, Manchester, M40 7fj	WEX212482	Disposing of waste exemption	Not on a farm	Disposal by incineration
K	461m E	Fire Doors Manchester Limited, Branson Street, Manchester, M40 7fj	WEX212646	Disposing of waste exemption	Not on a farm	Disposal by incineration

ID	Location	Site	Reference	Category	Sub-Category	Description
K	461m E	Manchester Joinery And Interiors Limited, Branson Street, Manchester, M40 7fj	WEX212482	Using waste exemption	Not on a farm	Burning of waste as a fuel in a small appliance
K	461m E	Manchester Joinery And Interiors Limited, Branson Street, Manchester, M40 7fj	WEX212482	Treating waste exemption	Not on a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
K	461m E	Fire Doors Manchester Limited, Branson Street, Manchester, M40 7fj	WEX212646	Treating waste exemption	Not on a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
K	461m E	Fire Doors Manchester Limited, Branson Street, Manchester, M40 7fj	WEX212646	Using waste exemption	Not on a farm	Burning of waste as a fuel in a small appliance
L	471m NW	30a Poland Street M4 6bh	EPR/TE5580PZ/A001	Using waste exemption	Non-agricultural waste only	Use of effluent to clean a highway gravel bed
L	471m NW	30a Poland Street M4 6bh	EPR/TE5580PZ/A001	Using waste exemption	Non-agricultural waste only	Use of waste for a specified purpose
L	471m NW	30a Poland Street M4 6bh	EPR/TE5580PZ/A001	Disposing of waste exemption	Non-agricultural waste only	Deposit of waste from dredging of inland waters
L	471m NW	30a Poland Street M4 6bh	EPR/TE5580PZ/A001	Disposing of waste exemption	Non-agricultural waste only	Deposit of waste from a railway sanitary convenience
L	471m NW	30a Poland Street M4 6bh	EPR/TE5580PZ/A001	Disposing of waste exemption	Non-agricultural waste only	Deposit of waste from a portable sanitary convenience
L	471m NW	30a Poland Street M4 6bh	EPR/TE5580PZ/A001	Disposing of waste exemption	Non-agricultural waste only	Burning waste at a port under a Plant Health notice
L	471m NW	30a Poland Street M4 6bh	EPR/TE5580PZ/A001	Storing waste exemption	Non-agricultural waste only	Storage of waste in secure containers

ID	Location	Site	Reference	Category	Sub-Category	Description
L	471m NW	30a Poland Street M4 6bh	EPR/TE5580PZ/A001	Storing waste exemption	Non-agricultural waste only	Storage of waste in a secure place
L	471m NW	30a Poland Street M4 6bh	EPR/TE5580PZ/A001	Storing waste exemption	Non-agricultural waste only	Storage of sludge
L	471m NW	30a Poland Street M4 6bh	EPR/TE5580PZ/A001	Treating waste exemption	Non-agricultural waste only	Cleaning, washing, spraying or coating relevant waste
L	471m NW	30a Poland Street M4 6bh	EPR/TE5580PZ/A001	Treating waste exemption	Non-agricultural waste only	Treatment of waste toner cartridges by sorting, dismantling, cleaning or refilling
L	471m NW	30a Poland Street M4 6bh	EPR/TE5580PZ/A001	Treating waste exemption	Non-agricultural waste only	Crushing waste fluorescent tubes
L	471m NW	30a Poland Street M4 6bh	EPR/TE5580PZ/A001	Treating waste exemption	Non-agricultural waste only	Dewatering using flocculants
L	471m NW	30a Poland Street M4 6bh	EPR/TE5580PZ/A001	Treating waste exemption	Non-agricultural waste only	Recovery of textiles
L	471m NW	30a Poland Street M4 6bh	EPR/TE5580PZ/A001	Treating waste exemption	Non-agricultural waste only	Treatment of waste at a water treatment works
L	471m NW	30a Poland Street M4 6bh	EPR/TE5580PZ/A001	Treating waste exemption	Non-agricultural waste only	Recovery of waste at a waste water treatment works
L	471m NW	30a Poland Street M4 6bh	EPR/TE5580PZ/A001	Treating waste exemption	Non-agricultural waste only	Aerobic composting and associated prior treatment

ID	Location	Site	Reference	Category	Sub-Category	Description
L	471m NW	30a Poland Street M4 6bh	EPR/TE5580PZ/A001	Treating waste exemption	Non-agricultural waste only	Anaerobic digestion at premises not used for agriculture and burning of resultant biogas
L	471m NW	30a Poland Street M4 6bh	EPR/TE5580PZ/A001	Treating waste exemption	Non-agricultural waste only	Sorting and de-naturing of controlled drugs for disposal
L	471m NW	30a Poland Street M4 6bh	EPR/TE5580PZ/A001	Treating waste exemption	Non-agricultural waste only	Recovery of silver
L	471m NW	30a Poland Street M4 6bh	EPR/TE5580PZ/A001	Treating waste exemption	Non-agricultural waste only	Recovery of monopropylene glycol from aircraft antifreeze fluids
L	471m NW	30a Poland Street M4 6bh	EPR/TE5580PZ/A001	Treating waste exemption	Non-agricultural waste only	Recovery of central heating oil by filtration
L	471m NW	30a Poland Street M4 6bh	EPR/TE5580PZ/A001	Treating waste exemption	Non-agricultural waste only	Preparatory treatments (baling, sorting, shredding etc)
L	471m NW	30a Poland Street M4 6bh	EPR/TE5580PZ/A001	Treating waste exemption	Non-agricultural waste only	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
L	471m NW	30a Poland Street M4 6bh	EPR/TE5580PZ/A001	Treating waste exemption	Non-agricultural waste only	Mechanical treatment of end-of-life tyres
L	471m NW	30a Poland Street M4 6bh	EPR/TE5580PZ/A001	Using waste exemption	Non-agricultural waste only	Use of waste in construction
L	471m NW	30a Poland Street M4 6bh	EPR/TE5580PZ/A001	Using waste exemption	Non-agricultural waste only	Spreading waste on non-agricultural land to confer benefit

ID	Location	Site	Reference	Category	Sub-Category	Description
L	471m NW	30a Poland Street M4 6bh	EPR/TE5580PZ/A001	Using waste exemption	Non-agricultural waste only	Spreading of plant matter to confer benefit
L	471m NW	30a Poland Street M4 6bh	EPR/TE5580PZ/A001	Using waste exemption	Non-agricultural waste only	Incorporation of ash into soil
L	471m NW	30a Poland Street M4 6bh	EPR/TE5580PZ/A001	Using waste exemption	Non-agricultural waste only	Use of baled end-of-life tyres in construction
L	471m NW	30a Poland Street M4 6bh	EPR/TE5580PZ/A001	Using waste exemption	Non-agricultural waste only	Use of waste in the construction of entertainment or educational installations etc
L	471m NW	30a Poland Street M4 6bh	EPR/TE5580PZ/A001	Using waste exemption	Non-agricultural waste only	Burning of waste as a fuel in a small appliance
L	471m NW	30a Poland Street M4 6bh	EPR/TE5580PZ/A001	Using waste exemption	Non-agricultural waste only	Use of waste derived biodiesel as fuel
L	471m NW	30a Poland Street M4 6bh	EPR/TE5580PZ/A001	Using waste exemption	Non-agricultural waste only	Use of sludge for the purposes of re-seeding a waste water treatment plant
L	471m NW	30a Poland Street M4 6bh	EPR/TE5580PZ/A001	Disposing of waste exemption	Non-agricultural waste only	Depositing samples of waste for the purposes of testing or analysing them
L	471m NW	30a Poland Street M4 6bh	EPR/TE5580PZ/A001	Disposing of waste exemption	Non-agricultural waste only	Disposal by incineration
L	471m NW	30a Poland Street M4 6bh	EPR/TE5580PZ/A001	Disposing of waste exemption	Non-agricultural waste only	Burning waste in the open

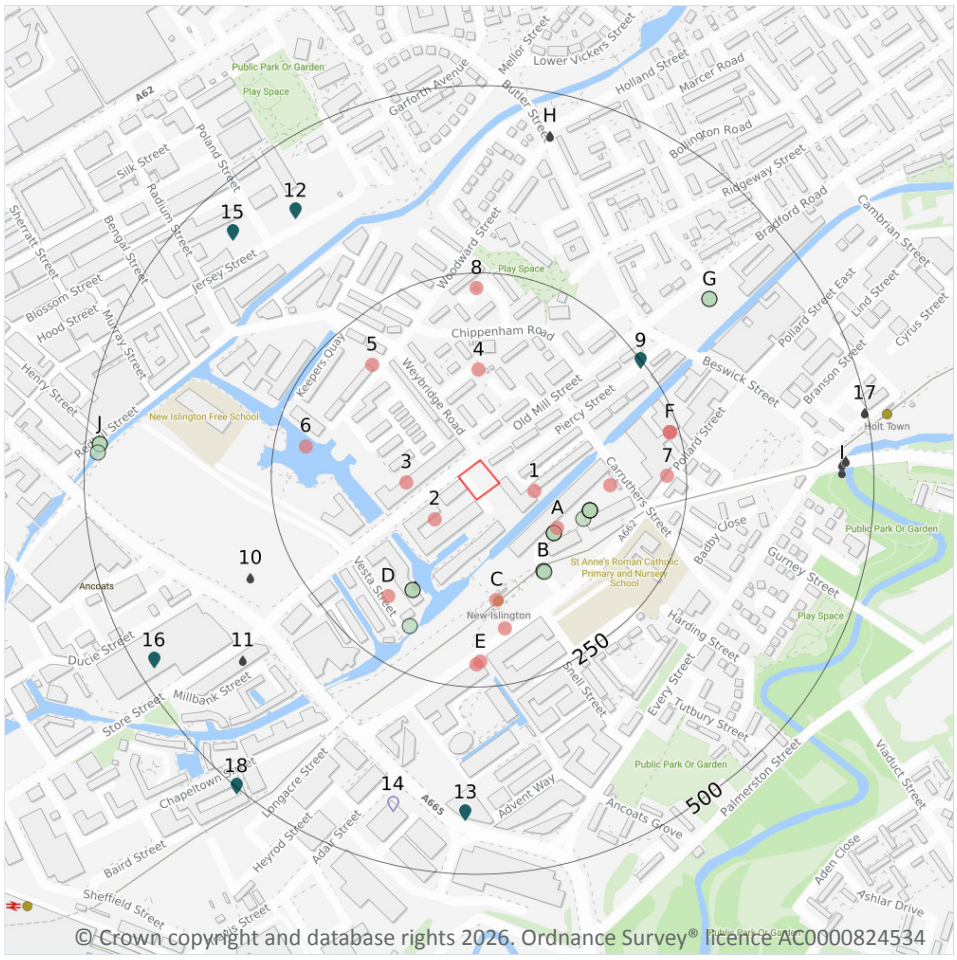
ID	Location	Site	Reference	Category	Sub-Category	Description
L	471m NW	30a Poland Street M4 6bh	EPR/TE5580PZ/A001	Treating waste exemption	Non-agricultural waste only	Sorting mixed waste
L	471m NW	30a Poland Street M4 6bh	EPR/TE5580PZ/A001	Treating waste exemption	Non-agricultural waste only	Manual treatment of waste
L	471m NW	30a Poland Street M4 6bh	EPR/TE5580PZ/A001	Treating waste exemption	Non-agricultural waste only	Treatment of waste food
L	471m NW	30a Poland Street M4 6bh	EPR/TE5580PZ/A001	Treating waste exemption	Non-agricultural waste only	Crushing and emptying waste vehicle oil filters
L	471m NW	30a Poland Street M4 6bh	EPR/TE5580PZ/A001	Treating waste exemption	Non-agricultural waste only	Treatment of waste aerosol cans
L	471m NW	30a Poland Street M4 6bh	EPR/TE5580PZ/A001	Treating waste exemption	Non-agricultural waste only	Physical treatment of waste edible oil and fat to produce biodiesel
L	471m NW	30a Poland Street M4 6bh	EPR/TE5580PZ/A001	Treating waste exemption	Non-agricultural waste only	Anaerobic digestion at premises used for agriculture and burning of resultant biogas
L	471m NW	30a Poland Street M4 6bh	EPR/TE5580PZ/A001	Treating waste exemption	Non-agricultural waste only	Treatment of kitchen waste in a wormery
L	471m NW	30a Poland Street M4 6bh	EPR/TE5580PZ/A001	Treating waste exemption	Non-agricultural waste only	Treatment of non-hazardous pesticide washings by carbon filtration for disposal
L	471m NW	30a Poland Street M4 6bh	EPR/TE5580PZ/A001	Treating waste exemption	Non-agricultural waste only	Treatment of waste in a biobed or biofilter

ID	Location	Site	Reference	Category	Sub-Category	Description
L	471m NW	30a Poland Street M4 6bh	EPR/TE5580PZ/A001	Treating waste exemption	Non-agricultural waste only	Screening and blending of waste
L	471m NW	30a Poland Street M4 6bh	EPR/TE5580PZ/A001	Treating waste exemption	Non-agricultural waste only	Recovery of scrap metal
L	471m NW	30a Poland Street M4 6bh	EPR/TE5580PZ/A001	Using waste exemption	Non-agricultural waste only	Spreading waste on agricultural land to confer benefit
L	471m NW	30a Poland Street M4 6bh	EPR/TE5580PZ/A001	Using waste exemption	Non-agricultural waste only	Use of mulch
L	471m NW	30a Poland Street M4 6bh	EPR/TE5580PZ/A001	Using waste exemption	Non-agricultural waste only	Use of depolluted end-of-life vehicles for vehicle parts
L	471m NW	30a Poland Street M4 6bh	EPR/TE5580PZ/A001	Using waste exemption	Non-agricultural waste only	Use of waste to manufacture finished goods
M	487m NE	Brunswick Mill, Old Mill Yard, Manchester, M407ez	WEX168923	Treating waste exemption	Not on a farm	Screening and blending of waste
M	487m NE	Brunswick Mill, Old Mill Yard, Manchester, M407ez	WEX168923	Treating waste exemption	Not on a farm	Sorting mixed waste
M	487m NE	Brunswick Mill, Old Mill Yard, Manchester, M407ez	WEX168923	Using waste exemption	Not on a farm	Use of mulch
M	487m NE	Brunswick Mill, Old Mill Yard, Manchester, M407ez	WEX168923	Storing waste exemption	Not on a farm	Storage of waste in a secure place
M	487m NE	Brunswick Mill, Old Mill Yard, Manchester, M407ez	WEX168923	Using waste exemption	Not on a farm	Use of waste in construction
N	498m E	Manchester Joinery And Interiors Limited, Branson Street, Manchester, M40 7fj	WEX340130	Disposing of waste exemption	Not on a farm	Disposal by incineration

ID	Location	Site	Reference	Category	Sub-Category	Description
N	498m E	Fire Doors Manchester Limited, Branson Street, Manchester, M40 7fj	WEX340131	Disposing of waste exemption	Not on a farm	Disposal by incineration
N	498m E	Manchester Joinery And Interiors Limited, Branson Street, Manchester, M40 7fj	WEX340130	Using waste exemption	Not on a farm	Burning of waste as a fuel in a small appliance
N	498m E	Manchester Joinery And Interiors Limited, Branson Street, Manchester, M40 7fj	WEX340130	Treating waste exemption	Not on a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
N	498m E	Fire Doors Manchester Limited, Branson Street, Manchester, M40 7fj	WEX340131	Using waste exemption	Not on a farm	Burning of waste as a fuel in a small appliance
N	498m E	Fire Doors Manchester Limited, Branson Street, Manchester, M40 7fj	WEX340131	Treating waste exemption	Not on a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising

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

4 Current industrial land use



4.1 Recent industrial land uses

Records within 250m	18

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on **page 58 >**

ID	Location	Company	Address	Activity	Category
1	48m E	Electricity Sub Station	Greater Manchester, M4	Electrical Features	Infrastructure and Facilities
2	60m SW	Lampwick Quay	Greater Manchester, M4	Moorings and Unloading Facilities	Water
3	71m W	Weavers Quay	Greater Manchester, M4	Moorings and Unloading Facilities	Water

ID	Location	Company	Address	Activity	Category
A	98m SE	Milliners Wharf	Greater Manchester, M4	Moorings and Unloading Facilities	Water
4	121m N	Electricity Sub Station	Greater Manchester, M4	Electrical Features	Infrastructure and Facilities
C	136m S	New Islington (Mancheste r Metrolink)	Greater Manchester, M4	Tram, Metro and Light Railway Stations and Stops	Public Transport, Stations and Infrastructure
A	148m E	Electricity Sub Station	Greater Manchester, M4	Electrical Features	Infrastructure and Facilities
D	175m SW	Electricity Sub Station	Greater Manchester, M4	Electrical Features	Infrastructure and Facilities
C	176m S	Electricity Sub Station	Greater Manchester, M4	Electrical Features	Infrastructure and Facilities
5	189m NW	Electricity Sub Station	Greater Manchester, M4	Electrical Features	Infrastructure and Facilities
6	208m W	Marina	Greater Manchester, M4	Moorings and Unloading Facilities	Water
E	217m S	Chimney	Greater Manchester, M4	Chimneys	Industrial Features
E	220m S	Electricity Sub Station	Greater Manchester, M4	Electrical Features	Infrastructure and Facilities
7	225m E	Electricity Sub Station	Greater Manchester, M4	Electrical Features	Infrastructure and Facilities
8	230m N	Electricity Sub Station	Greater Manchester, M4	Electrical Features	Infrastructure and Facilities
F	237m E	B K Engineering & Installations Ltd	Hope Mill 113, Pollard Street, Manchester, Greater Manchester, M4 7JB	Industrial Engineers	Engineering Services
F	237m E	White Bear Studios	Fifth Floor, Hope Mill, 113, Pollard Street, Manchester, Greater Manchester, M4 7JA	Recording Studios and Record Companies	IT, Advertising, Marketing and Media Services
F	237m E	Crooked Cartoon	Hope Mill, 113, Pollard Street, Manchester, Greater Manchester, M4 7JA	Plate Makers, Print Finishers and Type Setters	IT, Advertising, Marketing and Media Services

This data is sourced from Ordnance Survey®.

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

Records within 250m	0

Current or recent tanks identified from the Ordnance Survey® NGD.

This data is sourced from Ordnance Survey®.

4.3 Current or recent petrol stations

Records within 500m	0

Open, closed, under development and obsolete petrol stations.

This data is sourced from Experian.

4.4 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.

4.5 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.

4.6 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.

4.7 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.

4.8 Historical licensed industrial activities (IPC)

Records within 500m	0

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

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

4.9 Licensed industrial activities (Part A(1))

Records within 500m	1

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

Features are displayed on the Current industrial land use map on **page 58 >**

ID	Location	Details	
14	422m S	Operator: Vodafone Limited Installation Name: Manchester Unit 1 Process: MCP Permit Number: JP3824SH Original Permit Number: JP3824SH	EPR Reference: EPR/JP3824SH Issue Date: 04/04/2024 Effective Date: 25/03/2024 Last date noted as effective: 21/05/2026 Status: Effective

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

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

Records within 500m	6

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

Features are displayed on the Current industrial land use map on **page 58 >**

ID	Location	Address	Details	
9	249m NE	Manchester Coppersmiths, Phoenix Mill, Piercy St, M4 7HY	Process: Di-isocyanate Processes Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
12	414m NW	Presbar Diecastings Ltd, Rear 62-64 Jersey St, Ancoats M4 6JW	Process: Non-ferrous Metal Foundry Processes Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
13	418m S	Advent Manchester, 309 Great Ancoats Street, Manchester M4 7DF	Process: Respraying of Road Vehicles Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
15	444m NW	Bill Howarth Metals, 109 Jersey Street, Ancoats M12 6BF	Process: Non-ferrous Metal Foundry Processes Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
16	475m SW	Presbar Diecastings Ltd, Store Street, Piccadilly Village, Ancoats, Manchester, M1 2WD	Process: Non-ferrous Metal Foundry Processes Status: Historical Permit Permit Type: Part B	Enforcement: Enforcements Notified Date of enforcement: 12/09/2013, 09/01/2014 Comment: Statutory noise nuisance
18	500m SW	Central Taxi Spares Ltd, Chapletown Street, Ancoats, M1 2NN	Process: Waste Oil Burner 0.4 MW Status: New Legislation Applies Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified

This data is sourced from Local Authority records.

4.11 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.

