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Contaminated Land Phase One Desk Study for Proposed detached dwelling on land next to 40 Cambrian Street, Manchester, M40 7EG.

Prepared for:

Diamond Investments Ltd,
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Summary

This report consists of a phase one contaminated land desk study produced in support of planning application for a detached dwelling on land next to 40 Cambrian Street, Manchester, M40 7EG.

Following the site walkover and review of the available information it has been concluded that there is a slim chance of contamination existing on site from presumed made ground which requires further investigation in order to determine whether there is any significant risk of significant harm to the identified receptors and to ensure the site is safe and suitable for the intended use.

The site is also subject to elevated radon measures and as part of the required basic radon protection it is advised that the membrane specification is chose to prevent carbon dioxide and methane from entering the property, allowing a suitable ground gas protection system to be readily incorporated into the design.

The report further recommends that a watching brief is maintained throughout the construction of the new dwellings and any signs of potential contamination found are fully investigated, with appropriate remedial action taken as necessary.

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Introduction

Martin Environmental Solutions has been commissioned, to carry out a phase one contaminated land desk study report in relation to a proposed detached dwelling on land next to 40 Cambrian Street, Manchester, M40 7EG.

Aims and Objectives of the report

The aims and objectives of this report are as follows:

- Assess the likelihood of contamination affecting the site,
- Identify any likely receptors to be affected by the potential contamination,
- Identify the pathways by which the receptors will be exposed to any potential contamination,
- Identify any areas where further investigation will be required.

Scope of works

This report has been written in line with the 'BS 10175: 2011+A2: 2017 Investigation of potentially contaminated sites – Code of Practice' and Land Contamination Risk Management (LCRM).

The scope of this report covers the phase one desk study only. It will look at relevant information on: -

- the history of the site and surrounding area,
- the current use of the site and surrounding area,
- the geology and hydrogeology of the area,

A site walk-over survey has been undertaken in addition to consultations with the existing site owner, to identify any potential contamination issues.

Evaluation of the above information will be used to construct an initial conceptual model as appropriate, with the identification of any additional investigations that may be required.

The Site:

Site Address: land next to 40 Cambrian Street, Manchester, M40 7EG.

Grid reference: 386130 398699

An aerial photograph of the site is included in Figure 1.

Current Site use:

The site currently consists of a roughly square piece of open land, grassed across the full site with tress. It is situated to the north of Cambrian Street, on the corner of Cambrian Street and Upper Cyprus Street. To the southeast are existing terrace housing, to the south open land west more residential housing and to the north along Upper Cyprus Street and number of industrial units.

Research

Details of Research

This report has been based on information gathered from a number of reputable sources, covering details:

- on the historic and current use of the site,
- any known waste disposal activities in the area,
- any regulated industrial activities within the vicinity of the site including recorded industrial accidents,
- on the geology, hydrogeology, hydrology of the area,
- identification of any environmentally sensitive sites,
- any natural hazards.

Principle sources of this information have been:

- environmental data from Groundsure Limited
- the Local Planning Authority,
- historic maps (Groundsure Ltd),
- site walk-over survey and discussion with the current owners.

Site History

Information on the historic uses of the site has been obtained from historic mapping information (Appendix 2), and environmental data from Groundsure Limited.

Mapping Year	Changes on Site	Changes off Site
1848-51	The site forms part of Holt Town Reservoir	The reservoir surrounds the site. Medlock Hall is located 100m tot her north with gardens in between and on the edge of the reservoir. A mill race runs to the north of the reservoir. To the west brick fields area identified ~200m away. Holt Town Cotton Works are located ~175m south of the site and beyond a river. Coal pits and brick kilns are shown 300m to the southeast, beyond a pottery works 150m to the east and at 500m southeast the Manchester and Salford Waterworks Reservoir, 350m southwest two gas holders are shown with residential properties to the east over 250m away. The canal is shown 130m to the north.
1890-93	The site is undeveloped.	The reservoir is no longer present with the area being developed, primarily for housing along Upper Cyprus St and to the south. An Iron Works is shown to the far end of Upper Cyprus St, and to the east Oil Works. The River Medlock to the south of the site 130m away and beyond a Cotton Works. To the southeast. Finishing works are present over 100m south of the site, with further engineering works 150m to the west. The gas holders to the southwest are no longer present but 4 larger ones are shown ~4502m northeast beyond the canal, with the gas works identified over 500m away.

1905-08		Three above ground tanks are shown to the east 50m away, next to the oil works. Another gas holder is shown to the northeast 250m away More residential dwellings to the south and west. A cotton mill is present on the site of the old Medlock Hall.
1915	No Change	No Significant changes
1921-23	A property has been constructed on site along with the terrace to the southeast.	Additional tanks are present at the oil works
1931-34	No Change	No Significant changes, the original gas holders to the northeast are no longer present but a new one has been constructed and the works expanded to within 200m of the site. The iron works are now galvanising works.
1938	No Change	No Significant changes
1944-48	No Change	Tanks at the oil works have been removed, replaced and moved further away. A laundry is shown in the centre of the recreational grounds to the southwest. The redeveloped works to the northwest ~200m away are identified as chemical works. Housing to the west has been demolished and redeveloped into new housing. Banking towards the river is clearly shown
1951-58	No Change	No Significant changes
1966-68	No Change	No Significant changes
1979-86	No Change	Most of the mills/works are identified as factories or generic works.
1988-91	No Change	No Significant changes
2001-03	No Change	No Significant changes

2010	No Change	The small gas holder has been demolished to he northeast. The Manchester City FC grounds and wider complex have been constructed.
2015	No Change	No Significant changes
2025	No Change	No Significant changes
Aerial photos	The site is clear, no further changes	The Manchester City complex has begun construction in 2000. The site to the rear of the development is shown with a number of vehicles present as do other sites in the vicinity. 2003 the site to the rear of the development is empty. The cotton mill complex to the north is demolished and cleared by 2013, skip wagons are then seen on the site, by 2022 the site is becoming overgrown 2016 the chemical works site to the northwest has been demolished. By 2017 the site is redeveloped with a modern industrial building present. The site immediately behind the development is overgrown with tress visible, by 2017 it has been cleared again. By 2018 the site is full of vehicles again as a car sales centre.

Regulatory Information

Relevant information obtained from the Groundsure report (Appendix 1) is summarised below.

Three permitted activities that have been identified within 500m of the site as defined in the Environmental Permitting (England and Wales) Regulations 2016 or previous legislation. These are all historic and consist of a timber manufacture site 271m east, non-ferrous metal foundry 312m southeast and di-isocyanate process 434m west.

Eight pollution incidents have been identified in the surrounding area covering five incidents. The nearest occurring April 2002 was located 17m northeast of the site and the site to the rear of the development, and involved household waste, vehicle tyres and parts. It had a minor impact on the land environment but no water or air impact.

In December 2002 41m northeast waste tyres were Iden tided within minor impact to land. July 2002 a non-identified pollutant with a minor impact to water was recorded 131m southeast, with a biodegradable material in 141m northeast and a fire/smoke incident in July 2001 147m northeast of the site with a minor impact to air and land.

20 one discharge consents are reported, these cover ten sites all relating to sewer storm water into the River Medlock by the Water Company. The nearest site being 136m southeast of the development.

The above identified sites are unlikely to impact on the development site given the age and locations.

No active landfill site records have been found in the area. Historic landfill records have been identified at 154m northeast Bradfords Road between 1985-1993 for inert waste linked to north West Gas. A new Viaduct Street 244m northeast a record is held with no details, 339m east at Bradford Road Works , inert and industrial waste linked to North West Gas between 1979-1983m.

Current waste sites within 250m of the site include Olympia Motor Services, metal recycling 41m west, Mercedes Used Cars – vehicle storage and depollution and dismantling 58m north. Upper Helena Street skip operation 75m north, and 158m southwest at Lumns Lane, another transfer station 99m east. Metal recycling at Upper Helena Street 104m northeast

In addition, historic waste sites have been identified including, within 250m scrap metal works 25m northwest in 1955, 25m north in 1979 and 162m southwest (1955), scrap yards 79m north, and 91m southeast (1986-1992), 193m southwest 1990's 204m south 186-1993, waste paper works 90m west (1945-1955) and 153m west in 1931.

A refuse destructor in 1955 located 110m northeast and linked to the above landfill site. south the Cottam Hall Brick Works, 21m south (the same site). A waste site is identified 238m south at the household waste disposal site. no other waste sites are identified.

43 waste exemptions have been identified. The nearest is located 47m east of the site for the recovery of scrap metal, depolluted end-of-life vehicles, storage of waste, At Upper Helena Street 114m northeast the use of waste in construction, storage of waste and cleaning washing and spraying wate, treatment of waste and waste wood tyres, screening and blending waste sorting mixed waste and recovery of scrap metal . 194m southwest the disposal of waste by incineration at Manchester Joinery and Interiors ltd. And the treatment of waste wood at the same site. Composting activities are also present at Philips Park Road 241m southeast.

18 current potentially contaminative sites are identified in the area. Those within 250m of the site include:

Vehicle repair and testing centres, 32m north, 71m northeast, 171, southwest. 218m northwest,

Unspecified Works, 35m north, 55m northwest, 91m northeast, 100m, 121m, 154m, 1713 and 183m west.

Electrical sub-station 130m northwest of the site.

Tool repairs 150m west

A telephone mast 160m southeast.

These is unlikely to impact on the site.

Historical potentially contaminative land uses have been identified within 250m of the site from the purchased information; most of these have been identified from the historical mapping and include:

The Oil works to the east and various above ground tanks the nearest 43m east

The sanitary works to the southeast

Works to the northeast 17m

A heap 66m southeast in 1956, which appears to be banking at the side of the site.

The mill to the north 73m away from 1923

The brick fields 84m northwest and 168m north and 218m southeast in 1848

Tanks 116m east in 1906-38

Gas works 158m northeast 1985-1991, before that they were located further away with gasometers at 198m-202m away 1980's.

Brick kiln 234m southeast in 1848

Geology and Hydrogeology

Information from the British Geology Survey 1:50,000 mapping identifies the bedrock in the area as Etruria Formation - Mudstone, and Sandstone, overlaid with Till, Devensian-Diamicton & Alluvium deposits of clay, silt, sand and gravel.

Made ground is report on site.

The information obtained on the hydrogeology of the area identifies the site as having a Secondary A aquifer in the bedrock 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, with secondary undifferentiated aquifer in the superficial layer.

30 groundwater abstraction licenses have been identified, covering 10 different sites. Only five are active, the nearest 1162m north at Norton Street supplies Hanson Quarry Products, at Croft Street, 1752m & 1936m east suppling Evonik Chemicals Ltd is for cooling. As is the site 1795m northwest on Little Green Works.

Four surface water abstraction licenses are identified, all historic, all sourced from the canal for cooling water.

The site is not located within a Source Protection Zone.

The Groundwater vulnerability is described as low in all geological layers.

Hydrology

The nearest watercourse is the River Medlock located 116m southeast of the site and the Ashton Canal 127m north.

The site is not within a floodplain, and the risk of flooding is classified as low.

Environmental Sensitivity

The only environmental sensitive sites identified are a local nature reserve at Clayton Vale 1393m east the Merseyside and Greater Manchester Green Belt located 1715m east the River Irk, 831m west a nitrate vulnerable zone.

The property is in an area identified as having between 5-10% of properties above the action level of 200 Becquerel's per cubic metre, based on specific property search. Basic Radon protection measures are required in line with BR211.

No additional natural hazards have been identified & the site has very low risk of shrink swell, running sand, and compressible ground.

No Coal mining activities have been identified but the site is located within a coal mining area as identified by the Coal Authority.

Site Walkover

A site walkover was undertaken on the 21st January 2026 and confirmed much of what had already been identified from the information obtained on the site. The photographs in Appendix 3 provide some indication of the current layout and condition of the site.

The site is open to access and can be accessed from either Cambrian Street or Upper Cyprus Street. Roughly square in shape and level it has grass across it with a couple of young trees.

Some domestic refuse has been left on the rear corner, possible from the neighbouring houses as an alleyway runs along the rear.

No signs of contamination, discoloration or olfactory evidence, dead or dying vegetation were seen during the walkover.

The current owners are unaware of any issues on site which could have led to contamination.

Conclusions

Potential Contaminants

Following a review of the information gathered on the history of the site and the surrounding area and following the site walkover, no contamination has been identified on or off site that is likely to pose a significant possibility of significant harm to the identified receptors.

However historic activities on and immediately adjacent to the site suggest it was once a reservoir and therefore potentially filled. This would date back to 1850's thus ground gas is highly unlikely, but there is a possibility of some contamination within the deposited material. No gardens amenity areas are to be provided with the majority of the site being built over and a small carparking area to the rear will be hardstanding.

Historic landfill sites within 250m accepted inert material and are over 35 years old, the site was run by Manchester Council and part of it was a refuse destructor, ground gas is considered unlikely for this site given the nature of the fill and the time that has elapsed. The site beyond was linked to the gas works and remediation of the original gasometer. While contamination of this site is likely ground gas production is not.

Off-site historic activities in the area, particularly the oil works and the vehicle scrappage yards have the potential to have released contaminants which may have spread to the site.

The site is also subjected to elevated radon gas levels, with basic radon protection measures required (while not typically considered under the contamination land regime due to its natural origins it is worth considering in this case, particularly as the property will need to be built with basic radon protection measures (radon barrier and clear void below floor).

Receptors and Pathways

Potential receptors which may be affected by any unknown contamination on site will include:

- Construction workers who are likely to be affected by any potential contamination as they will initially be working in the ground and are likely to be the ones who unearth any potential contaminants.
- Future users of the site, including residents, staff and visitors to the site. For the purpose of evaluating any effects from any contamination found during any intrusive investigation future users/visitors to the site should be regarded as the 0-6-year-old female child.
- Any building on site e.g., foundations which may be attacked by any contaminants in the ground or services.
- The underlying groundwater which may be contaminated by migrating pollutants present on the site. There is also the potential for further pollution of the groundwater or the watercourse from disturbing any potential contaminants on site.

The pathways by which these receptors may be exposed to any unforeseen potential contamination will include:

Construction workers

- Inhalation, of gases or vapours released during ground work or fine particles.
- Ingestion of the contaminants, principally from cross contamination with contaminated soil and inadequate hand washing before smoking and eating.
- Absorption through the skin following contact with contaminated soil.

Future users and visitors

- Inhalations of gas/vapours or fibres, particularly if these are allowed to enter the new structures through the ground and build up in an enclosed area.
- Ingestion of contaminants, through the ingestion of contaminated soil from the garden area via direct contact, e.g., playing in the garden, NB no amenity area to be include within the design.

- Absorption of contaminants from dermal contact with contaminated soil.

Buildings

Contaminants on site have the potential to affect the foundations to the new building or the services supplying it.

Watercourses

As discussed above, if they exist on site, there is a potential for any contaminants to migrate through the ground into the groundwater and aquifer or via run-off into the watercourse.

Neighbouring sites

If present on site contaminates have the potential to migrate to neighbouring sites through ground water or air blown transfer.

Conceptual Model

The table represents a basic conceptual model. It highlights the potential sources of pollutants identified from the gathered information, and potential pathways in which any contaminants could reach the identified receptors.

Pathway	Description	Identified sources	Receptor at risk	Probability	Consequence	Risk
1	Run off and seepage into groundwater from any spillages	-	Watercourse/ Environment	Unlikely	Mild	Very low
2	Migration of gases into the building.	Infilled / made ground	Future users	Unlikely	Medium	Low
3	Inhalation of gases/ vapours outside	Infilled / made ground	Construction workers/future users	Unlikely	Mild	Very Low
4	Inhalation of fine particles	Infilled / made ground Neighbouring historic sites	Construction workers/future users	Low likelihood	Medium	Moderate/ low
5	Direct ingestion of contaminated soil	Infilled / made ground Neighbouring historic sites	Construction workers	Low likelihood	Medium	Moderate/ low
6	In-direct ingestion of contaminated soil	Infilled / made ground Neighbouring historic sites	Future users	Unlikely	Medium	Low

7	Absorption via direct dermal contact with contaminated soil	Infilled / made ground	Construction workers/ future users	Low likelihood Unlikely	Mild	Low Very Low

		CONSEQUENCE			
		Severe	Medium	Mild	Minor
PROBABILITY	High Likelihood	Very High Risk	High Risk	Moderate Risk	Moderate / Low Risk
	Likely	High Risk	Moderate Risk	Moderate / Low Risk	Low Risk
	Low Likelihood	Moderate Risk	Moderate / Low Risk	Low Risk	Very low Risk
	Unlikely	Moderate / Low Risk	Low Risk	Very low Risk	Very low Risk

Recommendations

As a result of the investigation into the historical use of the site and surrounding area it is recommended that a phase II intrusive investigation is undertaken to establish the presence of any contamination on site.

A series of tailholes across the site should be undertaken with appropriate soil sample to determine whether any risk to the identified receptors exists. Given the size of the site and the design of the development it is recommended that two trail pits are dug with two sets of soil samples taken from each.

It is also recommended that the required radon barrier/membrane is chosen to ensure that it can also restrict Carbon Dioxide and Methane, with a clear void below (beam and block floor) the resulting barrier will prevent both radon and any potential ground gas entering the property, up to a Characteristic Situation, CS3, level of protection. Ensuring no radon or ground gas penetrate the building.

It is further recommended that a watching brief is maintained throughout the construction of the new building and any signs of potential contamination found are fully investigated, with appropriate remedial action taken as necessary and the local planning authority informed of the findings.

Figure 1 – Aerial Photograph



Appendix 1 – Groundsure Data

Appendix 2 – Historical Mapping

Groundsure
LOCATION INTELLIGENCE

Enviro+Geo Insight

LAND ADJACENT TO 40, CAMBRIAN STREET, MANCHESTER, M40 7EG

Order Details

Date: 06/02/2026

Your ref: Diamond

Our Ref: GS-HOF-845-PZA-TCY

Site Details

Location: 386130 398699

Area: 0.01 ha

Authority: Manchester City Council ↗

Site plan



Quick Links

Summary of findings p. 2 >

OS MasterMap site plan p.14 >

Aerial image p. 9 >

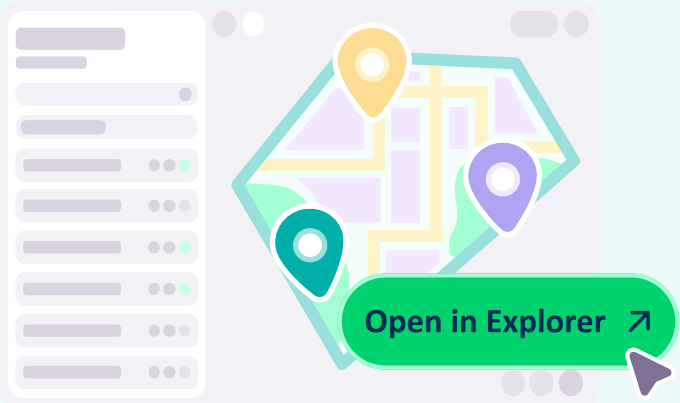
Insight User Guide ↗

Open this site in Explorer!

Access the data now in our interactive workspace.

- Map and interpret 130+ datasets across 170 years
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- 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

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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 >	1	12	60	103	-
22 >	1.2 >	Historical tanks >	0	1	101	67	-
28 >	1.3 >	Historical energy features >	0	0	16	42	-
31	1.4	Historical petrol stations	0	0	0	0	-
31 >	1.5 >	Historical garages >	0	0	2	4	-
32	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
33 >	2.1 >	Historical industrial land uses >	2	20	91	131	-
42 >	2.2 >	Historical tanks >	0	2	140	85	-
51 >	2.3 >	Historical energy features >	0	0	23	79	-
55	2.4	Historical petrol stations	0	0	0	0	-
55 >	2.5 >	Historical garages >	0	0	3	5	-
Page	Section	Waste and landfill >	On site	0-50m	50-250m	250-500m	500-2000m
56	3.1	Active or recent landfill	0	0	0	0	-
56	3.2	Historical landfill (BGS records)	0	0	0	0	-
57	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
57 >	3.4 >	Historical landfill (EA/NRW records) >	0	0	2	1	-
58 >	3.5 >	Historical waste sites >	0	2	19	16	-
62 >	3.6 >	Licensed waste sites >	0	2	9	0	-
65 >	3.7 >	Waste exemptions >	0	4	34	5	-
Page	Section	Current industrial land use >	On site	0-50m	50-250m	250-500m	500-2000m
70 >	4.1 >	Recent industrial land uses >	0	2	16	-	-
72 >	4.2 >	National Geographic Database (NGD) - Current or recent tanks >	0	0	1	-	-
72	4.3	Current or recent petrol stations	0	0	0	0	-
72	4.4	Electricity cables	0	0	0	0	-
72	4.5	Gas pipelines	0	0	0	0	-

72	4.6	Sites determined as Contaminated Land	0	0	0	0	-
73	4.7	Control of Major Accident Hazards (COMAH)	0	0	0	0	-
73	4.8	Regulated explosive sites	0	0	0	0	-
73 >	**4.9 >**	**Hazardous substance storage/usage >**	0	0	0	2	-
74	4.10	Historical licensed industrial activities (IPC)	0	0	0	0	-
74	4.11	Licensed industrial activities (Part A(1))	0	0	0	0	-
74 >	**4.12 >**	**Licensed pollutant release (Part A(2)/B) >**	0	0	0	3	-
75	4.13	Radioactive Substance Authorisations	0	0	0	0	-
75 >	**4.14 >**	**Licensed Discharges to controlled waters >**	0	0	10	10	-
78	4.15	Pollutant release to surface waters (Red List)	0	0	0	0	-
78	4.16	Pollutant release to public sewer	0	0	0	0	-
78	4.17	List 1 Dangerous Substances	0	0	0	0	-
78	4.18	List 2 Dangerous Substances	0	0	0	0	-
79 >	**4.19 >**	**Pollution Incidents (EA/NRW) >**	0	5	7	2	-
80	4.20	Pollution inventory substances	0	0	0	0	-
81	4.21	Pollution inventory waste transfers	0	0	0	0	-
81	4.22	Pollution inventory radioactive waste	0	0	0	0	-

Page	Section	**Hydrogeology >**	On site	0-50m	50-250m	250-500m	500-2000m
82 >	**5.1 >**	**Superficial aquifer >**	Identified (within 500m)				
83 >	**5.2 >**	**Bedrock aquifer >**	Identified (within 500m)				
84 >	**5.3 >**	**Groundwater vulnerability >**	Identified (within 50m)				
85 >	**5.4 >**	**Groundwater vulnerability- soluble rock risk >**	Identified (within 0m)				
85	5.5	Groundwater vulnerability- local information	None (within 0m)				
86 >	**5.6 >**	**Groundwater abstractions >**	0	0	0	0	30
94 >	**5.7 >**	**Surface water abstractions >**	0	0	0	0	4
95	5.8	Potable abstractions	0	0	0	0	0
95	5.9	Source Protection Zones	0	0	0	0	-
96	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-

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

97 >	6.1 >	Water Network (OS MasterMap) >	0	0	2	-	-
98 >	6.2 >	Surface water features >	0	0	6	-	-
98 >	6.3 >	WFD Surface water body catchments >	1	-	-	-	-
98 >	6.4 >	WFD Surface water bodies >	0	0	2	-	-
99 >	6.5 >	WFD Groundwater bodies >	1	-	-	-	-
Page	Section	River and coastal flooding	On site	0-50m	50-250m	250-500m	500-2000m
100	7.1	Risk of flooding from rivers and the sea	None (within 50m)				
100	7.2	Historical Flood Events	0	0	0	-	-
100	7.3	Flood Defences	0	0	0	-	-
101	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
101	7.5	Flood Storage Areas	0	0	0	-	-
102	7.6	Flood Zone 2	None (within 50m)				
102	7.7	Flood Zone 3	None (within 50m)				
Page	Section	Surface water flooding >					
103 >	8.1 >	Surface water flooding >	1 in 1000 year, 0.1m - 0.3m (within 50m)				
Page	Section	Groundwater flooding >					
105 >	9.1 >	Groundwater flooding >	Moderate-High (within 50m)				
Page	Section	Environmental designations >	On site	0-50m	50-250m	250-500m	500-2000m
106	10.1	Sites of Special Scientific Interest (SSSI)	0	0	0	0	0
107	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
107	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
107	10.4	Special Protection Areas (SPA)	0	0	0	0	0
107	10.5	National Nature Reserves (NNR)	0	0	0	0	0
108 >	10.6 >	Local Nature Reserves (LNR) >	0	0	0	0	1
108	10.7	Designated Ancient Woodland	0	0	0	0	0
108	10.8	Biosphere Reserves	0	0	0	0	0
108	10.9	Forest Parks	0	0	0	0	0
109	10.10	Marine Conservation Zones	0	0	0	0	0
109 >	10.11 >	Green Belt >	0	0	0	0	1

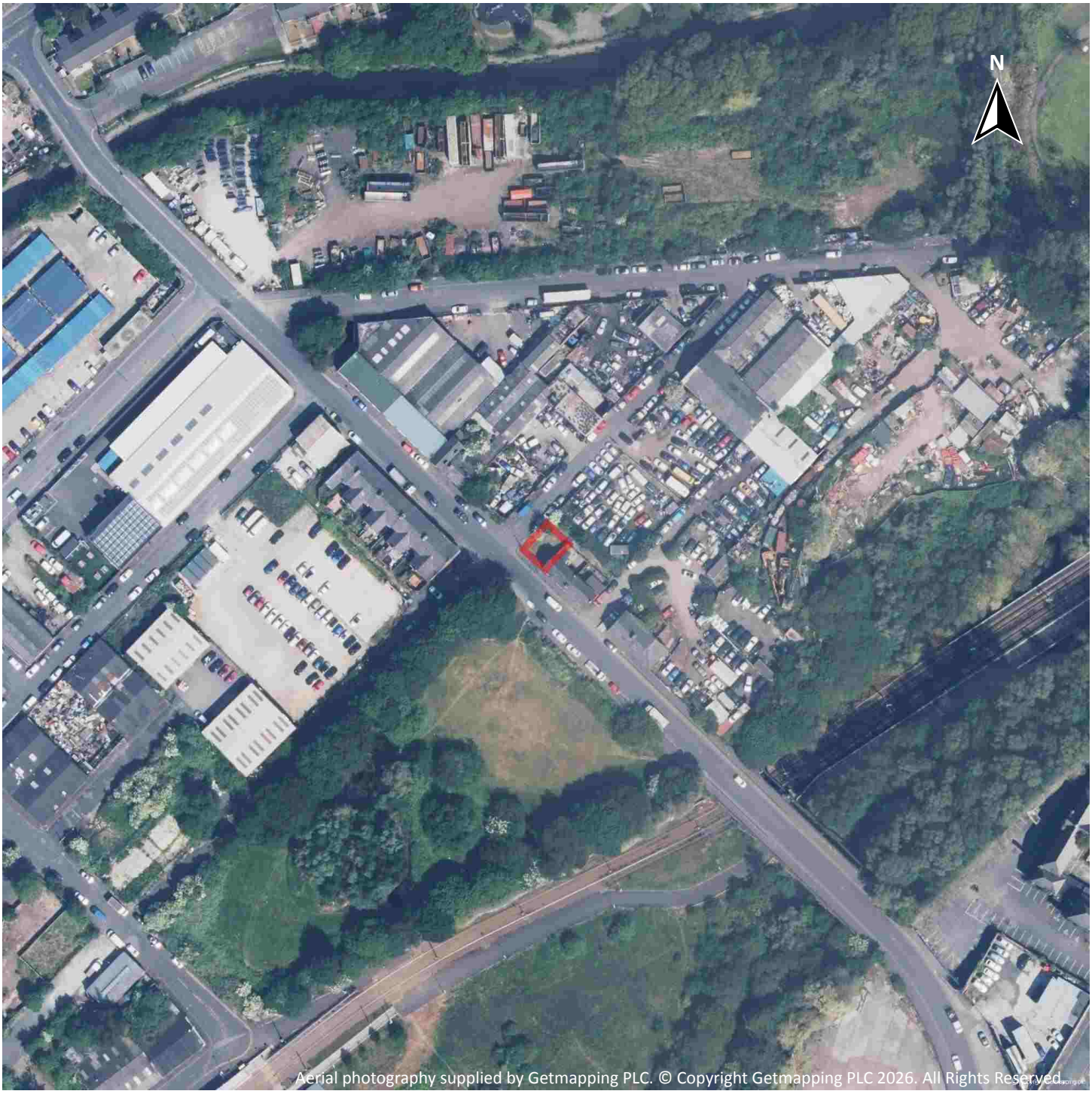
109	10.12	Proposed Ramsar sites	0	0	0	0	0
109	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
110	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
110	10.15	Nitrate Sensitive Areas	0	0	0	0	0
110 >	10.16 >	Nitrate Vulnerable Zones >	0	0	0	0	1
111 >	10.17 >	SSSI Impact Risk Zones >	1	-	-	-	-
112	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
113	11.1	World Heritage Sites	0	0	0	-	-
113	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
113	11.3	National Parks	0	0	0	-	-
113	11.4	Listed Buildings	0	0	0	-	-
114	11.5	Conservation Areas	0	0	0	-	-
114	11.6	Scheduled Ancient Monuments	0	0	0	-	-
114	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	Agricultural designations >	On site	0-50m	50-250m	250-500m	500-2000m
115 >	12.1 >	Agricultural Land Classification >	Urban (within 250m)				
116	12.2	Open Access Land	0	0	0	-	-
116	12.3	Tree Felling Licences	0	0	0	-	-
116	12.4	Environmental Stewardship Schemes	0	0	0	-	-
116	12.5	Countryside Stewardship Schemes	0	0	0	-	-
Page	Section	Habitat designations >	On site	0-50m	50-250m	250-500m	500-2000m
117	13.1	Priority Habitat Inventory	0	0	0	-	-
117	13.2	Habitat Networks	0	0	0	-	-
118 >	13.3 >	Open Mosaic Habitat >	0	0	2	-	-
118	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
119 >	14.1 >	10k Availability >	Identified (within 500m)				
120 >	14.2 >	Artificial and made ground (10k) >	1	0	2	2	-

122 >	14.3 >	Superficial geology (10k) >	2	0	1	1	-
123	14.4	Landslip (10k)	0	0	0	0	-
124 >	14.5 >	Bedrock geology (10k) >	1	0	4	4	-
125 >	14.6 >	Bedrock faults and other linear features (10k) >	0	0	0	2	-
Page	Section	**Geology 1:50,000 scale >**	On site	0-50m	50-250m	250-500m	500-2000m
126 >	15.1 >	50k Availability >	Identified (within 500m)				
127 >	15.2 >	Artificial and made ground (50k) >	1	0	0	0	-
128 >	15.3 >	Artificial ground permeability (50k) >	1	0	-	-	-
129 >	15.4 >	Superficial geology (50k) >	2	0	0	1	-
130 >	15.5 >	Superficial permeability (50k) >	Identified (within 50m)				
130	15.6	Landslip (50k)	0	0	0	0	-
130	15.7	Landslip permeability (50k)	None (within 50m)				
131 >	15.8 >	Bedrock geology (50k) >	1	0	3	3	-
132 >	15.9 >	Bedrock permeability (50k) >	Identified (within 50m)				
132 >	15.10 >	Bedrock faults and other linear features (50k) >	0	0	0	3	-
Page	Section	**Boreholes >**	On site	0-50m	50-250m	250-500m	500-2000m
133 >	16.1 >	BGS Boreholes >	0	1	70	-	-
Page	Section	**Natural ground subsidence >**					
138 >	17.1 >	Shrink swell clays >	Very low (within 50m)				
139 >	17.2 >	Running sands >	Very low (within 50m)				
140 >	17.3 >	Compressible deposits >	Very low (within 50m)				
141 >	17.4 >	Collapsible deposits >	Very low (within 50m)				
142 >	17.5 >	Landslides >	Very low (within 50m)				
143 >	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
145 >	18.1 >	BritPits >	0	0	2	0	-
146 >	18.2 >	Surface ground workings >	1	0	29	-	-
147 >	18.3 >	Underground workings >	0	0	0	0	7
148	18.4	Underground mining extents	0	0	0	0	-