4.12 Licensed Discharges to controlled waters

Records within 500m	16

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 58 >**

ID	Location	Address	Details	
D	141m SW	SOHO WORKS SITE SWO, POLLARD STREET, ANCOATS, GREATER MANCHESTER	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: 016991041 Permit Version: 1 Receiving Water: MANCHESTER & ASHTON CANAL	Status: REVOKED - UNSPECIFIED Issue date: - Effective Date: 30/09/1985 Revocation Date: 01/07/1991
10	309m SW	GREAT ANCOATS STREET, SSO, MANCHESTER, GREATER MANCHESTER	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: 01MAN0024 Permit Version: 1 Receiving Water: SHOOTERS BROOK	Status: REVOKED - UNSPECIFIED Issue date: - Effective Date: 15/09/1993 Revocation Date: 15/09/1993
11	378m SW	GREAT ANCOATS STREET, SSO, MANCHESTER, GREATER MANCHESTER	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: 01MAN0023 Permit Version: 1 Receiving Water: SHOOTERS BROOK	Status: REVOKED - UNSPECIFIED Issue date: - Effective Date: 15/09/1993 Revocation Date: 15/09/1993
H	443m N	ROLLESTON AVENUE/BUTLER STREET CSO, 2 ROLLESTON AVENUE, MANCHESTER, GREATER MANCHESTER, M40 7HH	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0032 Permit Version: 1 Receiving Water: RIVER MEDLOCK	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: - Effective Date: 01/01/1995 Revocation Date: 02/09/2010
H	443m N	BUTLER ST/HOLLAND ST, MANCHESTER, GREATER MANCHESTER	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0037 Permit Version: 1 Receiving Water: RIVER MEDLOCK	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: - Effective Date: 01/01/1995 Revocation Date: 02/09/2010
H	443m N	RIDGEWAY ST/BUTLER ST, MANCHESTER, GREATER MANCHESTER	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0129 Permit Version: 1 Receiving Water: RIVER MEDLOCK	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: - Effective Date: 01/01/1995 Revocation Date: 18/10/1999
H	443m N	ROLLESTON AVENUE/BUTLER STREET CSO, 2 ROLLESTON AVENUE, MANCHESTER, GREATER MANCHESTER, M40 7HH	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0032 Permit Version: 2 Receiving Water: RIVER MEDLOCK	Status: VARIED UNDER EPR 2010 Issue date: 03/09/2010 Effective Date: 03/09/2010 Revocation Date: 04/02/2016

ID	Location	Address	Details	
H	443m N	BUTLER ST/HOLLAND ST, MANCHESTER, GREATER MANCHESTER	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0037 Permit Version: 2 Receiving Water: RIVER MEDLOCK	Status: SURRENDERED UNDER EPR 2010 Issue date: 03/09/2010 Effective Date: 03/09/2010 Revocation Date: 29/04/2019
I	458m E	BESWICK ST/HOLT TOWN BRIDGE, MANCHESTER, GREATER MANCHESTER	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0256 Permit Version: 1 Receiving Water: RIVER MEDLOCK	Status: CONSENT REVOKED OR REVISED - NEW CONSENT ISSUED (37(1)) Issue date: - Effective Date: 01/01/1995 Revocation Date: 31/08/1999
I	458m E	BESWICK ST ASHTON NEW RD CSO 281D0, MITCHELL ARMS, 215 EVERY STREET, MANCHESTER, GREATER MANCHESTER, M4 7EU	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 016982710 Permit Version: 3 Receiving Water: RIVER MEDLOCK	Status: VARIED UNDER EPR 2010 Issue date: 21/03/2018 Effective Date: 01/04/2018 Revocation Date: -
I	458m E	BESWICK ST ASHTON NEW RD CSO 281D0, MITCHELL ARMS, 215 EVERY STREET, MANCHESTER, GREATER MANCHESTER, M4 7EU	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 016982710 Permit Version: 2 Receiving Water: RIVER MEDLOCK	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: - Effective Date: 31/08/1999 Revocation Date: 31/03/2018
I	463m E	BUTLER STREET/WOODWARD STREET CSO, 112-130 BUTLER STREET, MANCHESTER, GREATER MANCHESTER, M4 7JJ	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0038 Permit Version: 3 Receiving Water: RIVER MEDLOCK	Status: VARIED UNDER EPR 2010 Issue date: 05/02/2016 Effective Date: 05/02/2016 Revocation Date: 05/12/2018
I	463m E	ROLLESTON AVENUE/BUTLER STREET CSO, 2 ROLLESTON AVENUE, MANCHESTER, GREATER MANCHESTER, M40 7HH	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0032 Permit Version: 3 Receiving Water: RIVER MEDLOCK	Status: VARIED UNDER EPR 2010 Issue date: 05/02/2016 Effective Date: 05/02/2016 Revocation Date: 22/10/2019
I	463m E	BUTLER STREET/WOODWARD STREET CSO, 112-130 BUTLER STREET, MANCHESTER, GREATER MANCHESTER, M4 7JJ	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0038 Permit Version: 4 Receiving Water: RIVER MEDLOCK	Status: VARIED UNDER EPR 2010 Issue date: 06/12/2018 Effective Date: 06/12/2018 Revocation Date: -

ID	Location	Address	Details	
I	463m E	ROLLESTON AVENUE/BUTLER STREET CSO, 2 ROLLESTON AVENUE, MANCHESTER, GREATER MANCHESTER, M40 7HH	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0032 Permit Version: 4 Receiving Water: RIVER MEDLOCK	Status: VARIED UNDER EPR 2010 Issue date: 23/10/2019 Effective Date: 23/10/2019 Revocation Date: -
17	496m E	HOLT TOWN/WESTON STREET, MANCHESTER, GREATER MANCHESTER	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0373 Permit Version: 1 Receiving Water: -	Status: SURRENDERED UNDER EPR 2010 Issue date: - Effective Date: 01/01/1995 Revocation Date: 24/11/2014

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

4.13 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.

4.14 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.

4.15 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.

4.16 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.

4.17 Pollution Incidents (EA/NRW)

Records within 500m	20

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

Features are displayed on the Current industrial land use map on **page 58 >**

ID	Location	Details	
A	98m SE	Incident Date: 30/05/2002 Incident Identification: 82011 Pollutant: Inert Materials and Wastes Pollutant Description: Construction and Demolition Materials and Wastes	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
A	98m SE	Incident Date: 30/05/2002 Incident Identification: 82011 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)
A	98m SE	Incident Date: 30/05/2002 Incident Identification: 82011 Pollutant: Inert Materials and Wastes:Specific Waste Materials Pollutant Description: Construction and Demolition Materials and Wastes:Commercial Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
A	122m SE	Incident Date: 28/08/2001 Incident Identification: 27218 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)
A	126m E	Incident Date: 12/08/2001 Incident Identification: 23613 Pollutant: Specific Waste Materials Pollutant Description: Tyres	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)

ID	Location	Details	
A	126m E	Incident Date: 12/08/2001 Incident Identification: 23613 Pollutant: General Biodegradable Materials and Wastes:Specific Waste Materials:Specific Waste Materials:Specific Waste Materials Pollutant Description: Food and Drink:Commercial Waste:Household Waste:Tyres	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
A	126m E	Incident Date: 12/08/2001 Incident Identification: 23613 Pollutant: General Biodegradable Materials and Wastes Pollutant Description: Food and Drink	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
A	126m E	Incident Date: 12/08/2001 Incident Identification: 23613 Pollutant: Specific Waste Materials Pollutant Description: Commercial Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
A	126m E	Incident Date: 12/08/2001 Incident Identification: 23613 Pollutant: Specific Waste Materials Pollutant Description: Household Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
B	129m SE	Incident Date: 10/10/2002 Incident Identification: 114010 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)
B	129m SE	Incident Date: 29/05/2003 Incident Identification: 161551 Pollutant: Inert Materials and Wastes:Oils and Fuel Pollutant Description: Other Inert Material or Waste:Mixed/Waste Oils	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
B	131m SE	Incident Date: 14/07/2003 Incident Identification: 173497 Pollutant: Oils and Fuel Pollutant Description: Unidentified Oil	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
D	148m SW	Incident Date: 22/07/2002 Incident Identification: 93360 Pollutant: Inert Materials and Wastes Pollutant Description: Construction and Demolition Materials and Wastes	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
D	148m SW	Incident Date: 22/07/2002 Incident Identification: 93360 Pollutant: Inert Materials and Wastes Pollutant Description: Construction and Demolition Materials and Wastes	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)

ID	Location	Details	
D	191m SW	Incident Date: 11/03/2002 Incident Identification: 63079 Pollutant: Oils and Fuel Pollutant Description: Mixed/Waste Oils	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
G	372m NE	Incident Date: 23/07/2019 Incident Identification: 1721462 Pollutant: Inert Materials and Wastes Pollutant Description: Construction and Demolition Materials and Wastes	Water Impact: Category 4 (No Impact) Land Impact: Category 2 (Significant) Air Impact: Category 4 (No Impact)
G	372m NE	Incident Date: 23/07/2019 Incident Identification: 1721462 Pollutant: Specific Waste Materials Pollutant Description: Household Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 2 (Significant) Air Impact: Category 4 (No Impact)
J	481m W	Incident Date: 17/05/2001 Incident Identification: 5825 Pollutant: Contaminated Water Pollutant Description: Other Contaminated Water	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
J	481m W	Incident Date: 17/05/2001 Incident Identification: 5825 Pollutant: Contaminated Water Pollutant Description: Other Contaminated Water	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
J	482m W	Incident Date: 22/05/2001 Incident Identification: 6328 Pollutant: Contaminated Water Pollutant Description: Other Contaminated Water	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)

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

4.18 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.

4.19 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.

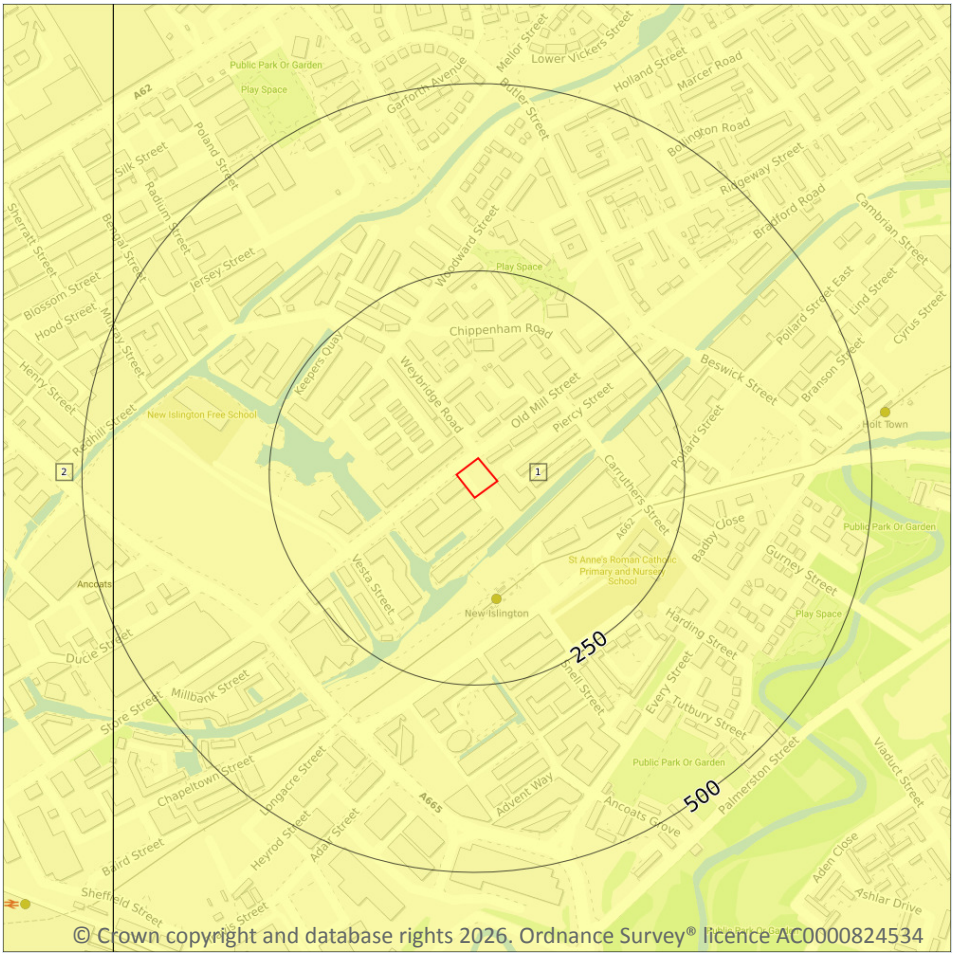
4.20 Pollution inventory radioactive waste

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	2

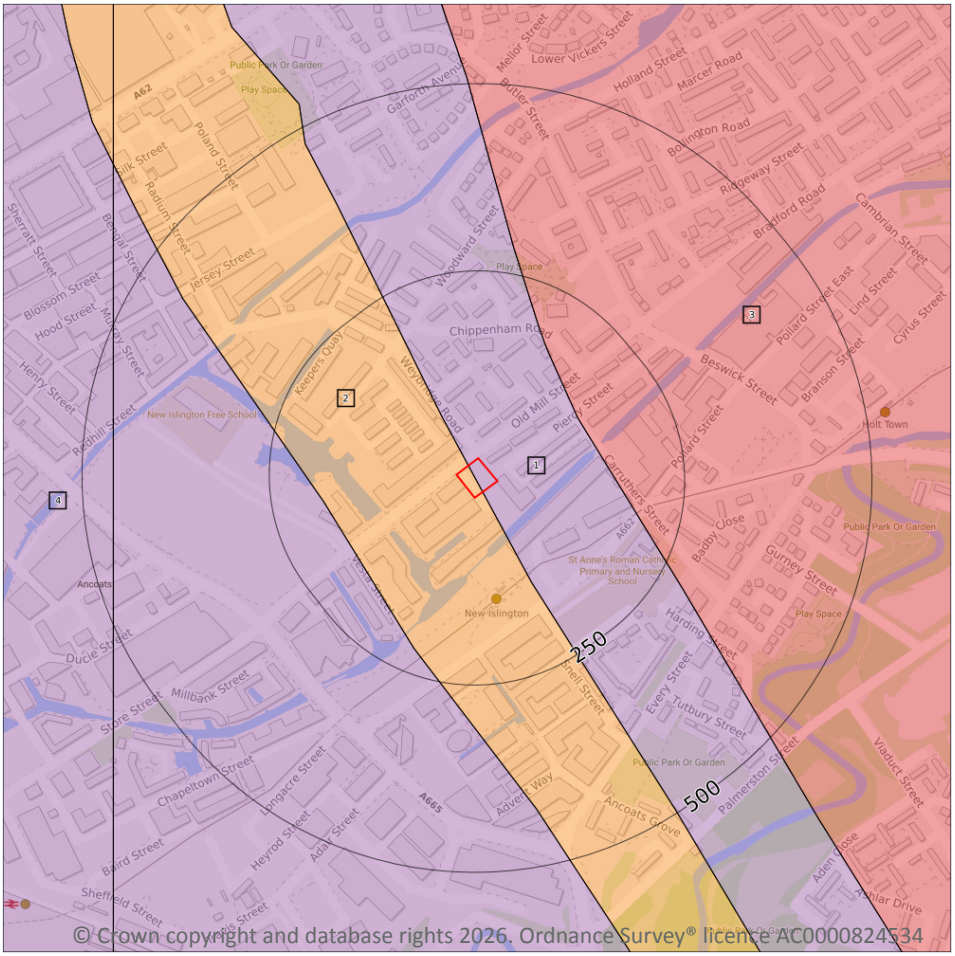
Aquifer status of groundwater held within superficial geology.

Features are displayed on the Hydrogeology map on **page 70 >**

ID	Location	Designation	Description
1	**On site**	**Secondary Undifferentiated**	**Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type**
2	458m W	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	4

Aquifer status of groundwater held within bedrock geology.

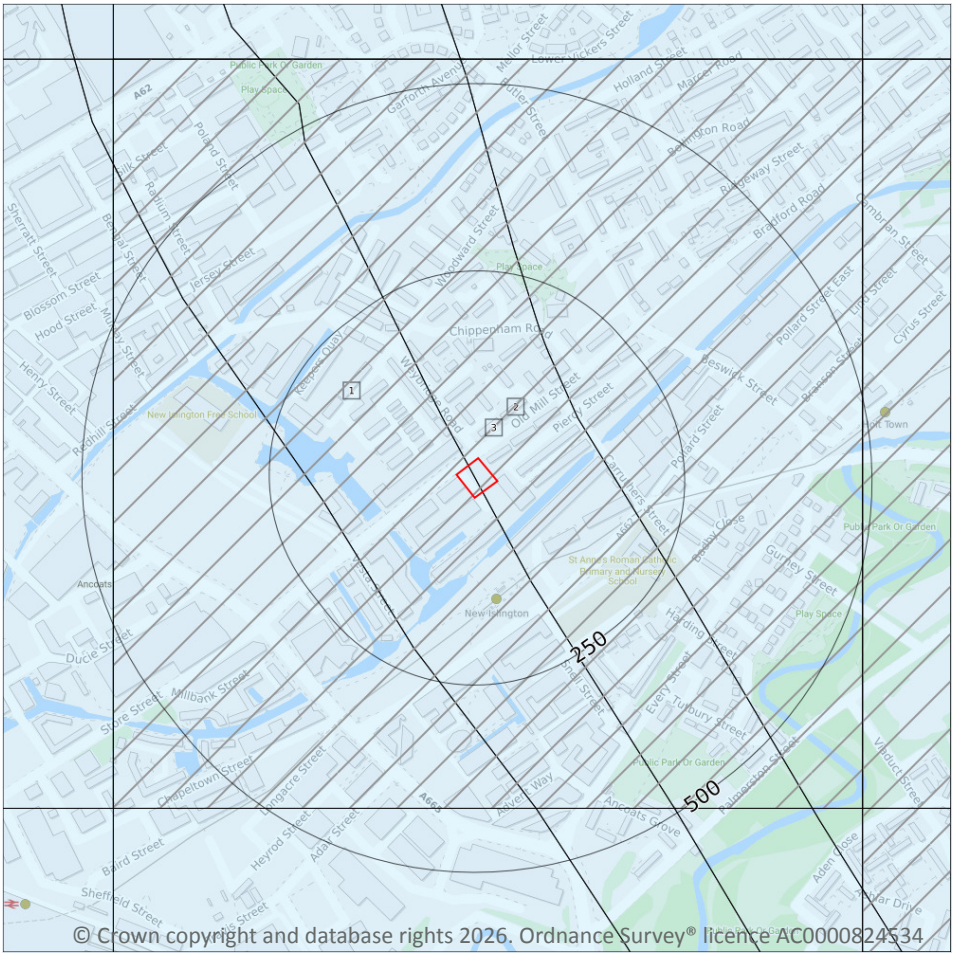
Features are displayed on the Bedrock aquifer map on **page 72 >**

ID	Location	Designation	Description
1	On site	Principal	Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers
2	On site	Secondary B	Predominantly lower permeability layers which may store/yield limited amounts of groundwater due to localised features such as fissures, thin permeablehorizons and weathering. These are generally the water-bearing parts of the former non-aquifers

ID	Location	Designation	Description
3	136m NE	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
4	458m W	Principal	Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers

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

Groundwater vulnerability



Site Outline

Search buffers in metres (m)

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

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

Other information
- Unproductive aquifer
- Soluble rock risk
- Local information

5.3 Groundwater vulnerability

Records within 50m	2

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

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

Features are displayed on the Groundwater vulnerability map on **page 74 >**

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	On site	Summary Classification: Secondary superficial aquifer - Low Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: <40% Dilution value: 300-550mm/year	Vulnerability: Low Aquifer type: Secondary Thickness: >10m Patchiness value: >90% Recharge potential: Low	Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures
2	On site	Summary Classification: Secondary superficial aquifer - Low Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: <40% Dilution value: 300-550mm/year	Vulnerability: Low Aquifer type: Secondary Thickness: >10m Patchiness value: >90% Recharge potential: Low	Vulnerability: Low Aquifer type: Principal Flow mechanism: Well connected fractures

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

5.4 Groundwater vulnerability- soluble rock risk

Records on site	1

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

ID	Maximum soluble risk category	Percentage of grid square covered by maximum risk
3	Significant soluble rocks are likely to be present. Problems unlikely except with considerable surface or subsurface water flow.	2.0%

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

5.5 Groundwater vulnerability- local information

Records on site	0

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

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

Abstractions and Source Protection Zones



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- Site Outline

Search buffers in metres (m)