148	18.5	Historical Mineral Planning Areas	0	0	0	0	-
148 >	18.6 >	Non-coal mining >	1	0	0	2	2
149 >	18.7 >	JPB mining areas >	Identified (within 0m)				
150	18.8	The Coal Authority non-coal mining	0	0	0	0	-
150 >	18.9 >	Researched mining >	0	0	0	1	-
150	18.10	Mining record office plans	0	0	0	0	-
150	18.11	BGS mine plans	0	0	0	0	-
151 >	18.12 >	Coal mining >	Identified (within 0m)				
151	18.13	Brine areas	None (within 0m)				
151	18.14	Gypsum areas	None (within 0m)				
151	18.15	Tin mining	None (within 0m)				
151	18.16	Clay mining	None (within 0m)				
Page	Section	Ground cavities and sinkholes	On site	0-50m	50-250m	250-500m	500-2000m
152	19.1	Natural cavities	0	0	0	0	-
152	19.2	Mining cavities	0	0	0	0	0
152	19.3	Reported recent incidents	0	0	0	0	-
152	19.4	Historical incidents	0	0	0	0	-
Page	Section	Radon >					
154 >	20.1 >	Radon >	Between 5% and 10% (within 0m)				
Page	Section	Soil chemistry >	On site	0-50m	50-250m	250-500m	500-2000m
156 >	21.1 >	BGS Estimated Background Soil Chemistry >	1	1	-	-	-
156 >	21.2 >	BGS Estimated Urban Soil Chemistry >	2	2	-	-	-
157 >	21.3 >	BGS Measured Urban Soil Chemistry >	0	1	-	-	-
Page	Section	Railway infrastructure and projects >	On site	0-50m	50-250m	250-500m	500-2000m
158	22.1	Underground railways (London)	0	0	0	-	-
158	22.2	Underground railways (Non-London)	0	0	0	-	-
159	22.3	Railway tunnels	0	0	0	-	-
159 >	22.4 >	Historical railway and tunnel features >	0	0	1	-	-
159	22.5	Royal Mail tunnels	0	0	0	-	-

159	22.6	Historical railways	0	0	0	-	-
160 >	**22.7 >**	**Railways >**	0	0	15	-	-
160	22.8	Crossrail 2	0	0	0	0	-
161	22.9	HS2	0	0	0	0	-

Recent aerial photograph



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Capture Date: 07/04/2023

Site Area: 0.01ha

Recent site history - 2022 aerial photograph



Capture Date: 18/10/2022

Site Area: 0.01ha

Recent site history - 2015 aerial photograph



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Capture Date: 11/06/2015

Site Area: 0.01ha

Recent site history - 2009 aerial photograph



Capture Date: 02/06/2009

Site Area: 0.01ha

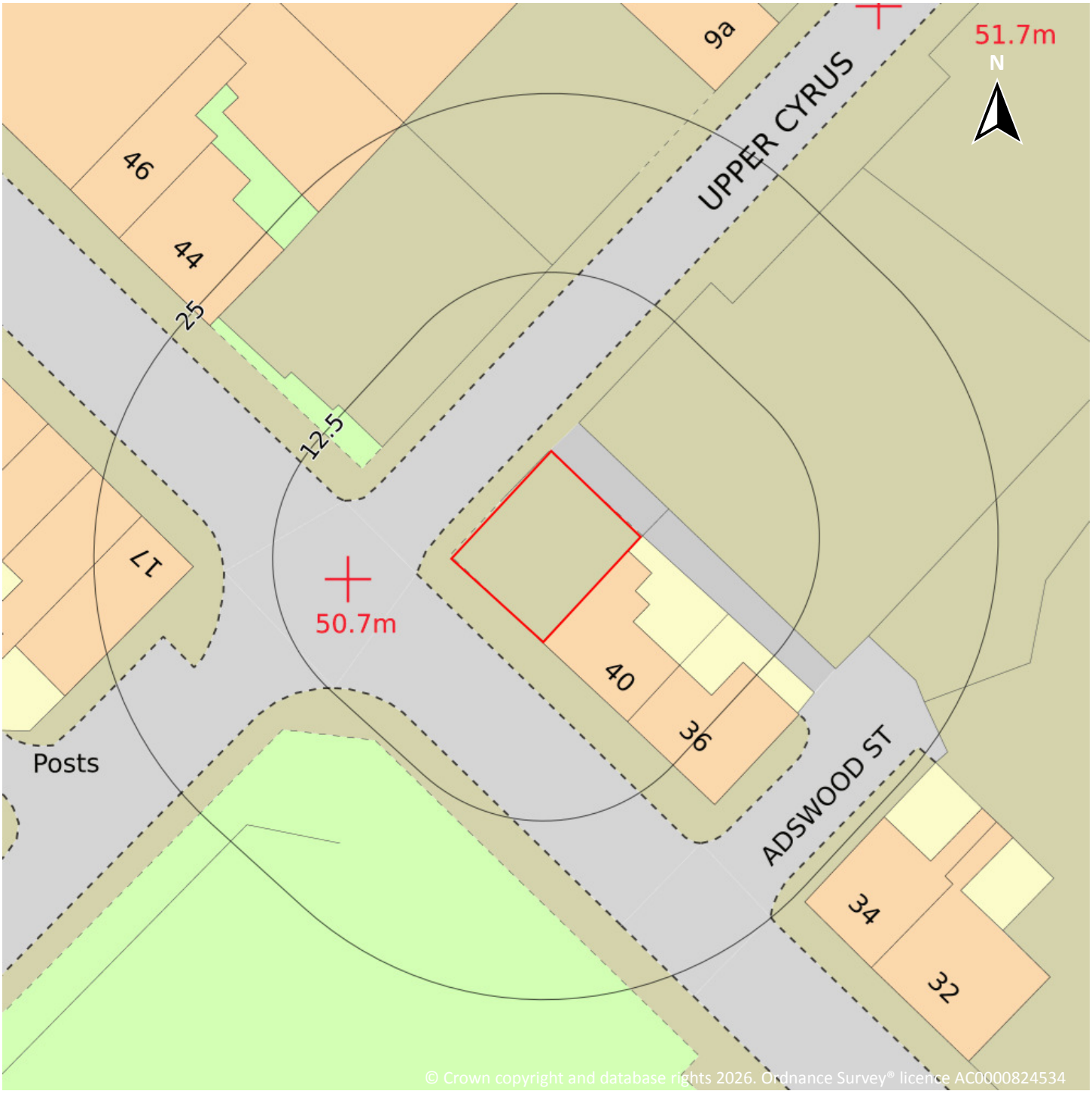
Recent site history - 2000 aerial photograph



Capture Date: 19/06/2000

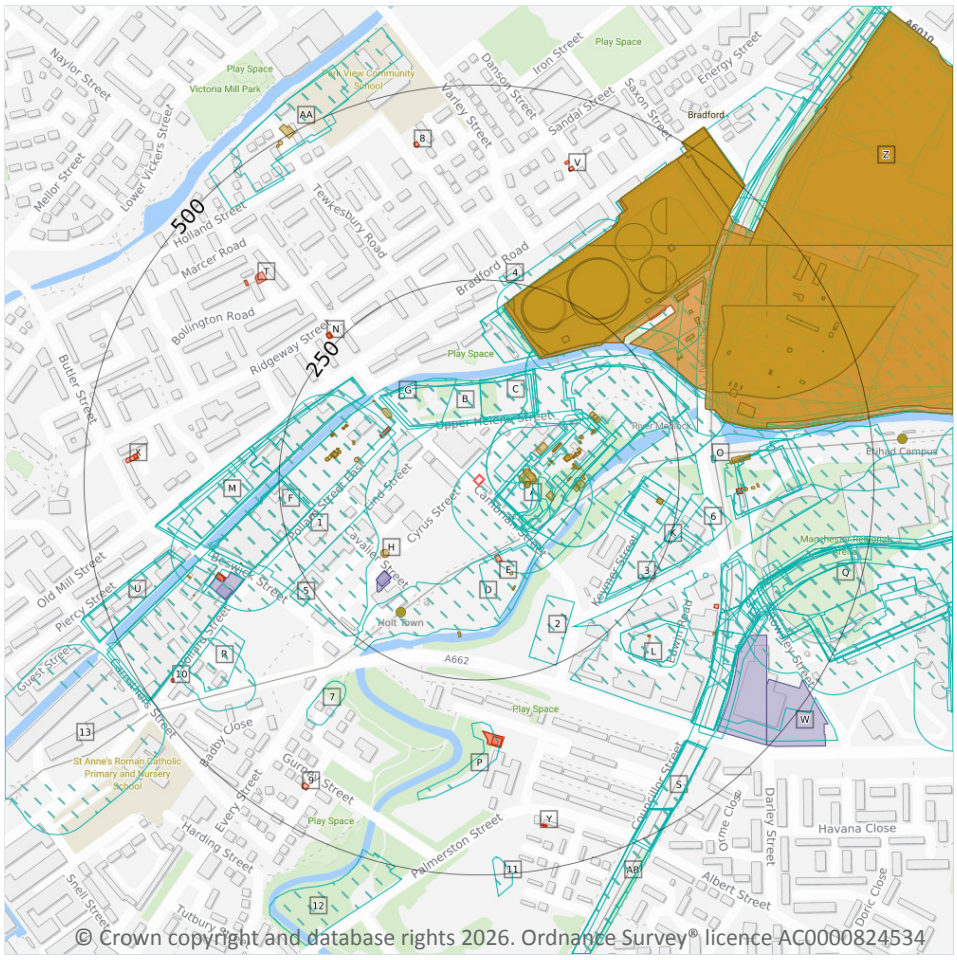
Site Area: 0.01ha

OS MasterMap site plan



Site Area: 0.01ha

1 Past land use



Site Outline

Search buffers in metres (m)

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

1.1 Historical industrial land uses

Records within 500m	176

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**	**Oil Works**	**1921 - 1923**	**885930**

ID	Location	Land use	Dates present	Group ID
A	6m E	Sanitary Works	1933	969226
A	6m E	Sanitary Works	1921	1006250
A	17m NE	Unspecified Works	1985	990430
A	23m SE	Unspecified Works	1981	970320
A	26m SE	Sanitary Works	1891 - 1906	861208
A	26m SE	Sanitary Works	1938	977469
A	28m SE	Sanitary Works	1956	986893
A	37m SE	Unspecified Works	1991	971269
A	38m E	Unspecified Tank	1923	869835
A	43m E	Unspecified Tank	1906 - 1938	912643
A	46m E	Unspecified Tank	1923	869717
A	50m E	Unspecified Tank	1906 - 1938	1003735
A	51m E	Unspecified Tank	1933 - 1938	932910
A	51m E	Unspecified Tank	1906 - 1921	955403
A	59m SE	Unspecified Ground Workings	1906 - 1933	957542
A	59m SE	Unspecified Ground Workings	1938	1002195
A	66m SE	Unspecified Heap	1956 - 1968	926479
B	67m N	Unspecified Mills	1923	1005006
A	68m SE	Unspecified Ground Workings	1891	979070
B	68m N	Unspecified Mills	1921	889981
B	68m N	Unspecified Mills	1938	997008
B	71m N	Unspecified Mills	1956	877796
C	73m N	Unspecified Mills	1985 - 1991	866027
C	73m N	Unspecified Mills	1968 - 1981	930201
A	77m E	Unspecified Works	1968	866906
1	84m NW	Brick Field	1848	806862
D	90m SE	Cotton Mills	1848	925309
E	92m SE	Unspecified Works	1968	835405

ID	Location	Land use	Dates present	Group ID
F	100m W	Unspecified Mill	1938	873483
A	104m E	Unspecified Commercial/Industrial	1923	822332
A	114m E	Unspecified Tank	1923	957710
A	116m E	Unspecified Tank	1906	927746
A	116m E	Unspecified Tank	1938	947807
F	117m NW	Unspecified Commercial/Industrial	1985 - 1991	982280
F	125m NW	Unspecified Commercial/Industrial	1956	988807
G	138m NW	Chimney	1985 - 1991	951240
A	143m NE	Sanitary Works	1923	952734
I	147m N	Unspecified Works	1968	835253
I	147m N	Unspecified Commercial/Industrial	1956	925268
A	158m NE	Unspecified Ground Workings	1968	814184
I	158m NE	Gas Works	1985 - 1991	934414
2	166m SE	Unspecified Works	1985 - 1991	908814
I	167m NE	Raising Works	1906	856962
I	167m NE	Unspecified Commercial/Industrial	1933 - 1938	882756
I	167m NE	Unspecified Commercial/Industrial	1891	925169
I	167m NE	Gas Stove Works	1921 - 1923	965127
I	168m N	Brick Field	1848	806730
G	177m NW	Unspecified Mill	1933 - 1938	864630
G	177m NW	Unspecified Mill	1921	944902
G	177m NW	Unspecified Mill	1923	908097
K	178m E	Cotton Works	1891 - 1938	960472
I	183m NE	Gas Work	1981	821724
K	183m E	Unspecified Works	1981	876391
K	184m E	Unspecified Works	1985 - 1991	874812
K	185m E	Unspecified Factory	1968	857110
I	192m N	Unspecified Tank	1933 - 1938	922382

ID	Location	Land use	Dates present	Group ID
I	198m N	Gasometers	1981	981306
I	198m N	Unspecified Tanks	1956 - 1968	1003635
I	200m NE	Gasometers	1991	1007494
I	202m NE	Gasometer	1985	1001604
F	206m W	Unspecified Works	1968	835186
F	212m W	Unspecified Mill	1933	932675
F	212m W	Unspecified Mill	1921	953986
F	214m W	Unspecified Mill	1923	1004081
L	218m SE	Brick Field	1848	806763
M	232m W	Unspecified Works	1923	910395
3	234m SE	Brick Kiln	1848	825979
K	236m SE	Unspecified Works	1968	835406
I	236m NE	Unspecified Tank	1906	862125
I	236m NE	Unspecified Tank	1933 - 1938	912555
I	236m NE	Gasometer	1921 - 1923	913534
4	244m N	Brick Kilns	1848	821780
I	251m NE	Gasometer	1985	965301
M	258m W	Unspecified Works	1933 - 1938	976355
M	258m W	Unspecified Works	1921	982368
5	258m SW	Police Station	1968	858791
L	263m SE	Unspecified Works	1985	911564
L	263m SE	Unspecified Works	1981	918823
6	263m E	Pottery	1848	812050
J	264m E	Gas Works	1891	918655
J	265m NE	Railway Sidings	1923	965613
J	271m NE	Railway Sidings	1933 - 1938	866254
J	271m NE	Railway Sidings	1906 - 1921	886040
L	278m SE	Unspecified Works	1991	861227

ID	Location	Land use	Dates present	Group ID
M	283m W	Unspecified Works	1968	908240
J	292m E	Railway Sidings	1981	898695
O	292m E	Railway Building	1923	854266
J	302m E	Gas Works	1923	932342
P	304m S	Unspecified Pit	1991	829269
K	307m SE	Coal Pit	1848	832398
J	307m E	Unspecified Commercial/Industrial	1956	892151
O	309m E	Unspecified Mill	1923	976257
7	309m SW	Tanks	1848	827408
J	313m E	Unspecified Commercial/Industrial	1933 - 1938	931170
J	313m E	Gas Works	1906 - 1921	1008628
I	316m NE	Gasometer	1923	812166
I	316m NE	Unspecified Tank	1906 - 1921	874259
I	316m NE	Unspecified Tank	1933 - 1938	927133
J	318m NE	Railway Sidings	1891	977689
J	319m E	Railway Sidings	1956 - 1968	899298
O	321m E	Unspecified Mill	1933 - 1938	960004
O	321m E	Unspecified Mill	1891	961187
F	321m SW	Unspecified Works	1968	835187
O	322m E	Fustian Mills	1848	833162
I	322m NE	Unspecified Tank	1891	880908
J	323m E	Unspecified Commercial/Industrial	1968 - 1981	886162
Q	323m E	Railway Sidings	1981	892909
K	325m E	Cuttings	1956	918351
O	326m E	Unspecified Factory	1985 - 1991	971126
Q	327m E	Colliery	1968	864185
I	331m NE	Gasometer	1923	812167
I	331m NE	Unspecified Tank	1906 - 1921	976978

ID	Location	Land use	Dates present	Group ID
K	333m E	Cuttings	1891	951670
I	338m NE	Unspecified Tank	1891	977161
K	348m SE	Cuttings	1923	865850
K	348m SE	Cuttings	1906	889386
K	348m SE	Cuttings	1938	955968
Q	348m SE	Railway Sidings	1921 - 1923	892926
Q	348m SE	Railway Sidings	1906	987283
F	353m SW	Unspecified Commercial/Industrial	1923	896382
K	355m SE	Cuttings	1921	958485
K	355m SE	Cuttings	1933	1009060
Q	355m SE	Railway Sidings	1933 - 1938	864917
R	359m SW	Hospital	1956	910790
Q	363m SE	Railway Sidings	1968	939747
O	365m E	Unspecified Mill	1968	925789
K	367m SE	Cuttings	1956	985403
S	368m SE	Cuttings	1956	876406
K	368m SE	Cuttings	1968	938378
K	370m SE	Railway Building	1923	854265
I	373m NE	Gasometer	1923	812169
I	373m NE	Unspecified Tank	1906 - 1921	950505
I	375m NE	Unspecified Pit	1933 - 1938	907736
Q	375m E	Engine House	1848	822777
R	375m SW	Hospital	1985	934278
Q	376m E	Mineral Yard	1906 - 1921	970266
Q	377m E	Unspecified Works	1968	861471
Q	377m E	Cuttings	1933 - 1956	934597
Q	377m E	Railway Sidings	1956	956843
Q	378m E	Cuttings	1906 - 1921	897688

ID	Location	Land use	Dates present	Group ID
I	379m NE	Unspecified Tank	1891	992656
K	380m SE	Cuttings	1991	880803
Q	380m E	Cuttings	1923	1008258
Q	381m SE	Cuttings	1985	869419
Q	381m E	Railway Sidings	1891	941022
U	384m W	Unspecified Mill	1921	880291
U	384m W	Unspecified Mill	1933 - 1938	917046
I	385m NE	Unspecified Pit	1933 - 1938	909239
U	388m W	Unspecified Mill	1923	905481
I	388m NE	Gasometer	1923	812168
I	388m NE	Unspecified Tank	1906 - 1921	974274
I	390m NE	Unspecified Tank	1891	984661
I	398m NE	Unspecified Commercial/Industrial	1848	932830
Q	399m E	Cuttings	1968 - 1981	922099
Q	402m SE	Mineral Yard	1923	968024
S	421m SE	Cuttings	1923	928398
S	422m SE	Cuttings	1934	859200
S	422m SE	Cuttings	1921	859201
S	422m SE	Cuttings	1933	859202
S	422m SE	Cuttings	1891	859255
S	422m SE	Cuttings	1938	859258
S	422m SE	Cuttings	1906	859268
W	428m SE	Unspecified Works	1981	835503
AA	454m NW	Alum Works	1923	816947
AA	457m NW	Unspecified Mill	1968	826114
I	461m NE	Brick Works	1891	818424
Q	466m E	Goods Shed	1933 - 1968	863668
AB	468m SE	Cuttings	1938	911617

ID	Location	Land use	Dates present	Group ID
AB	468m SE	Cuttings	1915	940691
S	470m SE	Cuttings	1905	931211
I	470m NE	Unspecified Works	1968	835249
I	471m NE	Coal Pit	1848	832383
11	477m S	Unspecified Pit	1985 - 1991	906169
12	490m S	Unspecified Commercial/Industrial	1934	822200
13	499m SW	Unspecified Mills	1938	967036

This data is sourced from Ordnance Survey® / Groundsure.

1.2 Historical tanks

Records within 500m	**169**

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	1922 - 1931	156116
A	51m E	Tanks	1908	131285
A	52m E	Unspecified Tank	1908	152183
A	53m E	Unspecified Tank	1922 - 1931	134718
A	76m NE	Tanks	1948	108705
A	82m E	Tanks	1948 - 1955	139291
A	84m E	Unspecified Tank	1931	115263
A	87m E	Unspecified Tank	1955	141083
A	87m E	Unspecified Tank	1948	153025
A	89m E	Unspecified Tank	1979	129755
A	94m NE	Unspecified Tank	1948 - 1955	137259

ID	Location	Land use	Dates present	Group ID
A	95m E	Unspecified Tank	1979	155088
A	105m E	Tanks	1948 - 1955	127418
A	105m E	Tanks	1989	147083
A	106m E	Tanks	1979 - 1986	144794
A	107m E	Unspecified Tank	1891	115275
A	113m E	Unspecified Tank	1908	115257
A	114m E	Tanks	1931	108700
A	115m E	Tanks	1948 - 1955	141198
A	116m E	Tanks	1979	151654
A	117m E	Tanks	1948 - 1955	144507
A	118m E	Tanks	1979	132718
E	119m S	Unspecified Tank	1891	115255
A	119m E	Unspecified Tank	1908	115258
A	119m E	Unspecified Tank	1908 - 1931	151641
A	121m E	Tanks	1931	128254
A	121m E	Unspecified Tank	1908	115259
A	122m E	Unspecified Tank	1891	115274
A	125m E	Tanks	1908 - 1922	146326
A	125m E	Unspecified Tank	1986 - 1989	135715
A	126m E	Tanks	1955	127091
A	126m E	Tanks	1948	138444
A	126m E	Tanks	1979	133359
A	130m E	Unspecified Tank	1931	115262
A	133m NE	Unspecified Tank	1948 - 1955	142298
G	133m NW	Tanks	1948 - 1958	143032
A	134m NE	Unspecified Tank	1979	141078
E	137m S	Unspecified Tank	1948 - 1955	139735
H	142m SW	Unspecified Tank	1955 - 1958	152286

ID	Location	Land use	Dates present	Group ID
A	149m NE	Unspecified Tank	1931	115261
G	150m W	Unspecified Tank	1963 - 1969	153290
A	151m NE	Unspecified Tank	1948 - 1955	139146
A	152m NE	Unspecified Tank	1979	130249
A	158m NE	Unspecified Tank	1891	116010
A	159m NE	Unspecified Tank	1891	116009
G	160m W	Unspecified Tank	1922	114903
A	161m NE	Unspecified Tank	1891	116011
G	161m W	Unspecified Tank	1931	114904
G	163m NW	Unspecified Tank	1948	114910
J	169m NE	Gas Works	1908 - 1922	129144
I	169m NE	Gas Works	1893	137050
G	175m W	Tanks	1948 - 1951	141682
G	175m W	Unspecified Tank	1951 - 1969	156172
I	175m NE	Gas Works	1979	127994
G	176m NW	Unspecified Tank	1951	144997
G	177m NW	Unspecified Tank	1969	142568
G	177m NW	Unspecified Tank	1965	153150
G	177m NW	Unspecified Tank	1963	134549
G	177m W	Tanks	1969 - 1989	126961
G	177m W	Unspecified Tank	1965	114905
G	177m W	Tanks	1963	150968
G	178m W	Unspecified Tank	1969	133045
G	178m W	Unspecified Tank	1965	141118
G	178m W	Tanks	1948	153129
G	178m W	Unspecified Tank	1951	156085
G	178m W	Tanks	1948	127481
G	178m W	Tanks	1951	147413

ID	Location	Land use	Dates present	Group ID
G	178m W	Unspecified Tank	1963	152592
G	179m W	Unspecified Tank	1948	132689
G	179m W	Unspecified Tank	1951	146742
G	179m W	Unspecified Tank	1969	152148
G	179m W	Unspecified Tank	1965	155910
I	179m NE	Gas Holder Station	1992	155407
G	179m W	Unspecified Tank	1948	135367
G	179m W	Unspecified Tank	1963	137750
G	179m W	Unspecified Tank	1951	141199
I	179m NE	Gas Holder Station	1986 - 1989	147206
G	180m W	Unspecified Tank	1965	114906
G	181m W	Unspecified Tank	1965	114909
G	183m W	Unspecified Tank	1994	133270
G	184m W	Unspecified Tank	1965	129868
G	188m W	Unspecified Tank	1994	114911
G	188m W	Tanks	1948 - 1963	141032
G	188m W	Tanks	1969	149183
G	189m W	Unspecified Tank	1965	114907
D	189m S	Tanks	1931	111415
G	190m W	Unspecified Tank	1965	114908
I	198m N	Unspecified Tank	1931	136127
I	201m N	Gasholder	1992	112415
I	201m NE	Tanks	1986 - 1992	129093
I	201m N	Unspecified Tank	1958	129398
I	201m N	Gas Holder	1986 - 1989	149538
I	202m N	Unspecified Tank	1948 - 1955	145461
I	203m N	Gasometers	1979	112775
K	223m E	Unspecified Tank	1989	115256

ID	Location	Land use	Dates present	Group ID
K	223m E	Tanks	1992	108699
I	239m NE	Unspecified Tank	1931	126338
I	239m NE	Gasometer	1908 - 1922	150762
I	244m NE	Gas Holder	1986 - 1989	129473
I	244m NE	Unspecified Tank	1948 - 1955	133287
I	244m NE	Unspecified Tank	1958	155668
I	245m NE	Gasholder	1992	112414
L	290m SE	Unspecified Tank	1980	139902
L	290m SE	Unspecified Tank	1979	115266
L	290m SE	Unspecified Tank	1979	137238
L	290m SE	Unspecified Tank	1983	153704
I	292m NE	Unspecified Tank	1908 - 1922	155838
I	296m NE	Unspecified Tank	1948	116018
J	298m E	Gas Works	1948 - 1949	145718
I	308m NE	Overhead Tanks	1948	126091
J	314m E	Gas Works	1891	136888
I	314m NE	Unspecified Tank	1948	116016
O	316m E	Tanks	1931	127102
F	316m W	Unspecified Tank	1891	123116
I	318m NE	Gasometers	1893 - 1922	143424
O	318m E	Tanks	1948 - 1955	126574
I	320m NE	Unspecified Tank	1931	116005
I	320m NE	Unspecified Tank	1948	116017
I	321m NE	Gasometer	1891	114282
I	325m NE	Gas Holder Station	1994 - 1995	149486
I	325m NE	Gas Holder Station	1991	151598
J	333m E	Overhead Tanks	1948	126092
O	334m E	Unspecified Tank	1908	115260

ID	Location	Land use	Dates present	Group ID
I	335m NE	Gasometer	1891	114324
J	336m E	Tanks	1931 - 1948	150781
J	337m E	Tanks	1979	109001
I	337m NE	Tanks	1922 - 1931	143487
I	338m NE	Tanks	1908	127359
I	338m NE	Tanks	1948	109006
I	339m NE	Tanks	1948	109007
J	342m E	Tanks	1955 - 1979	154788
O	343m E	Tank or Trough	1908	112945
J	348m E	Tanks	1979	109000
O	349m E	Unspecified Tank	1931	115264
J	351m NE	Unspecified Tank	1948	116019
K	353m SE	Unspecified Tank	1979	115267
I	377m NE	Tanks	1992	129135
I	377m NE	Tanks	1989	130835
I	377m NE	Tanks	1986	140629
I	383m NE	Unspecified Tank	1994 - 1995	140823
I	383m NE	Unspecified Tank	1991	130349
F	383m W	Unspecified Tank	1891	123115
F	387m W	Unspecified Tank	1891	123114
I	388m NE	Gasometer	1891	114281
J	390m E	Tanks	1948	109002
J	395m E	Unspecified Tank	1891	116015
J	423m NE	Unspecified Tank	1955 - 1958	143474
J	423m NE	Unspecified Tank	1979	147609
J	424m E	Unspecified Tank	1948	116006
J	439m NE	Unspecified Tank	1948	136883
I	447m NE	Gas Works	1949	144247

ID	Location	Land use	Dates present	Group ID
J	454m NE	Unspecified Tank	1891	134368
Z	454m NE	Gas Works	1968 - 1970	144054
J	462m NE	Tanks	1931	108999
J	464m E	Unspecified Tank	1891	116012
I	467m NE	Gas Works	1968 - 1970	151080
I	467m NE	Gas Works	1984	134635
I	467m NE	Gas Works	1952	133566
I	467m NE	Gas Works	1948	144593
J	473m NE	Tanks	1948	109005
J	479m NE	Unspecified Tank	1948	116007
J	487m NE	Unspecified Tank	1931	116004
J	488m NE	Tanks	1948	109003
J	491m NE	Tanks	1948	109004
J	491m NE	Unspecified Tank	1948 - 1955	154092
J	492m NE	Unspecified Tank	1979	137393
AA	493m NW	Unspecified Tank	1893	115278
AA	494m NW	Unspecified Tank	1908 - 1922	135207
AA	496m NW	Tanks	1908 - 1922	138010

This data is sourced from Ordnance Survey® / Groundsure.

1.3 Historical energy features

Records within 500m	**58**

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
E	92m S	Electricity Substation	1955	66273
G	125m NW	Electricity Substation	1955 - 1986	73780
G	126m NW	Electricity Substation	1989	79820
G	126m NW	Electricity Substation	1992	85050
J	169m NE	Gas Works	1908 - 1922	76691
I	169m NE	Gas Works	1893	91077
I	175m NE	Gas Works	1979	77974
I	179m NE	Gas Holder Station	1992	80685
I	179m NE	Gas Holder Station	1986 - 1989	84154
I	201m N	Gasholder	1992	67894
I	201m N	Gas Holder	1986 - 1989	90051
I	203m N	Gasometers	1979	68259
I	221m N	Corporation Gas Works	1891	91333
I	239m NE	Gasometer	1908 - 1922	74269
I	244m NE	Gas Holder	1986 - 1989	81089
I	245m NE	Gasholder	1992	67893
N	258m NW	Electricity Substation	1969	72834
N	259m NW	Electricity Substation	1989	80730
N	260m NW	Electricity Substation	1994	69425
J	298m E	Gas Works	1948 - 1949	80506
J	314m E	Gas Works	1891	73835
P	315m S	Electricity Substation	1948	73776
P	316m S	Electricity Substation	1979 - 1987	69484
I	318m NE	Gasometers	1893 - 1922	70507
I	321m NE	Gasometer	1891	68394
P	322m S	Electricity Substation	1993	82484
O	323m E	Electricity Substation	1989	82233
O	324m E	Electricity Substation	1955 - 1986	87051

ID	Location	Land use	Dates present	Group ID
O	324m E	Electricity Substation	1992	89489
I	325m NE	Gas Holder Station	1994 - 1995	77874
I	325m NE	Gas Holder Station	1991	86109
I	335m NE	Gasometer	1891	68405
K	336m SE	Electricity Substation	1979 - 1992	77087
F	342m W	Electricity Substation	1948 - 1951	69125
F	342m W	Electricity Substation	1969	75704
F	344m W	Electricity Substation	1994	82202
F	344m W	Electricity Substation	1989	72975
T	371m NW	Electricity Substation	1989 - 1994	88012
T	383m NW	Electricity Substation	1969	65342
I	388m NE	Gasometer	1891	68393
V	406m N	Electricity Substation	1968 - 1984	80977
V	413m N	Electricity Substation	1991 - 1995	76485
8	427m N	Electricity Substation	1968 - 1995	69933
X	431m W	Electricity Substation	1989	85583
X	431m W	Electricity Substation	1994	81624
X	432m W	Electricity Substation	1969	79573
Y	442m S	Electricity Substation	1987	72993
Y	442m S	Electricity Substation	1980	86487
9	442m SW	Electricity Substation	1990 - 1997	80804
Y	443m S	Electricity Substation	1993	78978
Y	443m S	Electricity Substation	1979	78583
Y	443m S	Electricity Substation	1983 - 1986	86209
I	447m NE	Gas Works	1949	82665
Z	454m NE	Gas Works	1968 - 1970	79725
10	461m SW	Electricity Substation	1994 - 1997	82136
I	467m NE	Gas Works	1952 - 1970	78862

ID	Location	Land use	Dates present	Group ID
I	467m NE	Gas Works	1984	83012
I	467m NE	Gas Works	1948	70663

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	6

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
H	163m SW	Garage	1992	27850
H	163m SW	Garage	1986 - 1989	30806
F	320m SW	Garage	1963	23217
F	340m SW	Garage	1965 - 1969	28845
K	394m SE	Garage	1986	25230
W	446m SE	Garage	1983	27933

This data is sourced from Ordnance Survey® / Groundsure.