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

5.6 Groundwater abstractions

Records within 2000m	43

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 76 >**

ID	Location	Details	
-	908m S	Status: Historical Licence No: 2569006001 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Ground Water - North West Region Point: "BOREHOLE AT PREMISES, BROADIE ST, ARDWICK, MANCHESTER" Data Type: Point Name: MOSELEY RUBBER CO LTD Easting: 385240 Northing: 397540	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 08/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 08/02/1966 Version End Date: -
-	908m S	Status: Historical Licence No: 2569006001 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Ground Water - North West Region Point: BOREHOLE AT PREMISES, BROADIE ST, ARDWICK, MANCHESTER Data Type: Point Name: MOSELEY RUBBER CO LTD Easting: 385240 Northing: 397540	Annual Volume (m^3): 331858 Max Daily Volume (m^3): 909.2 Original Application No: - Original Start Date: 08/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 08/02/1966 Version End Date: -
-	1294m SW	Status: Historical Licence No: NW0690006001 Details: Non-Evaporative Cooling Direct Source: Ground Water - North West Region Point: BOREHOLES AT ORIGIN DEVELOPMENTS, MANCHESTER Data Type: Point Name: West Contracting Easting: 384378 Northing: 397733	Annual Volume (m^3): 139128 Max Daily Volume (m^3): 1010 Original Application No: - Original Start Date: 19/01/2009 Expiry Date: 31/03/2015 Issue No: 1 Version Start Date: 19/01/2009 Version End Date: -
-	1294m SW	Status: Historical Licence No: NW/069/0006/001 Details: Non-Evaporative Cooling Direct Source: Ground Water - North West Region Point: BOREHOLES AT ORIGIN DEVELOPMENTS, MANCHESTER Data Type: Point Name: West Contracting Easting: 384378 Northing: 397733	Annual Volume (m^3): 139128 Max Daily Volume (m^3): 1010 Original Application No: - Original Start Date: 19/01/2009 Expiry Date: 31/03/2015 Issue No: 1 Version Start Date: 19/01/2009 Version End Date: -

ID	Location	Details	
-	1429m W	Status: Historical Licence No: 2569007069 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Ground Water - North West Region Point: "BOREHOLE AT GEORGE ST, MANCHESTER" Data Type: Point Name: BRITISH TELECOM Easting: 384100 Northing: 398000	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 27/01/1971 Expiry Date: - Issue No: 100 Version Start Date: 27/01/1971 Version End Date: -
-	1429m W	Status: Historical Licence No: 2569007069 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Ground Water - North West Region Point: BOREHOLE AT GEORGE ST, MANCHESTER Data Type: Point Name: BRITISH TELECOMMUNICATIONS PLC Easting: 384100 Northing: 398000	Annual Volume (m^3): 1100 Max Daily Volume (m^3): 860 Original Application No: - Original Start Date: 01/04/1984 Expiry Date: - Issue No: 100 Version Start Date: 01/04/2007 Version End Date: -
-	1655m S	Status: Historical Licence No: NW/069/0004/005 Details: Heat Pump Direct Source: Ground Water - North West Region Point: AREA OF ABSTRACTION - LOWER CARBONIFEROUS LIMESTONE Data Type: Poly4 Name: G T Energy UK Limited Easting: 385729 Northing: 396778	Annual Volume (m^3): 2049840 Max Daily Volume (m^3): 8640 Original Application No: - Original Start Date: 17/01/2013 Expiry Date: 16/01/2037 Issue No: 2 Version Start Date: 11/06/2013 Version End Date: -
-	1697m NE	Status: Active Licence No: 2569005061 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: BOREHOLE AT NORTON STREET, MILES PLATTING, MANCHESTER Data Type: Point Name: HANSON QUARRY PRODUCTS EUROPE LIMITED Easting: 386550 Northing: 399790	Annual Volume (m^3): 33000 Max Daily Volume (m^3): 125 Original Application No: NPS/WR/011609 Original Start Date: 08/02/2000 Expiry Date: - Issue No: 3 Version Start Date: 13/08/2012 Version End Date: -

ID	Location	Details	
-	1697m NE	Status: Historical Licence No: 2569005061 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: "BOREHOLE AT NORTON STREET, MILES PLATTING, MANCHESTER" Data Type: Point Name: HANSON QUARRY PRODUCTS EUROPE LTD Easting: 386550 Northing: 399790	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 08/02/2000 Expiry Date: - Issue No: 2 Version Start Date: 01/07/2000 Version End Date: -
-	1704m N	Status: Active Licence No: 2569005015 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Ground Water - North West Region Point: B/HOLE, LITTLE GREEN WORKS, COLLYHURST RD, MANCHESTER 10 Data Type: Point Name: Packaging Products (Coatings) Ltd Easting: 385000 Northing: 400100	Annual Volume (m^3): 438689 Max Daily Volume (m^3): 1636.56 Original Application No: NPS/WR/044087 Original Start Date: 16/02/1966 Expiry Date: - Issue No: 103 Version Start Date: 06/03/2025 Version End Date: -
-	1704m N	Status: Historical Licence No: 2569005015 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Ground Water - North West Region Point: "B/HOLE, LITTLE GREEN WORKS, COLLYHURST RD, MANCHESTER 10" Data Type: Point Name: PACKAGING PRODUCTS LTD Easting: 385000 Northing: 400100	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 16/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 21/02/1995 Version End Date: -
-	1776m W	Status: Historical Licence No: 2569007070 Details: General Cooling (Existing Licences Only) (High Loss) Direct Source: Ground Water - North West Region Point: BOREHOLE AT DIAL HOUSE CHAPEL STREET SALFORD Data Type: Point Name: BRITISH TELECOMMUNICATIONS PLC Easting: 383700 Northing: 398700	Annual Volume (m^3): 45 Max Daily Volume (m^3): 30 Original Application No: 2333 Original Start Date: 27/01/1971 Expiry Date: - Issue No: 101 Version Start Date: 01/04/2007 Version End Date: -

ID	Location	Details	
-	1776m W	Status: Historical Licence No: 2569007070 Details: General Cooling (Existing Licences Only) (High Loss) Direct Source: Ground Water - North West Region Point: "BOREHOLE AT DIAL HOUSE, CHAPEL ST, SALFORD" Data Type: Point Name: BRITISH TELECOM Easting: 383700 Northing: 398700	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 27/01/1971 Expiry Date: - Issue No: 100 Version Start Date: 27/01/1971 Version End Date: -
-	1776m W	Status: Historical Licence No: 2569007070 Details: General Cooling (Existing Licences Only) (High Loss) Direct Source: Ground Water - North West Region Point: BOREHOLE AT DIAL HOUSE, CHAPEL ST, SALFORD Data Type: Point Name: BRITISH TELECOMMUNICATIONS PLC Easting: 383700 Northing: 398700	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 27/01/1971 Expiry Date: - Issue No: 101 Version Start Date: 01/04/1984 Version End Date: -
-	1798m NW	Status: Historical Licence No: 2569004023 Details: "Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services" Direct Source: Ground Water - North West Region Point: "BOREHOLE (NO 1) AT PREMISES, STRANGEWAYS, MANCHESTER" Data Type: Point Name: INTERBREW UK LTD Easting: 383850 Northing: 399250	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 18/02/1966 Expiry Date: - Issue No: 102 Version Start Date: 09/08/2000 Version End Date: -
-	1798m NW	Status: Historical Licence No: 2569004023 Details: Process water Direct Source: Ground Water - North West Region Point: "BOREHOLE (NO 1) AT PREMISES, STRANGEWAYS, MANCHESTER" Data Type: Point Name: INTERBREW UK LTD Easting: 383850 Northing: 399250	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 18/02/1966 Expiry Date: - Issue No: 102 Version Start Date: 09/08/2000 Version End Date: -

ID	Location	Details	
-	1798m NW	Status: Historical Licence No: 2569004023 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Ground Water - North West Region Point: BOREHOLE (NO 1) AT PREMISES, STRANGEWAYS, MANCHESTER Data Type: Point Name: INTERBREW UK LTD Easting: 383850 Northing: 399250	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 18/02/1966 Expiry Date: - Issue No: 102 Version Start Date: 01/01/2004 Version End Date: -
-	1798m NW	Status: Historical Licence No: 2569004023 Details: Process water Direct Source: Ground Water - North West Region Point: BOREHOLE (NO 1) AT PREMISES, STRANGEWAYS, MANCHESTER Data Type: Point Name: INTERBREW UK LTD Easting: 383850 Northing: 399250	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 18/02/1966 Expiry Date: - Issue No: 102 Version Start Date: 01/01/2004 Version End Date: -
-	1798m NW	Status: Historical Licence No: 2569004023 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Ground Water - North West Region Point: BOREHOLE NUMBER 1 AT PREMISES STRANGEWAYS MANCHESTER Data Type: Point Name: INTERBREW UK LTD Easting: 383850 Northing: 399250	Annual Volume (m^3): 500000 Max Daily Volume (m^3): 2500 Original Application No: - Original Start Date: 18/02/1966 Expiry Date: - Issue No: 102 Version Start Date: 01/01/2004 Version End Date: -
-	1798m NW	Status: Historical Licence No: 2569004023 Details: Process Water Direct Source: Ground Water - North West Region Point: BOREHOLE NUMBER 1 AT PREMISES STRANGEWAYS MANCHESTER Data Type: Point Name: INTERBREW UK LTD Easting: 383850 Northing: 399250	Annual Volume (m^3): 500000 Max Daily Volume (m^3): 2500 Original Application No: - Original Start Date: 18/02/1966 Expiry Date: - Issue No: 102 Version Start Date: 01/01/2004 Version End Date: -

ID	Location	Details	
-	1799m NW	Status: Historical Licence No: 2569004023 Details: "Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services" Direct Source: Ground Water - North West Region Point: "BOREHOLE (NO 2) AT PREMISES, STRANGEWAYS, MANCHESTER" Data Type: Point Name: INTERBREW UK LTD Easting: 383820 Northing: 399190	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 18/02/1966 Expiry Date: - Issue No: 102 Version Start Date: 09/08/2000 Version End Date: -
-	1799m NW	Status: Historical Licence No: 2569004023 Details: Process water Direct Source: Ground Water - North West Region Point: "BOREHOLE (NO 2) AT PREMISES, STRANGEWAYS, MANCHESTER" Data Type: Point Name: INTERBREW UK LTD Easting: 383820 Northing: 399190	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 18/02/1966 Expiry Date: - Issue No: 102 Version Start Date: 09/08/2000 Version End Date: -
-	1799m NW	Status: Historical Licence No: 2569004023 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Ground Water - North West Region Point: BOREHOLE (NO 2) AT PREMISES, STRANGEWAYS, MANCHESTER Data Type: Point Name: INTERBREW UK LTD Easting: 383820 Northing: 399190	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 18/02/1966 Expiry Date: - Issue No: 102 Version Start Date: 01/01/2004 Version End Date: -
-	1799m NW	Status: Historical Licence No: 2569004023 Details: Process water Direct Source: Ground Water - North West Region Point: BOREHOLE (NO 2) AT PREMISES, STRANGEWAYS, MANCHESTER Data Type: Point Name: INTERBREW UK LTD Easting: 383820 Northing: 399190	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 18/02/1966 Expiry Date: - Issue No: 102 Version Start Date: 01/01/2004 Version End Date: -

ID	Location	Details	
-	1799m NW	Status: Historical Licence No: 2569004023 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Ground Water - North West Region Point: BOREHOLE NUMBER 2 AT PREMISES STRANGEWAYS MANCHESTER Data Type: Point Name: INTERBREW UK LTD Easting: 383820 Northing: 399190	Annual Volume (m^3): 500000 Max Daily Volume (m^3): 2500 Original Application No: - Original Start Date: 18/02/1966 Expiry Date: - Issue No: 102 Version Start Date: 01/01/2004 Version End Date: -
-	1799m NW	Status: Historical Licence No: 2569004023 Details: Process Water Direct Source: Ground Water - North West Region Point: BOREHOLE NUMBER 2 AT PREMISES STRANGEWAYS MANCHESTER Data Type: Point Name: INTERBREW UK LTD Easting: 383820 Northing: 399190	Annual Volume (m^3): 500000 Max Daily Volume (m^3): 2500 Original Application No: - Original Start Date: 18/02/1966 Expiry Date: - Issue No: 102 Version Start Date: 01/01/2004 Version End Date: -
-	1803m NW	Status: Historical Licence No: 2569004023 Details: "Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services" Direct Source: Ground Water - North West Region Point: "BOREHOLE (NO 3) AT PREMISES, STRANGEWAYS, MANCHESTER" Data Type: Point Name: INTERBREW UK LTD Easting: 383830 Northing: 399220	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 18/02/1966 Expiry Date: - Issue No: 102 Version Start Date: 09/08/2000 Version End Date: -
-	1803m NW	Status: Historical Licence No: 2569004023 Details: Process water Direct Source: Ground Water - North West Region Point: "BOREHOLE (NO 3) AT PREMISES, STRANGEWAYS, MANCHESTER" Data Type: Point Name: INTERBREW UK LTD Easting: 383830 Northing: 399220	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 18/02/1966 Expiry Date: - Issue No: 102 Version Start Date: 09/08/2000 Version End Date: -

ID	Location	Details	
-	1803m NW	Status: Historical Licence No: 2569004023 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Ground Water - North West Region Point: BOREHOLE (NO 3) AT PREMISES, STRANGEWAYS, MANCHESTER Data Type: Point Name: INTERBREW UK LTD Easting: 383830 Northing: 399220	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 18/02/1966 Expiry Date: - Issue No: 102 Version Start Date: 01/01/2004 Version End Date: -
-	1803m NW	Status: Historical Licence No: 2569004023 Details: Process water Direct Source: Ground Water - North West Region Point: BOREHOLE (NO 3) AT PREMISES, STRANGEWAYS, MANCHESTER Data Type: Point Name: INTERBREW UK LTD Easting: 383830 Northing: 399220	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 18/02/1966 Expiry Date: - Issue No: 102 Version Start Date: 01/01/2004 Version End Date: -
-	1803m NW	Status: Historical Licence No: 2569004023 Details: Process Water Direct Source: Ground Water - North West Region Point: BOREHOLE NUMBER 3 AT PREMISES STRANGEWAYS MANCHESTER Data Type: Point Name: INTERBREW UK LTD Easting: 383830 Northing: 399220	Annual Volume (m^3): 500000 Max Daily Volume (m^3): 2500 Original Application No: - Original Start Date: 18/02/1966 Expiry Date: - Issue No: 102 Version Start Date: 01/01/2004 Version End Date: -
-	1803m NW	Status: Historical Licence No: 2569004023 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Ground Water - North West Region Point: BOREHOLE NUMBER 3 AT PREMISES STRANGEWAYS MANCHESTER Data Type: Point Name: INTERBREW UK LTD Easting: 383830 Northing: 399220	Annual Volume (m^3): 500000 Max Daily Volume (m^3): 2500 Original Application No: - Original Start Date: 18/02/1966 Expiry Date: - Issue No: 102 Version Start Date: 01/01/2004 Version End Date: -

ID	Location	Details	
-	1849m NW	Status: Historical Licence No: 2569004011 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Ground Water - North West Region Point: BOREHOLE AT DERBY BREWERY, CHEETHAM, MANCHESTER 3 Data Type: Point Name: JOSEPH HOLT LTD Easting: 384100 Northing: 399700	Annual Volume (m^3): 45460 Max Daily Volume (m^3): 181.84 Original Application No: 0423 Original Start Date: 17/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 17/02/1966 Version End Date: -
-	1849m NW	Status: Historical Licence No: 2569004011 Details: Process Water Direct Source: Ground Water - North West Region Point: BOREHOLE AT DERBY BREWERY, CHEETHAM, MANCHESTER 3 Data Type: Point Name: JOSEPH HOLT LTD Easting: 384100 Northing: 399700	Annual Volume (m^3): 45460 Max Daily Volume (m^3): 181.84 Original Application No: 0423 Original Start Date: 17/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 17/02/1966 Version End Date: -
-	1849m NW	Status: Historical Licence No: 2569004011 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Ground Water - North West Region Point: "BOREHOLE AT DERBY BREWERY, CHEETHAM, MANCHESTER 3" Data Type: Point Name: JOSEPH HOLT LTD Easting: 384100 Northing: 399700	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 17/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 17/02/1966 Version End Date: -
-	1849m NW	Status: Historical Licence No: 2569004011 Details: Process water Direct Source: Ground Water - North West Region Point: "BOREHOLE AT DERBY BREWERY, CHEETHAM, MANCHESTER 3" Data Type: Point Name: JOSEPH HOLT LTD Easting: 384100 Northing: 399700	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 17/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 17/02/1966 Version End Date: -

ID	Location	Details	
-	1850m NW	Status: Active Licence No: 2569004011 Details: Process Water Direct Source: Ground Water - North West Region Point: BOREHOLE AT DERBY BREWERY, CHEETHAM, MANCHESTER 3 Data Type: Point Name: JOSEPH HOLT LTD Easting: 384085 Northing: 399685	Annual Volume (m^3): 75000 Max Daily Volume (m^3): 300 Original Application No: NPS/WR/037017 Original Start Date: 17/02/1966 Expiry Date: - Issue No: 101 Version Start Date: 29/06/2023 Version End Date: -
-	1857m SW	Status: Active Licence No: NW/069/0006/003 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: BOREHOLE 1 AT LOWER CHATHAM STREET Data Type: Point Name: Manchester Metropolitan University Easting: 384180 Northing: 397091	Annual Volume (m^3): 283240 Max Daily Volume (m^3): 1532 Original Application No: NPS/WR/015264 Original Start Date: 01/04/2010 Expiry Date: 31/03/2027 Issue No: 2 Version Start Date: 04/04/2014 Version End Date: -
-	1857m SW	Status: Active Licence No: NW/069/0006/003 Details: Heat Pump Direct Source: Ground Water - North West Region Point: BOREHOLE 1 AT LOWER CHATHAM STREET Data Type: Point Name: Manchester Metropolitan University Easting: 384180 Northing: 397091	Annual Volume (m^3): 283240 Max Daily Volume (m^3): 1532 Original Application No: NPS/WR/015264 Original Start Date: 01/04/2010 Expiry Date: 31/03/2027 Issue No: 2 Version Start Date: 04/04/2014 Version End Date: -
-	1857m SW	Status: Historical Licence No: NW/069/0006/003 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: BOREHOLE 1 AT LOWER CHATHAM STREET Data Type: Point Name: Manchester Metropolitan University Easting: 384180 Northing: 397091	Annual Volume (m^3): 283240 Max Daily Volume (m^3): 1532 Original Application No: NPS/WR/015264 Original Start Date: 04/04/2014 Expiry Date: 31/03/2027 Issue No: 2 Version Start Date: 04/04/2014 Version End Date: -
-	1857m SW	Status: Historical Licence No: NW/069/0006/003 Details: Heat Pump Direct Source: Ground Water - North West Region Point: BOREHOLE 1 AT LOWER CHATHAM STREET Data Type: Point Name: Manchester Metropolitan University Easting: 384180 Northing: 397091	Annual Volume (m^3): 283240 Max Daily Volume (m^3): 1532 Original Application No: NPS/WR/015264 Original Start Date: 04/04/2014 Expiry Date: 31/03/2027 Issue No: 2 Version Start Date: 04/04/2014 Version End Date: -

ID	Location	Details	
-	1912m SW	Status: Active Licence No: NW/069/0006/009 Details: Heat Pump Direct Source: Ground Water - North West Region Point: BH1, SCIENCE AND ENGINEERING BUILDING Data Type: Point Name: Manchester Metropolitan University Easting: 383998 Northing: 397209	Annual Volume (m^3): 176000 Max Daily Volume (m^3): 908 Original Application No: NPS/WR/033653 Original Start Date: 22/05/2024 Expiry Date: 31/03/2027 Issue No: 1 Version Start Date: 22/05/2024 Version End Date: -
-	1912m SW	Status: Active Licence No: NW/069/0006/009 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: BH1, SCIENCE AND ENGINEERING BUILDING Data Type: Point Name: Manchester Metropolitan University Easting: 383998 Northing: 397209	Annual Volume (m^3): 176000 Max Daily Volume (m^3): 908 Original Application No: NPS/WR/033653 Original Start Date: 22/05/2024 Expiry Date: 31/03/2027 Issue No: 1 Version Start Date: 22/05/2024 Version End Date: -

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

5.7 Surface water abstractions

Records within 2000m	0

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

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

5.8 Potable abstractions

Records within 2000m	9

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

Features are displayed on the Abstractions and Source Protection Zones map on **page 76 >**

ID	Location	Details	
-	1798m NW	Status: Historical Licence No: 2569004023 Details: "Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services" Direct Source: Ground Water - North West Region Point: "BOREHOLE (NO 1) AT PREMISES, STRANGEWAYS, MANCHESTER" Data Type: Point Name: INTERBREW UK LTD Easting: 383850 Northing: 399250	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 18/02/1966 Expiry Date: - Issue No: 102 Version Start Date: 09/08/2000 Version End Date: -
-	1798m NW	Status: Historical Licence No: 2569004023 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Ground Water - North West Region Point: BOREHOLE (NO 1) AT PREMISES, STRANGEWAYS, MANCHESTER Data Type: Point Name: INTERBREW UK LTD Easting: 383850 Northing: 399250	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 18/02/1966 Expiry Date: - Issue No: 102 Version Start Date: 01/01/2004 Version End Date: -
-	1798m NW	Status: Historical Licence No: 2569004023 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Ground Water - North West Region Point: BOREHOLE NUMBER 1 AT PREMISES STRANGEWAYS MANCHESTER Data Type: Point Name: INTERBREW UK LTD Easting: 383850 Northing: 399250	Annual Volume (m^3): 500000 Max Daily Volume (m^3): 2500 Original Application No: - Original Start Date: 18/02/1966 Expiry Date: - Issue No: 102 Version Start Date: 01/01/2004 Version End Date: -
-	1799m NW	Status: Historical Licence No: 2569004023 Details: "Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services" Direct Source: Ground Water - North West Region Point: "BOREHOLE (NO 2) AT PREMISES, STRANGEWAYS, MANCHESTER" Data Type: Point Name: INTERBREW UK LTD Easting: 383820 Northing: 399190	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 18/02/1966 Expiry Date: - Issue No: 102 Version Start Date: 09/08/2000 Version End Date: -

ID	Location	Details	
-	1799m NW	Status: Historical Licence No: 2569004023 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Ground Water - North West Region Point: BOREHOLE (NO 2) AT PREMISES, STRANGEWAYS, MANCHESTER Data Type: Point Name: INTERBREW UK LTD Easting: 383820 Northing: 399190	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 18/02/1966 Expiry Date: - Issue No: 102 Version Start Date: 01/01/2004 Version End Date: -
-	1799m NW	Status: Historical Licence No: 2569004023 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Ground Water - North West Region Point: BOREHOLE NUMBER 2 AT PREMISES STRANGEWAYS MANCHESTER Data Type: Point Name: INTERBREW UK LTD Easting: 383820 Northing: 399190	Annual Volume (m^3): 500000 Max Daily Volume (m^3): 2500 Original Application No: - Original Start Date: 18/02/1966 Expiry Date: - Issue No: 102 Version Start Date: 01/01/2004 Version End Date: -
-	1803m NW	Status: Historical Licence No: 2569004023 Details: "Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services" Direct Source: Ground Water - North West Region Point: "BOREHOLE (NO 3) AT PREMISES, STRANGEWAYS, MANCHESTER" Data Type: Point Name: INTERBREW UK LTD Easting: 383830 Northing: 399220	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 18/02/1966 Expiry Date: - Issue No: 102 Version Start Date: 09/08/2000 Version End Date: -
-	1803m NW	Status: Historical Licence No: 2569004023 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Ground Water - North West Region Point: BOREHOLE (NO 3) AT PREMISES, STRANGEWAYS, MANCHESTER Data Type: Point Name: INTERBREW UK LTD Easting: 383830 Northing: 399220	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 18/02/1966 Expiry Date: - Issue No: 102 Version Start Date: 01/01/2004 Version End Date: -

ID	Location	Details	
-	1803m NW	Status: Historical Licence No: 2569004023 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Ground Water - North West Region Point: BOREHOLE NUMBER 3 AT PREMISES STRANGEWAYS MANCHESTER Data Type: Point Name: INTERBREW UK LTD Easting: 383830 Northing: 399220	Annual Volume (m^3): 500000 Max Daily Volume (m^3): 2500 Original Application No: - Original Start Date: 18/02/1966 Expiry Date: - Issue No: 102 Version Start Date: 01/01/2004 Version End Date: -

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

5.9 Source Protection Zones

Records within 500m	0

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

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

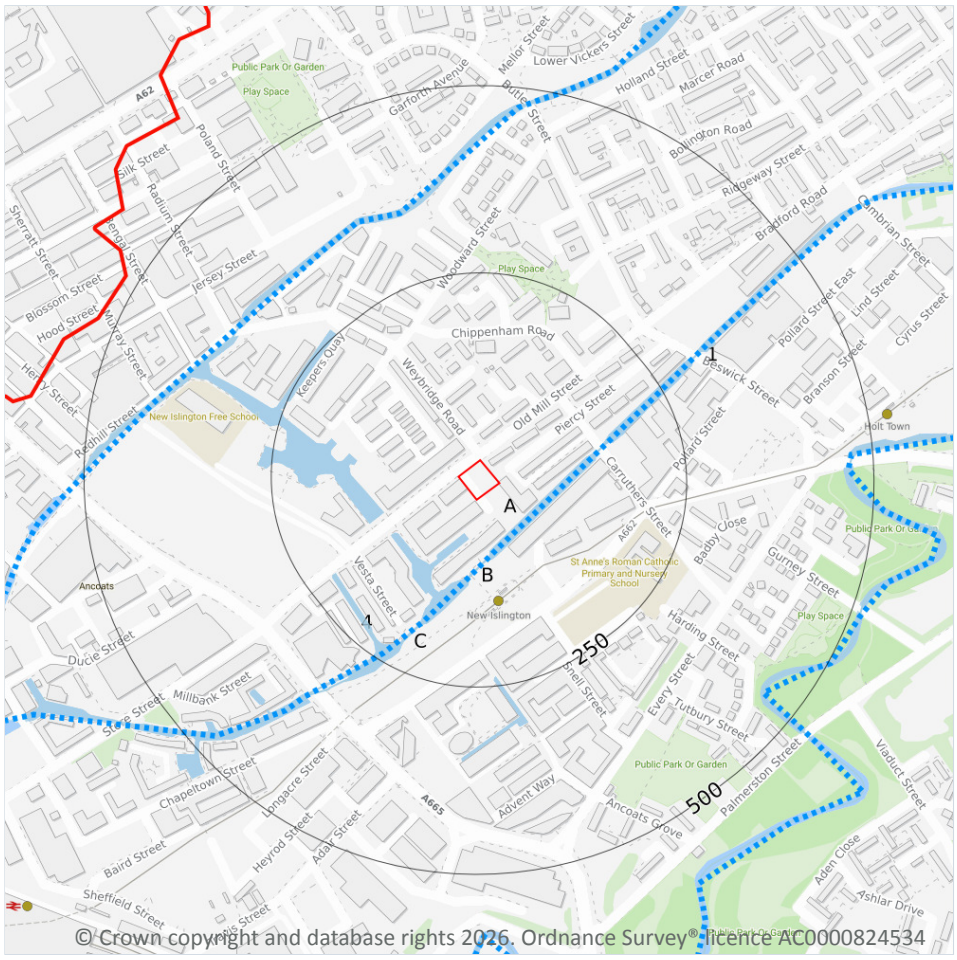
5.10 Source Protection Zones (confined aquifer)

Records within 500m	0

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

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

6 Hydrology



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- Site Outline

Search buffers in metres (m)

- Water Network (OS NGD)
- 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 NGD)

Records within 250m **7**

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 91 >**

ID	Location	Type of water feature	Ground level	Permanence	Name
1	62m SE	Canal. A manmade watercourse for inland navigation.	On ground surface	Watercourse contains water year round (in normal circumstances)	Ashton Canal

ID	Location	Type of water feature	Ground level	Permanence	Name
B	82m S	Lock or flight of locks. An enclosure in a canal or navigable river with gates and sluices at either end.	On ground surface	Watercourse contains water year round (in normal circumstances)	Ashton Canal
B	98m S	Canal. A manmade watercourse for inland navigation.	On ground surface	Watercourse contains water year round (in normal circumstances)	Ashton Canal
C	186m SW	Lock or flight of locks. An enclosure in a canal or navigable river with gates and sluices at either end.	On ground surface	Watercourse contains water year round (in normal circumstances)	Ashton Canal
C	208m SW	Canal. A manmade watercourse for inland navigation.	On ground surface	Watercourse contains water year round (in normal circumstances)	Ashton Canal
4	212m SW	Canal. A manmade watercourse for inland navigation.	On ground surface	Watercourse contains water year round (in normal circumstances)	Islington Branch
C	240m SW	Canal. A manmade watercourse for inland navigation.	On ground surface	Watercourse contains water year round (in normal circumstances)	Ashton Canal

This data is sourced from the Ordnance Survey®.

6.2 Surface water features

Records within 250m	4

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

Features are displayed on the Hydrology map on **page 91 >**

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 91 >**

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
A	**On site**	**River**	**Medlock (Lumb Brook to Irwell)**	**GB112069061152**	**Roch Irk Medlock**	**Irwell**

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

6.4 WFD Surface water bodies

Records identified	**2**

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

Features are displayed on the Hydrology map on **page 91 >**

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
A	62m SE	Canal	Ashton Canal and Peak Forest Canal, lower section	GB71210219 ↗	No longer applicable	Does not require assessment		2022
13	450m SE	River	Medlock (Lumb Brook to Irwell)	GB112069061152 ↗	No longer applicable	Does not require assessment	Moderate	2022

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 91 >**

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
A	**On site**	**Manchester and East Cheshire Permo-Triassic Sandstone Aquifers**	**GB41201G101100 ↗**	**Poor**	**Poor**	**Poor**	**2019**

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

7 River and coastal flooding

7.1 Risk of flooding from rivers and the sea

Records within 50m	0

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

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

7.2 Historical Flood Events

Records within 250m	0

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

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

7.3 Flood Defences

Records within 250m	0

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

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

7.4 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

7.5 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.

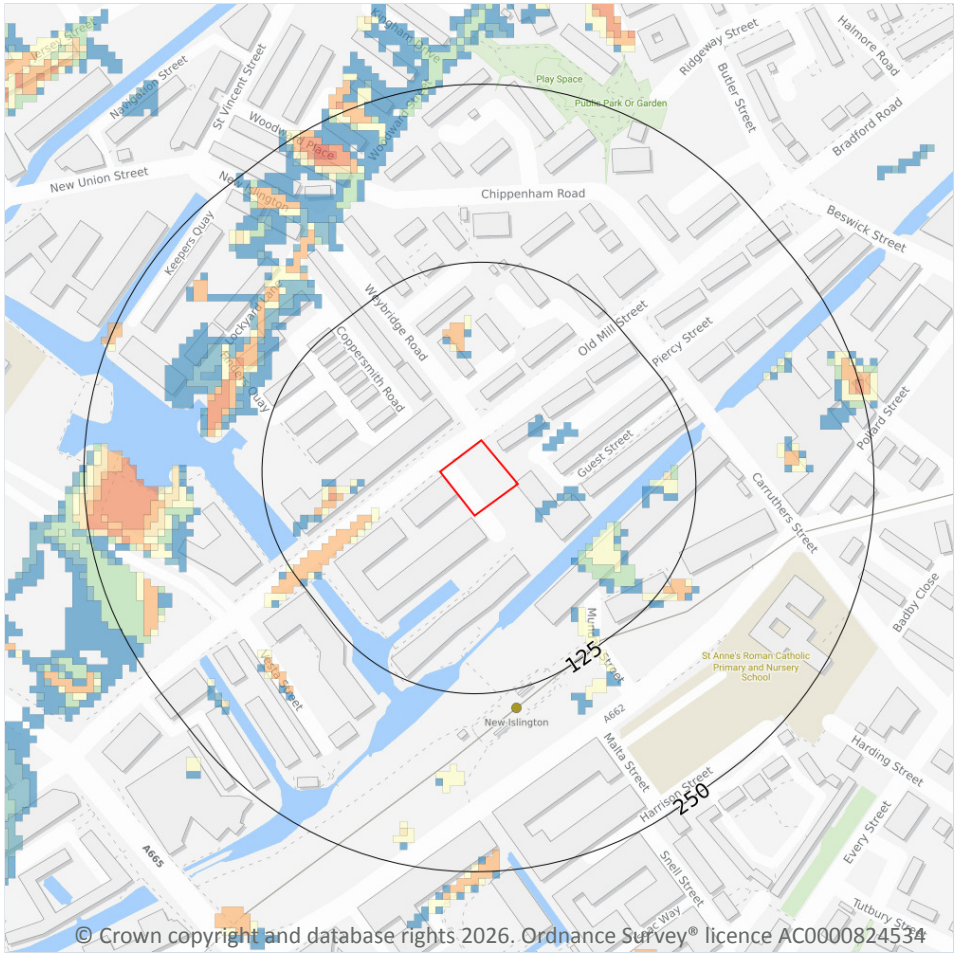
7.6 Flood Zone 3

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



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8.1 Surface water flooding

Highest risk on site	**Negligible**
Highest risk within 50m	**1 in 100 year, 0.1m - 0.3m**

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

Features are displayed on the Surface water flooding map on **page 98 >**

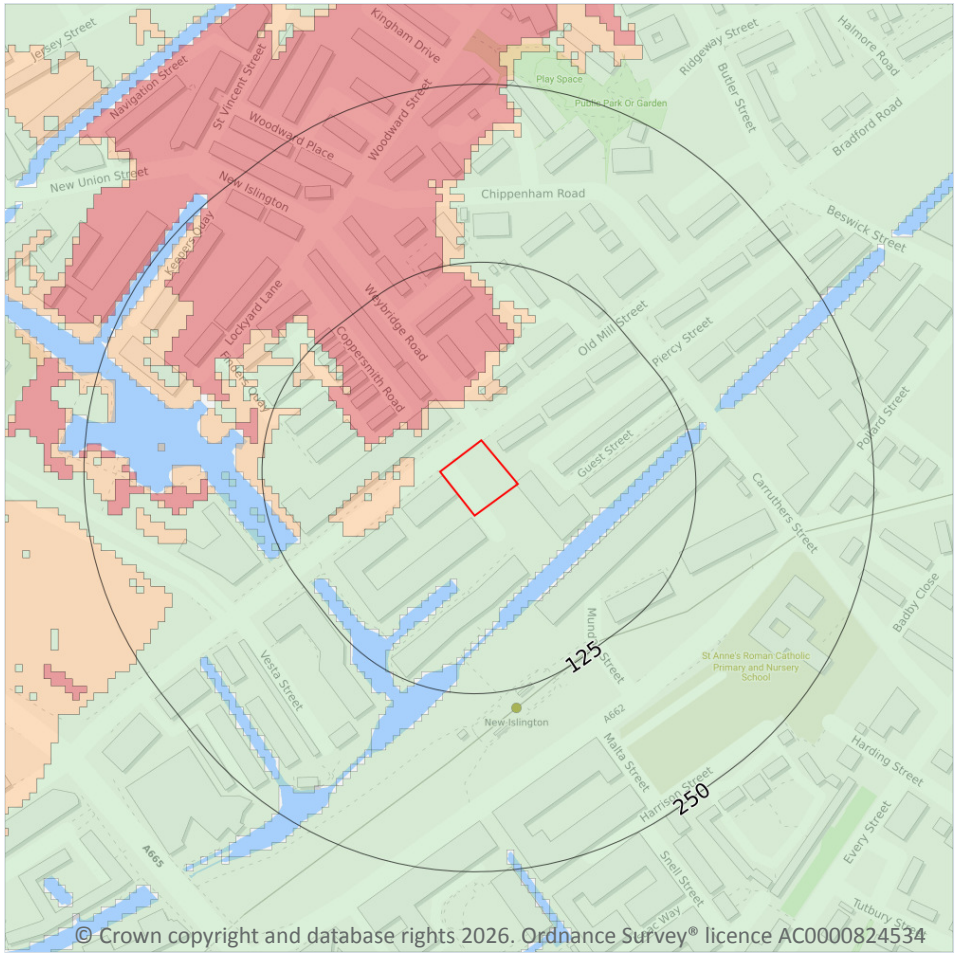
The data shown on the map and in the table above shows the highest likelihood of flood events happening at the site. Lower likelihood events may have greater flood depths and hence a greater potential impact on a site.

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



Site Outline

Search buffers in metres (m)

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

9.1 Groundwater flooding

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

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 100 >**

This data is sourced from Ambiental Risk Analytics.

10 Environmental designations

10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m	0

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

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

10.2 Conserved wetland sites (Ramsar sites)

Records within 2000m	0

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

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

10.3 Special Areas of Conservation (SAC)

Records within 2000m	0

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

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

10.4 Special Protection Areas (SPA)

Records within 2000m	0

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

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

10.5 National Nature Reserves (NNR)

Records within 2000m	0

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

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

10.6 Local Nature Reserves (LNR)

Records within 2000m	0

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.

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

10.7 Designated Ancient Woodland

Records within 2000m	0

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

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

10.8 Biosphere Reserves

Records within 2000m	0

Biosphere Reserves are internationally recognised by UNESCO as sites of excellence to balance conservation and socioeconomic development between nature and people. They are recognised under the Man and the Biosphere (MAB) Programme with the aim of promoting sustainable development founded on the work of the local community.

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

10.9 Forest Parks

Records within 2000m	0

These are areas managed by the Forestry Commission designated on the basis of recreational, conservation or scenic interest.

This data is sourced from the Forestry Commission.

10.10 Marine Conservation Zones

Records within 2000m	0

A type of marine nature reserve in UK waters established under the Marine and Coastal Access Act (2009). They are designated with the aim to protect nationally important, rare or threatened habitats and species.

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

10.11 Green Belt

Records within 2000m	0

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

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

10.12 Proposed Ramsar sites

Records within 2000m	0

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

This data is sourced from Natural England.

10.13 Possible Special Areas of Conservation (pSAC)

Records within 2000m	0

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

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

10.14 Potential Special Protection Areas (pSPA)

Records within 2000m	0

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

This data is sourced from Natural England.

10.15 Nitrate Sensitive Areas

Records within 2000m	0

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

This data is sourced from Natural England.

10.16 Nitrate Vulnerable Zones

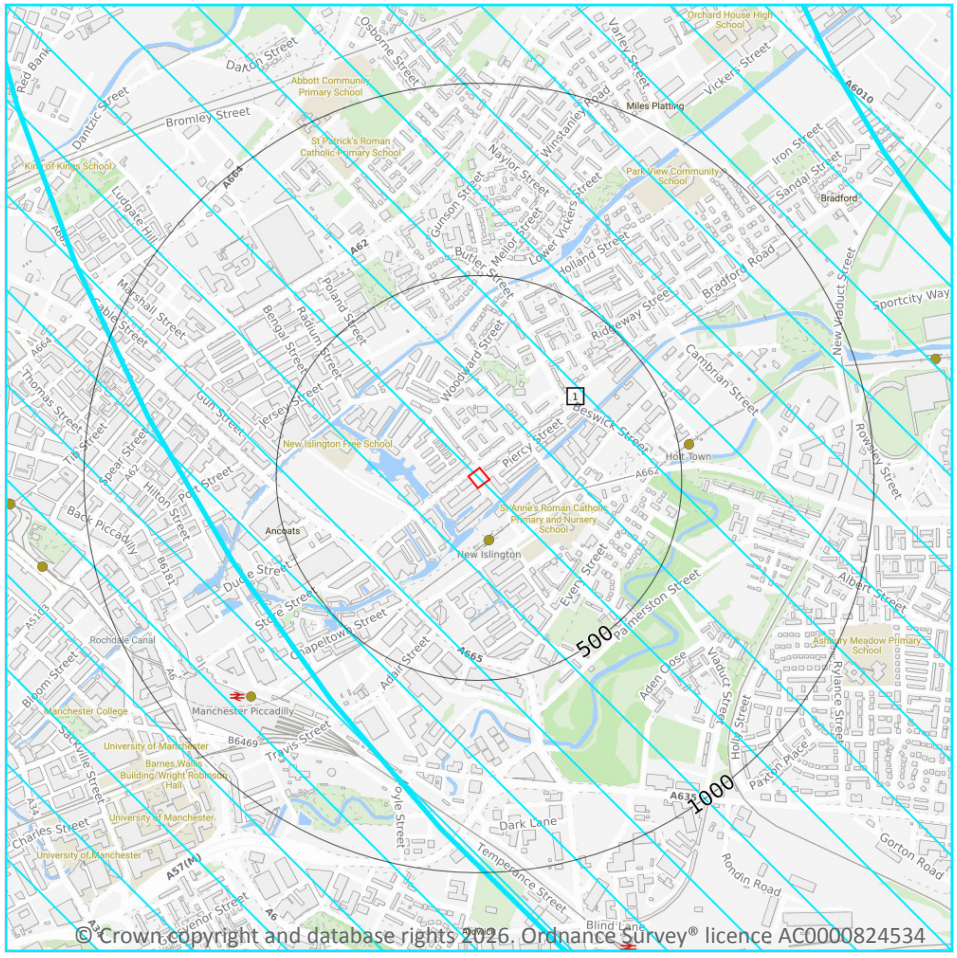
Records within 2000m	4

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

Location	Name	Type	NVZ ID	Status
538m NW	River Irk (Moston Brook to River Irwell) NVZ	Surface Water	638	Existing
1375m W	River Irk (Moston Brook to River Irwell) NVZ	Surface Water	638	Existing
1659m W	Irwell / Man. Ship Canal (Kearsley to Irlam Locks) NVZ	Surface Water	643	Existing
1778m NW	Irwell / Man. Ship Canal (Kearsley to Irlam Locks) NVZ	Surface Water	643	Existing

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

SSSI Impact Zones and Units



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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 105 >**

ID	Location	Type of developments requiring consultation
1	**On site**	**https://irz.geodata.org.uk/IRZ/step2.html?irzcode=0300000430000&notes=&location=387001,397561%20(IRZ%20polygon%20centre)**

This data is sourced from Natural England.