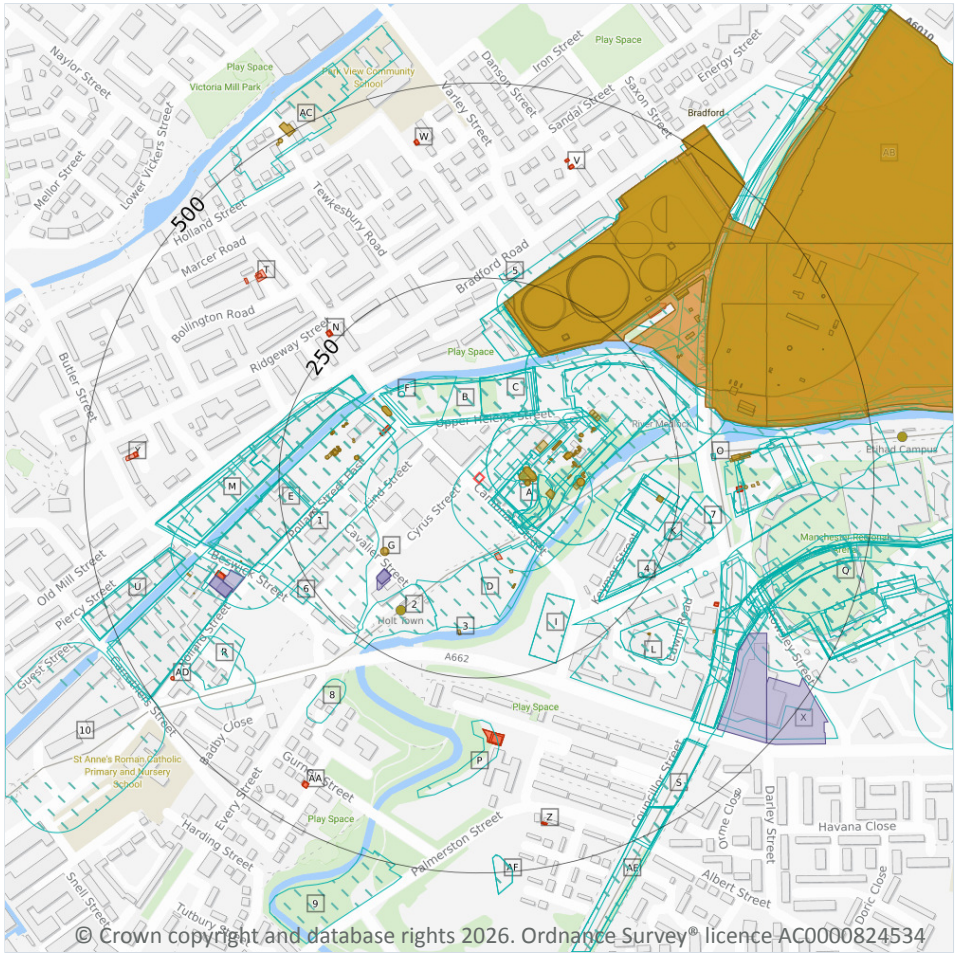
1.6 Historical military land

Records within 500m	0

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

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

2 Past land use - un-grouped



Site Outline

Search buffers in metres (m)

Historical industrial land uses

Historical tanks

Historical energy features

Historical garages

2.1 Historical industrial land uses

Records within 500m	244

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 33 >**

ID	Location	Land Use	Date	Group ID
A	**On site**	**Oil Works**	**1921**	**885930**
A	**On site**	**Oil Works**	**1923**	**885930**
A	6m E	Sanitary Works	1933	969226

ID	Location	Land Use	Date	Group ID
A	6m E	Sanitary Works	1921	1006250
A	17m NE	Unspecified Works	1985	990430
A	23m SE	Unspecified Works	1981	970320
A	26m SE	Sanitary Works	1906	861208
A	26m SE	Sanitary Works	1891	861208
A	26m SE	Sanitary Works	1938	977469
A	28m SE	Sanitary Works	1956	986893
A	37m SE	Unspecified Works	1991	971269
A	38m E	Unspecified Tank	1923	869835
A	43m E	Unspecified Tank	1921	912643
A	43m E	Unspecified Tank	1906	912643
A	43m E	Unspecified Tank	1938	912643
A	43m E	Unspecified Tank	1933	912643
A	46m E	Unspecified Tank	1923	869717
A	47m E	Unspecified Tank	1923	912643
A	50m E	Unspecified Tank	1921	1003735
A	50m E	Unspecified Tank	1906	1003735
A	50m E	Unspecified Tank	1938	1003735
A	50m E	Unspecified Tank	1933	1003735
A	51m E	Unspecified Tank	1921	955403
A	51m E	Unspecified Tank	1906	955403
A	51m E	Unspecified Tank	1938	932910
A	51m E	Unspecified Tank	1933	932910
A	53m E	Unspecified Tank	1923	1003735
A	57m E	Unspecified Tank	1921	1003735
A	57m E	Unspecified Tank	1906	1003735
A	57m E	Unspecified Tank	1938	1003735
A	57m E	Unspecified Tank	1933	1003735

ID	Location	Land Use	Date	Group ID
A	59m SE	Unspecified Ground Workings	1938	1002195
A	59m SE	Unspecified Ground Workings	1933	957542
A	59m SE	Unspecified Ground Workings	1921	957542
A	59m SE	Unspecified Ground Workings	1906	957542
A	59m SE	Unspecified Ground Workings	1923	957542
A	66m SE	Unspecified Heap	1956	926479
A	66m SE	Unspecified Heap	1968	926479
B	67m N	Unspecified Mills	1923	1005006
A	68m SE	Unspecified Ground Workings	1891	979070
B	68m N	Unspecified Mills	1921	889981
B	68m N	Unspecified Mills	1938	997008
B	71m N	Unspecified Mills	1956	877796
C	73m N	Unspecified Mills	1985	866027
C	73m N	Unspecified Mills	1981	930201
C	73m N	Unspecified Mills	1991	866027
C	73m N	Unspecified Mills	1968	930201
A	77m E	Unspecified Works	1968	866906
1	84m NW	Brick Field	1848	806862
D	90m SE	Cotton Mills	1848	925309
D	92m SE	Unspecified Works	1968	835405
E	100m W	Unspecified Mill	1938	873483
A	104m E	Unspecified Commercial/Industrial	1923	822332
A	114m E	Unspecified Tank	1923	957710
A	116m E	Unspecified Tank	1906	927746
A	116m E	Unspecified Tank	1938	947807
E	117m NW	Unspecified Commercial/Industrial	1985	982280
E	117m NW	Unspecified Commercial/Industrial	1991	982280
E	125m NW	Unspecified Commercial/Industrial	1956	988807

ID	Location	Land Use	Date	Group ID
F	138m NW	Chimney	1985	951240
F	138m NW	Chimney	1991	951240
A	143m NE	Sanitary Works	1923	952734
H	147m N	Unspecified Commercial/Industrial	1956	925268
H	147m N	Unspecified Works	1968	835253
2	152m SW	Cotton Mills	1848	925309
A	158m NE	Unspecified Ground Workings	1968	814184
H	158m NE	Gas Works	1985	934414
I	166m SE	Unspecified Works	1985	908814
I	166m SE	Unspecified Works	1991	908814
H	167m NE	Gas Stove Works	1921	965127
H	167m NE	Raising Works	1906	856962
H	167m NE	Unspecified Commercial/Industrial	1891	925169
H	167m NE	Unspecified Commercial/Industrial	1938	882756
H	167m NE	Unspecified Commercial/Industrial	1933	882756
H	167m NE	Gas Stove Works	1923	965127
H	168m N	Brick Field	1848	806730
F	177m NW	Unspecified Mill	1921	944902
F	177m NW	Unspecified Mill	1938	864630
F	177m NW	Unspecified Mill	1933	864630
F	177m NW	Unspecified Mill	1923	908097
K	178m E	Cotton Works	1921	960472
K	178m E	Cotton Works	1906	960472
K	178m E	Cotton Works	1891	960472
K	178m E	Cotton Works	1938	960472
K	178m E	Cotton Works	1933	960472
K	178m E	Cotton Works	1923	960472
H	183m NE	Gas Work	1981	821724

ID	Location	Land Use	Date	Group ID
H	183m NE	Gas Works	1991	934414
K	183m E	Unspecified Works	1981	876391
K	184m E	Unspecified Works	1985	874812
K	184m E	Unspecified Works	1991	874812
K	185m E	Unspecified Factory	1968	857110
H	192m N	Unspecified Tank	1938	922382
H	192m N	Unspecified Tank	1933	922382
H	198m N	Unspecified Tanks	1956	1003635
H	198m N	Gasometers	1981	981306
H	198m N	Unspecified Tanks	1968	1003635
H	200m NE	Gasometers	1991	1007494
H	202m NE	Gasometer	1985	1001604
E	206m W	Unspecified Works	1968	835186
E	212m W	Unspecified Mill	1921	953986
E	212m W	Unspecified Mill	1933	932675
E	214m W	Unspecified Mill	1923	1004081
L	218m SE	Brick Field	1848	806763
M	232m W	Unspecified Works	1923	910395
4	234m SE	Brick Kiln	1848	825979
K	236m SE	Unspecified Works	1968	835406
H	236m NE	Gasometer	1921	913534
H	236m NE	Unspecified Tank	1906	862125
H	236m NE	Unspecified Tank	1938	912555
H	236m NE	Unspecified Tank	1933	912555
H	236m NE	Gasometer	1923	913534
5	244m N	Brick Kilns	1848	821780
H	251m NE	Gasometer	1985	965301
M	258m W	Unspecified Works	1921	982368

ID	Location	Land Use	Date	Group ID
M	258m W	Unspecified Works	1938	976355
M	258m W	Unspecified Works	1933	976355
6	258m SW	Police Station	1968	858791
L	263m SE	Unspecified Works	1985	911564
L	263m SE	Unspecified Works	1981	918823
7	263m E	Pottery	1848	812050
J	264m E	Gas Works	1891	918655
J	265m NE	Railway Sidings	1923	965613
J	271m NE	Railway Sidings	1921	886040
J	271m NE	Railway Sidings	1906	886040
J	271m NE	Railway Sidings	1938	866254
J	271m NE	Railway Sidings	1933	866254
L	278m SE	Unspecified Works	1991	861227
M	283m W	Unspecified Works	1968	908240
J	292m E	Railway Sidings	1981	898695
O	292m E	Railway Building	1923	854266
J	302m E	Gas Works	1923	932342
P	304m S	Unspecified Pit	1991	829269
K	307m SE	Coal Pit	1848	832398
J	307m E	Unspecified Commercial/Industrial	1956	892151
O	309m E	Unspecified Mill	1923	976257
8	309m SW	Tanks	1848	827408
J	313m E	Gas Works	1921	1008628
J	313m E	Gas Works	1906	1008628
J	313m E	Unspecified Commercial/Industrial	1938	931170
J	313m E	Unspecified Commercial/Industrial	1933	931170
H	316m NE	Unspecified Tank	1921	874259
H	316m NE	Unspecified Tank	1906	874259

ID	Location	Land Use	Date	Group ID
H	316m NE	Unspecified Tank	1938	927133
H	316m NE	Unspecified Tank	1933	927133
H	316m NE	Gasometer	1923	812166
J	318m NE	Railway Sidings	1891	977689
J	319m E	Railway Sidings	1968	899298
O	321m E	Unspecified Mill	1891	961187
O	321m E	Unspecified Mill	1938	960004
O	321m E	Unspecified Mill	1933	960004
E	321m SW	Unspecified Works	1968	835187
O	322m E	Fustian Mills	1848	833162
H	322m NE	Unspecified Tank	1891	880908
J	323m E	Unspecified Commercial/Industrial	1981	886162
Q	323m E	Railway Sidings	1981	892909
J	323m E	Railway Sidings	1956	899298
K	325m E	Cuttings	1956	918351
O	326m E	Unspecified Factory	1985	971126
O	326m E	Unspecified Factory	1991	971126
Q	327m E	Colliery	1968	864185
J	328m E	Unspecified Commercial/Industrial	1968	886162
H	331m NE	Unspecified Tank	1921	976978
H	331m NE	Unspecified Tank	1906	976978
H	331m NE	Gasometer	1923	812167
K	333m E	Cuttings	1891	951670
H	338m NE	Unspecified Tank	1891	977161
K	348m SE	Cuttings	1923	865850
K	348m SE	Cuttings	1938	955968
K	348m SE	Cuttings	1906	889386
Q	348m SE	Railway Sidings	1906	987283

ID	Location	Land Use	Date	Group ID
Q	348m SE	Railway Sidings	1923	892926
E	353m SW	Unspecified Commercial/Industrial	1923	896382
K	355m SE	Cuttings	1933	1009060
K	355m SE	Cuttings	1921	958485
Q	355m SE	Railway Sidings	1921	892926
Q	355m SE	Railway Sidings	1933	864917
R	359m SW	Hospital	1956	910790
Q	363m SE	Railway Sidings	1968	939747
O	365m E	Unspecified Mill	1968	925789
K	367m SE	Cuttings	1956	985403
S	368m SE	Cuttings	1956	876406
K	368m SE	Cuttings	1968	938378
K	370m SE	Railway Building	1923	854265
H	373m NE	Unspecified Tank	1921	950505
H	373m NE	Unspecified Tank	1906	950505
H	373m NE	Gasometer	1923	812169
H	375m NE	Unspecified Pit	1938	907736
H	375m NE	Unspecified Pit	1933	907736
Q	375m E	Engine House	1848	822777
R	375m SW	Hospital	1985	934278
Q	376m E	Mineral Yard	1921	970266
Q	376m E	Mineral Yard	1906	970266
Q	377m E	Cuttings	1956	934597
Q	377m E	Railway Sidings	1956	956843
Q	377m E	Unspecified Works	1968	861471
Q	378m E	Railway Sidings	1938	864917
Q	378m E	Cuttings	1938	934597
Q	378m E	Cuttings	1933	934597

ID	Location	Land Use	Date	Group ID
Q	378m E	Cuttings	1921	897688
H	379m NE	Unspecified Tank	1891	992656
K	380m SE	Cuttings	1991	880803
Q	380m E	Cuttings	1923	1008258
Q	380m E	Cuttings	1906	897688
Q	381m SE	Cuttings	1985	869419
Q	381m E	Railway Sidings	1891	941022
U	384m W	Unspecified Mill	1921	880291
U	384m W	Unspecified Mill	1938	917046
U	384m W	Unspecified Mill	1933	917046
H	385m NE	Unspecified Pit	1938	909239
H	385m NE	Unspecified Pit	1933	909239
U	388m W	Unspecified Mill	1923	905481
H	388m NE	Unspecified Tank	1921	974274
H	388m NE	Unspecified Tank	1906	974274
H	388m NE	Gasometer	1923	812168
H	390m NE	Unspecified Tank	1891	984661
H	398m NE	Unspecified Commercial/Industrial	1848	932830
Q	399m E	Cuttings	1981	922099
Q	399m E	Cuttings	1968	922099
Q	402m SE	Mineral Yard	1923	968024
S	421m SE	Cuttings	1923	928398
S	422m SE	Cuttings	1938	859258
S	422m SE	Cuttings	1933	859202
S	422m SE	Cuttings	1921	859201
S	422m SE	Cuttings	1906	859268
S	422m SE	Cuttings	1891	859255
X	428m SE	Unspecified Works	1981	835503

ID	Location	Land Use	Date	Group ID
AC	454m NW	Alum Works	1923	816947
AC	457m NW	Unspecified Mill	1968	826114
H	461m NE	Brick Works	1891	818424
Q	466m E	Goods Shed	1938	863668
Q	466m E	Goods Shed	1933	863668
Q	468m E	Goods Shed	1956	863668
Q	468m E	Goods Shed	1968	863668
AE	468m SE	Cuttings	1938	911617
AE	468m SE	Cuttings	1934	859200
AE	468m SE	Cuttings	1915	940691
S	470m SE	Cuttings	1905	931211
H	470m NE	Unspecified Works	1968	835249
H	471m NE	Coal Pit	1848	832383
AF	477m S	Unspecified Pit	1985	906169
AF	477m S	Unspecified Pit	1991	906169
9	490m S	Unspecified Commercial/Industrial	1934	822200
10	499m SW	Unspecified Mills	1938	967036

This data is sourced from Ordnance Survey® / Groundsure.

2.2 Historical tanks

Records within 500m **227**

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 33 >**

ID	Location	Land Use	Date	Group ID
A	45m E	Tanks	1922	156116
A	45m E	Tanks	1931	156116
A	51m E	Tanks	1908	131285

ID	Location	Land Use	Date	Group ID
A	52m E	Unspecified Tank	1908	152183
A	53m E	Unspecified Tank	1922	134718
A	53m E	Unspecified Tank	1931	134718
A	76m NE	Tanks	1948	108705
A	82m E	Tanks	1948	139291
A	82m E	Tanks	1955	139291
A	84m E	Unspecified Tank	1931	115263
A	87m E	Unspecified Tank	1948	153025
A	87m E	Unspecified Tank	1955	141083
A	89m E	Unspecified Tank	1979	129755
A	94m NE	Unspecified Tank	1948	137259
A	94m NE	Unspecified Tank	1955	137259
A	95m E	Unspecified Tank	1979	155088
A	105m E	Tanks	1948	127418
A	105m E	Tanks	1989	147083
A	105m E	Tanks	1955	127418
A	106m E	Tanks	1979	144794
A	106m E	Tanks	1986	144794
A	107m E	Unspecified Tank	1891	115275
A	113m E	Unspecified Tank	1908	115257
A	114m E	Tanks	1931	108700
A	115m E	Tanks	1948	141198
A	115m E	Tanks	1955	141198
A	116m E	Tanks	1979	151654
A	117m E	Tanks	1948	144507
A	117m E	Tanks	1955	144507
A	118m E	Tanks	1979	132718
D	119m S	Unspecified Tank	1891	115255

ID	Location	Land Use	Date	Group ID
A	119m E	Unspecified Tank	1908	115258
A	119m E	Unspecified Tank	1908	151641
A	119m E	Unspecified Tank	1922	151641
A	119m E	Unspecified Tank	1931	151641
A	121m E	Tanks	1931	128254
A	121m E	Unspecified Tank	1908	115259
A	122m E	Unspecified Tank	1891	115274
A	125m E	Tanks	1908	146326
A	125m E	Tanks	1922	146326
A	125m E	Unspecified Tank	1989	135715
A	126m E	Tanks	1948	138444
A	126m E	Tanks	1955	127091
A	126m E	Tanks	1979	133359
A	126m E	Unspecified Tank	1986	135715
A	130m E	Unspecified Tank	1931	115262
A	133m NE	Unspecified Tank	1948	142298
A	133m NE	Unspecified Tank	1955	142298
F	133m NW	Tanks	1958	143032
A	134m NE	Unspecified Tank	1979	141078
F	134m NW	Tanks	1948	143032
F	134m NW	Tanks	1955	143032
D	137m S	Unspecified Tank	1948	139735
D	137m S	Unspecified Tank	1955	139735
G	142m SW	Unspecified Tank	1958	152286
G	143m SW	Unspecified Tank	1955	152286
A	149m NE	Unspecified Tank	1931	115261
F	150m W	Unspecified Tank	1965	153290
F	150m W	Unspecified Tank	1969	153290

ID	Location	Land Use	Date	Group ID
F	150m W	Unspecified Tank	1963	153290
A	151m NE	Unspecified Tank	1948	139146
A	151m NE	Unspecified Tank	1955	139146
A	152m NE	Unspecified Tank	1979	130249
A	158m NE	Unspecified Tank	1891	116010
A	159m NE	Unspecified Tank	1891	116009
F	160m W	Unspecified Tank	1922	114903
A	161m NE	Unspecified Tank	1891	116011
F	161m W	Unspecified Tank	1931	114904
F	163m NW	Unspecified Tank	1948	114910
J	169m NE	Gas Works	1908	129144
J	169m NE	Gas Works	1922	129144
H	169m NE	Gas Works	1893	137050
F	175m W	Tanks	1951	141682
F	175m W	Unspecified Tank	1963	156172
F	175m W	Tanks	1948	141682
F	175m W	Unspecified Tank	1965	156172
F	175m W	Unspecified Tank	1969	156172
F	175m W	Unspecified Tank	1951	156172
F	175m W	Tanks	1948	141682
H	175m NE	Gas Works	1979	127994
F	176m NW	Unspecified Tank	1951	144997
F	177m NW	Unspecified Tank	1965	153150
F	177m NW	Unspecified Tank	1969	142568
F	177m NW	Unspecified Tank	1963	134549
F	177m W	Tanks	1969	126961
F	177m W	Tanks	1969	126961
F	177m W	Unspecified Tank	1965	114905

ID	Location	Land Use	Date	Group ID
F	177m W	Tanks	1963	150968
F	178m W	Unspecified Tank	1965	141118
F	178m W	Unspecified Tank	1969	133045
F	178m W	Unspecified Tank	1951	156085
F	178m W	Tanks	1948	153129
F	178m W	Tanks	1951	147413
F	178m W	Unspecified Tank	1963	152592
F	178m W	Tanks	1948	127481
F	179m W	Unspecified Tank	1965	155910
F	179m W	Unspecified Tank	1969	152148
F	179m W	Unspecified Tank	1951	146742
F	179m W	Unspecified Tank	1948	132689
H	179m NE	Gas Holder Station	1992	155407
F	179m W	Unspecified Tank	1951	141199
F	179m W	Unspecified Tank	1963	137750
F	179m W	Unspecified Tank	1948	135367
H	179m NE	Gas Holder Station	1986	147206
H	179m NE	Gas Holder Station	1989	147206
F	180m W	Unspecified Tank	1965	114906
F	181m W	Unspecified Tank	1965	114909
F	183m W	Tanks	1989	126961
F	183m W	Unspecified Tank	1994	133270
F	184m W	Unspecified Tank	1965	129868
F	188m W	Unspecified Tank	1994	114911
F	188m W	Tanks	1969	149183
F	188m W	Tanks	1951	141032
F	188m W	Tanks	1948	141032
F	189m W	Unspecified Tank	1965	114907

ID	Location	Land Use	Date	Group ID
F	189m W	Tanks	1951	141032
F	189m W	Tanks	1963	141032
F	189m W	Tanks	1948	141032
3	189m S	Tanks	1931	111415
F	190m W	Unspecified Tank	1965	114908
H	198m N	Unspecified Tank	1931	136127
H	201m N	Gasholder	1992	112415
H	201m NE	Tanks	1992	129093
H	201m N	Unspecified Tank	1958	129398
H	201m N	Gas Holder	1986	149538
H	202m N	Unspecified Tank	1948	145461
H	202m N	Gas Holder	1989	149538
H	202m N	Unspecified Tank	1955	145461
H	202m NE	Tanks	1986	129093
H	202m NE	Tanks	1989	129093
H	203m N	Gasometers	1979	112775
K	223m E	Unspecified Tank	1989	115256
K	223m E	Tanks	1992	108699
H	239m NE	Gasometer	1908	150762
H	239m NE	Gasometer	1922	150762
H	239m NE	Unspecified Tank	1931	126338
H	244m NE	Unspecified Tank	1948	133287
H	244m NE	Gas Holder	1989	129473
H	244m NE	Unspecified Tank	1955	133287
H	244m NE	Unspecified Tank	1958	155668
H	245m NE	Gas Holder	1986	129473
H	245m NE	Gasholder	1992	112414
L	290m SE	Unspecified Tank	1980	139902

ID	Location	Land Use	Date	Group ID
L	290m SE	Unspecified Tank	1979	115266
L	290m SE	Unspecified Tank	1979	137238
L	290m SE	Unspecified Tank	1983	153704
H	292m NE	Unspecified Tank	1908	155838
H	292m NE	Unspecified Tank	1922	155838
H	296m NE	Unspecified Tank	1948	116018
J	298m E	Gas Works	1948	145718
H	308m NE	Overhead Tanks	1948	126091
J	314m E	Gas Works	1891	136888
H	314m NE	Unspecified Tank	1948	116016
O	316m E	Tanks	1931	127102
E	316m W	Unspecified Tank	1891	123116
H	318m NE	Gasometers	1893	143424
H	318m NE	Gasometers	1908	143424
H	318m NE	Gasometers	1922	143424
O	318m E	Tanks	1948	126574
O	318m E	Tanks	1955	126574
H	320m NE	Unspecified Tank	1931	116005
H	320m NE	Unspecified Tank	1948	116017
H	321m NE	Gasometer	1891	114282
H	325m NE	Gas Holder Station	1995	149486
H	325m NE	Gas Holder Station	1994	149486
J	333m E	Overhead Tanks	1948	126092
O	334m E	Unspecified Tank	1908	115260
H	335m NE	Gasometer	1891	114324
J	336m E	Tanks	1931	150781
J	337m E	Tanks	1979	109001
H	337m NE	Tanks	1922	143487

ID	Location	Land Use	Date	Group ID
H	337m NE	Tanks	1931	143487
H	338m NE	Tanks	1908	127359
J	338m E	Tanks	1948	150781
H	338m NE	Tanks	1948	109006
H	339m NE	Tanks	1948	109007
J	342m E	Tanks	1979	154788
J	342m E	Tanks	1955	154788
J	342m E	Tanks	1958	154788
O	343m E	Tank or Trough	1908	112945
H	345m NE	Gas Holder Station	1991	151598
J	348m E	Tanks	1979	109000
O	349m E	Unspecified Tank	1931	115264
J	351m NE	Unspecified Tank	1948	116019
K	353m SE	Unspecified Tank	1979	115267
J	369m E	Gas Works	1948	145718
H	377m NE	Tanks	1992	129135
H	377m NE	Tanks	1989	130835
H	377m NE	Tanks	1986	140629
H	383m NE	Unspecified Tank	1995	140823
H	383m NE	Unspecified Tank	1994	140823
H	383m NE	Unspecified Tank	1991	130349
E	383m W	Unspecified Tank	1891	123115
E	387m W	Unspecified Tank	1891	123114
H	388m NE	Gasometer	1891	114281
J	390m E	Tanks	1948	109002
J	395m E	Unspecified Tank	1891	116015
J	423m NE	Unspecified Tank	1955	143474
J	423m NE	Unspecified Tank	1979	147609

ID	Location	Land Use	Date	Group ID
J	423m NE	Unspecified Tank	1958	143474
J	424m E	Unspecified Tank	1948	116006
J	439m NE	Unspecified Tank	1948	136883
H	447m NE	Gas Works	1949	144247
J	454m NE	Unspecified Tank	1891	134368
AB	454m NE	Gas Works	1949	145718
AB	454m NE	Gas Works	1970	144054
J	462m NE	Tanks	1931	108999
J	464m E	Unspecified Tank	1891	116012
H	467m NE	Gas Works	1970	151080
H	467m NE	Gas Works	1984	134635
H	467m NE	Gas Works	1968	151080
H	467m NE	Gas Works	1952	133566
H	467m NE	Gas Works	1948	144593
J	473m NE	Tanks	1948	109005
J	479m NE	Unspecified Tank	1948	116007
AB	481m NE	Gas Works	1968	144054
J	487m NE	Unspecified Tank	1931	116004
J	488m NE	Tanks	1948	109003
J	491m NE	Tanks	1948	109004
J	491m NE	Unspecified Tank	1948	154092
J	491m NE	Unspecified Tank	1955	154092
J	492m NE	Unspecified Tank	1979	137393
AC	493m NW	Unspecified Tank	1893	115278
AC	494m NW	Unspecified Tank	1908	135207
AC	494m NW	Unspecified Tank	1922	135207
AC	496m NW	Tanks	1908	138010
AC	496m NW	Tanks	1922	138010

This data is sourced from Ordnance Survey® / Groundsure.

2.3 Historical energy features

Records within 500m	102

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 33 >**

ID	Location	Land Use	Date	Group ID
D	92m S	Electricity Substation	1955	66273
F	125m NW	Electricity Substation	1979	73780
F	125m NW	Electricity Substation	1986	73780
F	126m NW	Electricity Substation	1955	73780
F	126m NW	Electricity Substation	1989	79820
F	126m NW	Electricity Substation	1992	85050
J	169m NE	Gas Works	1908	76691
J	169m NE	Gas Works	1922	76691
H	169m NE	Gas Works	1893	91077
H	175m NE	Gas Works	1979	77974
H	179m NE	Gas Holder Station	1992	80685
H	179m NE	Gas Holder Station	1986	84154
H	179m NE	Gas Holder Station	1989	84154
H	201m N	Gasholder	1992	67894
H	201m N	Gas Holder	1986	90051
H	202m N	Gas Holder	1989	90051
H	203m N	Gasometers	1979	68259
H	221m N	Corporation Gas Works	1891	91333
H	239m NE	Gasometer	1908	74269
H	239m NE	Gasometer	1922	74269
H	244m NE	Gas Holder	1989	81089
H	245m NE	Gas Holder	1986	81089
H	245m NE	Gasholder	1992	67893

ID	Location	Land Use	Date	Group ID
N	258m NW	Electricity Substation	1969	72834
N	258m NW	Electricity Substation	1969	72834
N	259m NW	Electricity Substation	1989	80730
N	260m NW	Electricity Substation	1994	69425
H	295m NE	Corporation Gas Works	1891	91333
J	298m E	Gas Works	1948	80506
J	314m E	Gas Works	1891	73835
P	315m S	Electricity Substation	1948	73776
P	316m S	Electricity Substation	1980	69484
P	316m S	Electricity Substation	1987	69484
H	318m NE	Gasometers	1893	70507
H	318m NE	Gasometers	1908	70507
H	318m NE	Gasometers	1922	70507
P	320m S	Electricity Substation	1979	69484
P	320m S	Electricity Substation	1983	69484
P	320m S	Electricity Substation	1986	69484
H	321m NE	Gasometer	1891	68394
P	322m S	Electricity Substation	1993	82484
O	323m E	Electricity Substation	1989	82233
O	324m E	Electricity Substation	1979	87051
O	324m E	Electricity Substation	1986	87051
O	324m E	Electricity Substation	1992	89489
O	324m E	Electricity Substation	1955	87051
H	325m NE	Gas Holder Station	1995	77874
H	325m NE	Gas Holder Station	1994	77874
H	335m NE	Gasometer	1891	68405
K	336m SE	Electricity Substation	1989	77087
K	337m SE	Electricity Substation	1979	77087

ID	Location	Land Use	Date	Group ID
K	337m SE	Electricity Substation	1986	77087
K	337m SE	Electricity Substation	1992	77087
E	342m W	Electricity Substation	1969	75704
E	342m W	Electricity Substation	1951	69125
E	342m W	Electricity Substation	1948	69125
E	342m W	Electricity Substation	1951	69125
E	342m W	Electricity Substation	1948	69125
E	344m W	Electricity Substation	1994	82202
E	344m W	Electricity Substation	1989	72975
H	345m NE	Gas Holder Station	1991	86109
J	369m E	Gas Works	1948	80506
T	371m NW	Electricity Substation	1989	88012
T	376m NW	Electricity Substation	1994	88012
T	383m NW	Electricity Substation	1969	65342
H	388m NE	Gasometer	1891	68393
V	406m N	Electricity Substation	1984	80977
V	406m N	Electricity Substation	1970	80977
V	407m N	Electricity Substation	1968	80977
V	413m N	Electricity Substation	1991	76485
V	414m N	Electricity Substation	1995	76485
V	414m N	Electricity Substation	1994	76485
W	427m N	Electricity Substation	1970	69933
W	428m N	Electricity Substation	1968	69933
W	428m N	Electricity Substation	1984	69933
W	428m N	Electricity Substation	1991	69933
W	428m N	Electricity Substation	1995	69933
W	428m N	Electricity Substation	1994	69933
Y	431m W	Electricity Substation	1989	85583

ID	Location	Land Use	Date	Group ID
Y	431m W	Electricity Substation	1994	81624
Y	432m W	Electricity Substation	1969	79573
Z	442m S	Electricity Substation	1980	86487
Z	442m S	Electricity Substation	1987	72993
AA	442m SW	Electricity Substation	1991	80804
Z	443m S	Electricity Substation	1993	78978
Z	443m S	Electricity Substation	1979	78583
Z	443m S	Electricity Substation	1983	86209
Z	443m S	Electricity Substation	1986	86209
AA	443m SW	Electricity Substation	1990	80804
AA	443m SW	Electricity Substation	1994	80804
AA	443m SW	Electricity Substation	1997	80804
H	447m NE	Gas Works	1949	82665
AB	454m NE	Gas Works	1949	80506
AB	454m NE	Gas Works	1970	79725
AD	461m SW	Electricity Substation	1994	82136
AD	461m SW	Electricity Substation	1997	82136
H	467m NE	Gas Works	1970	78862
H	467m NE	Gas Works	1984	83012
H	467m NE	Gas Works	1968	78862
H	467m NE	Gas Works	1952	78862
H	467m NE	Gas Works	1948	70663
AB	481m NE	Gas Works	1968	79725

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	8

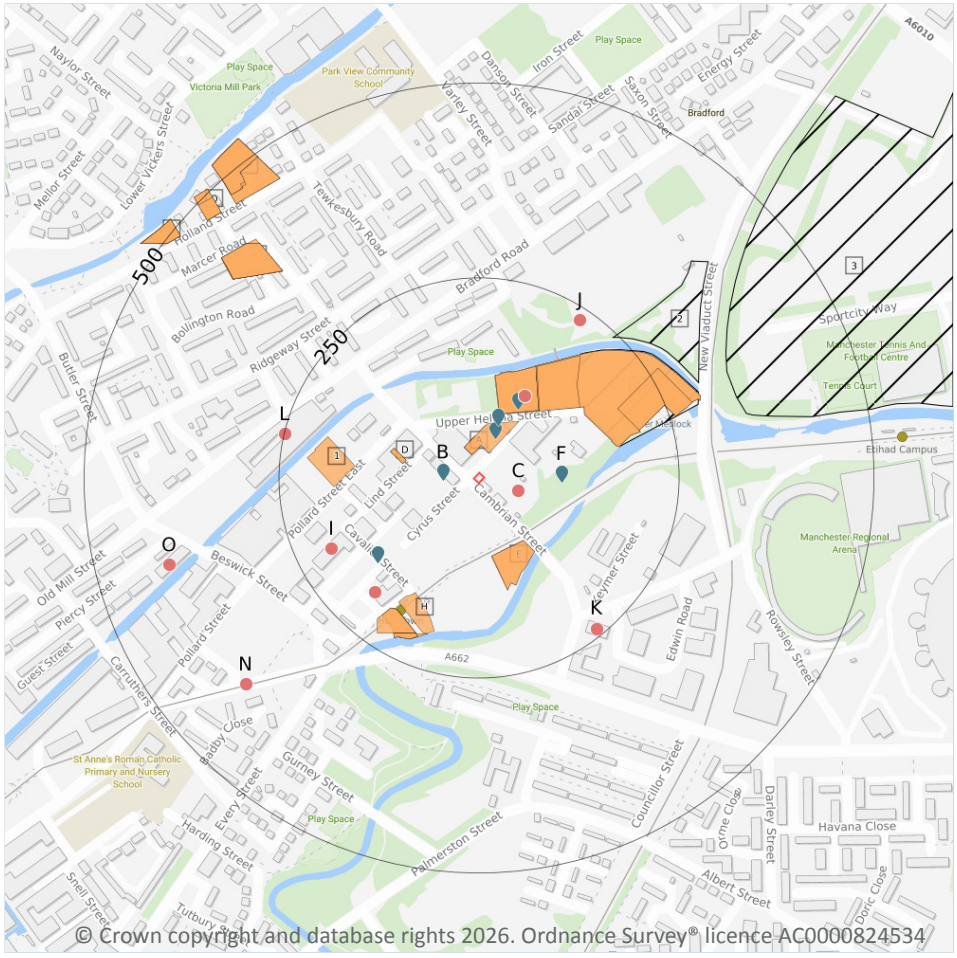
Garages digitised from historical Ordnance Survey® mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on **page 33 >**

ID	Location	Land Use	Date	Group ID
G	163m SW	Garage	1992	27850
G	163m SW	Garage	1986	30806
G	163m SW	Garage	1989	30806
E	320m SW	Garage	1963	23217
E	340m SW	Garage	1965	28845
E	340m SW	Garage	1969	28845
K	394m SE	Garage	1986	25230
X	446m SE	Garage	1983	27933

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	3

Known historical (closed) landfill sites (e.g. sites where there is no PPC permit or waste management licence currently in force). This includes sites that existed before the waste licensing regime and sites that have been licensed in the past but where a licence has been revoked, ceased to exist or surrendered and a certificate of completion has been issued.

Features are displayed on the Waste and landfill map on **page 56 >**

ID	Location	Details		
G	154m NE	Site Address: Bradford Road - Cambrian Street Depot, Greater Manchester Licence Holder Address: -	Waste Licence: Yes Site Reference: F044, RD/LIC/381/84 Waste Type: Inert Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 10/10/1985 Licence Surrender: 09/03/1993	Operator: - Licence Holder: Regional Surveyore (North West Gas) First Recorded 31/12/1985 Last Recorded: 31/12/1990
2	244m NE	Site Address: New Viaduct Street, Greater Manchester Licence Holder Address: -	Waste Licence: - Site Reference: F045 Waste Type: - Environmental Permitting Regulations (Waste) Reference: - Licence Issue: - Licence Surrender: -	Operator: - Licence Holder: - First Recorded - Last Recorded: -
3	339m E	Site Address: Bradford Road Works, Bradeley Hall Road, Haslington, Crewe, Cheshire Licence Holder Address: Welman House, Altrincham, Cheshire	Waste Licence: Yes Site Reference: RD/LIC/180/79, GDO F058, 0381 Waste Type: Inert, Industrial, Special Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 07/12/1979 Licence Surrender: 14/12/1983	Operator: - Licence Holder: North West Gas First Recorded 07/12/1979 Last Recorded: 01/12/1983

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

3.5 Historical waste sites

Records within 500m	37

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 56 >**

ID	Location	Address	Further Details	Date
A	25m NW	Site Address: N/A	Type of Site: Scrap Metal Works Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1955
A	25m N	Site Address: N/A	Type of Site: Scrap Metal Works Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1979
A	79m N	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1986
A	79m N	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1989
A	80m N	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1992
D	90m W	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
D	90m W	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
E	91m SE	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1989
E	91m SE	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1992
G	110m NE	Site Address: N/A	Type of Site: Corporation Refuse Destructor Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1948
G	110m NE	Site Address: N/A	Type of Site: Refuse Destructor Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1955
A	111m NE	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1986
1	153m 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
H	162m SW	Site Address: N/A	Type of Site: Scrap Metal Works Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1955
G	193m NE	Site Address: N/A	Type of Site: Refuse Destructor Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1958
H	193m 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	1986

ID	Location	Address	Further Details	Date
H	193m 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	1989
H	193m SW	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1992
H	204m S	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1993
H	209m 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	1986
H	209m SW	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1987
M	361m NW	Site Address: N/A	Type of Site: Scrap Metal Depot Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1951
M	361m NW	Site Address: N/A	Type of Site: Scrap Metal Depot Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1948
M	361m NW	Site Address: N/A	Type of Site: Scrap Metal Depot Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1951
M	361m NW	Site Address: N/A	Type of Site: Scrap Metal Depot Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1948

ID	Location	Address	Further Details	Date
M	407m NW	Site Address: N/A	Type of Site: Scrap Metal Depot Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1949
P	456m NW	Site Address: N/A	Type of Site: Scrap Metal Depot Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1954
P	456m NW	Site Address: N/A	Type of Site: Scrap Metal Depot Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1952
Q	470m NW	Site Address: N/A	Type of Site: Scrap Metal Depot Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1952
Q	470m NW	Site Address: N/A	Type of Site: Scrap Metal Depot Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1949
Q	470m NW	Site Address: N/A	Type of Site: Scrap Metal Depot Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1954
P	474m NW	Site Address: N/A	Type of Site: Scrap Metal Depot Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1949
P	475m NW	Site Address: N/A	Type of Site: Scrap Metal Depot Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1949
R	488m NW	Site Address: N/A	Type of Site: Scrap Metal Depot Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1954

ID	Location	Address	Further Details	Date
R	488m NW	Site Address: N/A	Type of Site: Scrap Metal Depot Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1949
R	488m NW	Site Address: N/A	Type of Site: Scrap Metal Depot Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1952
R	488m NW	Site Address: N/A	Type of Site: Scrap Metal Depot Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1949

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

3.6 Licensed waste sites

Records within 500m	**11**

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

Features are displayed on the Waste and landfill map on **page 56 >**

ID	Location	Details		
B	41m W	Site Name: Olympia Motor Services Site Address: 1 Union Mill, Cambrian Street, Ancoats, Manchester, Manchester, M40 7EG Correspondence Address: -	Type of Site: Metal Recycling Site (Vehicle Dismantler) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 640242 EPR reference: EA/EPR/VP3594CG Operator: Paul Hurstfield Waste Management licence No: 50405 Annual Tonnage: 1040	Issue Date: 07/06/2005 Effective Date: 07/06/2005 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Expired

ID	Location	Details		
B	41m W	Site Name: Olympia Motor Services Site Address: 1 Union Mill, Cambrian Street, Ancoats, Manchester, Manchester, M40 7EG Correspondence Address: -	Type of Site: ELV Facility Size: Unknown Environmental Permitting Regulations (Waste) Licence Number: 654584 EPR reference: EA/EPR/VP3594CG Operator: Paul Hurstfield Waste Management licence No: 50405 Annual Tonnage: 0	Issue Date: 07/06/2005 Effective Date: 07/06/2005 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Expired
A	58m N	Site Name: Mercedes Used Car Parts Ltd Site Address: 15 Upper Helena Street, Manchester, M40 7EQ Correspondence Address: -	Type of Site: Vehicle storage, depollution and dismantling (auth treatment) facility Size: Unknown Environmental Permitting Regulations (Waste) Licence Number: 758737 EPR reference: EA/EPR/LP3723LB Operator: Mercedes Used Car Parts Ltd Waste Management licence No: 600588 Annual Tonnage: 0	Issue Date: 30/10/2024 Effective Date: 22/10/2024 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
A	75m N	Site Name: Upper Helena Street Site Address: - Correspondence Address: Bradley Hall Farm, Rhodes Green, Middleton, Manchester, M24 4SL	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: WAR001 EPR reference: - Operator: Warrender David Waste Management licence No: 50069 Annual Tonnage: 0	Issue Date: 16/05/2001 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
A	75m N	Site Name: Upper Helena Street Site Address: - Correspondence Address: Bradley Hall Farm, Rhodes Green, Middleton, Manchester, M24 4SL	Type of Site: Household, Commercial & Industrial Waste T Stn Size: Unknown Environmental Permitting Regulations (Waste) Licence Number: WAR001 EPR reference: - Operator: Warrender David Waste Management licence No: 50069 Annual Tonnage: 0	Issue Date: 16/05/2001 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued

ID	Location	Details		
F	99m E	Site Name: P Mc Guiness & Co Ltd Site Address: Holt Town Ind Est, Holt Town, Manchester, M40 7FQ Correspondence Address: -	Type of Site: Special Waste Transfer Station Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: MPC001 EPR reference: EA/EPR/JP3892CY/S002 Operator: Mc Guinness & Co Ltd Waste Management licence No: 53629 Annual Tonnage: 50000	Issue Date: 03/11/1995 Effective Date: - Modified: - Surrendered Date: Jun 26 2002 12:00AM Expiry Date: - Cancelled Date: - Status: Surrendered
F	99m E	Site Name: P Mc Guiness & Co Ltd Site Address: Holt Town Ind Est, Holt Town, Manchester, Manchester, M40 7FQ Correspondence Address: -	Type of Site: Special Waste Transfer Station Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 668348 EPR reference: EA/EPR/JP3892CY Operator: P. Mcguinness And Company Limited Waste Management licence No: 53629 Annual Tonnage: 50000	Issue Date: 03/11/1995 Effective Date: 03/11/1995 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Surrendered
A	104m NE	Site Name: D Race & Sons Site Address: Upper Helena Street, Manchester, Manchester, M40 7EQ Correspondence Address: -	Type of Site: Metal Recycling Site (mixed MRS's) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 669485 EPR reference: EA/EPR/MP3992CS Operator: Dennis Race Waste Management licence No: 53429 Annual Tonnage: 5000	Issue Date: 18/11/1999 Effective Date: 18/11/1999 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Surrendered
H	158m SW	Site Name: Lumns Lane, Clifton Junction, Swinton Site Address: Upper Helena Street, Manchester, Manchester, M40 7EQ Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 633006 EPR reference: EA/EPR/VP3098CU Operator: Murray Mills Conservation Limited Waste Management licence No: 50069 Annual Tonnage: 24999	Issue Date: 16/05/2001 Effective Date: 16/05/2001 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Expired

ID	Location	Details		
H	158m SW	Site Name: Lumns Lane, Clifton Junction, Swinton Site Address: Upper Helena Street, Manchester, Manchester, M40 7EQ Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 633006 EPR reference: EA/EPR/VP3098CU Operator: Murray Mills Conservation Limited Waste Management licence No: 50069 Annual Tonnage: 24999	Issue Date: 16/05/2001 Effective Date: 16/05/2001 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Expired
H	158m SW	Site Name: Lumns Lane, Clifton Junction, Swinton Site Address: Upper Helena Street, Manchester, Manchester, M40 7EQ Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: Unknown Environmental Permitting Regulations (Waste) Licence Number: 647390 EPR reference: EA/EPR/VP3098CU Operator: Murray Mills Conservation Limited Waste Management licence No: 50069 Annual Tonnage: 0	Issue Date: 16/05/2001 Effective Date: 16/05/2001 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Expired

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

3.7 Waste exemptions

Records within 500m **43**

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 56 >**

ID	Location	Site	Reference	Category	Sub-Category	Description
C	47m E	Yard 1a Hilton Ind Estate Cambrian Street Manchester England M40 7eg	EPR/QF0433JP/A001	Treating waste exemption	Non-agricultural waste only	Recovery of scrap metal

ID	Location	Site	Reference	Category	Sub-Category	Description
C	47m E	Yard 1a Hilton Ind Estate Cambrian Street Manchester England M40 7eg	EPR/QF0433JP/A001	Using waste exemption	Non-agricultural waste only	Use of depolluted end-of-life vehicles for vehicle parts
C	47m E	Yard 1a Hilton Ind Estate Cambrian Street Manchester England M40 7eg	EPR/QF0433JP/A001	Storing waste exemption	Non-agricultural waste only	Storage of waste in secure containers
C	47m E	Yard 1a Hilton Ind Estate Cambrian Street Manchester England M40 7eg	EPR/QF0433JP/A001	Storing waste exemption	Non-agricultural waste only	Storage of waste in a secure place
A	114m NE	5f Upper Helena Street Manchester M40 7eq	EPR/KF0202MC/A001	Using waste exemption	Non-agricultural waste only	Use of waste in construction
A	114m NE	5f Upper Helena Street Manchester M40 7eq	EPR/KF0202MC/A001	Storing waste exemption	Non-agricultural waste only	Storage of waste in secure containers
A	114m NE	5f Upper Helena Street Manchester M40 7eq	EPR/KF0202MC/A001	Treating waste exemption	Non-agricultural waste only	Cleaning, washing, spraying or coating relevant waste
A	114m NE	5f Upper Helena Street Manchester M40 7eq	EPR/KF0202MC/A001	Treating waste exemption	Non-agricultural waste only	Preparatory treatments (baling, sorting, shredding etc)
A	114m NE	5f Upper Helena Street Manchester M40 7eq	EPR/KF0202MC/A001	Treating waste exemption	Non-agricultural waste only	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
A	114m NE	5f Upper Helena Street Manchester M40 7eq	EPR/KF0202MC/A001	Treating waste exemption	Non-agricultural waste only	Mechanical treatment of end-of-life tyres
A	114m NE	5f Upper Helena Street Manchester M40 7eq	EPR/KF0202MC/A001	Using waste exemption	Non-agricultural waste only	Use of baled end-of-life tyres in construction

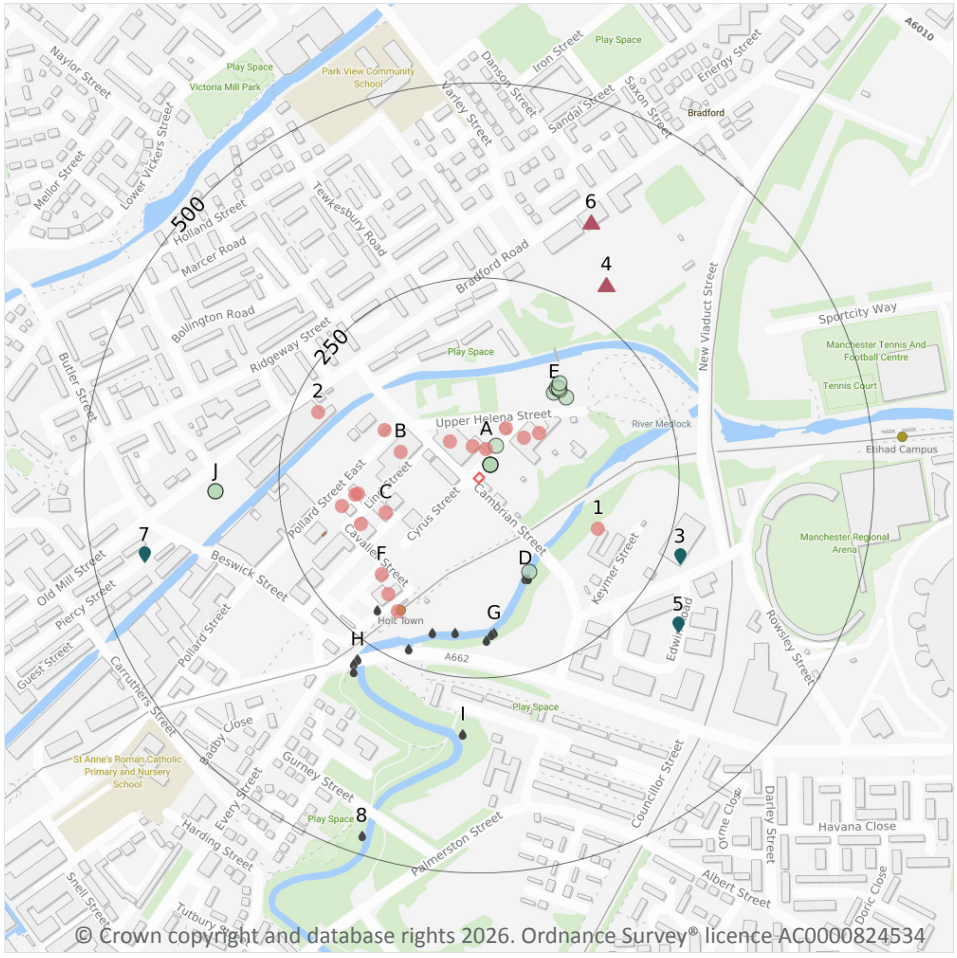
ID	Location	Site	Reference	Category	Sub-Category	Description
A	114m NE	5f Upper Helena Street Manchester M40 7eq	EPR/KF0202MC/A001	Treating waste exemption	Non-agricultural waste only	Sorting mixed waste
A	114m NE	5f Upper Helena Street Manchester M40 7eq	EPR/KF0202MC/A001	Treating waste exemption	Non-agricultural waste only	Manual treatment of waste
A	114m NE	5f Upper Helena Street Manchester M40 7eq	EPR/KF0202MC/A001	Treating waste exemption	Non-agricultural waste only	Screening and blending of waste
A	114m NE	5f Upper Helena Street Manchester M40 7eq	EPR/KF0202MC/A001	Treating waste exemption	Non-agricultural waste only	Recovery of scrap metal
H	194m SW	Manchester Joinery And Interiors Limited, Branson Street, Manchester, M40 7fj	WEX340130	Disposing of waste exemption	Not on a farm	Disposal by incineration
H	194m SW	Fire Doors Manchester Limited, Branson Street, Manchester, M40 7fj	WEX340131	Disposing of waste exemption	Not on a farm	Disposal by incineration
H	194m SW	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
H	194m SW	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
H	194m SW	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
H	194m SW	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
I	204m SW	Manchester Joinery And Interiors Limited, Branson Street, Manchester, M40 7fj	WEX212482	Disposing of waste exemption	Not on a farm	Disposal by incineration

ID	Location	Site	Reference	Category	Sub-Category	Description
I	204m SW	Fire Doors Manchester Limited, Branson Street, Manchester, M40 7fj	WEX212646	Disposing of waste exemption	Not on a farm	Disposal by incineration
I	204m SW	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
I	204m SW	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
I	204m SW	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
I	204m SW	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
J	234m NE	-	WEX381900	Treating waste exemption	Not on a farm	Screening and blending of waste
J	234m NE	-	WEX366256	Using waste exemption	Not on a farm	Use of waste in construction
K	240m SE	30 Philips Park Road Manchester M11 3fx	EPR/RE5746ZT/A001	Treating waste exemption	Non-agricultural waste only	Aerobic composting and associated prior treatment
K	241m SE	30, Philips Park Road, Manchester, M11 3fx	WEX243791	Treating waste exemption	Not on a farm	Aerobic composting and associated prior treatment
K	241m SE	30, Philips Park Road, Manchester, M11 3fx	WEX137238	Treating waste exemption	Not on a farm	Aerobic composting and associated prior treatment
K	241m SE	30, Philips Park Road, Manchester, M11 3fx	WEX278736	Treating waste exemption	Not on a farm	Aerobic composting and associated prior treatment
L	250m W	Brunswick Mill, Old Mill Yard, Manchester, M407ez	WEX168923	Treating waste exemption	Not on a farm	Screening and blending of waste
L	250m W	Brunswick Mill, Old Mill Yard, Manchester, M407ez	WEX168923	Treating waste exemption	Not on a farm	Sorting mixed waste
L	250m W	Brunswick Mill, Old Mill Yard, Manchester, M407ez	WEX168923	Using waste exemption	Not on a farm	Use of mulch
L	250m W	Brunswick Mill, Old Mill Yard, Manchester, M407ez	WEX168923	Storing waste exemption	Not on a farm	Storage of waste in a secure place

ID	Location	Site	Reference	Category	Sub-Category	Description
L	250m W	Brunswick Mill, Old Mill Yard, Manchester, M407ez	WEX168923	Using waste exemption	Not on a farm	Use of waste in construction
N	395m SW	-	WEX430070	Treating waste exemption	Not on a farm	Screening and blending of waste
N	395m SW	-	WEX166443	Treating waste exemption	Not on a farm	Screening and blending of waste
N	395m SW	-	WEX300251	Treating waste exemption	Not on a farm	Screening and blending of waste
O	407m W	Urban Splash Site Off, Piercy Street, Manchester, M4 7hy	WEX186803	Using waste exemption	Not on a farm	Use of waste in construction
O	407m W	Urban Splash Site Off, Piercy Street, Manchester, M4 7hy	WEX186803	Treating waste exemption	Not on a farm	Screening and blending of waste

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

4 Current industrial land use



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Site Outline

Search buffers in metres (m)

Recent industrial land uses

NGD current or recent tanks

Hazardous substance storage/usage

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

Licensed Discharges to controlled waters

Pollution Incidents (EA/NRW)

4.1 Recent industrial land uses

Records within 250m	18

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on **page 70 >**

ID	Location	Company	Address	Activity	Category
A	32m N	Kebron Autos	9a, Upper Cyrus Street, Manchester, Greater Manchester, M40 7EG	Vehicle Repair, Testing and Servicing	Repair and Servicing
A	35m N	Works	Greater Manchester, M40	Unspecified Works Or Factories	Industrial Features
A	55m NW	Factory	Greater Manchester, M40	Unspecified Works Or Factories	Industrial Features

ID	Location	Company	Address	Activity	Category
A	67m NE	Mercedes Parts	15, Upper Helena Street, Manchester, Greater Manchester, M40 7EG	Scrap Metal Merchants	Recycling Services
A	71m NE	Tess Y Garage	Unit 2 Britannia Mill, Upper Cyrus Street, Manchester, Greater Manchester, M40 7FD	Vehicle Repair, Testing and Servicing	Repair and Servicing
A	91m NE	Works	Greater Manchester, M40	Unspecified Works Or Factories	Industrial Features
B	100m W	Factory	Greater Manchester, M40	Unspecified Works Or Factories	Industrial Features
C	121m W	Factory	Greater Manchester, M40	Unspecified Works Or Factories	Industrial Features
B	130m NW	Electricity Sub Station	Greater Manchester, M40	Electrical Features	Infrastructure and Facilities
C	150m W	A Maffei & Sons	Workshop Junction Lind Street, Pollard Street East, Manchester, Greater Manchester, M40 7FS	Tool Repairs	Repair and Servicing
C	154m W	Works	Greater Manchester, M40	Unspecified Works Or Factories	Industrial Features
C	156m W	Factory	Greater Manchester, M40	Unspecified Works Or Factories	Industrial Features
1	160m SE	Mast (Telecommunication)	Greater Manchester, M11	Telecommunications Features	Infrastructure and Facilities
F	171m SW	V J Tilbrook & Sons	Clyde Street Works, Cyrus Street, Manchester, Greater Manchester, M40 7FE	Vehicle Repair, Testing and Servicing	Repair and Servicing
C	173m W	Works	Greater Manchester, M40	Unspecified Works Or Factories	Industrial Features
F	183m SW	Works	Greater Manchester, M40	Unspecified Works Or Factories	Industrial Features
F	195m SW	Holt Town (Manchester Metrolink)	Greater Manchester, M40	Tram, Metro and Light Railway Stations and Stops	Public Transport, Stations and Infrastructure
2	218m NW	Northwest Autocare	12a, Bradford Road, Manchester, Greater Manchester, M40 7EZ	Vehicle Repair, Testing and Servicing	Repair and Servicing

This data is sourced from Ordnance Survey®.

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

Records within 250m	1

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

Features are displayed on the Current industrial land use map on **page 70 >**

ID	Location	Tank description	Activity	Date first identified
C	201m W	Roofed Storage Tank	Commercial Activity: Distribution Or Storage	06/08/2014

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 Electricity cables

Records within 500m	0

High voltage underground electricity transmission cables.

This data is sourced from National Grid.

4.5 Gas pipelines

Records within 500m	0

High pressure underground gas transmission pipelines.

This data is sourced from National Grid.

4.6 Sites determined as Contaminated Land

Records within 500m	0

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

This data is sourced from Local Authority records.

4.7 Control of Major Accident Hazards (COMAH)

Records within 500m	0

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

This data is sourced from the Health and Safety Executive.

4.8 Regulated explosive sites

Records within 500m	0

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

This data is sourced from the Health and Safety Executive.

4.9 Hazardous substance storage/usage

Records within 500m	2

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

Features are displayed on the Current industrial land use map on **page 70 >**

ID	Location	Details	
4	291m NE	Application reference number: 059225/HSC/NORTH2/00 Application status: Historical Consent Application date: 11/05/2000 Address: Land At Gleden Street, Bradford, WF17 6HY	Details: Continuation Of Hazardous Substances Consent For Storage Of Gas Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
6	352m NE	Application reference number: No Details Application status: Historical Consent Application date: No Details Address: National Grid Gas PLC, Bradford Road Holder Station (West), Bradford Road, Miles Platting, Manchester, Greater Manchester, England, M40 7AS	Details: No Details Enforcement: No Details Date of enforcement: No Details Comment: No Details

This data is sourced from Local Authority records.

4.10 Historical licensed industrial activities (IPC)

Records within 500m	0

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

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

4.11 Licensed industrial activities (Part A(1))

Records within 500m	0

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

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

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

Records within 500m	3

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 70 >**

ID	Location	Address	Details	
3	271m E	J And F Brooks Ltd, Philips Park Road, Beswick, M11 3EJ	Process: Timber Manufacture Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
5	312m SE	West & Musgrave, Edwin Rd, M11 3ER	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
7	434m W	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

This data is sourced from Local Authority records.

4.13 Radioactive Substance Authorisations

Records within 500m	0

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

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

4.14 Licensed Discharges to controlled waters

Records within 500m	20

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 70 >**

ID	Location	Address	Details	
D	136m SE	MILL STREET BRADFORD MANCHESTER CSO, GIBBON STREET ALAN TURING WAY, BRADFORD, MANCHESTER, GREATER MANCHESTER, M11 3FF	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0320 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: 01/01/1995
D	136m SE	MILL STREET BRADFORD MANCHESTER CSO, GIBBON STREET ALAN TURING WAY, BRADFORD, MANCHESTER, GREATER MANCHESTER, M11 3FF	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 016982733 Permit Version: 1 Receiving Water: RIVER MEDLOCK	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: - Effective Date: 30/09/1994 Revocation Date: 03/12/2019
D	138m SE	MILL STREET BRADFORD MANCHESTER CSO, GIBBON STREET ALAN TURING WAY, BRADFORD, MANCHESTER, GREATER MANCHESTER, M11 3FF	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 016982733 Permit Version: 2 Receiving Water: RIVER MEDLOCK VIA SWS	Status: VARIED UNDER EPR 2010 Issue date: 04/12/2019 Effective Date: 04/12/2019 Revocation Date: -
G	193m S	HILLKIRK STREET CSO (282I9), 20 HILKIRK STREET, BRADFORD, MANCHESTER, GREATER MANCHESTER, M11 3EZ	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 016982726 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: 19/10/2020
G	195m S	ROADWAY SWO, REAR BUILDING UNIT 1, HOLT TOWN, ANCOATS, GREATER MANCHESTER	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: 016991184 Permit Version: 1 Receiving Water: RIVER MEDLOCK	Status: REVOKED - UNSPECIFIED Issue date: - Effective Date: 01/11/1994 Revocation Date: 01/11/1994

ID	Location	Address	Details	
G	195m S	HILLKIRK STREET CSO (282I9), 20 HILKIRK STREET, BRADFORD, MANCHESTER, GREATER MANCHESTER, M11 3EZ	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 016982726 Permit Version: 3 Receiving Water: RIVER MEDLOCK	Status: VARIED UNDER EPR 2010 Issue date: 20/10/2020 Effective Date: 20/10/2020 Revocation Date: -
G	202m S	AGAR ST, HOLT TOWN, MANCHESTER, GREATER MANCHESTER	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0258 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: -
G	203m S	PHILIP PARK RD, RUSHOLM, MANCHESTER, GREATER MANCHESTER	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0298 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
F	208m SW	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
G	231m SW	ASHTON NEW RD(M SEWER), MANCHESTER, GREATER MANCHESTER	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0195 Permit Version: 1 Receiving Water: RIVER MEDLOCK	Status: REVOKED - UNSPECIFIED Issue date: - Effective Date: 01/01/1995 Revocation Date: 18/07/1995
H	275m SW	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
H	275m SW	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

ID	Location	Address	Details	
H	275m SW	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: -
H	275m SW	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: -
H	283m SW	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
H	291m SW	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
H	291m SW	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	323m S	ASHFORD ST/BREWIN ST, MANCHESTER, GREATER MANCHESTER	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0006 Permit Version: 1 Receiving Water: -	Status: REVOKED - UNSPECIFIED Issue date: - Effective Date: 01/04/1991 Revocation Date: 31/12/1994
I	323m S	ASHFORD ST/BREWIN ST, MANCHESTER, GREATER MANCHESTER	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0006 Permit Version: 2 Receiving Water: UNKNOWN	Status: REVOKED (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: - Effective Date: 01/01/1995 Revocation Date: 31/08/1999

ID	Location	Address	Details	
8	477m S	RUSSELL ST/ EAST OF RAGLA, MANCHESTER, GREATER MANCHESTER	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01MAN0262 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: 10/05/2017

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

4.15 Pollutant release to surface waters (Red List)

Records within 500m	**0**

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

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

4.16 Pollutant release to public sewer

Records within 500m	**0**

Discharges of Special Category Effluents to the public sewer.