10.18 SSSI Units

Records within 2000m	0

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

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

11 Visual and cultural designations



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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	7

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 107 >**

ID	Location	Name	Grade	Reference Number	Listed date
1	18m SW	Ardwick And Ancoats Hospital	II	1283019	03/10/1974
2	90m S	Ashton Canal Lock Number 3 On South Side Of Ancoats Hospital	II	1283048	06/06/1994
3	144m E	Bridge Number 4 Over Ashton Canal	II	1197777	06/06/1994
4	197m SW	Ashton Canal Lock Number 2 Off South End Of Vesta Street	II	1207654	06/06/1994
A	220m SW	Ashton Canal Lock Keepers Cottage Beside Lock Number 2 At Islington Branch Junction Basin	II	1279636	06/06/1994

ID	Location	Name	Grade	Reference Number	Listed date
A	231m SW	Ashton Canal Towpath Bridge Over Junction With Islington Branch Canal West Of Lock Number 2	II	1197830	06/06/1994
5	234m E	Hope Mill	II*	1246950	06/06/1994

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.

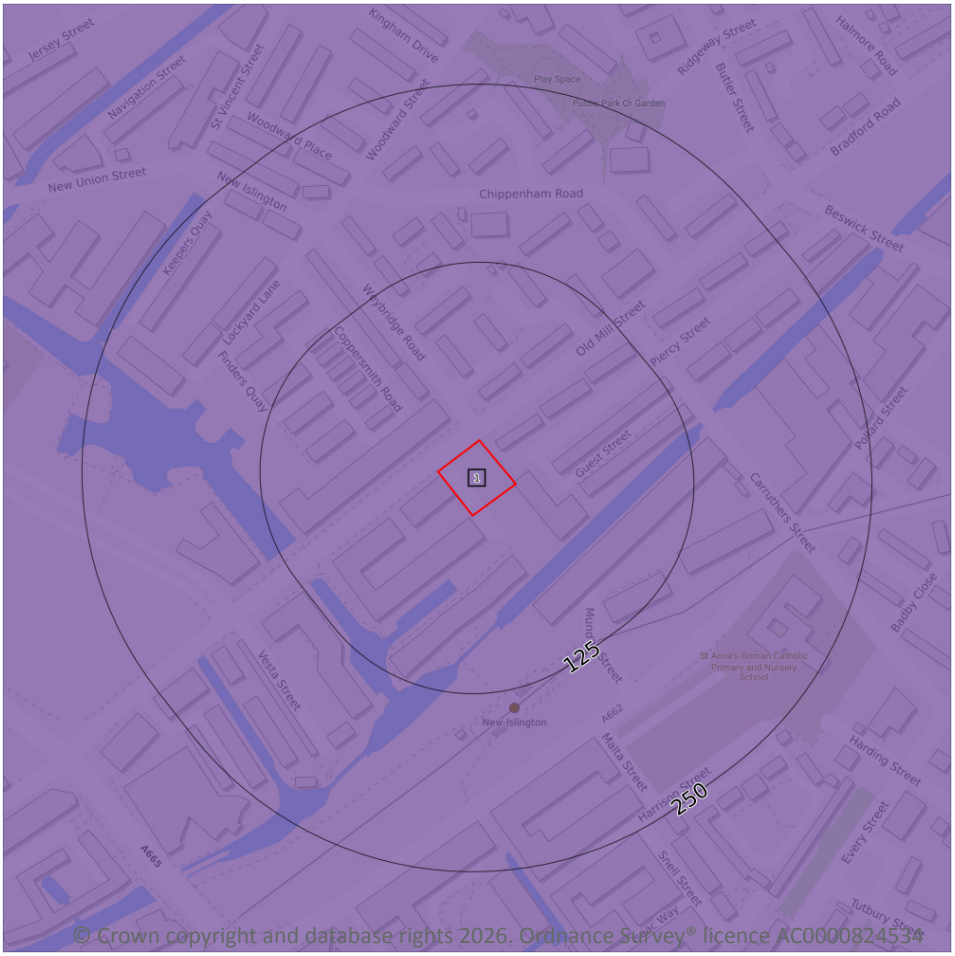
11.7 Registered Parks and Gardens

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 110 >**

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

This data is sourced from Natural England.

12.2 Open Access Land

Records within 250m	0

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

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

12.3 Tree Felling Licences

Records within 250m	0

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

This data is sourced from the Forestry Commission.

12.4 Environmental Stewardship Schemes

Records within 250m	0

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

This data is sourced from Natural England.

12.5 Countryside Stewardship Schemes

Records within 250m	0

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

This data is sourced from Natural England.

13 Habitat designations



Site Outline

Search buffers in metres (m)

Priority Habitat Inventory
Open Mosaic Habitat
Limestone Pavement Orders

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

13.1 Priority Habitat Inventory

Records within 250m	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	1

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

Features are displayed on the Habitat designations map on **page 112 >**

ID	Location	Site reference	Identification confidence	Primary source	Secondary source	Tertiary source
1	25m NW	NLUD Ref: 421501470	Low	National Land Use Database - Previously Developed Land	UK Perspectives Aerial Photography	-

This data is sourced from Natural England.

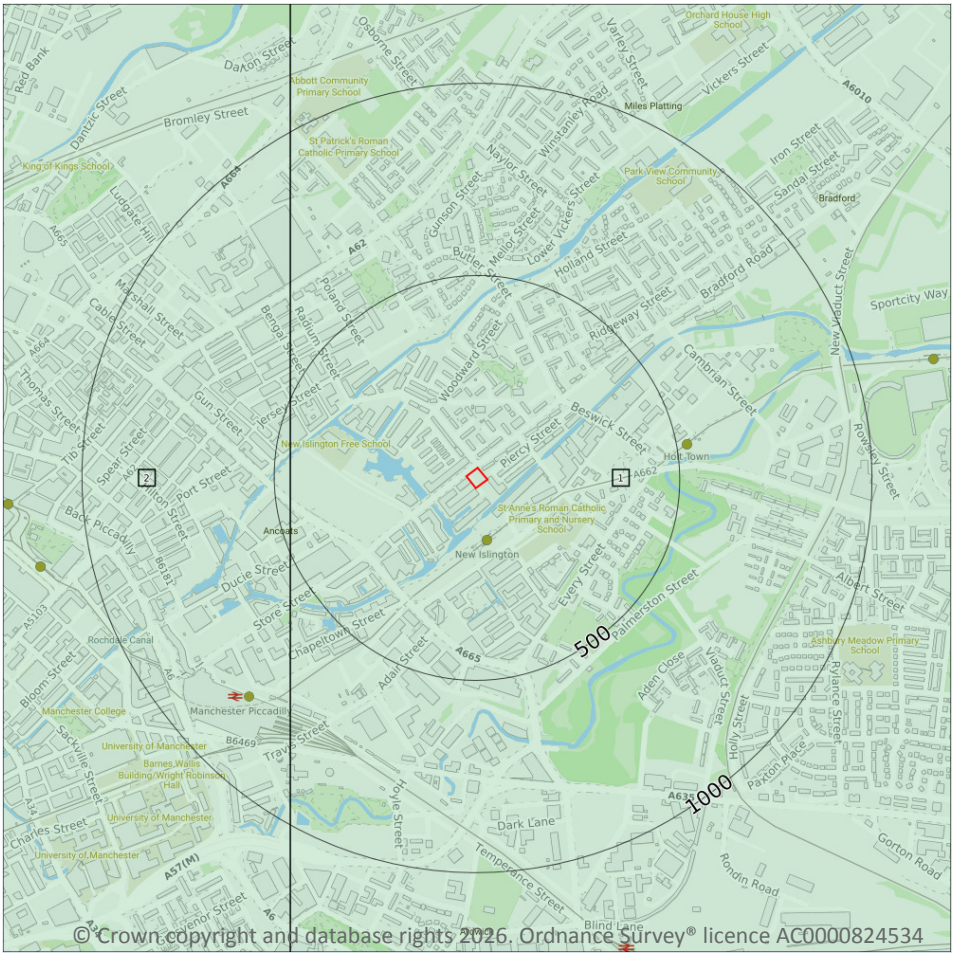
13.4 Limestone Pavement Orders

Records within 250m	0

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

This data is sourced from Natural England.

14 Geology 1:10,000 scale - Availability



Site Outline

Search buffers in metres (m)

Full coverage

Partial coverage

No coverage

14.1 10k Availability

Records within 500m	2

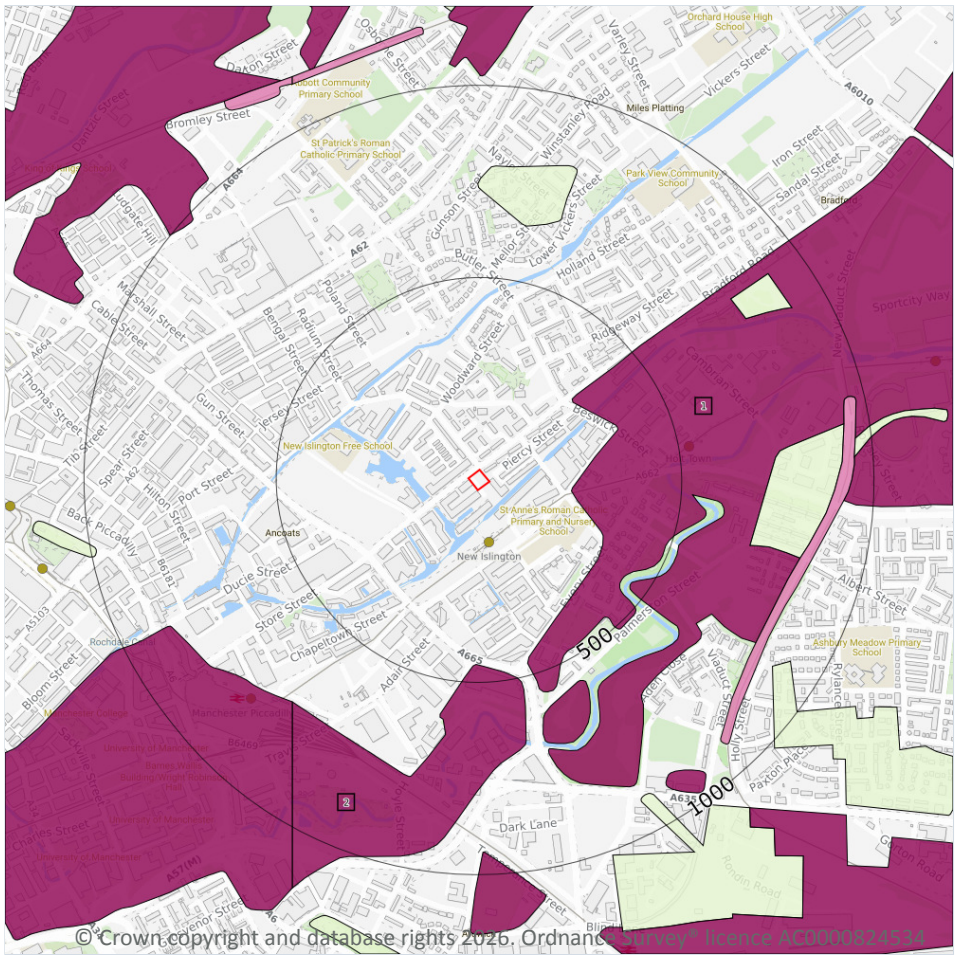
An indication on the coverage of 1:10,000 scale geology data for the site, the most detailed dataset provided by the British Geological Survey. Either 'Full', 'Partial' or 'No coverage' for each geological theme.

Features are displayed on the Geology 1:10,000 scale - Availability map on **page 114 >**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	**On site**	**Full**	**Full**	**Full**	**Full**	**SJ89NE**
2	458m W	Full	Full	Full	No coverage	SJ89NW

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	2

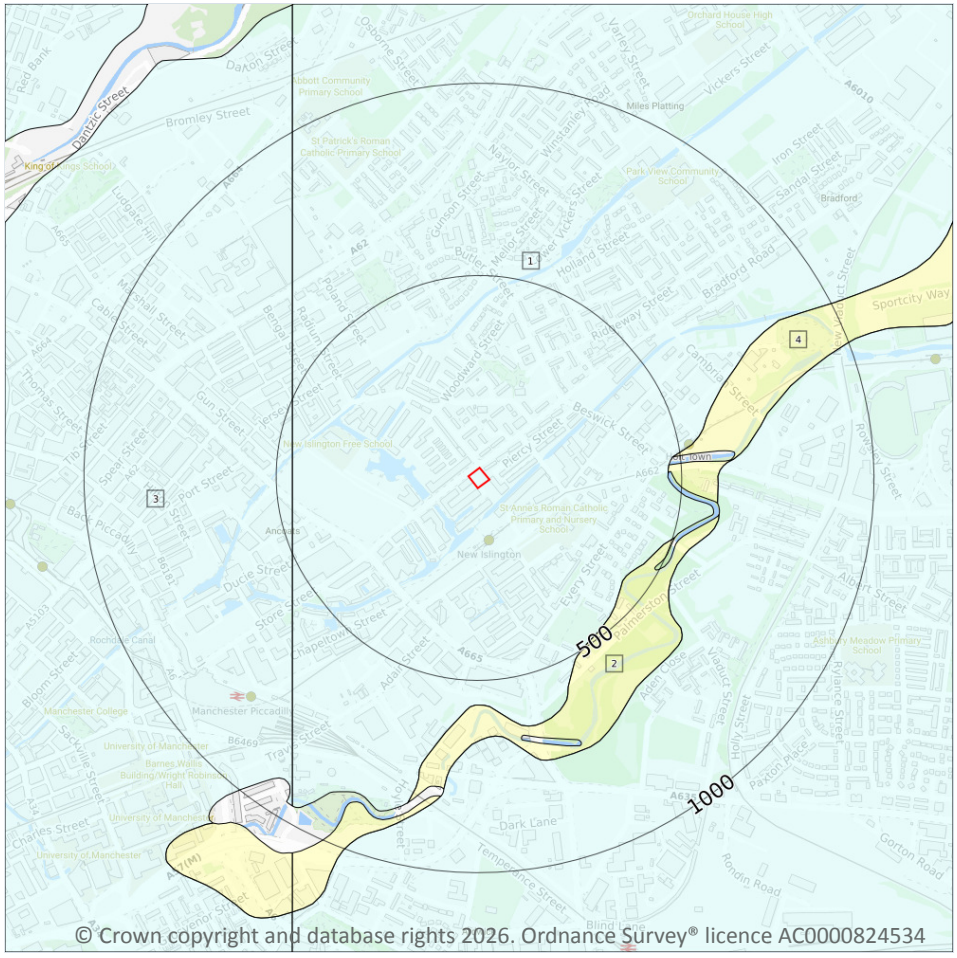
Details of made, worked, infilled, disturbed and landscaped ground at 1:10,000 scale. Artificial ground can be associated with potentially contaminated material, unpredictable engineering conditions and instability.

Features are displayed on the Geology 1:10,000 scale - Artificial and made ground map on **page 115 >**

ID	Location	LEX Code	Description	Rock description
1	215m E	MGR-ARTDP	Made Ground (Undivided)	Artificial deposit
2	453m S	MGR-ARTDP	Made Ground (Undivided)	Artificial deposit

This data is sourced from the British Geological Survey.

Geology 1:10,000 scale - Superficial



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14.3 Superficial geology (10k)

Records within 500m **4**

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

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

ID	Location	LEX Code	Description	Rock description
1	**On site**	**TILLD-DMTN**	**Till, Devensian-Diamicton**	**Diamicton**
2	435m SE	ALV-XCZSV	Alluvium-Clay, Silt, Sand And Gravel	Clay, silt, sand and gravel
3	458m W	TILLD-DMTN	Till, Devensian-Diamicton	Diamicton

ID	Location	LEX Code	Description	Rock description
4	465m E	ALV-XCZSV	Alluvium-Clay, Silt, Sand And Gravel	Clay, silt, sand and gravel

This data is sourced from the British Geological Survey.

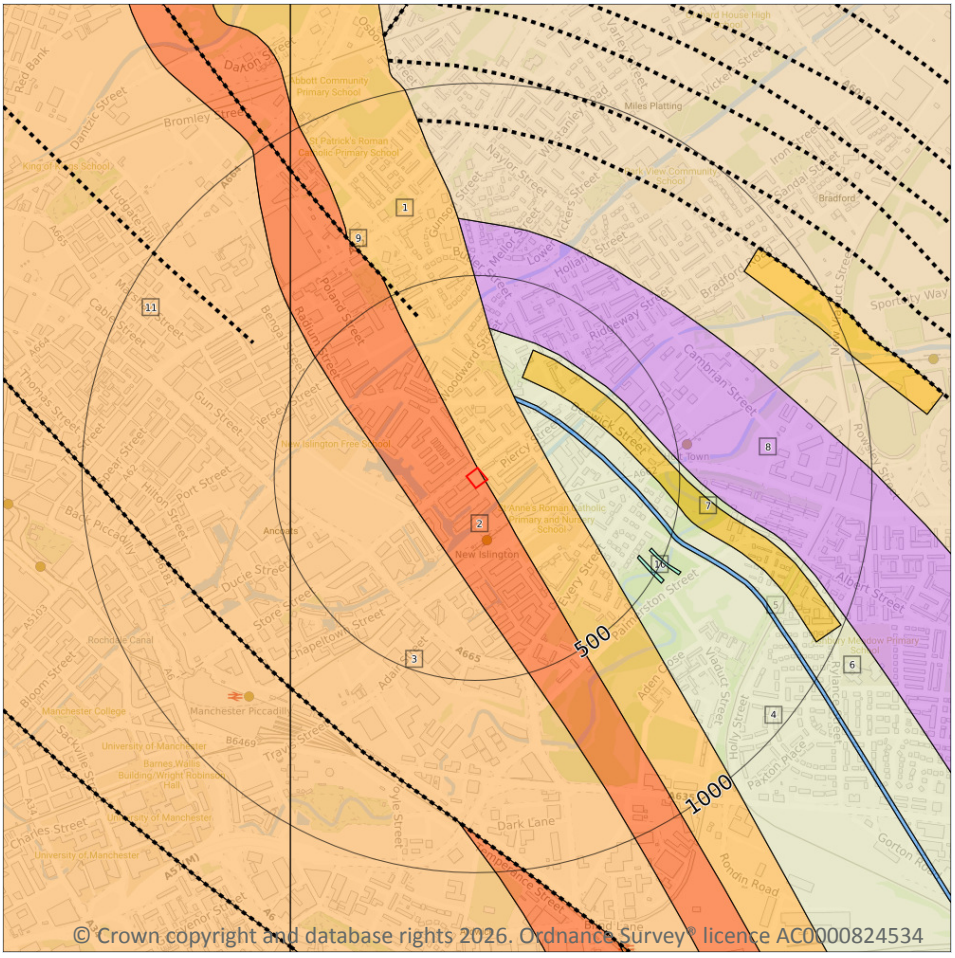
14.4 Landslip (10k)

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 **11**

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

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

ID	Location	LEX Code	Description	Rock age
1	**On site**	**CS-SDST**	**Collyhurst Sandstone Formation-Sandstone**	**Not Defined**
2	**On site**	**MM-MDST**	**Manchester Marls Formation-Mudstone**	**Not Defined**
3	156m SW	CHES-PESST	Chester Formation-Pebbly (Gravelly) Sandstone	Olenekian
4	162m NE	HA-MDSS	Halesowen Formation-Mudstone, Siltstone And Sandstone	Westphalian

ID	Location	LEX Code	Description	Rock age
5	199m NE	GML-LMST	Great Mine Limestone-Limestone	Westphalian
6	209m NE	HA-MDSS	Halesowen Formation-Mudstone, Siltstone And Sandstone	Westphalian
7	262m NE	HTS-SDST	Holt Town Sandstone Bed-Sandstone	Westphalian
8	354m N	ETM-STMD	Etruria Formation-Sandstone And Mudstone	Westphalian
10	440m SE	YDLS-LMST	Yard Limestone-Limestone	Westphalian
11	458m W	CHES-PESST	Chester Formation-Pebbly (Gravelly) Sandstone	Olenekian
12	460m SE	HYLS-LMST	Half Yard Limestone-Limestone	Westphalian

This data is sourced from the British Geological Survey.

14.6 Bedrock faults and other linear features (10k)

Records within 500m	**1**

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

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

ID	Location	Category	Description
9	424m N	FAULT	Fault, inferred, displacement unknown

This data is sourced from the British Geological Survey.