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

4.17 List 1 Dangerous Substances

Records within 500m	**0**

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

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

4.18 List 2 Dangerous Substances

Records within 500m	**0**

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

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

4.19 Pollution Incidents (EA/NRW)

Records within 500m	14

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 70 >**

ID	Location	Details	
A	17m NE	Incident Date: 02/04/2002 Incident Identification: 68166 Pollutant: Specific Waste Materials:Specific Waste Materials:Specific Waste Materials Pollutant Description: Household Waste:Tyres:Vehicles and Vehicle Parts	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
A	17m NE	Incident Date: 02/04/2002 Incident Identification: 68166 Pollutant: Specific Waste Materials Pollutant Description: Household Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
A	17m NE	Incident Date: 02/04/2002 Incident Identification: 68166 Pollutant: Specific Waste Materials Pollutant Description: Tyres	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
A	17m NE	Incident Date: 02/04/2002 Incident Identification: 68166 Pollutant: Specific Waste Materials Pollutant Description: Vehicles and Vehicle Parts	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
A	41m NE	Incident Date: 13/12/2002 Incident Identification: 125940 Pollutant: Specific Waste Materials Pollutant Description: Tyres	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
D	131m SE	Incident Date: 29/07/2002 Incident Identification: 95435 Pollutant: Pollutant Not Identified Pollutant Description: Not Identified	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
E	141m NE	Incident Date: 04/07/2001 Incident Identification: 13774 Pollutant: General Biodegradable Materials and Wastes Pollutant Description: Other General Biodegradable Material or Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
E	147m NE	Incident Date: 18/07/2001 Incident Identification: 17447 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Smoke	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)

ID	Location	Details	
E	147m NE	Incident Date: 28/06/2001 Incident Identification: 12020 Pollutant: Specific Waste Materials Pollutant Description: Commercial Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
E	148m NE	Incident Date: 27/06/2001 Incident Identification: 11933 Pollutant: Specific Waste Materials Pollutant Description: Commercial Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
E	149m NE	Incident Date: 25/06/2001 Incident Identification: 11433 Pollutant: Specific Waste Materials Pollutant Description: Commercial Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
E	154m NE	Incident Date: 03/08/2001 Incident Identification: 21821 Pollutant: General Biodegradable Materials and Wastes Pollutant Description: Other General Biodegradable Material or Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
J	332m W	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)
J	332m W	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)

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

4.20 Pollution inventory substances

Records within 500m	**0**

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

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

4.21 Pollution inventory waste transfers

Records within 500m	0

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

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

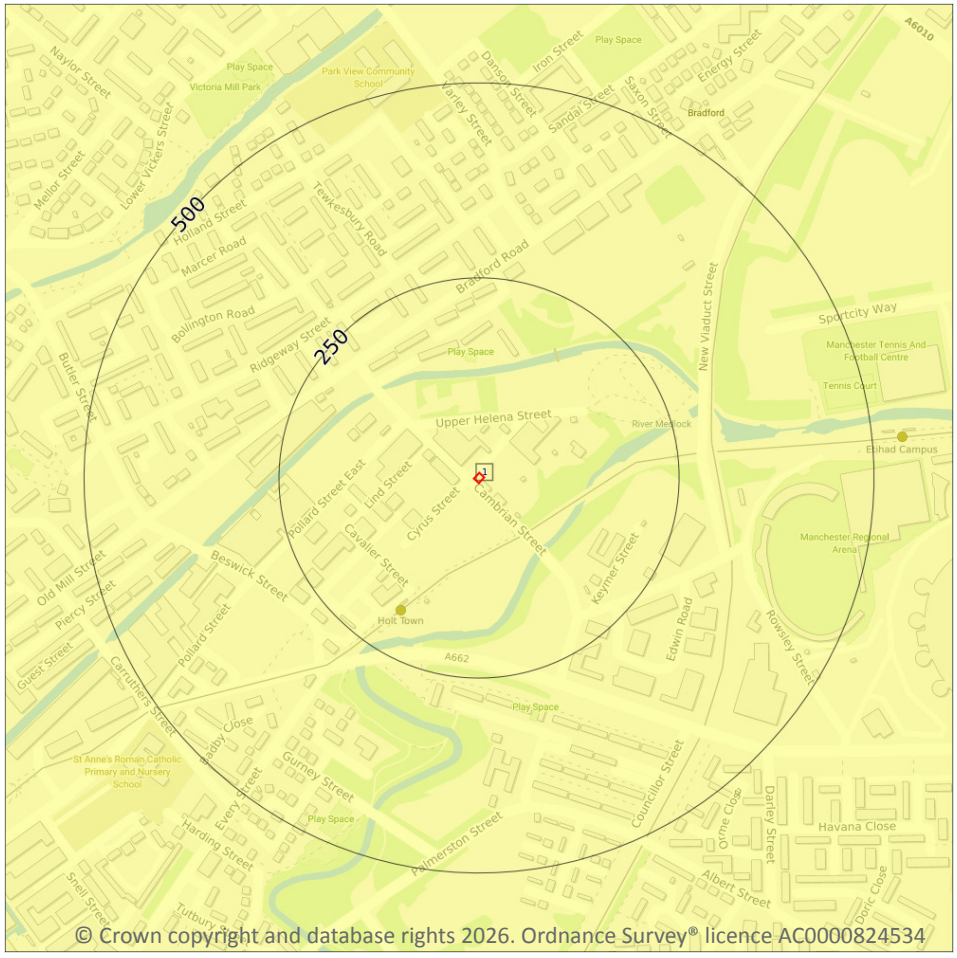
4.22 Pollution inventory radioactive waste

Records within 500m	0

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

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

5 Hydrogeology - Superficial aquifer



Site Outline

Search buffers in metres (m)

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

5.1 Superficial aquifer

Records within 500m	1

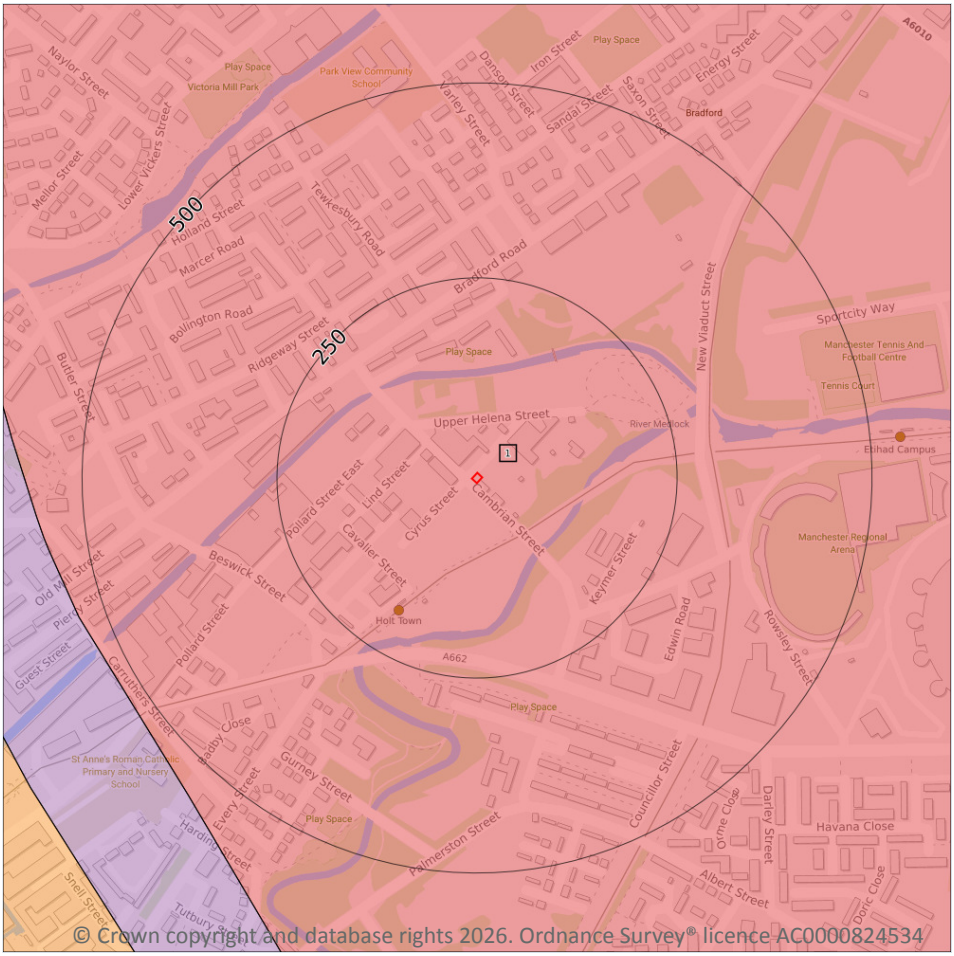
Aquifer status of groundwater held within superficial geology.

Features are displayed on the Hydrogeology map on **page 82 >**

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

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

Bedrock aquifer



Site Outline

Search buffers in metres (m)

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

5.2 Bedrock aquifer

Records within 500m	1

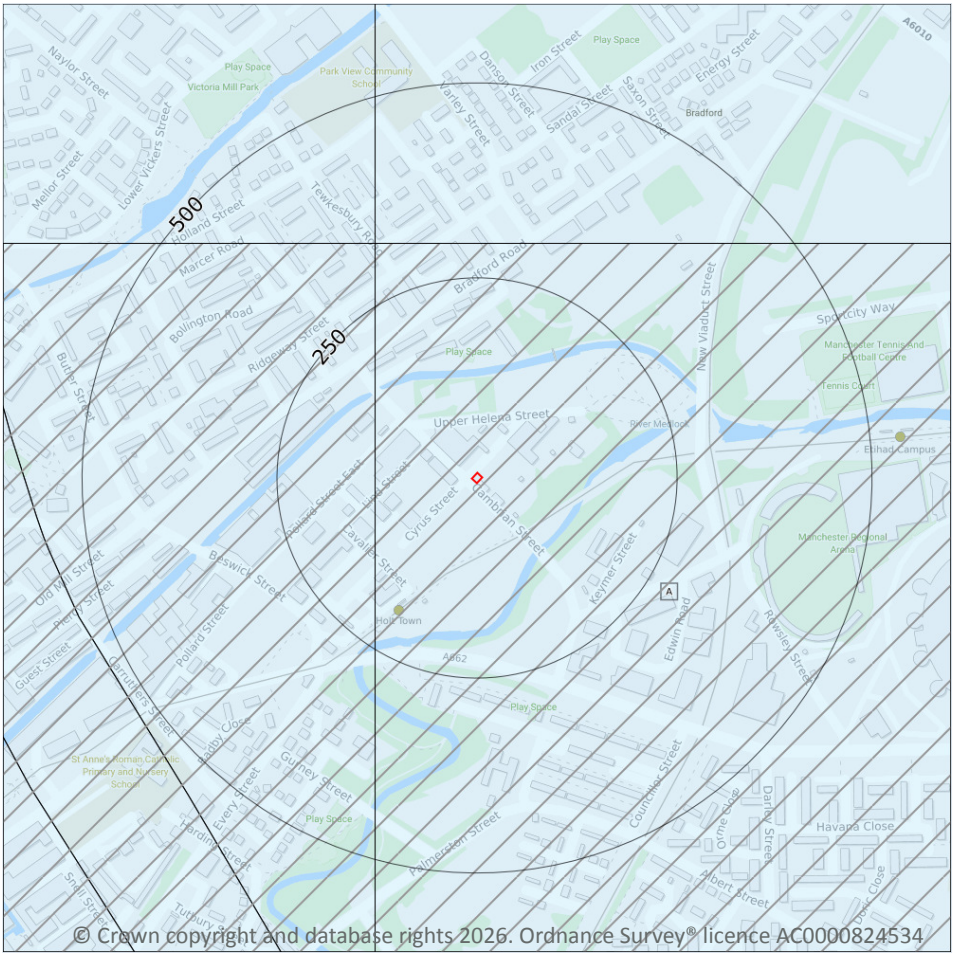
Aquifer status of groundwater held within bedrock geology.

Features are displayed on the Bedrock aquifer map on **page 83 >**

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

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

Groundwater vulnerability



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5.3 Groundwater vulnerability

Records within 50m	1

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

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

Features are displayed on the Groundwater vulnerability map on **page 84 >**

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

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
A	**Significant soluble rocks are likely to be present. Problems unlikely except with considerable surface or subsurface water flow.**	**1.0%**

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



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	30

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 86 >**

ID	Location	Details	
-	1162m N	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: -
-	1162m N	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: -
-	1457m SW	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: -
-	1457m SW	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: -

ID	Location	Details	
-	1674m E	Status: Historical Licence No: 2569006026 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Ground Water - North West Region Point: "BOREHOLE AT PREMISES, CLAYTON, MANCHESTER" Data Type: Point Name: CIBA SPECIALTY CHEMICALS PLC Easting: 387700 Northing: 398100	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 24/03/1966 Expiry Date: - Issue No: 101 Version Start Date: 25/07/2000 Version End Date: -
-	1674m E	Status: Historical Licence No: 2569006026 Details: Process water Direct Source: Ground Water - North West Region Point: "BOREHOLE AT PREMISES, CLAYTON, MANCHESTER" Data Type: Point Name: CIBA SPECIALTY CHEMICALS PLC Easting: 387700 Northing: 398100	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 24/03/1966 Expiry Date: - Issue No: 101 Version Start Date: 25/07/2000 Version End Date: -
-	1674m E	Status: Historical Licence No: 2569006026 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Ground Water - North West Region Point: BOREHOLE AT PREMISES, CLAYTON, MANCHESTER Data Type: Point Name: CIBA SPECIALTY CHEMICALS PLC Easting: 387700 Northing: 398100	Annual Volume (m^3): 633962 Max Daily Volume (m^3): 2837 Original Application No: - Original Start Date: 24/03/1966 Expiry Date: - Issue No: 101 Version Start Date: 25/07/2000 Version End Date: -
-	1674m E	Status: Historical Licence No: 2569006026 Details: Process water Direct Source: Ground Water - North West Region Point: BOREHOLE AT PREMISES, CLAYTON, MANCHESTER Data Type: Point Name: CIBA SPECIALTY CHEMICALS PLC Easting: 387700 Northing: 398100	Annual Volume (m^3): 633962 Max Daily Volume (m^3): 2837 Original Application No: - Original Start Date: 24/03/1966 Expiry Date: - Issue No: 101 Version Start Date: 25/07/2000 Version End Date: -

ID	Location	Details	
-	1682m SE	Status: Historical Licence No: NW/069/0006/005/R01 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: BOREHOLE AT OPENSHAW, WEST ASHTON Data Type: Point Name: MANCHESTER CITY FOOTBALL CLUB LIMITED Easting: 387681 Northing: 398032	Annual Volume (m^3): 221650 Max Daily Volume (m^3): 1000 Original Application No: NPS/WR/024168 Original Start Date: 01/04/2018 Expiry Date: 31/03/2024 Issue No: 1 Version Start Date: 01/04/2018 Version End Date: -
-	1682m SE	Status: Historical Licence No: NW/069/0006/005/R01 Details: Spray Irrigation - Direct Direct Source: Ground Water - North West Region Point: BOREHOLE AT OPENSHAW, WEST ASHTON Data Type: Point Name: MANCHESTER CITY FOOTBALL CLUB LIMITED Easting: 387681 Northing: 398032	Annual Volume (m^3): 221650 Max Daily Volume (m^3): 1000 Original Application No: NPS/WR/024168 Original Start Date: 01/04/2018 Expiry Date: 31/03/2024 Issue No: 1 Version Start Date: 01/04/2018 Version End Date: -
-	1682m SE	Status: Historical Licence No: NW/069/0006/005 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: BOREHOLE AT OPENSHAW, WEST ASHTON Data Type: Point Name: MANCHESTER CITY FOOTBALL CLUB LIMITED Easting: 387681 Northing: 398032	Annual Volume (m^3): 266113 Max Daily Volume (m^3): 1000 Original Application No: - Original Start Date: 14/11/2012 Expiry Date: 31/03/2018 Issue No: 1 Version Start Date: 14/11/2012 Version End Date: -
-	1682m SE	Status: Historical Licence No: NW/069/0006/005 Details: Horticultural Watering Direct Source: Ground Water - North West Region Point: BOREHOLE AT OPENSHAW, WEST ASHTON Data Type: Point Name: MANCHESTER CITY FOOTBALL CLUB LIMITED Easting: 387681 Northing: 398032	Annual Volume (m^3): 266113 Max Daily Volume (m^3): 1000 Original Application No: - Original Start Date: 14/11/2012 Expiry Date: 31/03/2018 Issue No: 1 Version Start Date: 14/11/2012 Version End Date: -
-	1682m SE	Status: Historical Licence No: NW/069/0006/005 Details: Spray Irrigation - Direct Direct Source: Ground Water - North West Region Point: BOREHOLE AT OPENSHAW, WEST ASHTON Data Type: Point Name: MANCHESTER CITY FOOTBALL CLUB LIMITED Easting: 387681 Northing: 398032	Annual Volume (m^3): 266113 Max Daily Volume (m^3): 1000 Original Application No: - Original Start Date: 14/11/2012 Expiry Date: 31/03/2018 Issue No: 1 Version Start Date: 14/11/2012 Version End Date: -

ID	Location	Details	
-	1752m E	Status: Active Licence No: 2569006037 Details: Non-Evaporative Cooling Direct Source: Ground Water - North West Region Point: BOREHOLE 2 ON PREMISES AT CROFT STREET, CLAYTON, MANCHESTER Data Type: Point Name: Evonik Chemicals Ltd Easting: 387859 Northing: 398375	Annual Volume (m^3): 111831.6 Max Daily Volume (m^3): 654.62 Original Application No: NPS/WR/035267 Original Start Date: 21/05/1985 Expiry Date: - Issue No: 104 Version Start Date: 19/04/2021 Version End Date: -
-	1752m E	Status: Active Licence No: 2569006037 Details: Non-Evaporative Cooling Direct Source: Ground Water - North West Region Point: BOREHOLE 1 ON PREMISES AT CROFT STREET, CLAYTON, MANCHESTER Data Type: Point Name: Evonik Chemicals Ltd Easting: 387860 Northing: 398379	Annual Volume (m^3): 111831.6 Max Daily Volume (m^3): 654.62 Original Application No: NPS/WR/035267 Original Start Date: 21/05/1985 Expiry Date: - Issue No: 104 Version Start Date: 19/04/2021 Version End Date: -
-	1788m E	Status: Historical Licence No: 2569006037 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Ground Water - North West Region Point: "BOREHOLES (2) ON PREMISES AT CROFT ST, CLAYTON, MANCHESTER" Data Type: Point Name: AIR PRODUCTS CHEMICALS LTD Easting: 387900 Northing: 398400	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 21/05/1985 Expiry Date: - Issue No: 100 Version Start Date: 01/07/1996 Version End Date: -
-	1788m E	Status: Historical Licence No: 2569006037 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Ground Water - North West Region Point: BOREHOLES (2) ON PREMISES AT CROFT ST, CLAYTON, MANCHESTER Data Type: Point Name: AIR PRODUCTS CHEMICALS LTD Easting: 387900 Northing: 398400	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 21/05/1985 Expiry Date: - Issue No: 100 Version Start Date: 01/07/1996 Version End Date: -

ID	Location	Details	
-	1788m E	Status: Historical Licence No: 2569006037 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Ground Water - North West Region Point: BOREHOLES X 2 ON PREMISES AT CROFT STREET CLAYTON MANCHESTER Data Type: Point Name: AIR PRODUCTS CHEMICALS LTD Easting: 387900 Northing: 398400	Annual Volume (m^3): 111832 Max Daily Volume (m^3): 654.624 Original Application No: - Original Start Date: 21/05/1985 Expiry Date: - Issue No: 100 Version Start Date: 01/07/1996 Version End Date: -
-	1795m NW	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: -
-	1795m NW	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: -
-	1929m E	Status: Historical Licence No: 2569006036 Details: Process water Direct Source: Ground Water - North West Region Point: "BOREHOLE ON PREMISES AT CLAYTON, MANCHESTER" Data Type: Point Name: AIR PRODUCTS CHEMICALS LTD Easting: 388000 Northing: 398200	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 21/05/1985 Expiry Date: - Issue No: 100 Version Start Date: 01/07/1996 Version End Date: -

ID	Location	Details	
-	1929m E	Status: Historical Licence No: 2569006036 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Ground Water - North West Region Point: "BOREHOLE ON PREMISES AT CLAYTON, MANCHESTER" Data Type: Point Name: AIR PRODUCTS CHEMICALS LTD Easting: 388000 Northing: 398200	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 21/05/1985 Expiry Date: - Issue No: 100 Version Start Date: 01/07/1996 Version End Date: -
-	1929m E	Status: Historical Licence No: 2569006036 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Ground Water - North West Region Point: BOREHOLE ON PREMISES AT CLAYTON, MANCHESTER Data Type: Point Name: AIR PRODUCTS CHEMICALS LTD Easting: 388000 Northing: 398200	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 21/05/1985 Expiry Date: - Issue No: 100 Version Start Date: 01/07/1996 Version End Date: -
-	1929m E	Status: Historical Licence No: 2569006036 Details: Process water Direct Source: Ground Water - North West Region Point: BOREHOLE ON PREMISES AT CLAYTON, MANCHESTER Data Type: Point Name: AIR PRODUCTS CHEMICALS LTD Easting: 388000 Northing: 398200	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 21/05/1985 Expiry Date: - Issue No: 100 Version Start Date: 01/07/1996 Version End Date: -
-	1929m E	Status: Historical Licence No: 2569006036 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Ground Water - North West Region Point: BOREHOLE ON PREMISES AT CLAYTON MANCHESTER Data Type: Point Name: AIR PRODUCTS CHEMICALS LTD Easting: 388000 Northing: 398200	Annual Volume (m^3): 372772 Max Daily Volume (m^3): 3600.5 Original Application No: - Original Start Date: 21/05/1985 Expiry Date: - Issue No: 100 Version Start Date: 01/07/1996 Version End Date: -

ID	Location	Details	
-	1929m E	Status: Historical Licence No: 2569006036 Details: Process Water Direct Source: Ground Water - North West Region Point: BOREHOLE ON PREMISES AT CLAYTON MANCHESTER Data Type: Point Name: AIR PRODUCTS CHEMICALS LTD Easting: 388000 Northing: 398200	Annual Volume (m^3): 372772 Max Daily Volume (m^3): 3600.5 Original Application No: - Original Start Date: 21/05/1985 Expiry Date: - Issue No: 100 Version Start Date: 01/07/1996 Version End Date: -
-	1936m E	Status: Active Licence No: 2569006036 Details: Non-Evaporative Cooling Direct Source: Ground Water - North West Region Point: BOREHOLE ON PREMISES AT CLAYTON, MANCHESTER Data Type: Point Name: Evonik Chemicals Ltd Easting: 388027 Northing: 398277	Annual Volume (m^3): 372772 Max Daily Volume (m^3): 3600.5 Original Application No: NPS/WR/035265 Original Start Date: 21/05/1985 Expiry Date: - Issue No: 104 Version Start Date: 19/04/2021 Version End Date: -
-	1956m 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: -
-	1995m 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: -

ID	Location	Details	
-	1995m 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: -

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

5.7 Surface water abstractions

Records within 2000m **4**

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

Features are displayed on the Abstractions and Source Protection Zones map on **page 86 >**

ID	Location	Details	
-	1493m E	Status: Historical Licence No: 2569006996 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: Surface, Non-Tidal - North West Region Point: ASHTON CANAL, MANCHESTER [VITACOM] Data Type: Point Name: BRITISH WATERWAYS Easting: 387600 Northing: 398400	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 01/04/1969 Expiry Date: - Issue No: 100 Version Start Date: 01/04/1969 Version End Date: -
-	1689m E	Status: Historical Licence No: 2569006997 Details: Process water Direct Source: "Surface, Non-Tidal - North West Region" Point: "ASHTON CANAL, MANCHESTER [CLAYTON ANALINE]" Data Type: Point Name: BRITISH WATERWAYS Easting: 387800 Northing: 398400	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 01/04/1969 Expiry Date: - Issue No: 100 Version Start Date: 01/04/1969 Version End Date: -

ID	Location	Details	
-	1689m E	Status: Historical Licence No: 2569006997 Details: Process water Direct Source: Surface, Non-Tidal - North West Region Point: ASHTON CANAL, MANCHESTER [CLAYTON ANALINE] Data Type: Point Name: BRITISH WATERWAYS BOARD Easting: 387800 Northing: 398400	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 01/04/1969 Expiry Date: - Issue No: 100 Version Start Date: 01/04/1969 Version End Date: -
-	1689m E	Status: Historical Licence No: 2569006997 Details: Process Water Direct Source: Surface, Non-Tidal - North West Region Point: ASHTON CANAL MANCHESTER CLAYTON ANALINE Data Type: Point Name: Canal and River Trust Easting: 387800 Northing: 398400	Annual Volume (m^3): 3500420 Max Daily Volume (m^3): 3500420 Original Application No: 1470 Original Start Date: 01/04/1969 Expiry Date: - Issue No: 100 Version Start Date: 01/04/1969 Version End Date: -

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

5.8 Potable abstractions

Records within 2000m	**0**

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

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

5.9 Source Protection Zones

Records within 500m	**0**

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

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

5.10 Source Protection Zones (confined aquifer)

Records within 500m	0

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

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

6 Hydrology



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6.1 Water Network (OS MasterMap)

Records within 250m	2

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

Features are displayed on the Hydrology map on **page 97 >**

ID	Location	Type of water feature	Ground level	Permanence	Name
4	118m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Medlock

ID	Location	Type of water feature	Ground level	Permanence	Name
6	128m N	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	6

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

Features are displayed on the Hydrology map on **page 97 >**

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 97 >**

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 97 >**

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
3	116m SE	River	Medlock (Lumb Brook to Irwell)	GB112069061152 ↗	Moderate	Fail	Moderate	2019
A	127m N	Canal	Ashton Canal and Peak Forest Canal, lower section	GB71210219 ↗	Moderate	Fail	Moderate	2019

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

6.5 WFD Groundwater bodies

Records on site	**1**

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

Features are displayed on the Hydrology map on **page 97 >**

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 Areas Benefiting from Flood Defences

Records within 250m	0

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

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

7.5 Flood Storage Areas

Records within 250m	0

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

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

River and coastal flooding - Flood Zones

7.6 Flood Zone 2

Records within 50m	0

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

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

7.7 Flood Zone 3

Records within 50m	0

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

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

8 Surface water flooding



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8.1 Surface water flooding

Highest risk on site	**Negligible**
Highest risk within 50m	**1 in 1000 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 103 >**

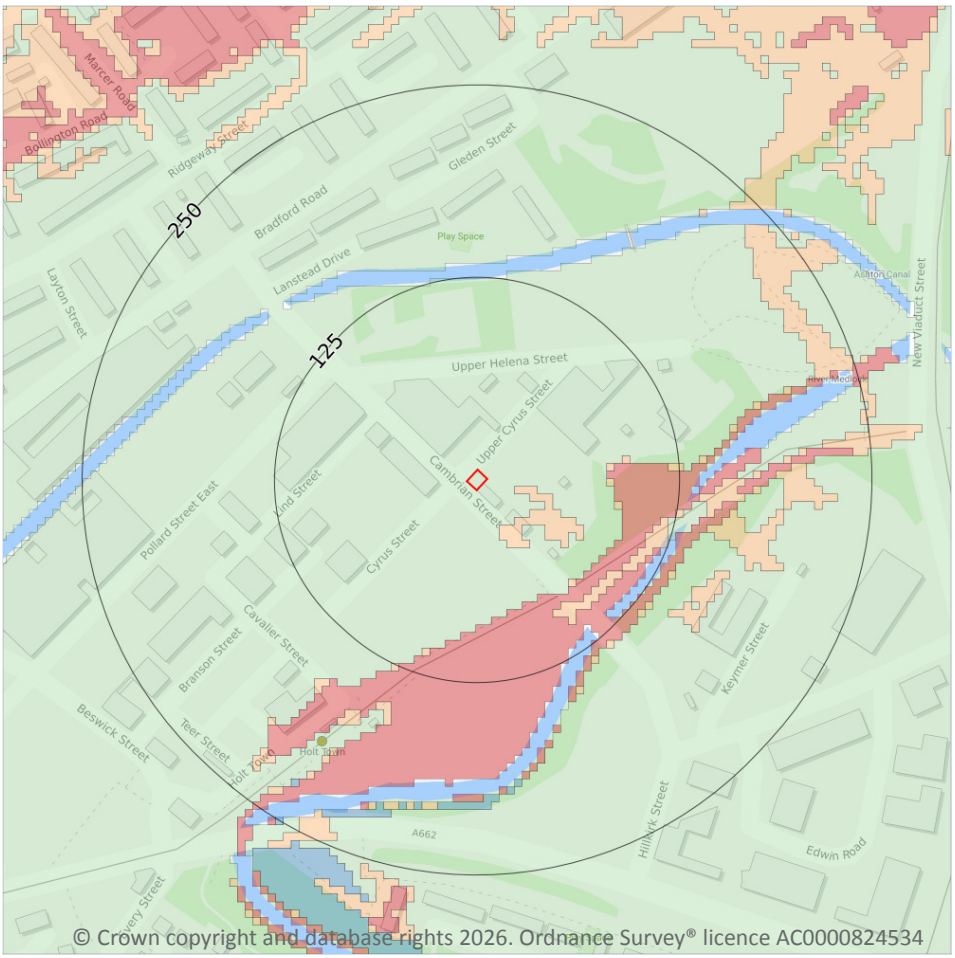
The data shown on the map and in the table above shows the highest likelihood of flood events happening at the site. Lower likelihood events may have greater flood depths and hence a greater potential impact on a site.

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	**Moderate-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 105 >**

This data is sourced from Ambiental Risk Analytics.

10 Environmental designations



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10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m	0

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

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

10.2 Conserved wetland sites (Ramsar sites)

Records within 2000m	0

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

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

10.3 Special Areas of Conservation (SAC)

Records within 2000m	0

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

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

10.4 Special Protection Areas (SPA)

Records within 2000m	0

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

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

10.5 National Nature Reserves (NNR)

Records within 2000m	0

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

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

10.6 Local Nature Reserves (LNR)

Records within 2000m	1

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

Features are displayed on the Environmental designations map on **page 106 >**

ID	Location	Name	Data source
-	1393m E	Clayton Vale	Natural England

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

10.7 Designated Ancient Woodland

Records within 2000m	0

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

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

10.8 Biosphere Reserves

Records within 2000m	0

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

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

10.9 Forest Parks

Records within 2000m	0

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

This data is sourced from the Forestry Commission.

10.10 Marine Conservation Zones

Records within 2000m	0

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

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

10.11 Green Belt

Records within 2000m	1

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

Features are displayed on the Environmental designations map on **page 106 >**

ID	Location	Name	Local Authority name
-	1715m E	Merseyside and Greater Manchester Green Belt	Manchester

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

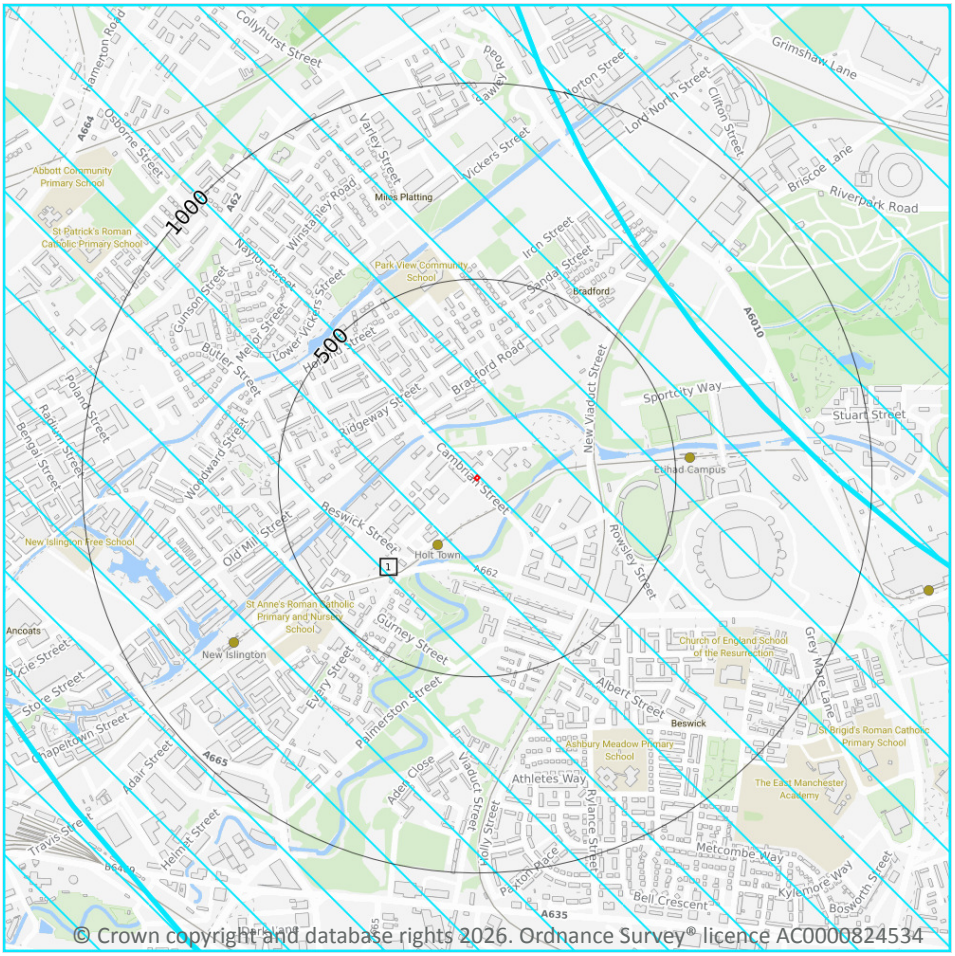
Records within 2000m	1

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
831m W	River Irk (Moston Brook to River Irwell) NVZ	Surface Water	638	Existing

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

SSSI Impact Zones and Units



10.17 SSSI Impact Risk Zones

Records on site	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 111 >**

ID	Location	Type of developments requiring consultation
1	**On site**	**https://irz.geodata.org.uk/IRZ/step2.html?irzcode=0300000430000&notes=&location=387670,439176%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

11.1 World Heritage Sites

Records within 250m	0

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

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

11.2 Area of Outstanding Natural Beauty

Records within 250m	0

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

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

11.3 National Parks

Records within 250m	0

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

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

11.4 Listed Buildings

Records within 250m	0

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

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

11.5 Conservation Areas

Records within 250m	0

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

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

11.6 Scheduled Ancient Monuments

Records within 250m	0

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

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

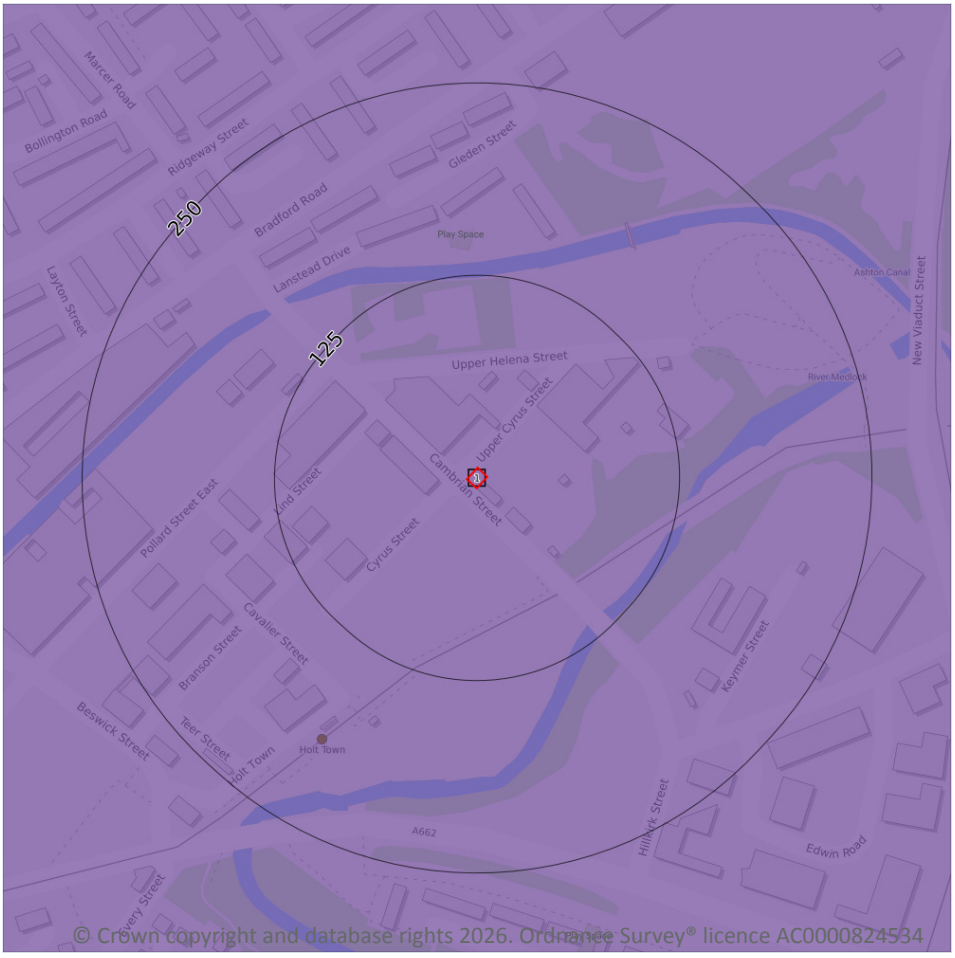
11.7 Registered Parks and Gardens

Records within 250m	0

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

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

12 Agricultural designations



Site Outline

Search buffers in metres (m)

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

12.1 Agricultural Land Classification

Records within 250m	1

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

Features are displayed on the Agricultural designations map on **page 115 >**

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	2

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

Features are displayed on the Habitat designations map on **page 117 >**

ID	Location	Site reference	Identification confidence	Primary source	Secondary source	Tertiary source
1	73m N	NLUD Ref: 421500831	Low	National Land Use Database - Previously Developed Land	UK Perspectives Aerial Photography	-
2	165m NE	HLD_refs: EAHLD16497	Low	Environment Agency Historic Landfill Sites	UK Perspectives Aerial Photography	-

This data is sourced from Natural England.