15 Geology 1:50,000 scale - Availability



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Site Outline

Search buffers in metres (m)

Geological map tile

15.1 50k Availability

Records within 500m	1

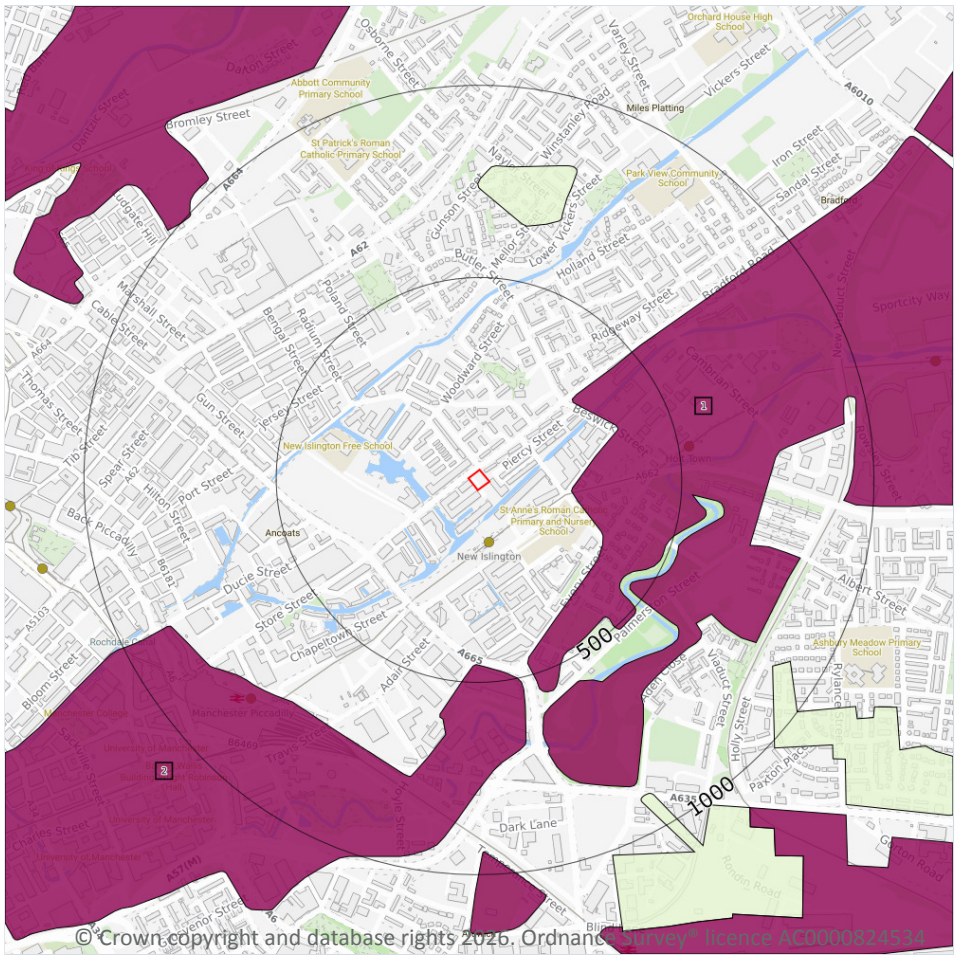
An indication on the coverage of 1:50,000 scale geology data for the site. Either 'Full' or 'No coverage' for each geological theme.

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

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



Site Outline

Search buffers in metres (m)

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

15.2 Artificial and made ground (50k)

Records within 500m	2

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

Features are displayed on the Geology 1:50,000 scale - Artificial and made ground map on **page 121 >**

ID	Location	LEX Code	Description	Rock description
1	215m E	MGR-ARTDP	Made Ground	Artificial deposit
2	454m S	MGR-ARTDP	Made Ground	Artificial deposit

This data is sourced from the British Geological Survey.

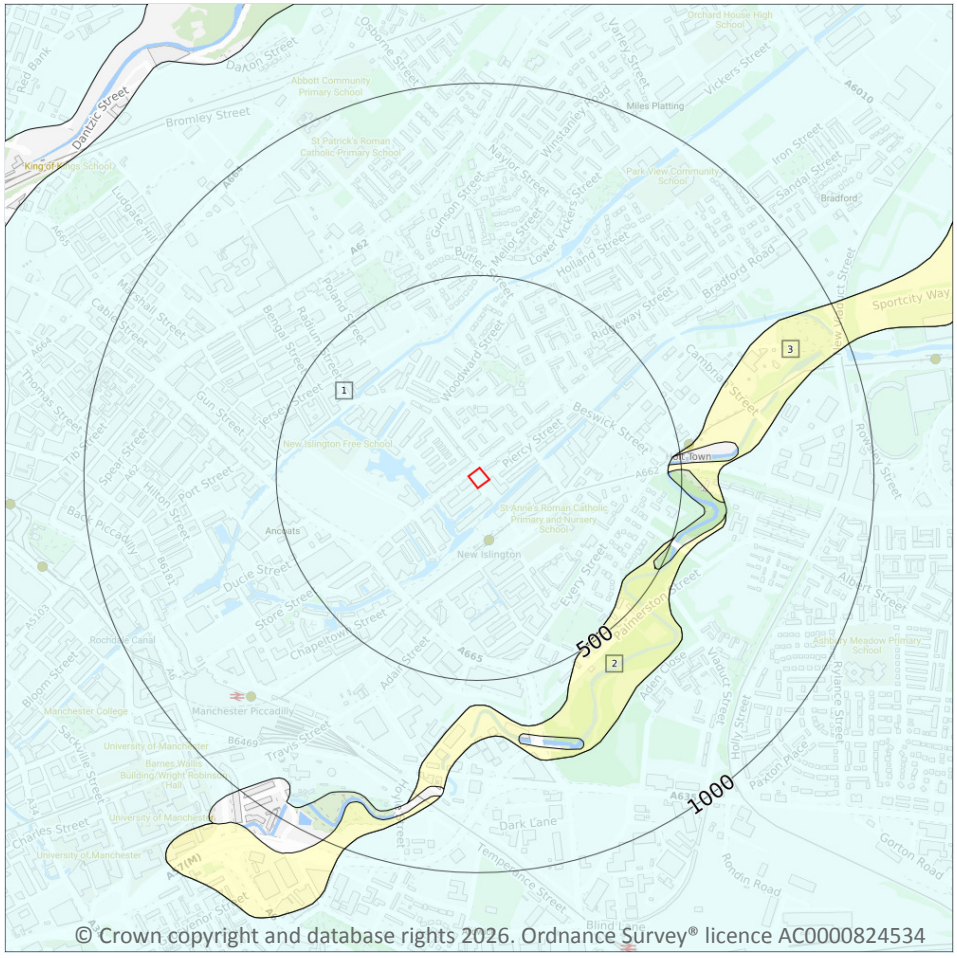
15.3 Artificial ground permeability (50k)

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



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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 **3**

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

Features are displayed on the Geology 1:50,000 scale - Superficial map on **page 123 >**

ID	Location	LEX Code	Description	Rock description
1	**On site**	**TILLD-DMTN**	**Till, Devensian**	**Diamicton**
2	435m SE	ALV-XCZSV	Alluvium	Clay, silt, sand and gravel
3	465m E	ALV-XCZSV	Alluvium	Clay, silt, sand and gravel

This data is sourced from the British Geological Survey.

15.5 Superficial permeability (50k)

Records within 50m	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.

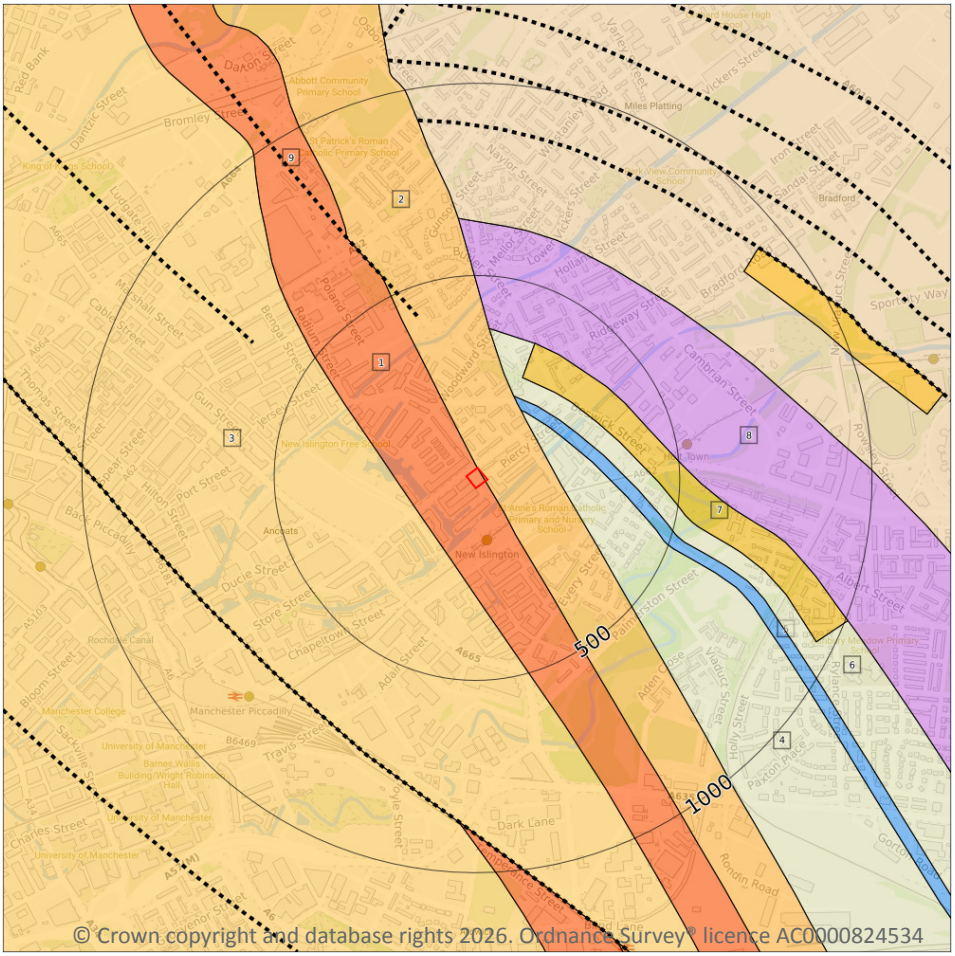
15.7 Landslip permeability (50k)

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 125 >**

ID	Location	LEX Code	Description	Rock age
1	**On site**	**MM-MDST**	**Manchester Marls Formation-Mudstone**	**Not Defined**
2	**On site**	**CS-SDST**	**Collyhurst Sandstone Formation-Sandstone**	**Not Defined**
3	156m SW	CHES-SDST	Chester Formation-Sandstone	Olenekian
4	162m NE	HA-MDSS	Halesowen Formation-Mudstone, siltstone and sandstone	Westphalian

ID	Location	LEX Code	Description	Rock age
5	187m NE	GML-LMST	Great Mine Limestone-Limestone	Westphalian
6	209m NE	HA-MDSS	Halesowen Formation-Mudstone, siltstone and sandstone	Westphalian
7	262m NE	HTS-SDST	Holt Town Sandstone Bed-Sandstone	Westphalian
8	354m N	ETM-STMD	Etruria Formation-Sandstone and mudstone	Westphalian

This data is sourced from the British Geological Survey.

15.9 Bedrock permeability (50k)

Records within 50m	**2**

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

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

This data is sourced from the British Geological Survey.

15.10 Bedrock faults and other linear features (50k)

Records within 500m	**1**

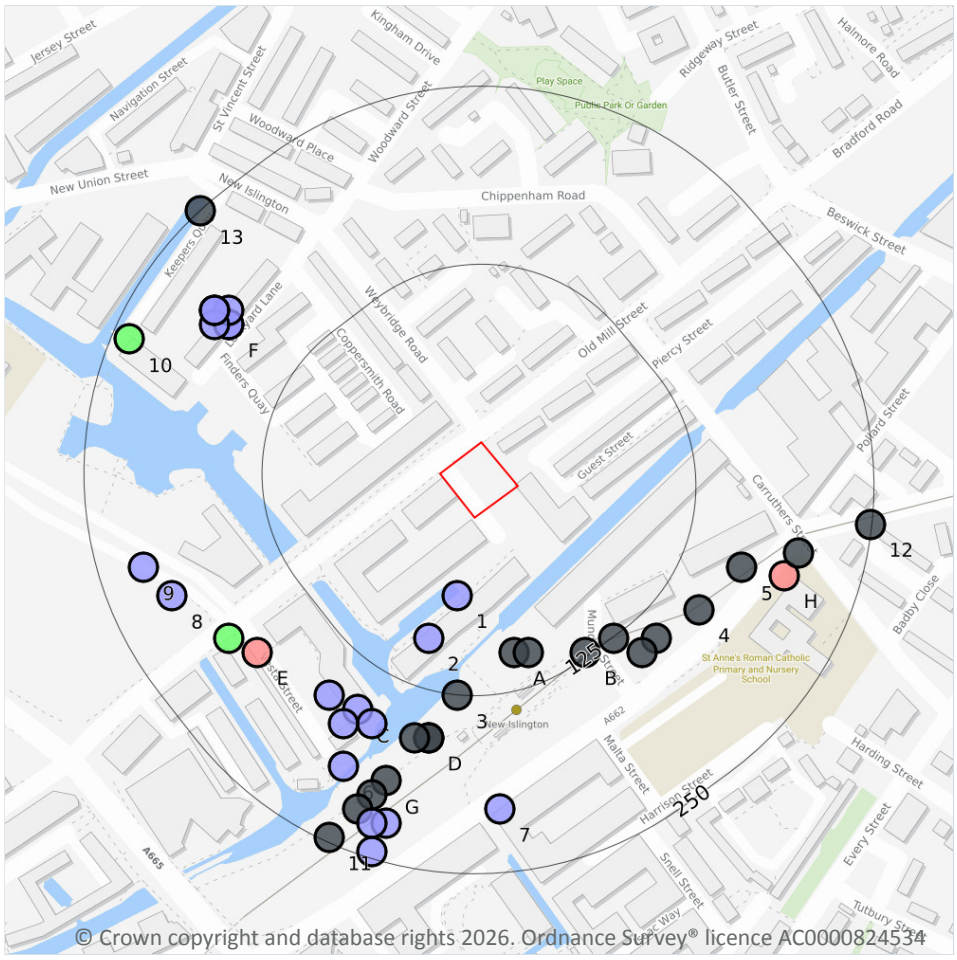
Linear features at the ground or bedrock surface at 1:50,000 scale of six main types; rock, fault, fold axis, mineral vein, alteration area or landform. Features are either observed or inferred, and relate primarily to bedrock.

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

ID	Location	Category	Description
9	425m N	FAULT	Fault, inferred, crossmark on downthrow side, throw in metres

This data is sourced from the British Geological Survey.

16 Boreholes



16.1 BGS Boreholes

Records within 250m	42

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 127 >**

ID	Location	Grid reference	Name	Length	Confidential	Web link
1	56m S	385470 398360	ANCOATS HOSPITAL SITE ANCOATS MANCHESTER TP6	3.0	N	17722641 ↗
2	91m S	385450 398330	ANCOATS HOSPITAL SITE ANCOATS MANCHESTER TP5	4.0	N	17722639 ↗

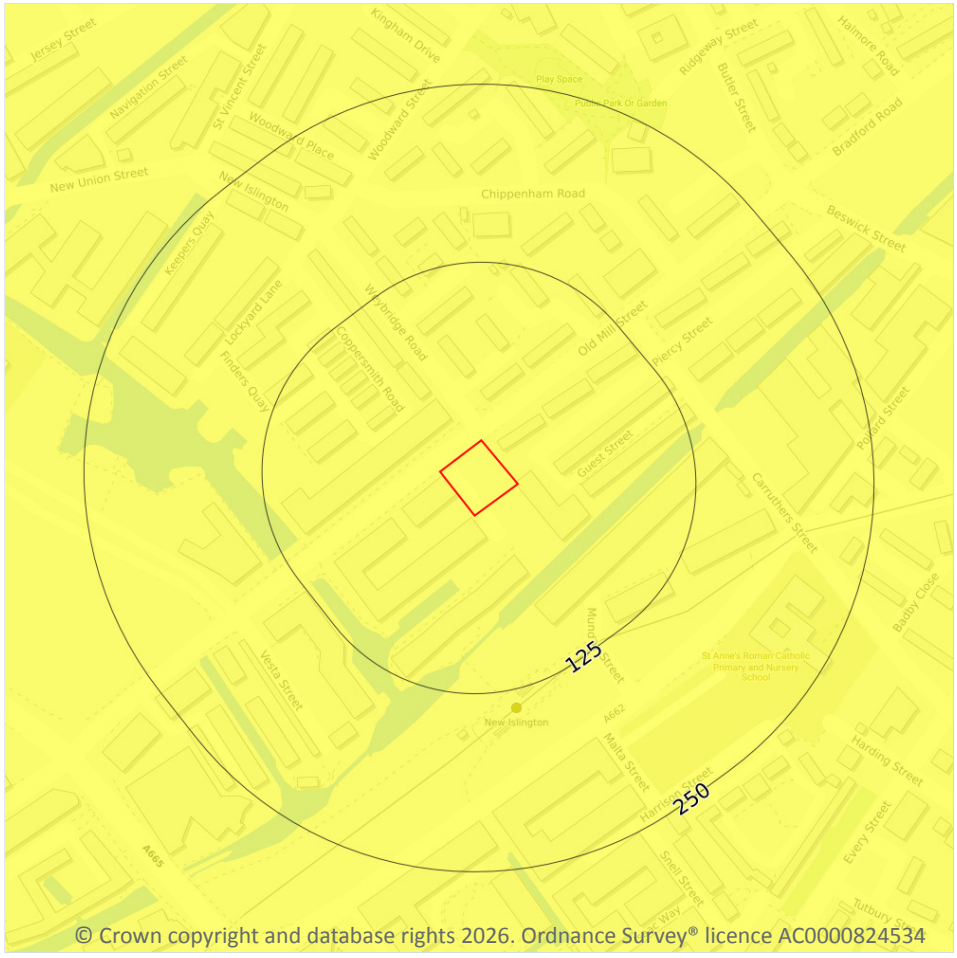
ID	Location	Grid reference	Name	Length	Confidential	Web link
A	99m S	385510 398320	MANCHESTER METRO PHASE 3 EXTENSION TO COMMONWEALTH WEALTH GAMES STADIUM TP C3	-	Y	N/A
A	102m S	385520 398320	MANCHESTER METRO PHASE 3 EXTENSION TO COMMONWEALTH WEALTH GAMES STADIUM BHC1	-	Y	N/A
B	122m SE	385560 398320	MANCHESTER METRO PHASE 3 EXTENSION TO COMMONWEALTH WEALTH GAMES STADIUM TP C4	-	Y	N/A
3	125m S	385470 398290	MANCHESTER METRO PHASE 3 EXTENSION TO COMMONWEALTH WEALTH GAMES STADIUM TP C2	-	Y	N/A
B	126m SE	385580 398330	MANCHESTER METRO PHASE 3 EXTENSION TO COMMONWEALTH WEALTH GAMES STADIUM TP C5	-	Y	N/A
B	144m SE	385610 398330	MANCHESTER METRO PHASE 3 EXTENSION TO COMMONWEALTH WEALTH GAMES STADIUM TP C6	-	Y	N/A
B	146m SE	385600 398320	MANCHESTER METRO PHASE 3 EXTENSION TO COMMONWEALTH WEALTH GAMES STADIUM BHC2	-	Y	N/A
4	154m SE	385640 398350	MANCHESTER METRO PHASE 3 EXTENSION TO COMMONWEALTH WEALTH GAMES STADIUM TP C7	-	Y	N/A
C	158m SW	385400 398280	ANCOATS HOSPITAL SITE ANCOATS MANCHESTER TP3	4.0	N	17722636 ↗
D	158m S	385450 398260	MANCHESTER METRO PHASE 3 EXTENSION TO COMMONWEALTH WEALTH GAMES STADIUM TP B9	-	Y	N/A
D	158m S	385450 398260	MANCHESTER METRO PHASE 3 EXTENSION TO COMMONWEALTH WEALTH GAMES STADIUM TP C1	-	Y	N/A
D	160m S	385440 398260	MANCHESTER METRO PHASE 3 EXTENSION TO COMMONWEALTH WEALTH GAMES STADIUM BHB10	-	Y	N/A
C	161m SW	385380 398290	ANCOATS HOSPITAL SITE ANCOATS MANCHESTER TP2	3.0	N	17722635 ↗
C	162m SW	385410 398270	INNER RING ROAD SECTION 2 PHASE 1 MANCHESTER 5	8.1	N	937113 ↗