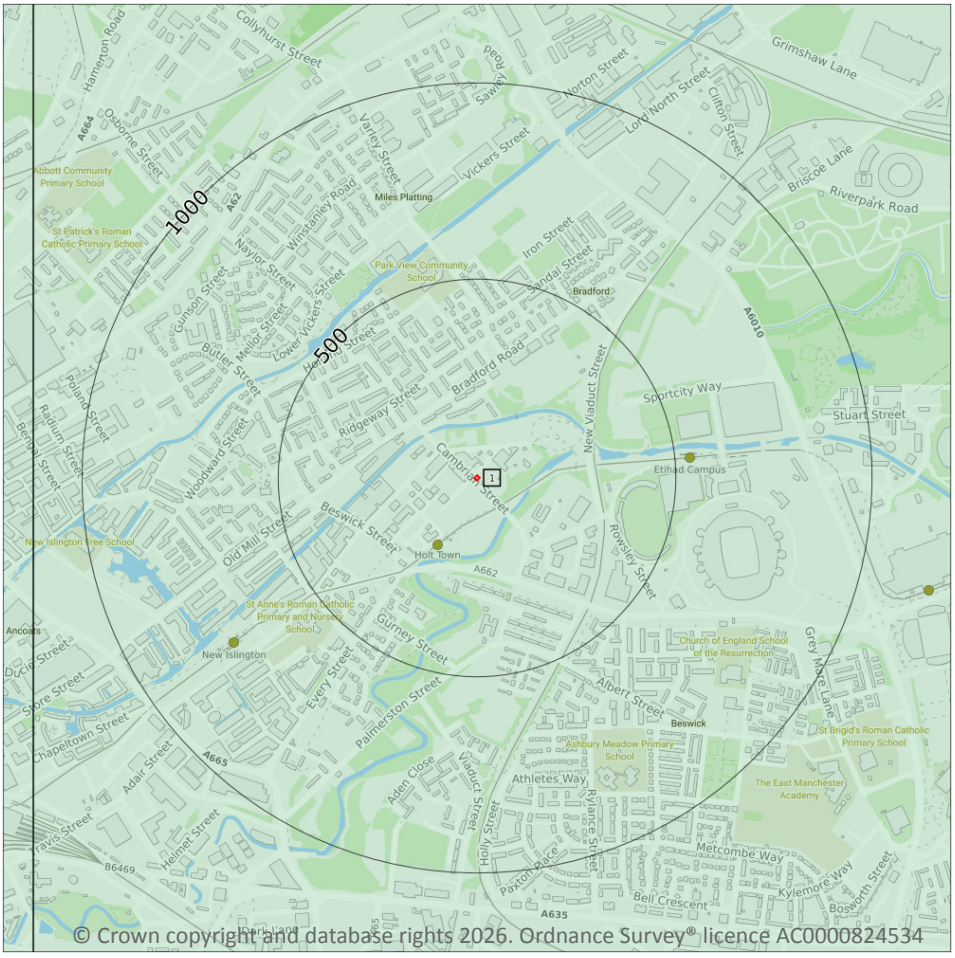
13.4 Limestone Pavement Orders

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



14.1 10k Availability

Records within 500m	1

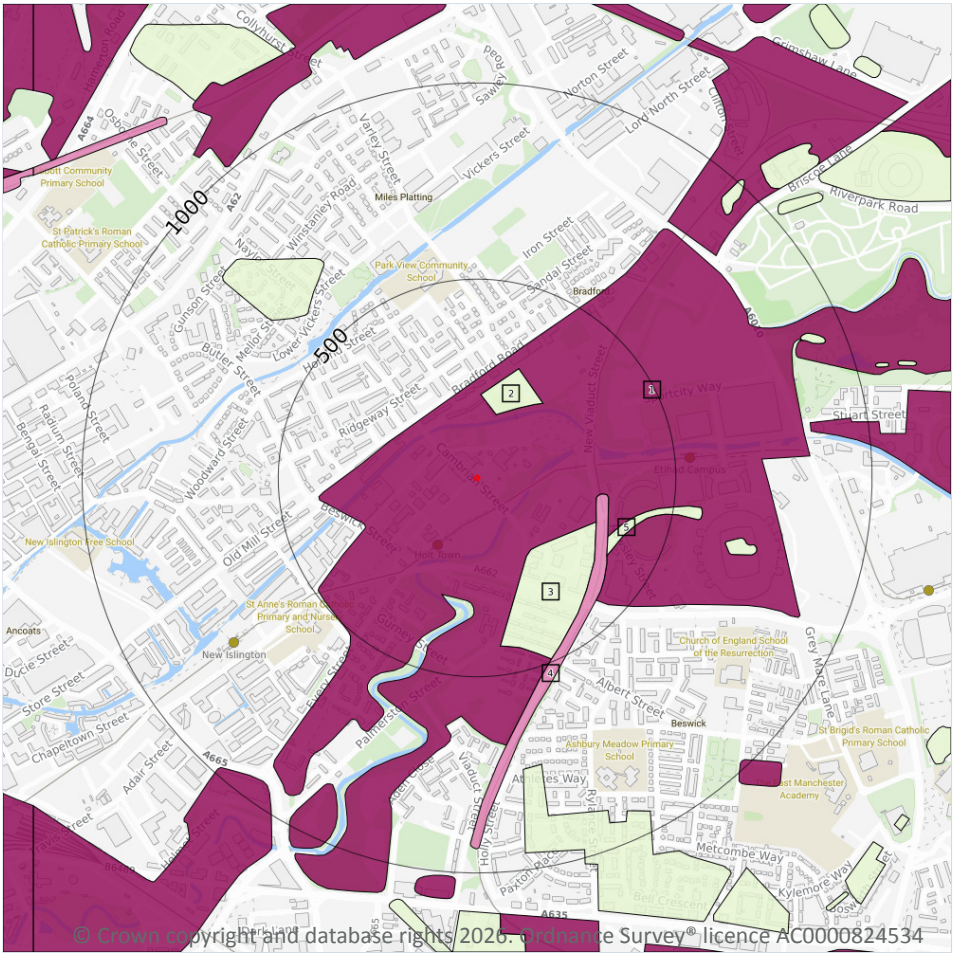
An indication on the coverage of 1:10,000 scale geology data for the site, the most detailed dataset provided by the British Geological Survey. Either 'Full', 'Partial' or 'No coverage' for each geological theme.

Features are displayed on the Geology 1:10,000 scale - Availability map on **page 119 >**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	**On site**	**Full**	**Full**	**Full**	**Full**	**SJ89NE**

This data is sourced from the British Geological Survey.

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



14.2 Artificial and made ground (10k)

Records within 500m	5

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

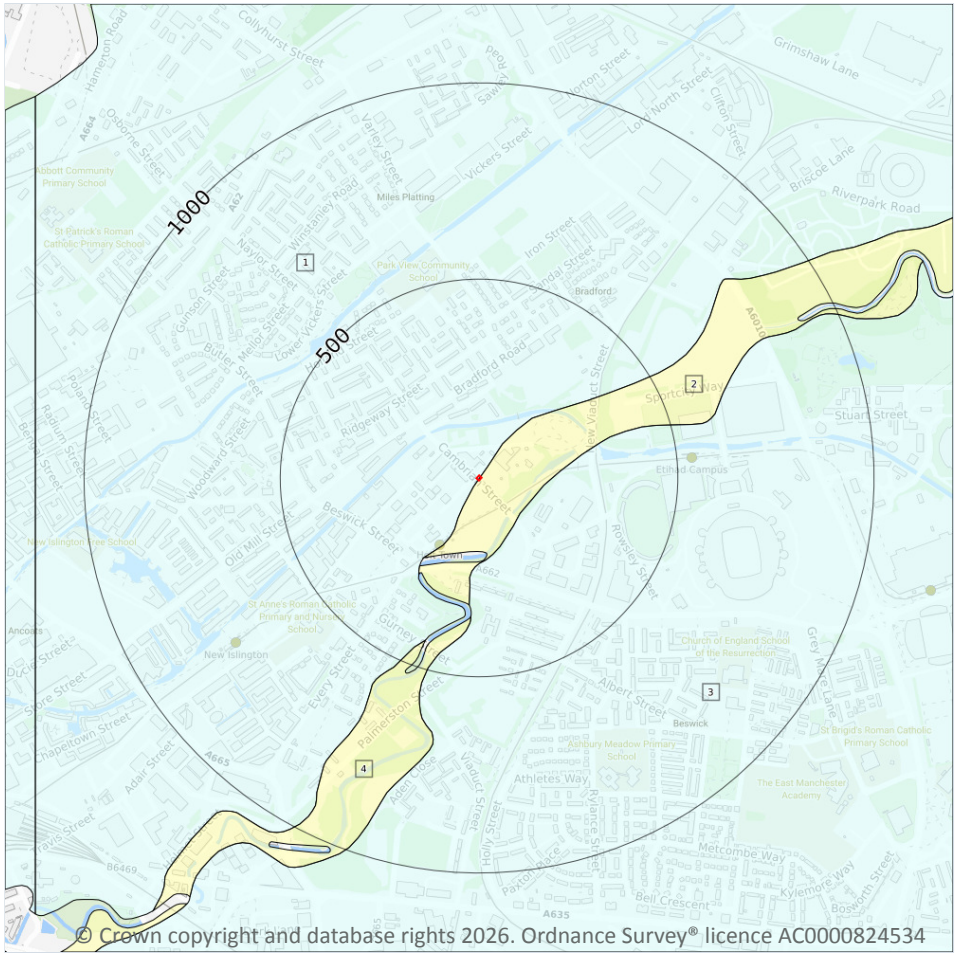
Features are displayed on the Geology 1:10,000 scale - Artificial and made ground map on **page 120 >**

ID	Location	LEX Code	Description	Rock description
1	**On site**	**MGR-ARTDP**	**Made Ground (Undivided)**	**Artificial deposit**
2	162m N	WMGR-ARTDP	Infilled Ground	Artificial deposit
3	223m SE	WMGR-ARTDP	Infilled Ground	Artificial deposit
4	302m E	WGR-VOID	Worked Ground (Undivided)	Void

ID	Location	LEX Code	Description	Rock description
5	360m SE	WMGR-ARTDP	Infilled Ground	Artificial deposit

This data is sourced from the British Geological Survey.

Geology 1:10,000 scale - Superficial



Site Outline

Search buffers in metres (m)

Landslip (10k)

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

14.3 Superficial geology (10k)

Records within 500m **4**

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

Features are displayed on the Geology 1:10,000 scale - Superficial map on **page 122 >**

ID	Location	LEX Code	Description	Rock description
1	**On site**	**TILLD-DMTN**	**Till, Devensian-Diamicton**	**Diamicton**
2	**On site**	**ALV-XCZSV**	**Alluvium-Clay, Silt, Sand And Gravel**	**Clay, silt, sand and gravel**
3	134m SE	TILLD-DMTN	Till, Devensian-Diamicton	Diamicton

ID	Location	LEX Code	Description	Rock description
4	347m S	ALV-XCZSV	Alluvium-Clay, Silt, Sand And Gravel	Clay, silt, sand and gravel

This data is sourced from the British Geological Survey.

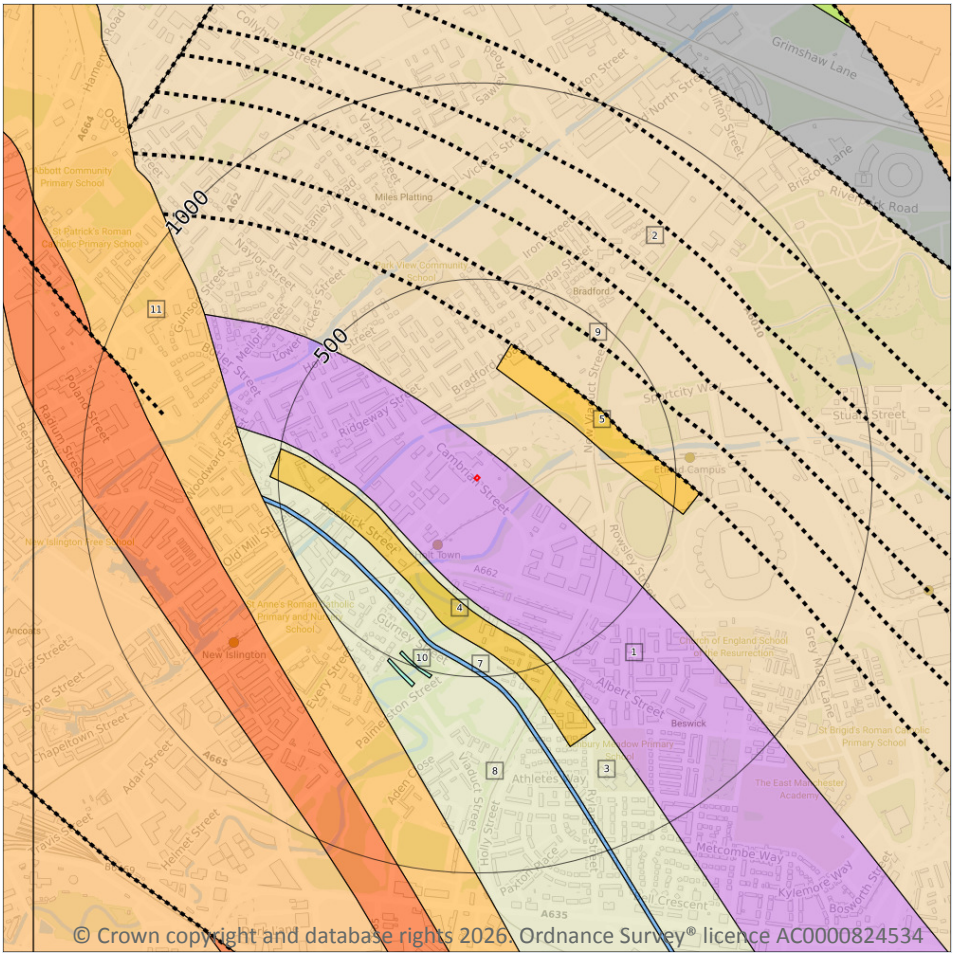
14.4 Landslip (10k)

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 **9**

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

Features are displayed on the Geology 1:10,000 scale - Bedrock map on **page 124 >**

ID	Location	LEX Code	Description	Rock age
1	**On site**	**ETM-STMD**	**Etruria Formation-Sandstone And Mudstone**	**Westphalian**
2	68m NE	PUCM-MDSS	Pennine Upper Coal Measures Formation-Mudstone, Siltstone And Sandstone	Westphalian
3	229m SW	HA-MDSS	Halesowen Formation-Mudstone, Siltstone And Sandstone	Westphalian

ID	Location	LEX Code	Description	Rock age
4	248m SW	HTS-SDST	Holt Town Sandstone Bed-Sandstone	Westphalian
5	248m NE	OPS-SDST	Openshaw Sandstone-Sandstone	Westphalian
7	359m SW	GML-LMST	Great Mine Limestone-Limestone	Westphalian
8	370m SW	HA-MDSS	Halesowen Formation-Mudstone, Siltstone And Sandstone	Westphalian
10	475m SW	HYLS-LMST	Half Yard Limestone-Limestone	Westphalian
11	500m SW	CS-SDST	Collyhurst Sandstone Formation-Sandstone	Not Defined

This data is sourced from the British Geological Survey.

14.6 Bedrock faults and other linear features (10k)

Records within 500m	**2**

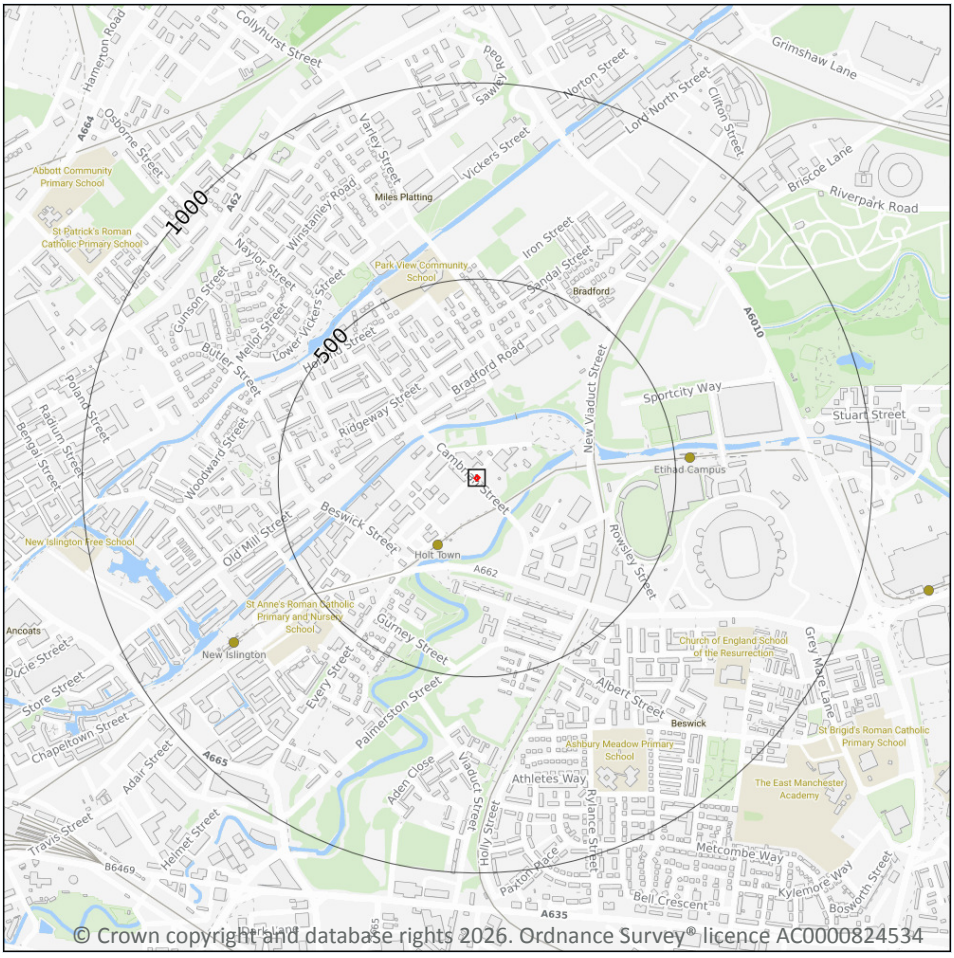
Linear features at the ground or bedrock surface at 1:10,000 scale of six main types; rock, fault, fold axis, mineral vein, alteration area or landform. Features are either observed or inferred, and relate primarily to bedrock.

Features are displayed on the Geology 1:10,000 scale - Bedrock map on **page 124 >**

ID	Location	Category	Description
6	324m NE	ROCK	Coal seam, inferred
9	453m NE	ROCK	Coal seam, inferred

This data is sourced from the British Geological Survey.

15 Geology 1:50,000 scale - Availability



15.1 50k Availability

Records within 500m	1

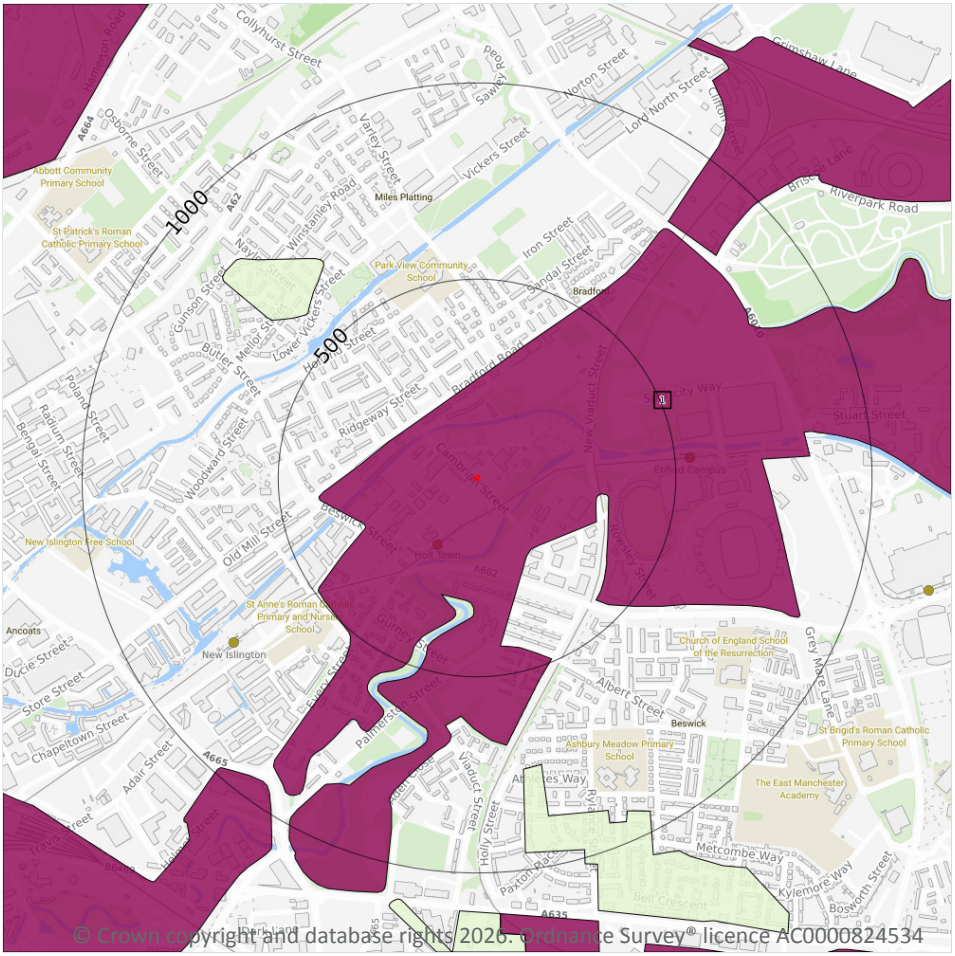
An indication on the coverage of 1:50,000 scale geology data for the site. Either 'Full' or 'No coverage' for each geological theme.

Features are displayed on the Geology 1:50,000 scale - Availability map on **page 126 >**

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	1

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

Features are displayed on the Geology 1:50,000 scale - Artificial and made ground map on **page 127 >**

ID	Location	LEX Code	Description	Rock description
1	**On site**	**MGR-ARTDP**	**Made Ground**	**Artificial deposit**

This data is sourced from the British Geological Survey.

15.3 Artificial ground permeability (50k)

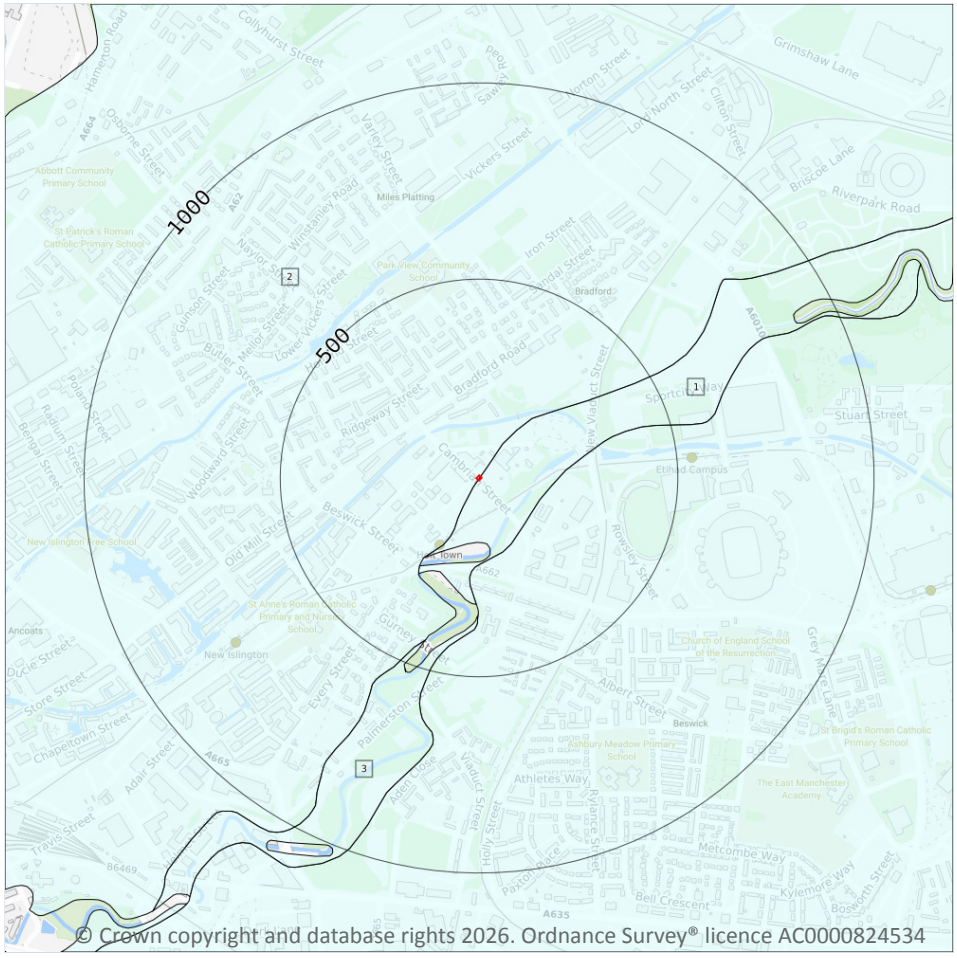
Records within 50m	1

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

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

This data is sourced from the British Geological Survey.

Geology 1:50,000 scale - Superficial



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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 129 >**

ID	Location	LEX Code	Description	Rock description
1	**On site**	**ALV-XCZSV**	**Alluvium**	**Clay, silt, sand and gravel**
2	**On site**	**TILLD-DMTN**	**Till, Devensian**	**Diamicton**
3	345m S	ALV-XCZSV	Alluvium	Clay, silt, sand and gravel

This data is sourced from the British Geological Survey.

15.5 Superficial permeability (50k)

Records within 50m	2

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

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

This data is sourced from the British Geological Survey.

15.6 Landslip (50k)

Records within 500m	0

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

This data is sourced from the British Geological Survey.

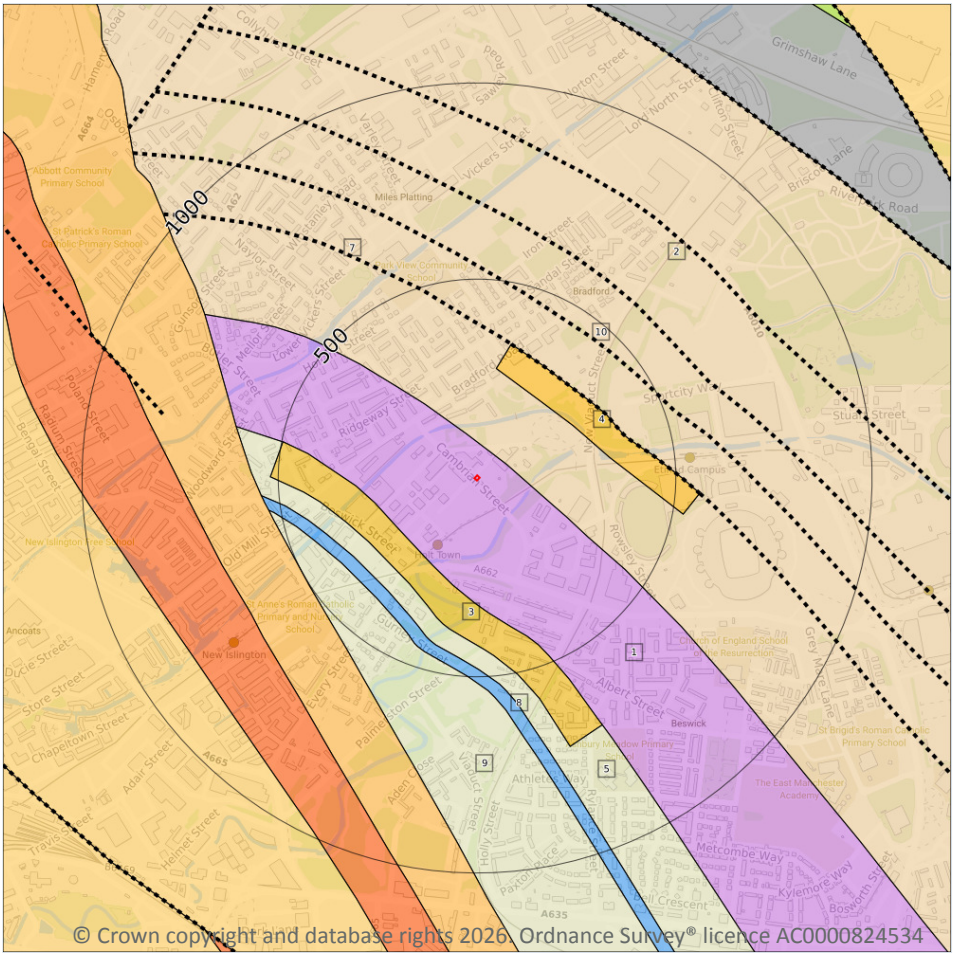
15.7 Landslip permeability (50k)

Records within 50m	0

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

This data is sourced from the British Geological Survey.