ID	Location	Grid reference	Name	Length	Confidential	Web link
5	167m E	385670 398380	MANCHESTER METRO PHASE 3 EXTENSION TO COMMONWEALTH WEALTH GAMES STADIUM TP C8	-	Y	N/A
C	172m SW	385390 398270	ANCOATS HOSPITAL SITE ANCOATS MANCHESTER TP1	3.0	N	17722632 ↗
E	178m SW	385330 398320	INNER RING ROAD SECTION 2 PHASE 1 MANCHESTER 7/7A	34.15	N	937115 ↗
F	181m NW	385310 398550	WINDER DRIVE TP 4	2.15	N	937246 ↗
F	181m NW	385310 398550	HOSTEL WINDER DRIVE ANCOATS 2	6.5	N	937248 ↗
F	187m NW	385310 398560	WINDER DRIVE TP 2	1.1	N	937244 ↗
E	188m SW	385310 398330	INNER RING ROAD SECTION 2 PHASE 1 MANCHESTER 8	21.33	N	937116 ↗
F	190m NW	385300 398550	WINDER DRIVE TP 3	2.25	N	937245 ↗
G	195m S	385420 398230	MANCHESTER METRO PHASE 3 EXTENSION TO COMMONWEALTH WEALTH GAMES STADIUM TP B8	-	Y	N/A
F	195m NW	385300 398560	WINDER DRIVE TP 1	1.7	N	937243 ↗
F	195m NW	385300 398560	HOSTEL WINDER DRIVE ANCOATS 1	10.0	N	937247 ↗
6	197m SW	385390 398240	INNER RING ROAD SECTION 2 PHASE 1 MANCHESTER 6	8.2	N	937114 ↗
H	198m E	385700 398374	HUGH STEVENSON & SONS LTD, POLLARD STREET	60.96	N	936506 ↗
H	203m E	385710 398390	MANCHESTER METRO PHASE 3 EXTENSION TO COMMONWEALTH WEALTH GAMES STADIUM BHD1	-	Y	N/A
7	205m S	385500 398210	INNER RING ROAD SECTION 2 PHASE 1 MANCHESTER 4	8.08	N	937112 ↗
8	207m SW	385270 398360	WHARF STREET 2	5.0	N	937232 ↗
G	208m S	385410 398220	MANCHESTER METRO PHASE 3 EXTENSION TO COMMONWEALTH WEALTH GAMES STADIUM BHB9	-	Y	N/A
9	218m W	385250 398380	WHARF STREET 1	5.0	N	937231 ↗
G	221m S	385400 398210	MANCHESTER METRO PHASE 3 EXTENSION TO COMMONWEALTH WEALTH GAMES STADIUM TP B7	-	Y	N/A
G	223m S	385420 398200	ASHTON CANAL CORRIDOR TP 16	2.8	N	15629948 ↗

ID	Location	Grid reference	Name	Length	Confidential	Web link
G	226m S	385410 398200	ASHTON CANAL CORRIDOR TP 15	3.1	N	15629947 ↗
10	238m NW	385240 398540	INNER RING ROAD SECTION 2 PHASE 1 MANCHESTER 9	27.7	N	937117 ↗
G	245m S	385410 398180	ASHTON CANAL CORRIDOR TP 17	2.6	N	15629949 ↗
11	247m SW	385380 398190	MANCHESTER METRO PHASE 3 EXTENSION TO COMMONWEALTH WEALTH GAMES STADIUM BHB8	-	Y	N/A
12	249m E	385760 398410	MANCHESTER METRO PHASE 3 EXTENSION TO COMMONWEALTH WEALTH GAMES STADIUM TP D1	-	Y	N/A
13	250m NW	385290 398630	13 / 15 / 17 / 19 NEW ISLINGTON STREET 1	-	Y	N/A

This data is sourced from the British Geological Survey.

17 Natural ground subsidence - Shrink swell clays



Site Outline

Search buffers in metres (m)

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

17.1 Shrink swell clays

Records within 50m	1

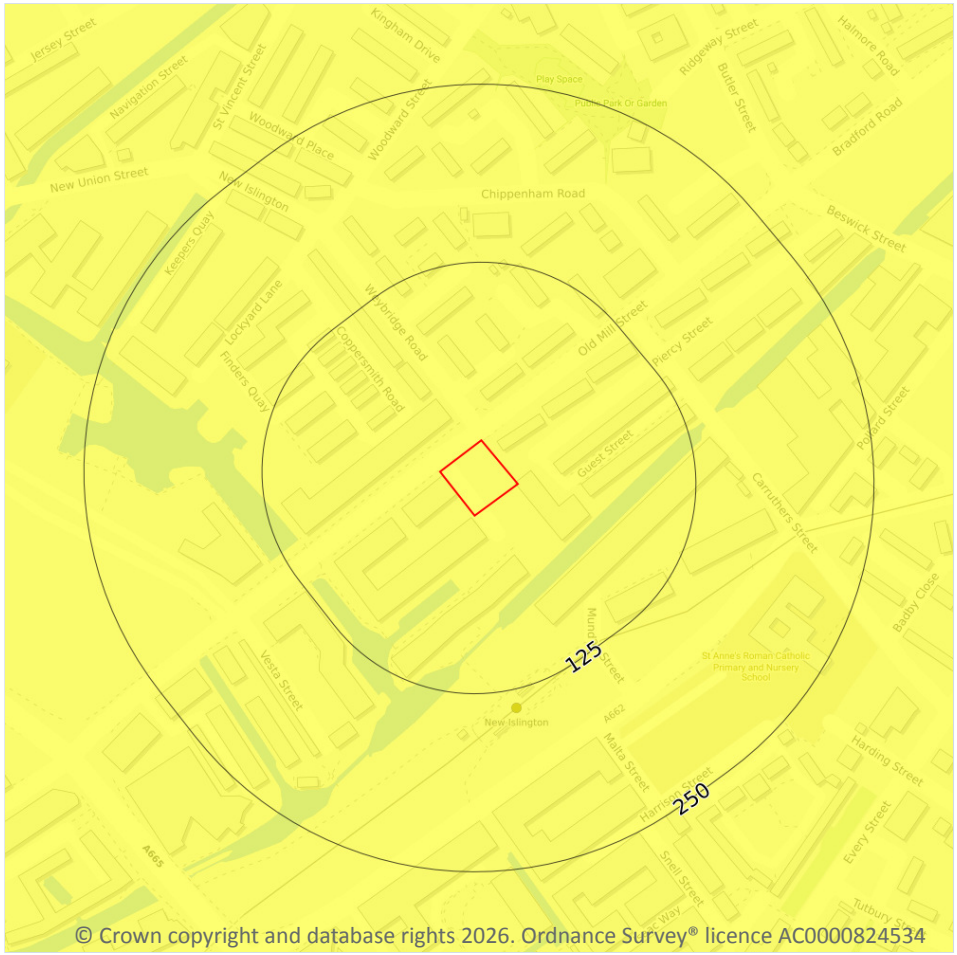
The potential hazard presented by soils that absorb water when wet (making them swell), and lose water as they dry (making them shrink). This shrink-swell behaviour is controlled by the type and amount of clay in the soil, and by seasonal changes in the soil moisture content (related to rainfall and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

Features are displayed on the Natural ground subsidence - Shrink swell clays map on **page 131 >**

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

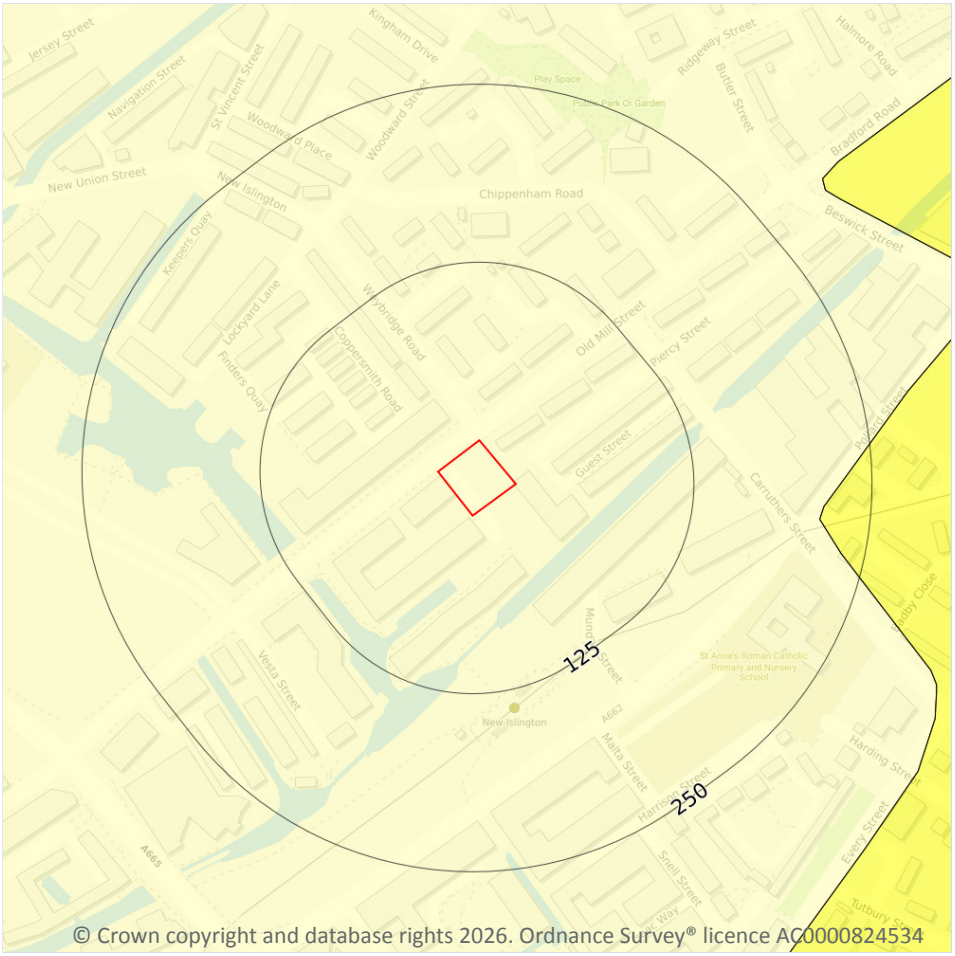
The potential hazard presented by rocks that can contain loosely-packed sandy layers that can become fluidised by water flowing through them. Such sands can 'run', removing support from overlying buildings and causing potential damage.

Features are displayed on the Natural ground subsidence - Running sands map on **page 132 >**

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

This data is sourced from the British Geological Survey.

Natural ground subsidence - Compressible deposits



Site Outline

Search buffers in metres (m)

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

17.3 Compressible deposits

Records within 50m	1

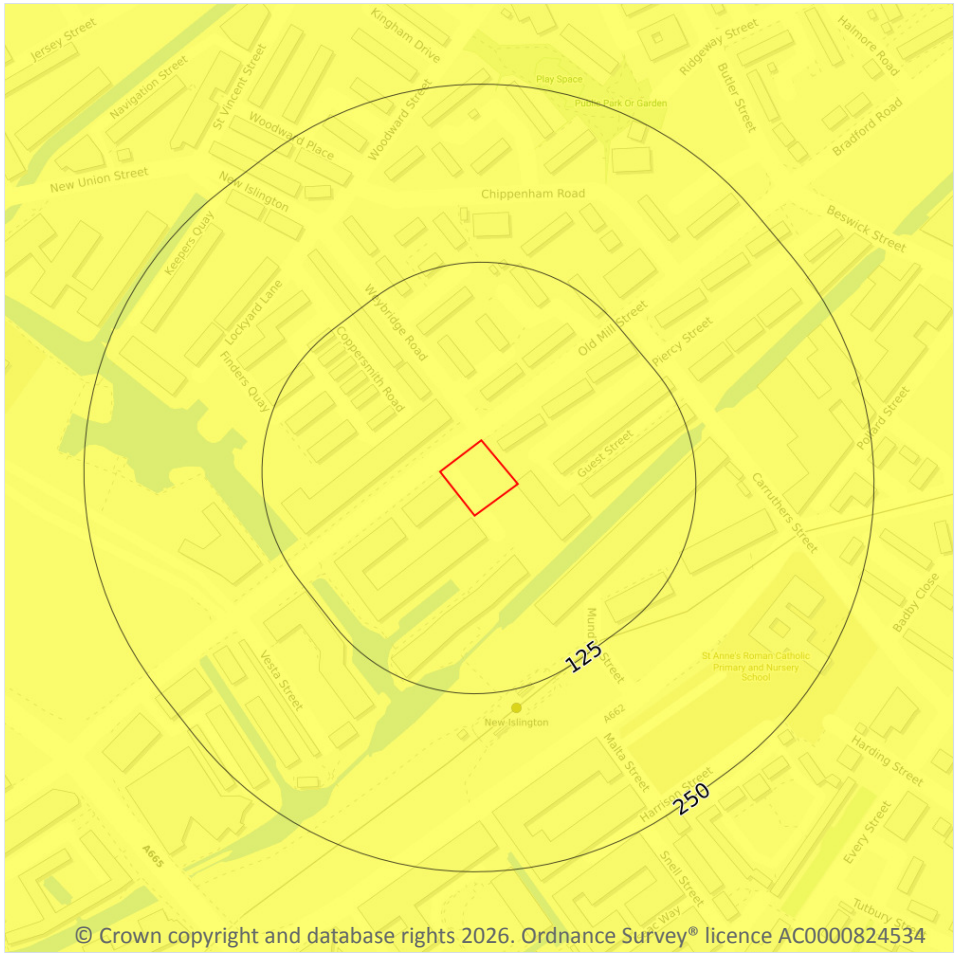
The potential hazard presented by types of ground that may contain layers of very soft materials like clay or peat and may compress if loaded by overlying structures, or if the groundwater level changes, potentially resulting in depression of the ground and disturbance of foundations.

Features are displayed on the Natural ground subsidence - Compressible deposits map on **page 133 >**

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



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17.4 Collapsible deposits

Records within 50m	1

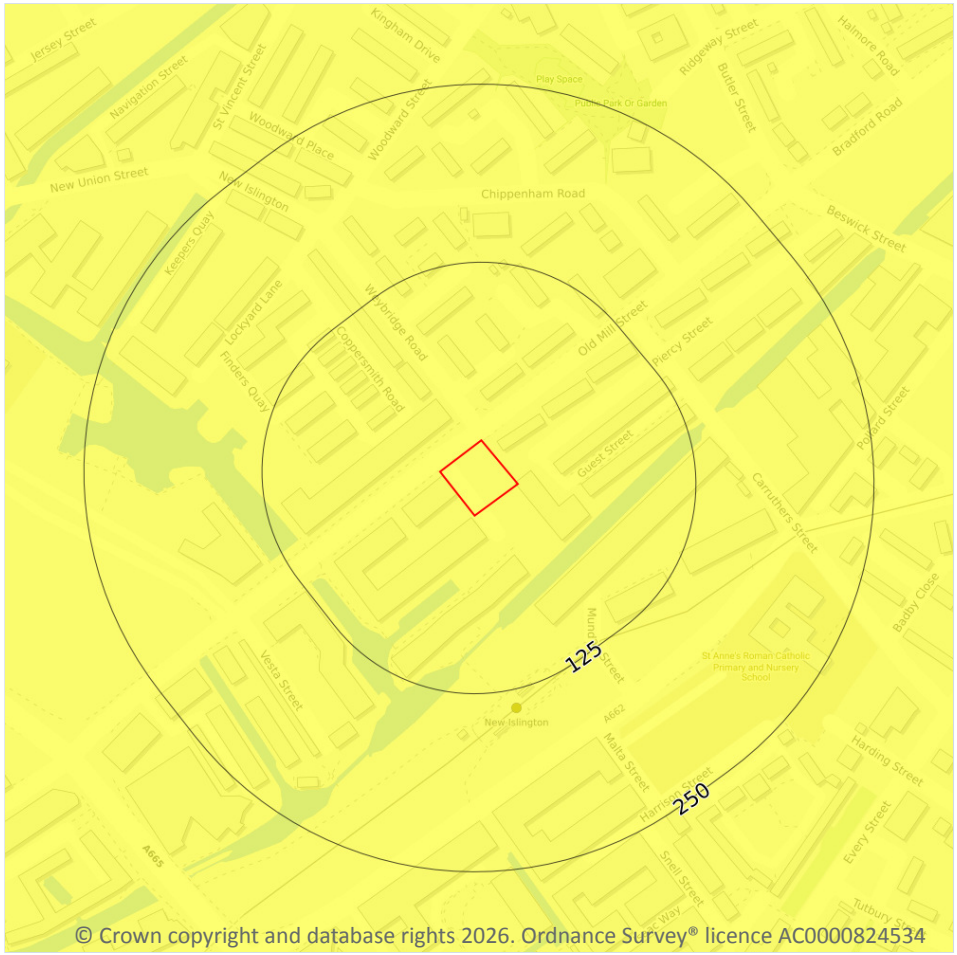
The potential hazard presented by natural deposits that could collapse when a load (such as a building) is placed on them or they become saturated with water.

Features are displayed on the Natural ground subsidence - Collapsible deposits map on **page 134 >**

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



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17.5 Landslides

Records within 50m	1

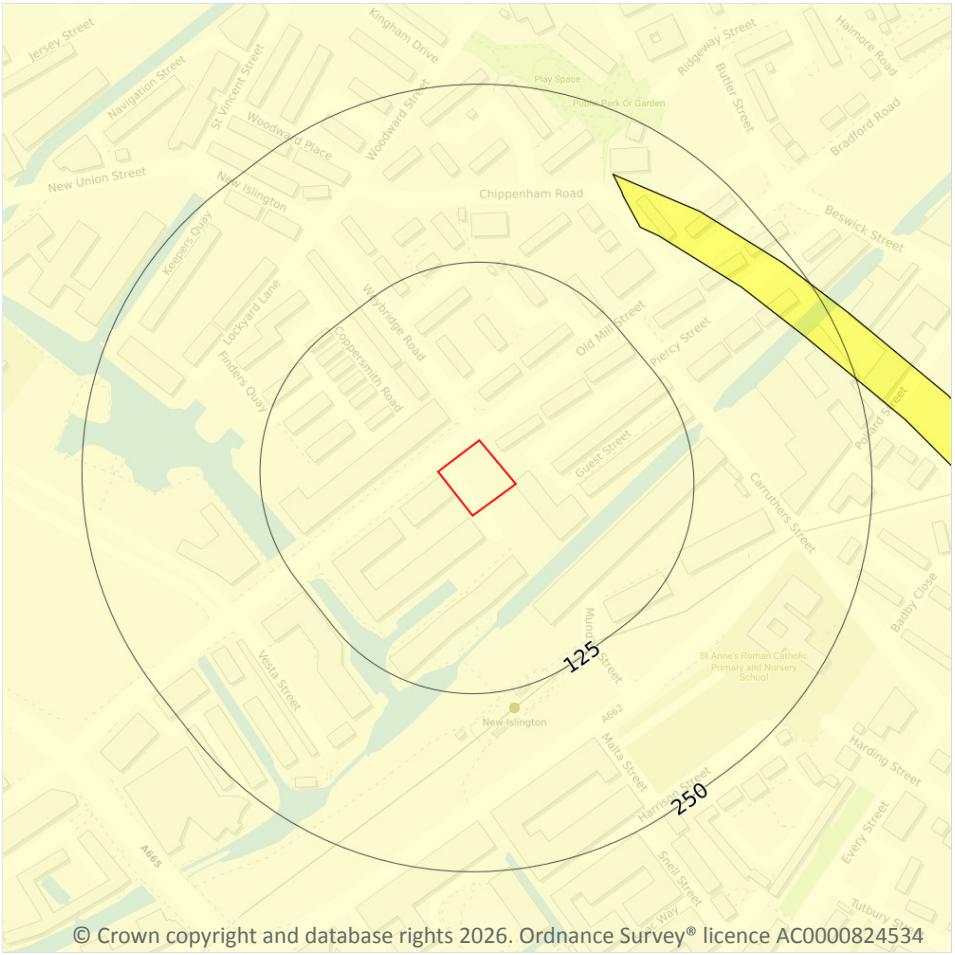
The potential for landsliding (slope instability) to be a hazard assessed using 1:50,000 scale digital maps of superficial and bedrock deposits, combined with information from the BGS National Landslide Database and scientific and engineering reports.

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

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

This data is sourced from the British Geological Survey.