Geology 1:50,000 scale - Bedrock



Site Outline

Search buffers in metres (m)

Bedrock faults and other linear features (50k)

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

15.8 Bedrock geology (50k)

Records within 500m **7**

Bedrock geology at 1:50,000 scale. The main mass of rocks forming the Earth and present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

Features are displayed on the Geology 1:50,000 scale - Bedrock map on **page 131 >**

ID	Location	LEX Code	Description	Rock age
1	**On site**	**ETM-STMD**	**Etruria Formation-Sandstone and mudstone**	**Westphalian**
2	68m NE	PUCM-MDSS	Pennine Upper Coal Measures Formation-Mudstone, siltstone and sandstone	Westphalian
3	229m SW	HTS-SDST	Holt Town Sandstone Bed-Sandstone	Westphalian

ID	Location	LEX Code	Description	Rock age
4	248m NE	OPS-SDST	Openshaw Sandstone-Sandstone	Westphalian
5	306m SW	HA-MDSS	Halesowen Formation-Mudstone, siltstone and sandstone	Westphalian
8	359m SW	GML-LMST	Great Mine Limestone-Limestone	Westphalian
9	392m SW	HA-MDSS	Halesowen Formation-Mudstone, siltstone and sandstone	Westphalian

This data is sourced from the British Geological Survey.

15.9 Bedrock permeability (50k)

Records within 50m **1**

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

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

This data is sourced from the British Geological Survey.

15.10 Bedrock faults and other linear features (50k)

Records within 500m **3**

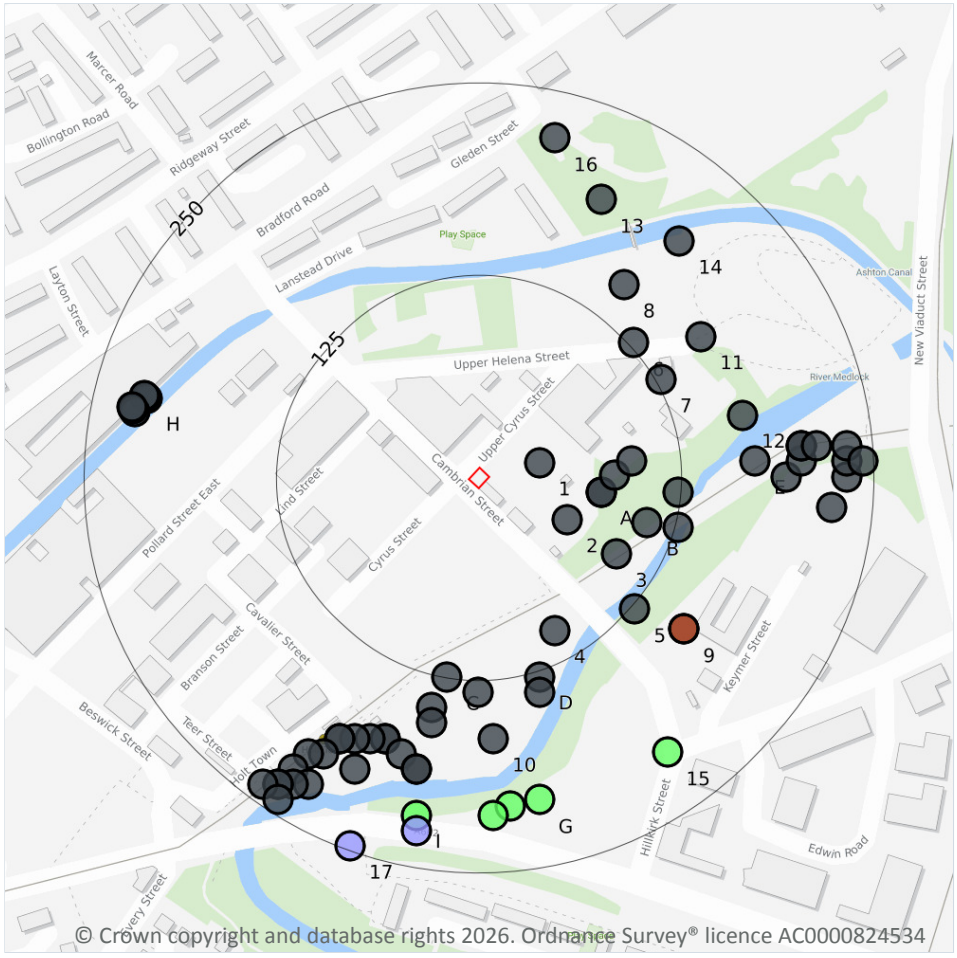
Linear features at the ground or bedrock surface at 1:50,000 scale of six main types; rock, fault, fold axis, mineral vein, alteration area or landform. Features are either observed or inferred, and relate primarily to bedrock.

Features are displayed on the Geology 1:50,000 scale - Bedrock map on **page 131 >**

ID	Location	Category	Description
6	324m NE	ROCK	Coal seam, inferred
7	345m N	ROCK	Coal seam, inferred
10	454m NE	ROCK	Coal seam, inferred

This data is sourced from the British Geological Survey.

16 Boreholes



16.1 BGS Boreholes

Records within 250m	71

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 133 >**

ID	Location	Grid reference	Name	Length	Confidential	Web link
1	34m E	386170 398709	HOLT TOWN J	-	Y	N/A
2	58m SE	386188 398672	HOLT TOWN K	-	Y	N/A

ID	Location	Grid reference	Name	Length	Confidential	Web link
A	73m E	386210 398690	ASHTON CANAL CORRIDOR HOLT TOWN INDUSTRIAL ESTATE VOL 1 BHW 3	-	Y	N/A
A	73m E	386210 398690	ASHTON CANAL CORRIDOR HOLT TOWN INDUSTRIAL ESTATE VOL 1 BHW 3A	-	Y	N/A
A	82m E	386219 398701	HOLT TOWN H	-	Y	N/A
A	93m E	386230 398710	ASHTON CANAL CORRIDOR HOLT TOWN INDUSTRIAL ESTATE VOL 1 BHW 5	-	Y	N/A
3	97m SE	386220 398650	ASHTON CANAL CORRIDOR HOLT TOWN INDUSTRIAL ESTATE VOL 1 BHW 4	-	Y	N/A
4	105m SE	386180 398600	ASHTON CANAL CORRIDOR HOLT TOWN INDUSTRIAL ESTATE VOL 2 BHV 2	-	Y	N/A
B	107m E	386240 398670	ASHTON CANAL CORRIDOR HOLT TOWN INDUSTRIAL ESTATE VOL 1 BHW 2	-	Y	N/A
B	123m E	386260 398690	ASHTON CANAL CORRIDOR HOLT TOWN INDUSTRIAL ESTATE VOL 1 BHW 1	-	Y	N/A
C	124m S	386110 398570	ASHTON CANAL CORRIDOR HOLT TOWN INDUSTRIAL ESTATE VOL 2 BHV 5	-	Y	N/A
B	127m E	386260 398667	HOLT TOWN M	-	Y	N/A
5	128m SE	386232 398614	HOLT TOWN L	-	Y	N/A
6	128m NE	386231 398787	HOLT TOWN C	-	Y	N/A
7	128m NE	386249 398763	HOLT TOWN E	-	Y	N/A
D	129m S	386170 398570	ASHTON CANAL CORRIDOR HOLT TOWN INDUSTRIAL ESTATE VOL 2 WSV 3	-	Y	N/A
C	133m S	386130 398560	ASHTON CANAL CORRIDOR HOLT TOWN INDUSTRIAL ESTATE VOL 2 WSV 1	-	Y	N/A
D	138m S	386170 398560	ASHTON CANAL CORRIDOR HOLT TOWN INDUSTRIAL ESTATE VOL 2 BHV 1	-	Y	N/A
C	146m S	386100 398550	ASHTON CANAL CORRIDOR HOLT TOWN INDUSTRIAL ESTATE VOL 2 TPV 1	-	Y	N/A
8	152m NE	386225 398825	HOLT TOWN A	-	Y	N/A
C	156m S	386100 398540	ASHTON CANAL CORRIDOR HOLT TOWN INDUSTRIAL ESTATE VOL 2 BHV 7	-	Y	N/A
9	161m SE	386264 398601	BORING AT KEYNES STREET	-1.0	N	936545 ↗
10	163m S	386140 398530	ASHTON CANAL CORRIDOR HOLT TOWN INDUSTRIAL ESTATE VOL 2 BHV 3	-	Y	N/A

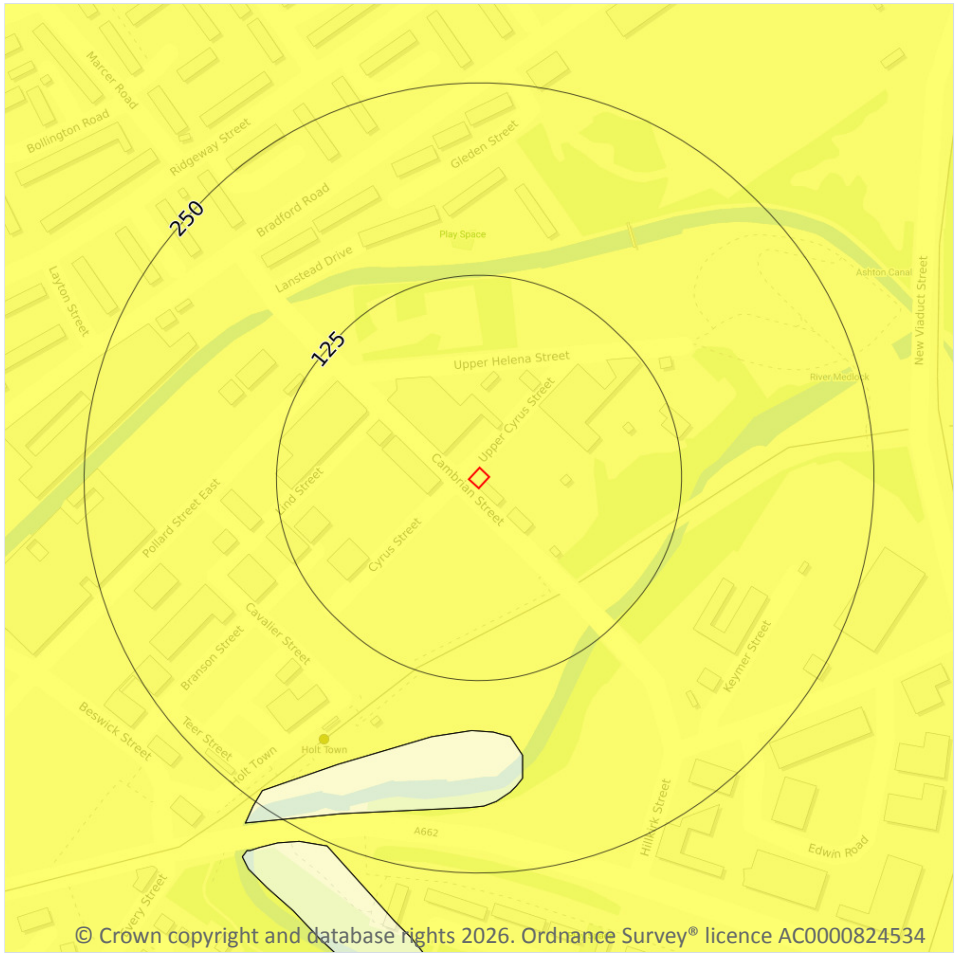
ID	Location	Grid reference	Name	Length	Confidential	Web link
11	165m NE	386275 398791	HOLT TOWN D	-	Y	N/A
12	170m E	386302 398740	HOLT TOWN F	-	Y	N/A
E	173m E	386310 398710	MANCHESTER METROLINK-ADDITIONAL WORKS VOL 2 TPZ7	-	Y	N/A
F	173m S	386070 398530	ASHTON CANAL CORRIDOR HOLT TOWN INDUSTRIAL ESTATE VOL 2 BHV 8	-	Y	N/A
F	173m S	386070 398530	ASHTON CANAL CORRIDOR HOLT TOWN INDUSTRIAL ESTATE VOL 2 TPV 4	-	Y	N/A
F	177m SW	386060 398530	ASHTON CANAL CORRIDOR HOLT TOWN INDUSTRIAL ESTATE VOL 2 TPV 5	-	Y	N/A
F	180m S	386080 398520	ASHTON CANAL CORRIDOR HOLT TOWN INDUSTRIAL ESTATE VOL 2 TPV 3	-	Y	N/A
F	181m SW	386050 398530	ASHTON CANAL CORRIDOR HOLT TOWN INDUSTRIAL ESTATE VOL 2 BHV 4	-	Y	N/A
F	186m SW	386040 398530	MANCHESTER METRO PHASE 3 EXTENSION TO COMMONWEALTH WEALTH GAMES STADIUM TP E6	-	Y	N/A
F	186m SW	386040 398530	MANCHESTER METRO PHASE 3 EXTENSION TO COMMONWEALTH WEALTH GAMES STADIUM BHE3	-	Y	N/A
F	187m S	386090 398510	ASHTON CANAL CORRIDOR HOLT TOWN INDUSTRIAL ESTATE VOL 2 BHV 6	-	Y	N/A
F	187m S	386090 398510	ASHTON CANAL CORRIDOR HOLT TOWN INDUSTRIAL ESTATE VOL 2 TPV 2	-	Y	N/A
13	191m NE	386210 398880	SAXON STREET MANCHESTER C	-	Y	N/A
E	193m E	386330 398700	ASHTON CANAL CORRIDOR MEDLOCK STRUCTURES BHX 1	-	Y	N/A
14	196m NE	386261 398853	HOLT TOWN B	-	Y	N/A
F	200m SW	386050 398510	ASHTON CANAL CORRIDOR HOLT TOWN INDUSTRIAL ESTATE VOL 2 BHV 10	-	Y	N/A
F	200m SW	386030 398520	MANCHESTER METRO PHASE 3 EXTENSION TO COMMONWEALTH WEALTH GAMES STADIUM TP E5	-	Y	N/A
E	203m E	386340 398710	ASHTON CANAL CORRIDOR MEDLOCK STRUCTURES BHX 2	-	Y	N/A
E	204m E	386340 398720	ASHTON CANAL CORRIDOR MEDLOCK STRUCTURES BHZ 4	-	Y	N/A

ID	Location	Grid reference	Name	Length	Confidential	Web link
E	204m E	386340 398720	MANCHESTER METROLINK-ADDITIONAL WORKS VOL 3 BHZ4	-	Y	N/A
F	205m SW	386020 398520	MANCHESTER METRO PHASE 3 EXTENSION TO COMMONWEALTH WEALTH GAMES STADIUM TP E4	-	Y	N/A
G	206m S	386170 398490	LOWER MEDLOCK UCSO 526	29.68	N	937031 ↗
G	208m S	386151 398486	MANCHESTER CORP. PHILLIPS PARK ROAD	12.04	N	936472 ↗
15	211m SE	386253 398521	MANCHESTER CORP. PHILLIPS PARK ROAD	14.78	N	936473 ↗
G	213m S	386140 398480	CARLISLE STREET CPO AREA 1	10.28	N	937395 ↗
E	214m E	386350 398720	MANCHESTER METROLINK-ADDITIONAL WORKS VOL 2 TPZ8	-	Y	N/A
H	216m W	385915 398751	ASHTON CANAL, BRIDGE 5 TO BRIDGE 6 WS2	-	Y	N/A
I	216m S	386090 398480	CARLISLE STREET CPO AREA 3	10.28	N	937397 ↗
H	217m W	385914 398752	ASHTON CANAL, BRIDGE 5 TO BRIDGE 6 TP2	-	Y	N/A
H	218m W	385913 398753	ASHTON CANAL, BRIDGE 5 TO BRIDGE 6 BH2	-	Y	N/A
F	219m SW	386010 398510	MANCHESTER METRO PHASE 3 EXTENSION TO COMMONWEALTH WEALTH GAMES STADIUM TP E3	-	Y	N/A
16	220m N	386180 398920	SAXON STREET MANCHESTER B	-	Y	N/A
H	222m W	385907 398742	ASHTON CANAL, BRIDGE 5 TO BRIDGE 6 WS1	-	Y	N/A
F	222m SW	386020 398500	MANCHESTER METRO PHASE 3 EXTENSION TO COMMONWEALTH WEALTH GAMES STADIUM BHE5	-	Y	N/A
H	223m W	385906 398744	ASHTON CANAL, BRIDGE 5 TO BRIDGE 6 TP1	-	Y	N/A
E	224m E	386360 398680	MANCHESTER METROLINK-ADDITIONAL WORKS VOL 2 TPZ12	-	Y	N/A
H	224m W	385905 398745	ASHTON CANAL, BRIDGE 5 TO BRIDGE 6 BH1	-	Y	N/A
I	226m S	386090 398470	CARLISLE STREET CPO AREA 2	5.03	N	937396 ↗
F	227m SW	386010 398500	MANCHESTER METRO PHASE 3 EXTENSION TO COMMONWEALTH WEALTH GAMES STADIUM BHE2	-	Y	N/A
E	233m E	386370 398700	MANCHESTER METROLINK-ADDITIONAL WORKS VOL 2 TPZ9	-	Y	N/A

ID	Location	Grid reference	Name	Length	Confidential	Web link
F	233m SW	386000 398500	MANCHESTER METRO PHASE 3 EXTENSION TO COMMONWEALTH WEALTH GAMES STADIUM TP E2	-	Y	N/A
F	233m SW	386000 398500	ASHTON CANAL CORRIDOR HOLT TOWN INDUSTRIAL ESTATE VOL 2 BHV 9B	-	Y	N/A
E	233m E	386370 398710	MANCHESTER METROLINK-ADDITIONAL WORKS VOL 2 BHZ5	-	Y	N/A
E	234m E	386370 398720	MANCHESTER METROLINK-ADDITIONAL WORKS VOL 2 BHZ3	-	Y	N/A
F	238m SW	385990 398500	MANCHESTER METRO PHASE 3 EXTENSION TO COMMONWEALTH WEALTH GAMES STADIUM TP E1	-	Y	N/A
F	241m SW	386000 398490	MANCHESTER METRO PHASE 3 EXTENSION TO COMMONWEALTH WEALTH GAMES STADIUM BHE1	-	Y	N/A
E	243m E	386380 398710	MANCHESTER METROLINK-ADDITIONAL WORKS VOL 2 TPZ10	-	Y	N/A
17	247m S	386047 398460	MANCHESTER CORP. PURSLOW STREET	9.75	N	936471 ↗

This data is sourced from the British Geological Survey.

17 Natural ground subsidence - Shrink swell clays



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Site Outline

Search buffers in metres (m)

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

17.1 Shrink swell clays

Records within 50m	1

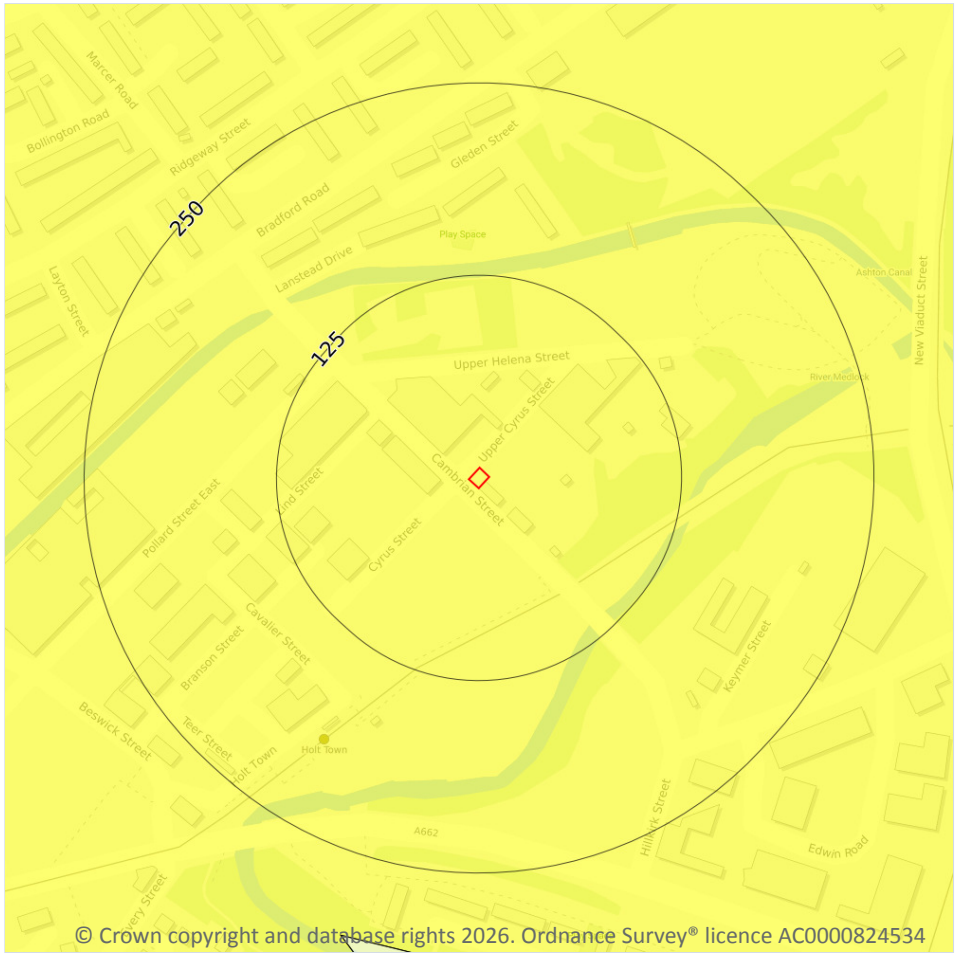
The potential hazard presented by soils that absorb water when wet (making them swell), and lose water as they dry (making them shrink). This shrink-swell behaviour is controlled by the type and amount of clay in the soil, and by seasonal changes in the soil moisture content (related to rainfall and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

Features are displayed on the Natural ground subsidence - Shrink swell clays map on **page 138 >**

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

This data is sourced from the British Geological Survey.

Natural ground subsidence - Running sands



Site Outline

Search buffers in metres (m)

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

17.2 Running sands

Records within 50m	1

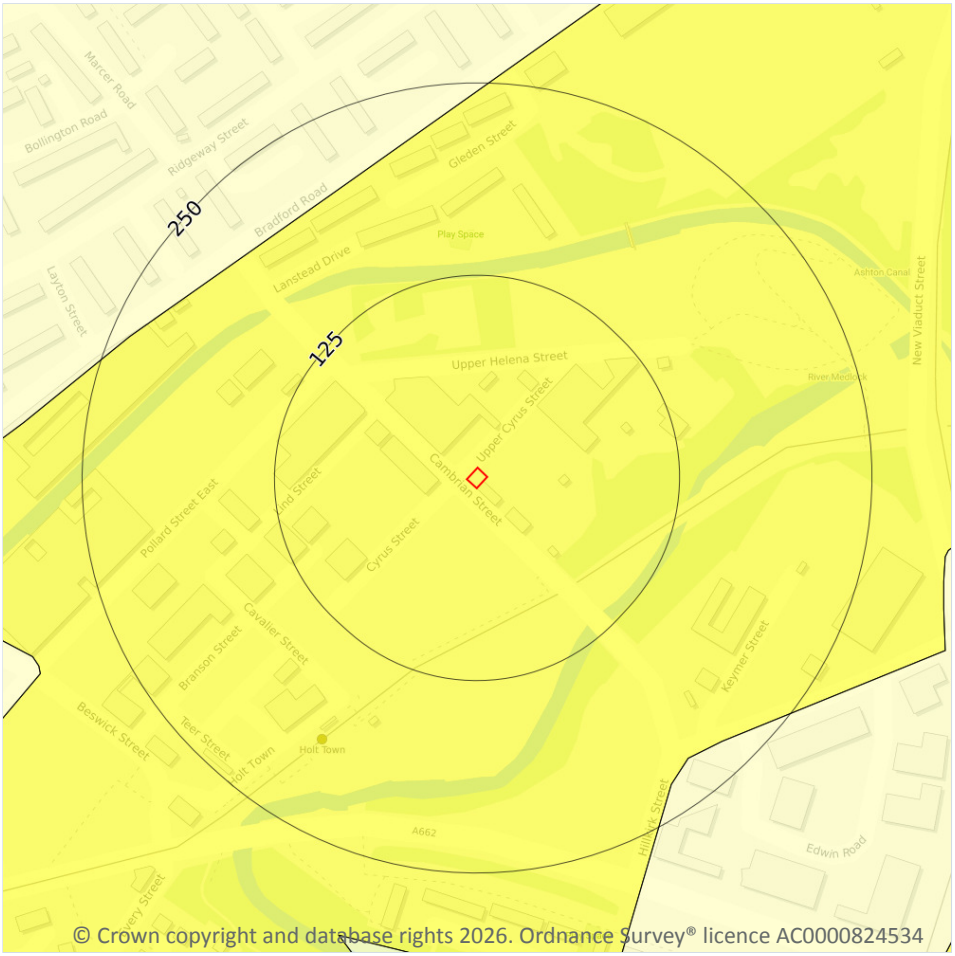
The potential hazard presented by rocks that can contain loosely-packed sandy layers that can become fluidised by water flowing through them. Such sands can 'run', removing support from overlying buildings and causing potential damage.

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

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

This data is sourced from the British Geological Survey.

Natural ground subsidence - Compressible deposits



17.3 Compressible deposits

Records within 50m	1

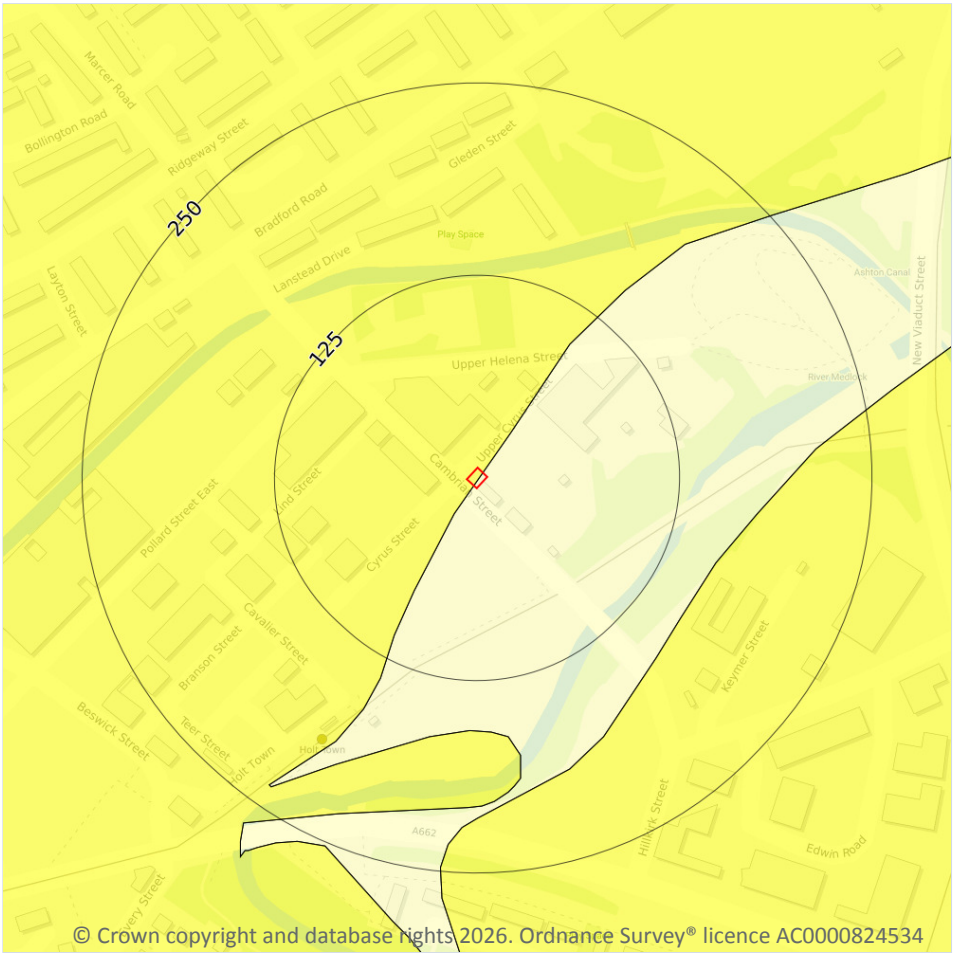
The potential hazard presented by types of ground that may contain layers of very soft materials like clay or peat and may compress if loaded by overlying structures, or if the groundwater level changes, potentially resulting in depression of the ground and disturbance of foundations.

Features are displayed on the Natural ground subsidence - Compressible deposits map on **page 140 >**

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

This data is sourced from the British Geological Survey.

Natural ground subsidence - Collapsible deposits



17.4 Collapsible deposits

Records within 50m	2

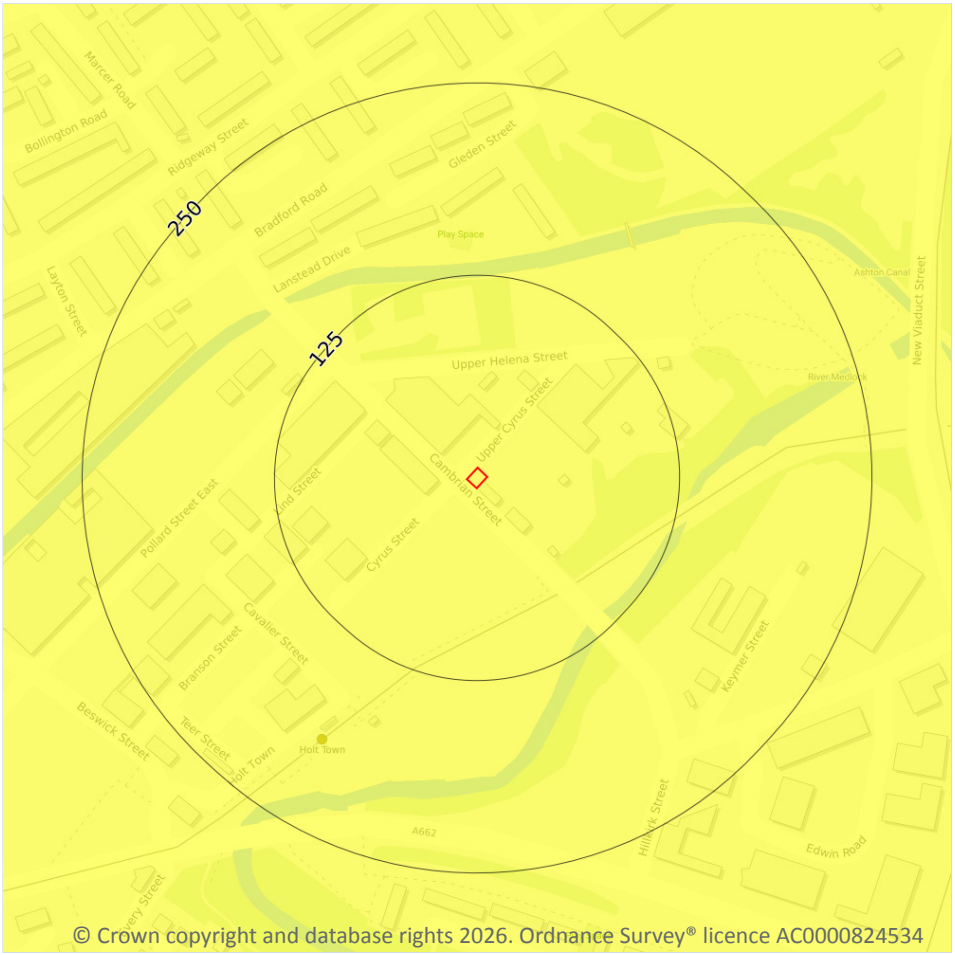
The potential hazard presented by natural deposits that could collapse when a load (such as a building) is placed on them or they become saturated with water.

Features are displayed on the Natural ground subsidence - Collapsible deposits map on **page 141 >**

Location	Hazard rating	Details
On site	**Negligible**	**Deposits with potential to collapse when loaded and saturated are believed not to be present.**
On site	**Very low**	**Deposits with potential to collapse when loaded and saturated are unlikely to be present.**

This data is sourced from the British Geological Survey.