Natural ground subsidence - Ground dissolution of soluble rocks



Site Outline

Search buffers in metres (m)

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

17.6 Ground dissolution of soluble rocks

Records within 50m	1

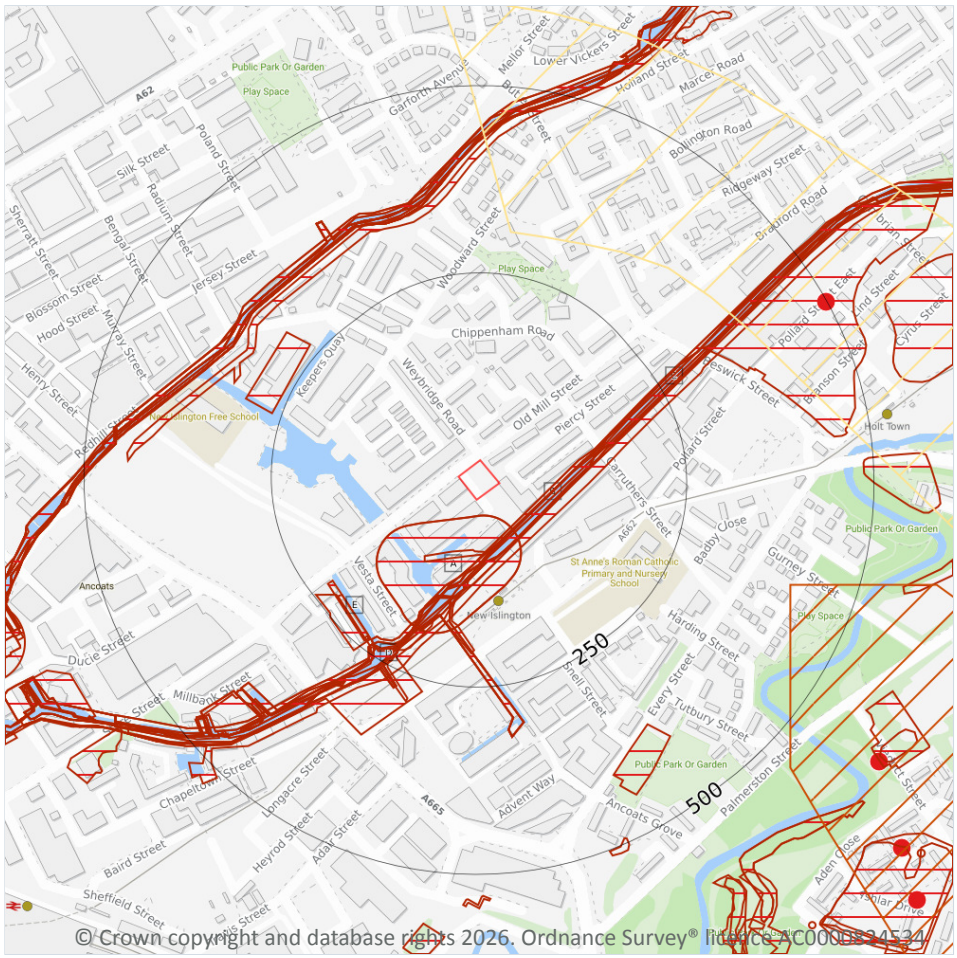
The potential hazard presented by ground dissolution, which occurs when water passing through soluble rocks produces underground cavities and cave systems. These cavities reduce support to the ground above and can cause localised collapse of the overlying rocks and deposits.

Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on **page 136 >**

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

This data is sourced from the British Geological Survey.

18 Mining and ground workings



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18.1 BritPits

Records within 500m	1

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

Features are displayed on the Mining and ground workings map on **page 138 >**

ID	Location	Details	Description
G	499m NE	Name: Holt Town Brick Field Address: Miles Platting, MANCHESTER, Lancashire Commodity: Clay & Shale Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Delf, Delph, Gravel Pit, Sand Pit, Sand and Gravel Pit, Clay Pit, Pit, Opencast Coal Site or Surface Mine. It may be mapped as Worked Ground or Worked and Made Ground on BGS mapping. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.

This data is sourced from the British Geological Survey.

18.2 Surface ground workings

Records within 250m **21**

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

Features are displayed on the Mining and ground workings map on **page 138 >**

ID	Location	Land Use	Year of mapping	Mapping scale
A	22m S	Unspecified Wharf	1906	1:10560
A	22m S	Unspecified Wharf	1921	1:10560
B	53m SE	Canal	1985	1:10000
B	53m SE	Canal	1981	1:10000
B	56m SE	Canal	1968	1:10560
B	56m SE	Canal	1956	1:10560
C	57m SE	Canal	1938	1:10560
C	57m SE	Canal	1933	1:10560
C	57m SE	Canal	1921	1:10560
C	57m SE	Canal	1906	1:10560
C	57m SE	Canal	1891	1:10560
A	58m SE	Canal	1923	1:10560
A	67m S	Unspecified Wharf	1923	1:10560
B	71m SE	Canal	1991	1:10000

ID	Location	Land Use	Year of mapping	Mapping scale
D	131m S	Water Body	1905	1:10560
D	134m S	Canal	1938	1:10560
D	134m S	Canal	1934	1:10560
D	134m S	Canal	1915	1:10560
D	134m S	Water Body	1890	1:10560
E	218m SW	Unspecified Wharf	1923	1:10560
E	226m SW	Unspecified Wharf	1915	1:10560

This is data is sourced from Ordnance Survey®/Groundsure.

18.3 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 is data is sourced from Ordnance Survey®/Groundsure.

18.4 Underground mining extents

Records within 500m	0

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

This data is sourced from 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	5

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

Features are displayed on the Mining and ground workings map on **page 138 >**

ID	Location	Name	Commodity	Class	Likelihood
2	307m N	Not available	Vein Mineral	A	Underground mine workings are uncommon, although the geology is similar to that worked elsewhere. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
3	361m E	Not available	Building stone (zone of influence)	NA	Zone of influence only
5	411m E	Ardwick	Limestone - Ardwick	D	Underground mining is considered likely to have occurred within or close to the area. The location, extent and nature of mining should be considered in any site investigation. Potential for difficult ground conditions should be considered.
-	901m E	Not available	Building stone (zone of influence)	A	Underground mine workings are uncommon, although the geology is similar to that worked elsewhere. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
-	944m E	Ardwick	Limestone - Ardwick/Vein Mineral	D	Underground mining is considered likely to have occurred within or close to the area. The location, extent and nature of mining should be considered in any site investigation. Potential for difficult ground conditions should be considered.

This data is sourced from the British Geological Survey.

18.7 JPB mining areas

Records on site	1

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

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

This data is sourced from Johnson Poole and Bloomer.

18.8 The Coal Authority non-coal mining

Records within 500m	**0**

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

This data is sourced from The Coal Authority.

18.9 Researched mining

Records within 500m	**0**

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

This data is sourced from Groundsure.

18.10 Mining record office plans

Records within 500m	**0**

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

This data is sourced from Groundsure.

18.11 BGS mine plans

Records within 500m	0

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

This data is sourced from Groundsure.

18.12 Coal mining

Records on site	1

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

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

This data is sourced from the Coal Authority.

18.13 Brine areas

Records on site	0

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

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

18.14 Gypsum areas

Records on site	0

Generalised areas that may be affected by gypsum extraction.

This data is sourced from British Gypsum.

18.15 Tin mining

Records on site	0

Generalised areas that may be affected by historical tin mining.

This data is sourced from Groundsure.

18.16 Clay mining

Records on site	0

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

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

19 Ground cavities and sinkholes

19.1 Natural cavities

Records within 500m	0

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

This data is sourced from Stantec UK Ltd.

19.2 Mining cavities

Records within 1000m	0

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

This data is sourced from Stantec UK Ltd.

19.3 Reported recent incidents

Records within 500m	0

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

This data is sourced from Groundsure.

19.4 Historical incidents

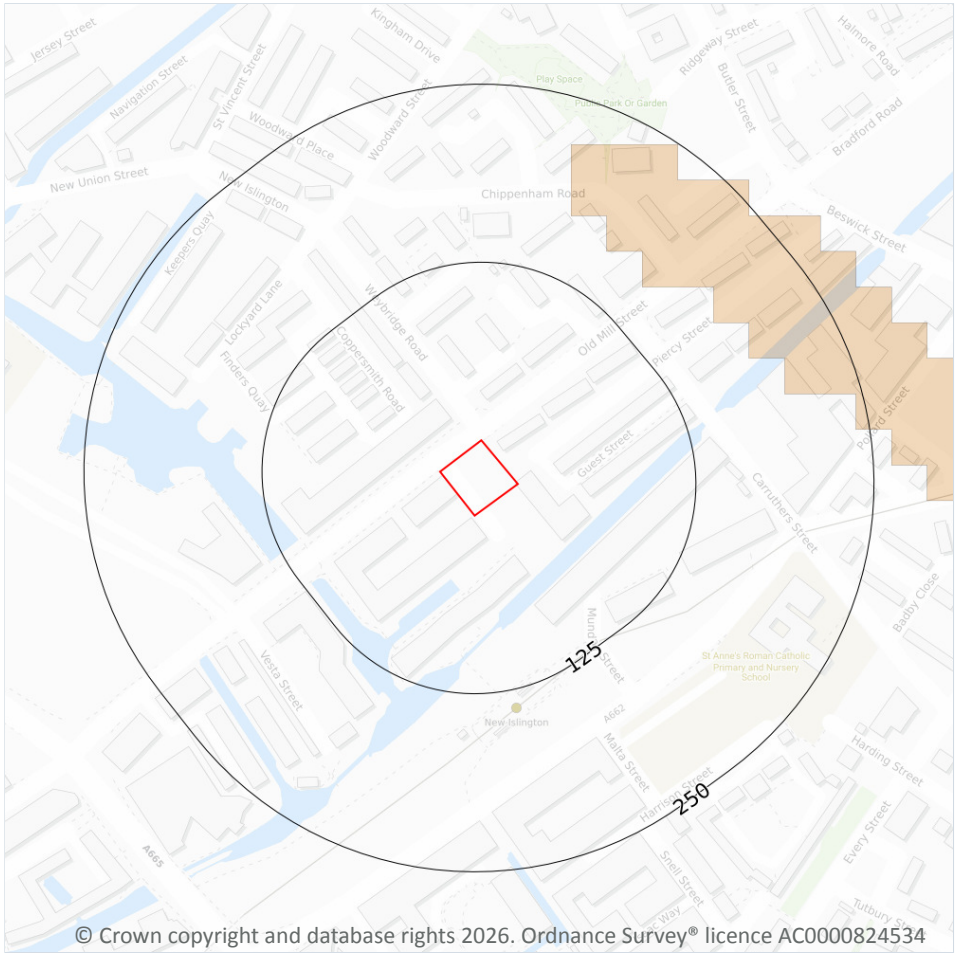
Records within 500m	0

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

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

This data is sourced from Groundsure.

20 Radon



Site Outline

Search buffers in metres (m)

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

20.1 Radon

Records on site	1

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

Features are displayed on the Radon map on **page 147 >**

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

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

21 Soil chemistry

21.1 BGS Estimated Background Soil Chemistry

Records within 50m **7**

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

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	**25 - 35 mg/kg**	**No data**	**100 - 200 mg/kg**	**60 - 120 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 - 200 mg/kg**	**60 - 120 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**30 - 45 mg/kg**
On site	**25 - 35 mg/kg**	**No data**	**100 - 200 mg/kg**	**60 - 120 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**30 - 45 mg/kg**
15m SE	25 - 35 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
33m N	25 - 35 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg
35m N	25 - 35 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg
48m NW	25 - 35 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg

This data is sourced from the British Geological Survey.

21.2 BGS Estimated Urban Soil Chemistry

Records within 50m **6**

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

Location	Arsenic (mg/kg)	Bioaccessible Arsenic (mg/kg)	Lead (mg/kg)	Bioaccessible Lead (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Copper (mg/kg)	Nickel (mg/kg)	Tin (mg/kg)
On site	**22**	**3.8**	**69**	**47**	**0.9**	**91**	**34**	**27**	**4**
On site	**23**	**4**	**431**	**296**	**0.9**	**88**	**115**	**28**	**34**
15m S	25	4.4	303	208	0.8	92	116	30	28
22m SE	22	3.8	74	51	0.8	95	35	28	4
33m N	22	3.8	498	342	0.9	83	118	25	36
35m N	21	3.7	72	49	0.8	87	34	26	4

This data is sourced from the British Geological Survey.

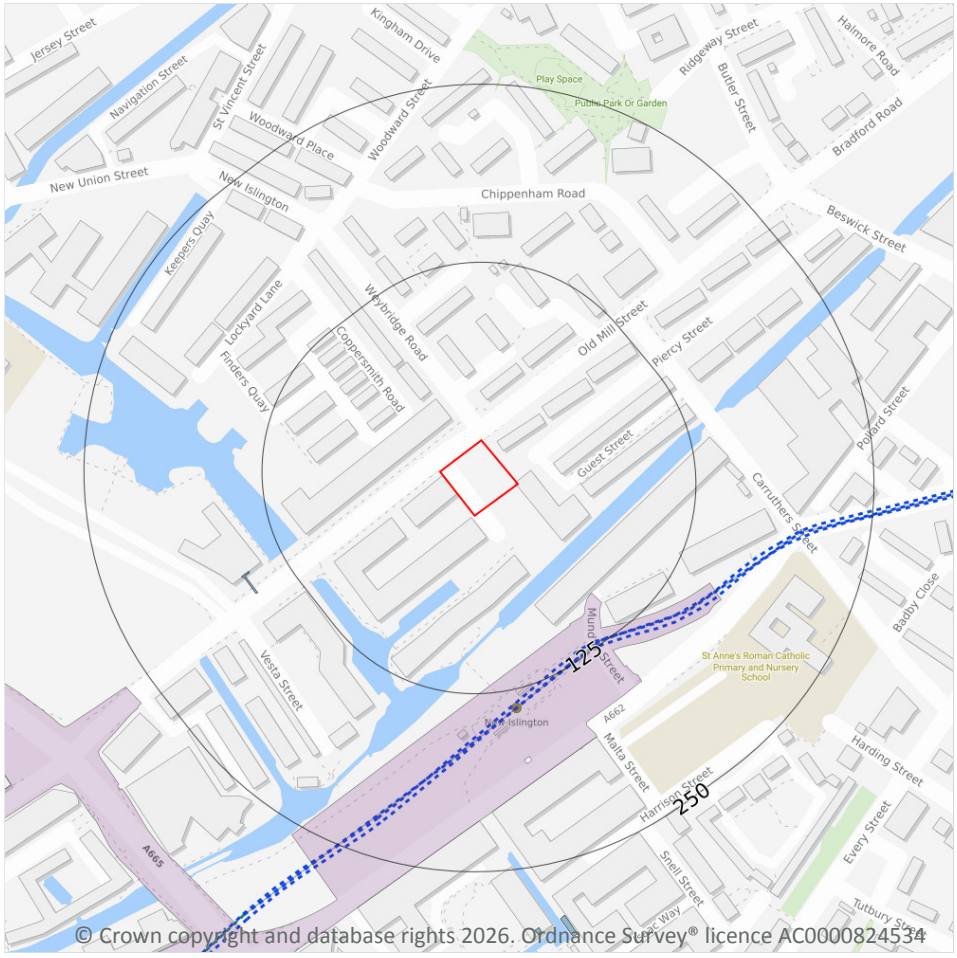
21.3 BGS Measured Urban Soil Chemistry

Records within 50m	**0**

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

This data is sourced from the British Geological Survey.

22 Railway infrastructure and projects



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22.1 Underground railways (London)

Records within 250m	0

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

This data is sourced from publicly available information by Groundsure.

22.2 Underground railways (Non-London)

Records within 250m	0

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

This data is sourced from publicly available information by Groundsure.

22.3 Railway tunnels

Records within 250m	0

Railway tunnels taken from contemporary Ordnance Survey® mapping.

This data is sourced from the Ordnance Survey®.

22.4 Historical railway and tunnel features

Records within 250m	1

Railways and tunnels digitised from historical Ordnance Survey® mapping as scales of 1:1,250, 1:2,500, 1:10,000 and 1:10,560.

Features are displayed on the Railway infrastructure and projects map on **page 151 >**

Location	Land Use	Year of mapping	Mapping scale
151m SW	Tramway Sidings	1891	500

This data is sourced from Ordnance Survey®/Groundsure.

22.5 Royal Mail tunnels

Records within 250m	0

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

This data is sourced from Groundsure/the Postal Museum.

22.6 Historical railways

Records within 250m	0

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

This data is sourced from OpenStreetMap.

22.7 Railways

Records within 250m	11

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

Features are displayed on the Railway infrastructure and projects map on **page 151 >**

Location	Name	Type
119m SE		light_rail
120m SE		light_rail
123m SE	Not given	Multi Track
123m SE	Not given	Multi Track
123m SE		light_rail
124m SE		light_rail
175m S	Not given	Multi Track
188m E		light_rail
192m E		light_rail
223m S		light_rail
225m S		light_rail

This data is sourced from Ordnance Survey® and OpenStreetMap.

22.8 Crossrail 2

Records within 500m	0

Crossrail 2 is a proposed railway linking the national rail networks in Surrey and Hertfordshire via an underground tunnel through London. Please note that the Crossrail 2 project has been temporarily suspended. It is possible funding will be received in the future, but there is no guarantee of this.

This data is sourced from publicly available information by Groundsure.

22.9 HS2

Records within 500m	0

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

(Crewe to Manchester and Birmingham to Leeds) is scheduled to begin in 2023 and be operational by 2033.

This data is sourced from HS2 ltd.

Data providers

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

Terms and conditions

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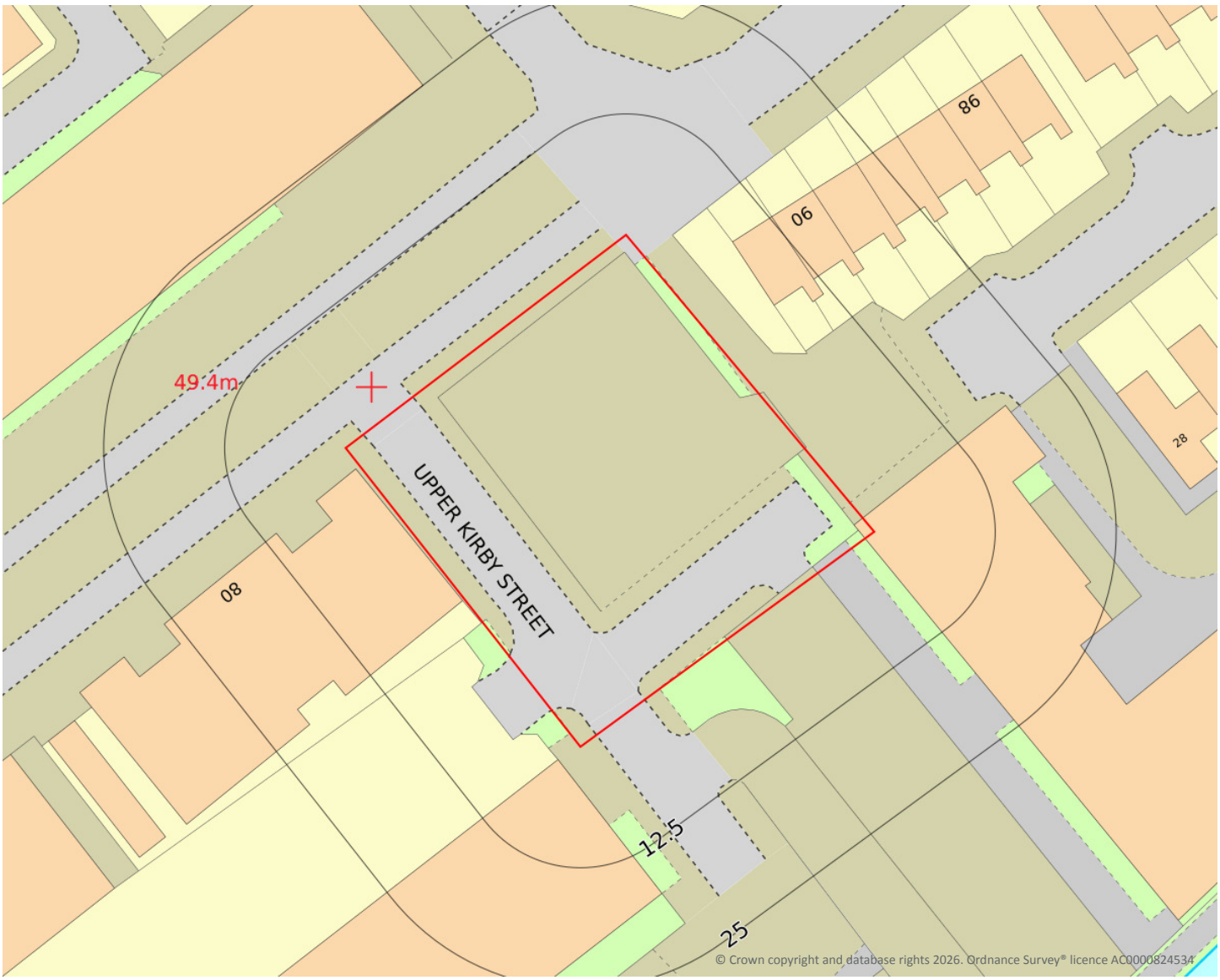
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Groundsure
LOCATION INTELLIGENCE

1928, 1928 Manchester, 2-plan composite