Natural ground subsidence - Landslides



Site Outline

Search buffers in metres (m)

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

17.5 Landslides

Records within 50m	1

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

Features are displayed on the Natural ground subsidence - Landslides map on **page 142 >**

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

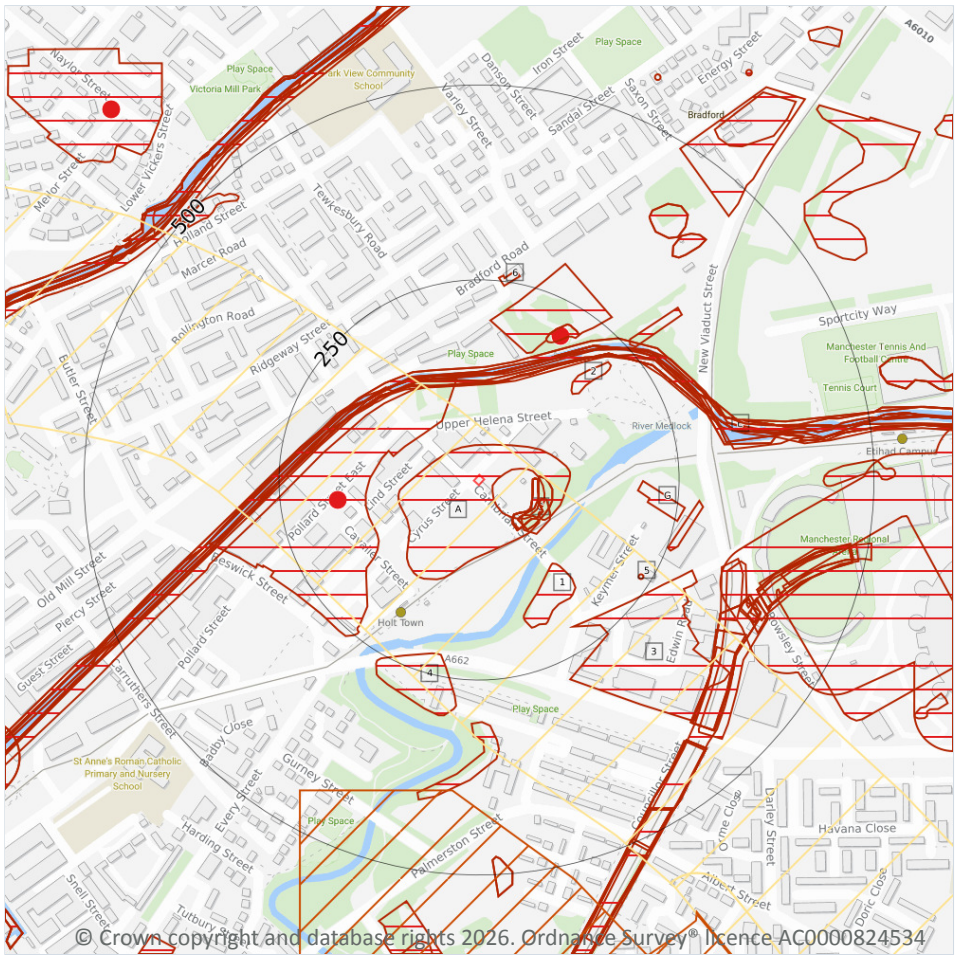
The potential hazard presented by ground dissolution, which occurs when water passing through soluble rocks produces underground cavities and cave systems. These cavities reduce support to the ground above and can cause localised collapse of the overlying rocks and deposits.

Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on **page 143 >**

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



18.1 BritPits

Records within 500m	2

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

Features are displayed on the Mining and ground workings map on **page 145 >**

ID	Location	Details	Description
D	176m W	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.
F	206m NE	Name: Glenden Hall 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	**30**

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 145 >**

ID	Location	Land Use	Year of mapping	Mapping scale
A	**On site**	**Reservoir**	**1848**	**1:10560**
C	59m SE	Unspecified Ground Workings	1923	1:10560
C	59m SE	Unspecified Ground Workings	1938	1:10560
C	59m SE	Unspecified Ground Workings	1933	1:10560
C	59m SE	Unspecified Ground Workings	1921	1:10560
C	59m SE	Unspecified Ground Workings	1906	1:10560
C	66m SE	Unspecified Heap	1968	1:10560
C	66m SE	Unspecified Heap	1956	1:10560

ID	Location	Land Use	Year of mapping	Mapping scale
C	68m SE	Unspecified Ground Workings	1891	1:10560
D	84m NW	Brick Field	1848	1:10560
A	115m N	Canal	1991	1:10000
A	116m N	Canal	1923	1:10560
A	118m N	Canal	1938	1:10560
A	118m N	Canal	1933	1:10560
A	118m N	Canal	1906	1:10560
A	118m N	Canal	1891	1:10560
A	118m N	Canal	1921	1:10560
E	121m N	Canal	1968	1:10560
E	121m N	Canal	1956	1:10560
A	128m N	Canal	1985	1:10000
A	128m N	Canal	1981	1:10000
1	138m SE	Pond	1848	1:10560
2	158m NE	Unspecified Ground Workings	1968	1:10560
F	168m N	Brick Field	1848	1:10560
F	192m NE	Pond	1848	1:10560
G	198m E	Reservoir	1956	1:10560
3	218m SE	Brick Field	1848	1:10560
4	223m S	Pond	1848	1:10560
5	234m SE	Brick Kiln	1848	1:10560
6	244m N	Brick Kilns	1848	1:10560

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

18.3 Underground workings

Records within 1000m **7**

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

Features are displayed on the Mining and ground workings map on **page 145 >**

ID	Location	Land Use	Year of mapping	Mapping scale
-	835m E	Colliery	1923	1:10560
-	836m E	Colliery	1921	1:10560
-	836m E	Colliery	1906	1:10560
-	949m E	Unspecified Shafts	1981	1:10000
-	958m E	Unspecified Shafts	1981	1:10000
-	959m E	Unspecified Disused Shafts	1985	1:10000
-	967m E	Unspecified Disused Shafts	1985	1:10000

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 145 >**

ID	Location	Name	Commodity	Class	Likelihood
B	**On site**	**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.**
9	343m S	Not available	Building stone (zone of influence)	NA	Zone of influence only
10	393m S	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.
S	565m SE	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.
S	615m SE	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	1

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

Location	Mineral type
274m SE	Stone

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

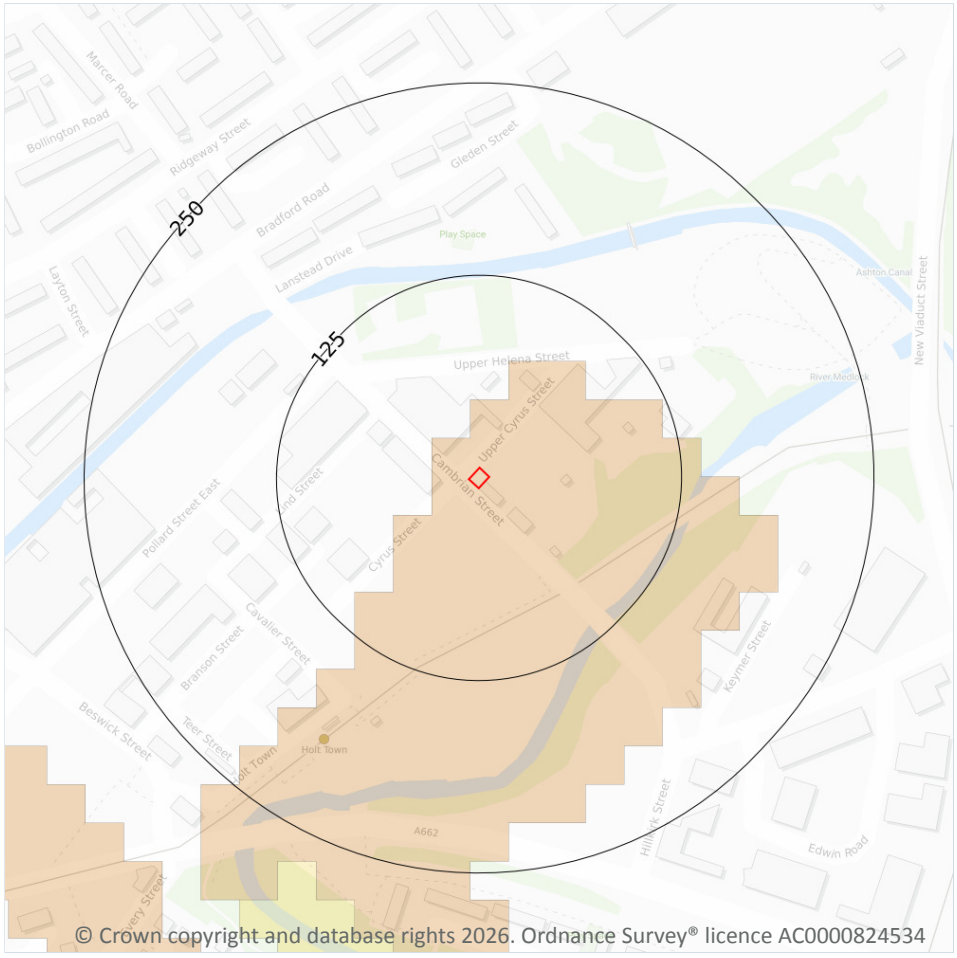
Records within 500m	0

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



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 154 >**

Location	Estimated properties affected	Radon Protection Measures required
On site	**Between 5% and 10%**	**Basic**

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	2

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

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	**15 - 25 mg/kg**	**No data**	**100 - 200 mg/kg**	**60 - 120 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**30 - 45 mg/kg**
49m NE	15 - 25 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg

This data is sourced from the British Geological Survey.

21.2 BGS Estimated Urban Soil Chemistry

Records within 50m	4

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	**59**	**10.3**	**49**	**34**	**0.3**	**602**	**19**	**51**	**5**
On site	**61**	**10.7**	**44**	**30**	**0.3**	**662**	**17**	**52**	**4**
24m W	57	10	82	56	0.3	600	31	50	7
24m W	55	9.6	88	60	0.3	546	33	49	8

This data is sourced from the British Geological Survey.

21.3 BGS Measured Urban Soil Chemistry

Records within 50m	**1**

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.

Location	Arsenic (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Copper (mg/kg)	Nickel (mg/kg)	Lead (mg/kg)	Tin (mg/kg)	Sample Type
23m SW	63.3	4.4	720.5	302.3	53.0	2362.8	104.1	Topsoil

This data is sourced from the British Geological Survey.

22 Railway infrastructure and projects



Site Outline

Search buffers in metres (m)

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

22.1 Underground railways (London)

Records within 250m	0

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

This data is sourced from publicly available information by Groundsure.

22.2 Underground railways (Non-London)

Records within 250m	0

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

This data is sourced from publicly available information by Groundsure.

22.3 Railway tunnels

Records within 250m	0

Railway tunnels taken from contemporary Ordnance Survey® mapping.

This data is sourced from the Ordnance Survey®.

22.4 Historical railway and tunnel features

Records within 250m	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 158 >**

Location	Land Use	Year of mapping	Mapping scale
239m NE	Railway 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	15

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 158 >**

Location	Name	Type
84m SE		light_rail
85m SE	Not given	Multi Track
87m SE		light_rail
89m SE	Not given	Multi Track
105m SE		light_rail
109m SE		light_rail
112m E	Not given	Multi Track
123m S	Not given	Multi Track
143m SW		light_rail
145m SW		light_rail
175m E	Not given	Multi Track
176m E		light_rail
177m E		light_rail
247m E		light_rail
247m E		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.

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.

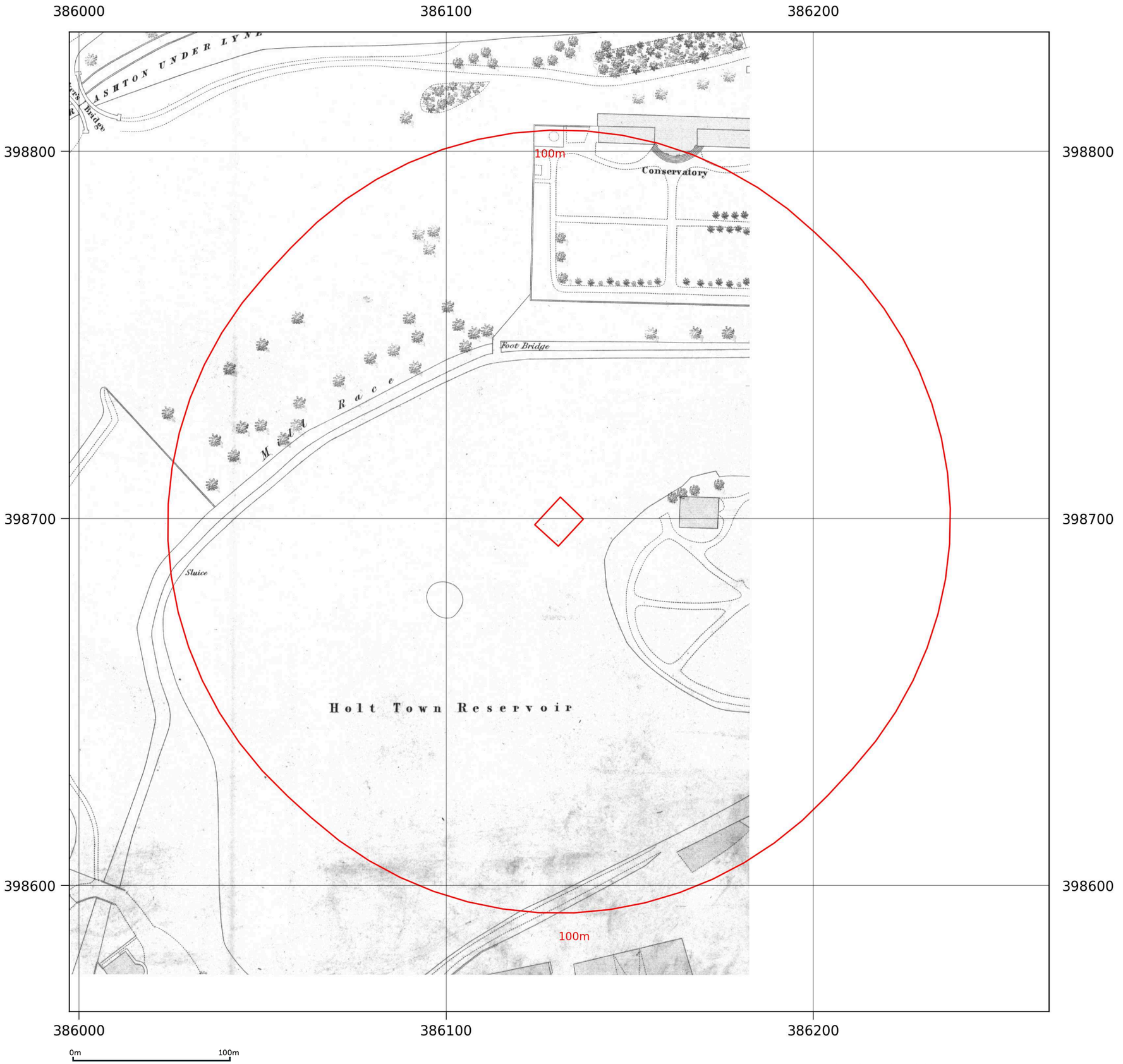
This data is sourced from HS2 ltd.

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 ↗.

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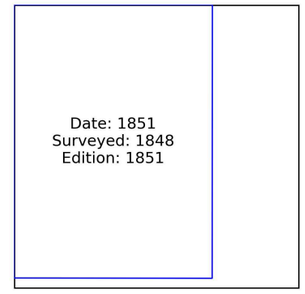
Map legend available at:
knowledge.groundsure.com/hubfs/groundsure_legend.pdf

Map Insight

Site details:	LAND ADJACENT TO 40, CAMBRIAN STREET, MANCHESTER, M40 7EG
Client ref:	Diamond
Report ref:	GS-3SK-1S7-ADP-EW7
Grid ref:	386130.78, 398699.11
Production date:	6 February 2026

Map name:	1056 Scale Town Plans
Map date:	1851
Scale:	1:1,056
Printed at:	1:1,056

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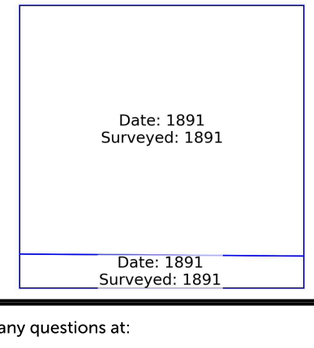
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Map Insight

Site details:	LAND ADJACENT TO 40, CAMBRIAN STREET, MANCHESTER, M40 7EG
Client ref:	Diamond
Report ref:	GS-3SK-1S7-ADP-EW7
Grid ref:	386130.78, 398699.11
Production date:	6 February 2026

Map name:	500 Scale Town Plans
Map date:	1891
Scale:	1:500
Printed at:	1:1,000

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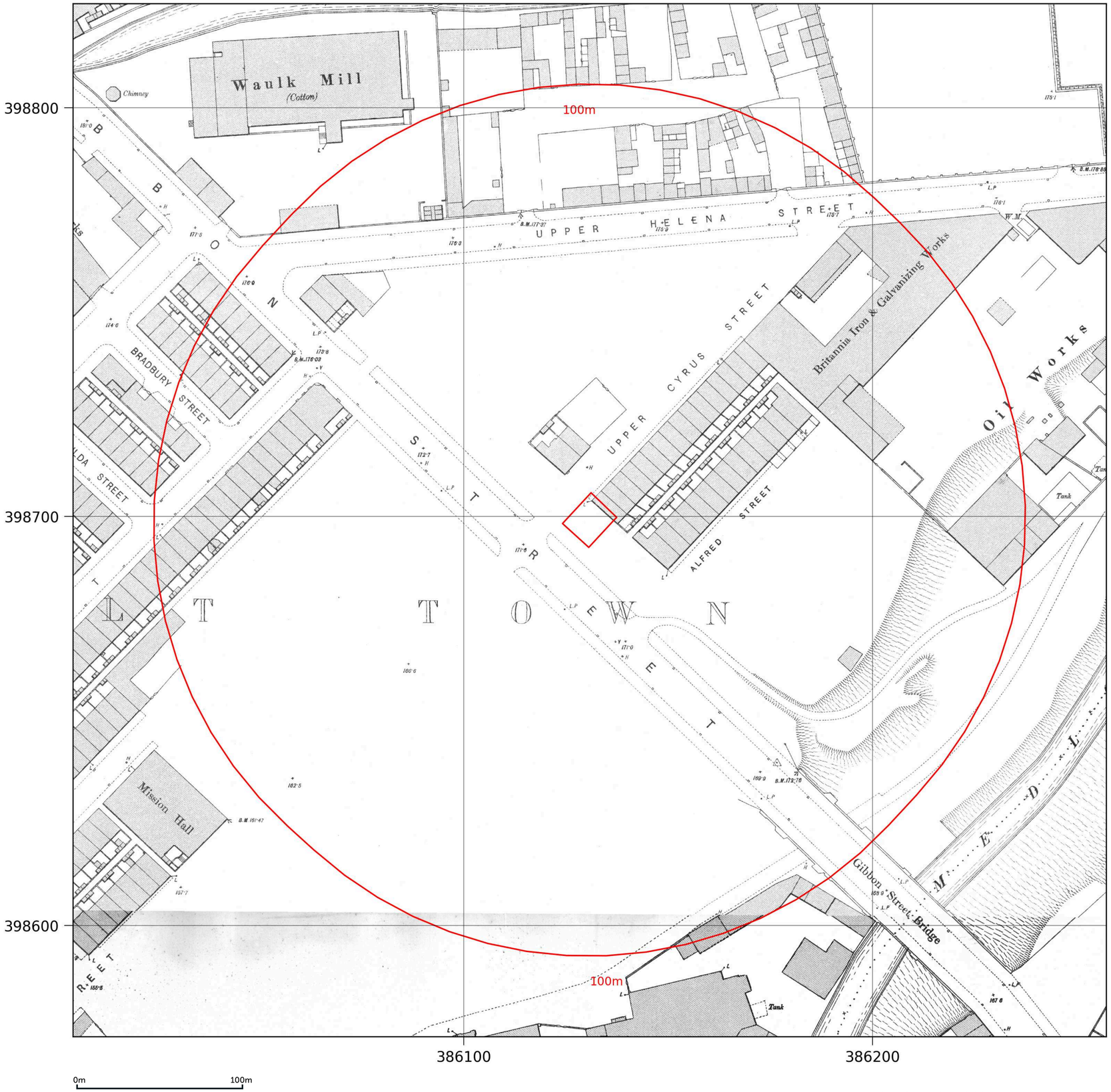
386100 386200

398800 398800

398700 398700

398600 398600

386100 386200



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Client ref:	Diamond
Report ref:	GS-3SK-1S7-ADP-EW7
Grid ref:	386130.78, 398699.11
Production date:	6 February 2026

Map name:	County Series
Map date:	1893
Scale:	1:2,500
Printed at:	1:2,500

N
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Date: 1893
Surveyed: 1893
Revised: 1893

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Client ref:	Diamond
Report ref:	GS-3SK-1S7-ADP-EW7
Grid ref:	386130.78, 398699.11
Production date:	6 February 2026

Map name:	County Series
Map date:	1908
Scale:	1:2,500
Printed at:	1:2,500

N
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S

Date: 1908
Surveyed: 1908
Revised: 1908

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385900 386000 386100 386200 386300 386400

399000 398900 398800 398700 398600 398500 398400

250m
100m
100m
250m

Raising Works
Sanitary Works (Manr. Corp.)
Waulk Mill (Cotton)
Brunswick Mill (Cotton)
Wellington Mill (Cotton)
Iron Works
Old Works
Engineering Works
Boiler Works
Gas Wks.
Gum Wks.
Finishing & Calendering Works
Bosnick Cotton Works
Chemical Works
Pottery
Mission Hall
Recreation Ground
Giblon Street Bridge
Holt Town Bridge
Basin
Wharf
Weir
Sanitary Sidings
Tanks
Iron Foundry
Fisher Mill
Congl. Ch.
School
P.O.
P.H.
Bank
Sun. Sch.
M.P
TRAMWAY
UPPER HELENA STREET
UPPER CYRUS STREET
ALFRED STREET
BEDSON STREET
HUTCHINS STREET
POTTERY ROW
FLINT ST.
BANK ST.
HADDON STREET
CHATSWORTH STREET
TUNSTALL STREET
BAKEWELL ST.
LYNE CANAL 17
3.596
59
956
16
1·309
B.M.184·0
B.M.182·2
B.M.175·9
B.M.172·8
B.M.153·8
B.M.161·5
B.M.183·4
B.M.173·7
B.M.185·5

0m 100m

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Client ref:	Diamond
Report ref:	GS-3SK-1S7-ADP-EW7
Grid ref:	386130.78, 398699.11
Production date:	6 February 2026

Map name:	County Series
Map date:	1922
Scale:	1:2,500
Printed at:	1:2,500

N
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Date: 1922
Surveyed: 1922
Revised: 1922

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399000 398900 398800 398700 398600 398500 398400

250m
100m
100m
250m

HOLT TOWN

UPPER HELENA STREET
UPPER CYRUS STREET
BEDSON STREET
HUTCHINS STREET
CHATSWORTH STREET
CONWAY STREET
FLINT ST.
POTTERY ROW
HADDON STREET
BAKEWELL ST.
CARLISLE STREET
BRANSON STREET
POLLARD STREET
MATILDA ST.
ADSWOOD ST.
KEYMER STREET
PURSLOW STREET
BRADSHAW ST.
WHITBY STREET
CAMBRIDGE ST.
HAYLEN ST.
BURNLEY STREET
MANGALL STREET
WOLSEY ST.
ST. CLATON ST.
TRAMWAY
BASIN
Wharf
Tanks
Chy.
Gas Stove Works (Manr. Corp.)
Sanitary Works (Manr. Corp.)
Union & Bengal Mills (Cotton)
Brunswick Mill (Cotton)
Wellington Mill (Cotton)
Star Boiler Works
Carbonic Acid Gas Works
Tank
Glass Wks.
Galvanizing Works
Oil Works
Sanitary Sidings
Weir
Dist. of Parly. Boro. & Ward Bdy.
Iron Foundry
School
Mission Hall
Recreation Ground
Finishing & Calendering Works
Rubber Works
Picker Mill
Picture Theatre
Holt Town Bridge
Congl. Church
Bank
Beaurick Cotton Works
Chemical Works
Pottery
Sun. School
P.H.
Manchester & Ashton Under Lyne Canal
Medlock
B.M.184·0
B.M.175·3
B.M.172·8
B.M.173·7
1146 5·180
1147 1·543
1148 2·261
1147 1·151
183
181
180
177
171
170
172

0m 100m

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Client ref:	Diamond
Report ref:	GS-3SK-1S7-ADP-EW7
Grid ref:	386130.78, 398699.11
Production date:	6 February 2026

Map name:	County Series
Map date:	1931
Scale:	1:2,500
Printed at:	1:2,500

N W E S

Date: 1931
Surveyed: 1931
Revised: 1931

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399000 398900 398800 398700 398600 398500 398400

250m 100m 100m 250m

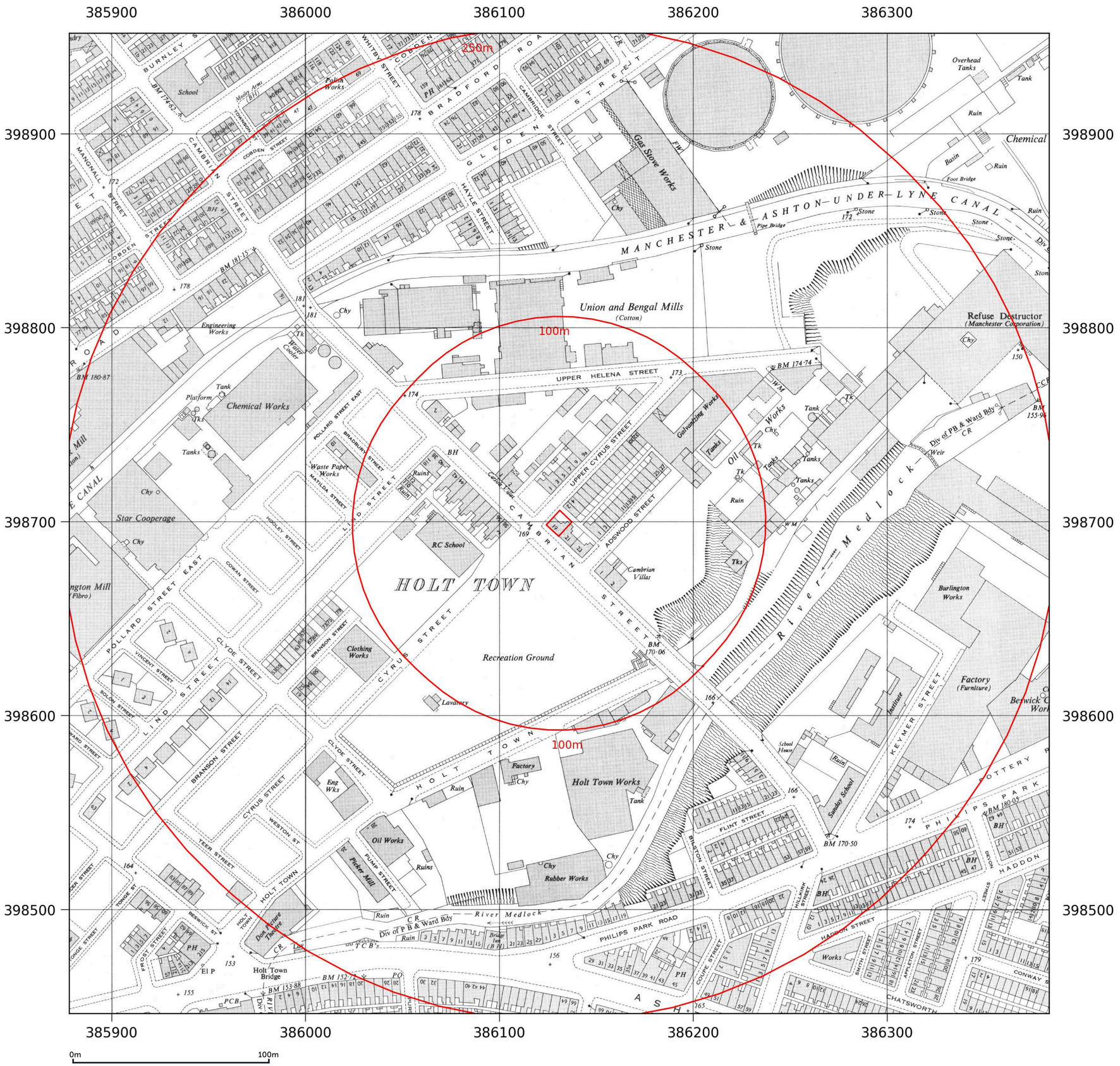
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Client ref:	Diamond
Report ref:	GS-3SK-1S7-ADP-EW7
Grid ref:	386130.78, 398699.11
Production date:	6 February 2026

Map name:	National Grid
Map date:	1948
Scale:	1:1,250
Printed at:	1:2,000

N
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Date: 1948
Surveyed: 1948
Revised: 1948
Levelled: 1929

Date: 1948
Surveyed: 1948
Revised: 1948
Levelled: 1929

Date: 1948
Surveyed: 1948
Revised: 1948
Levelled: 1929

Date: 1948
Surveyed: 1948
Revised: 1948
Levelled: 1929

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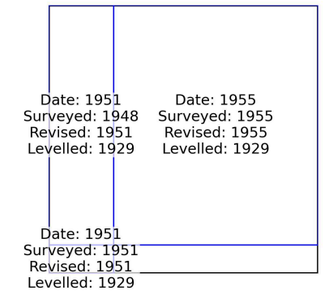
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Site details:	LAND ADJACENT TO 40, CAMBRIAN STREET, MANCHESTER, M40 7EG
Client ref:	Diamond
Report ref:	GS-3SK-1S7-ADP-EW7
Grid ref:	386130.78, 398699.11
Production date:	6 February 2026

Map name:	National Grid
Map date:	1951-1955
Scale:	1:1,250
Printed at:	1:2,000





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385900 386000 386100 386200 386300

398900 398800 398700 398600 398500

250m 100m 100m

0m 100m

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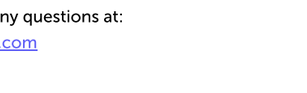
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Site details:	LAND ADJACENT TO 40, CAMBRIAN STREET, MANCHESTER, M40 7EG
Client ref:	Diamond
Report ref:	GS-3SK-1S7-ADP-EW7
Grid ref:	386130.78, 398699.11
Production date:	6 February 2026

Map name:	National Grid
Map date:	1955-1956
Scale:	1:1,250
Printed at:	1:2,000

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385900 386000 386100 386200 386300

398900 398800 398700 398600 398500

250m 100m 100m

0m 100m

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Client ref:	Diamond
Report ref:	GS-3SK-1S7-ADP-EW7
Grid ref:	386130.78, 398699.11
Production date:	6 February 2026

Map name:	National Grid
Map date:	1955-1958
Scale:	1:1,250
Printed at:	1:2,000



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Client ref:	Diamond
Report ref:	GS-3SK-1S7-ADP-EW7
Grid ref:	386130.78, 398699.11
Production date:	6 February 2026

Map name:	National Grid
Map date:	1958
Scale:	1:2,500
Printed at:	1:2,500

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385900 386000 386100 386200 386300 386400

399000 398900 398800 398700 398600 398500 398400

250m
100m
100m
250m

Works
Mills
Refuse Destructor
Pipe Bridge
Stone
Weir
Ward Bdy
Recreation Ground
Playground
Warehouse
Tank
Laundry
Ruin
Factory
Mill
Pub
School House
Cambrian County Primary School
St Anne's Boys School (R C)
St Mark's Sunday School
Refuse Destructor

MANCHESTER & ASHTON UNDER LYNE CANAL
River Medlock
HOLT TOWN
ASHTON NEW ROAD
UPPER HELENA STREET
BEDSON STREET
HOWLAND STREET
PHILIPS PARK ROAD
HADDON STREET
POTTERY ROW
CHATSWORTH STREET
CONWAY STREET
RAMWELL STREET
LOCKE STREET
CAMBRIAN STREET
KEYMER STREET
CYRUS STREET
CAVALIER STREET
PUNJAB STREET
BRADFORD ROAD
GOLDEN STREET
CATLIN STREET
HIMAN STREET
RIDGWAY STREET
CANTERBURY STREET
WHITBY STREET
HAYLE STREET
ROLLAND STREET EAST
MATILDA STREET
BRANNON STREET
UPPER CYRUS STREET
ADSWOOD STREET
COUPE STREET
BALDWIN STREET
BROWN STREET
ANSTON STREET
SMITH STREET
ANNIVERSARY STREET
CARLISLE STREET
NEW PROTECTION STREET

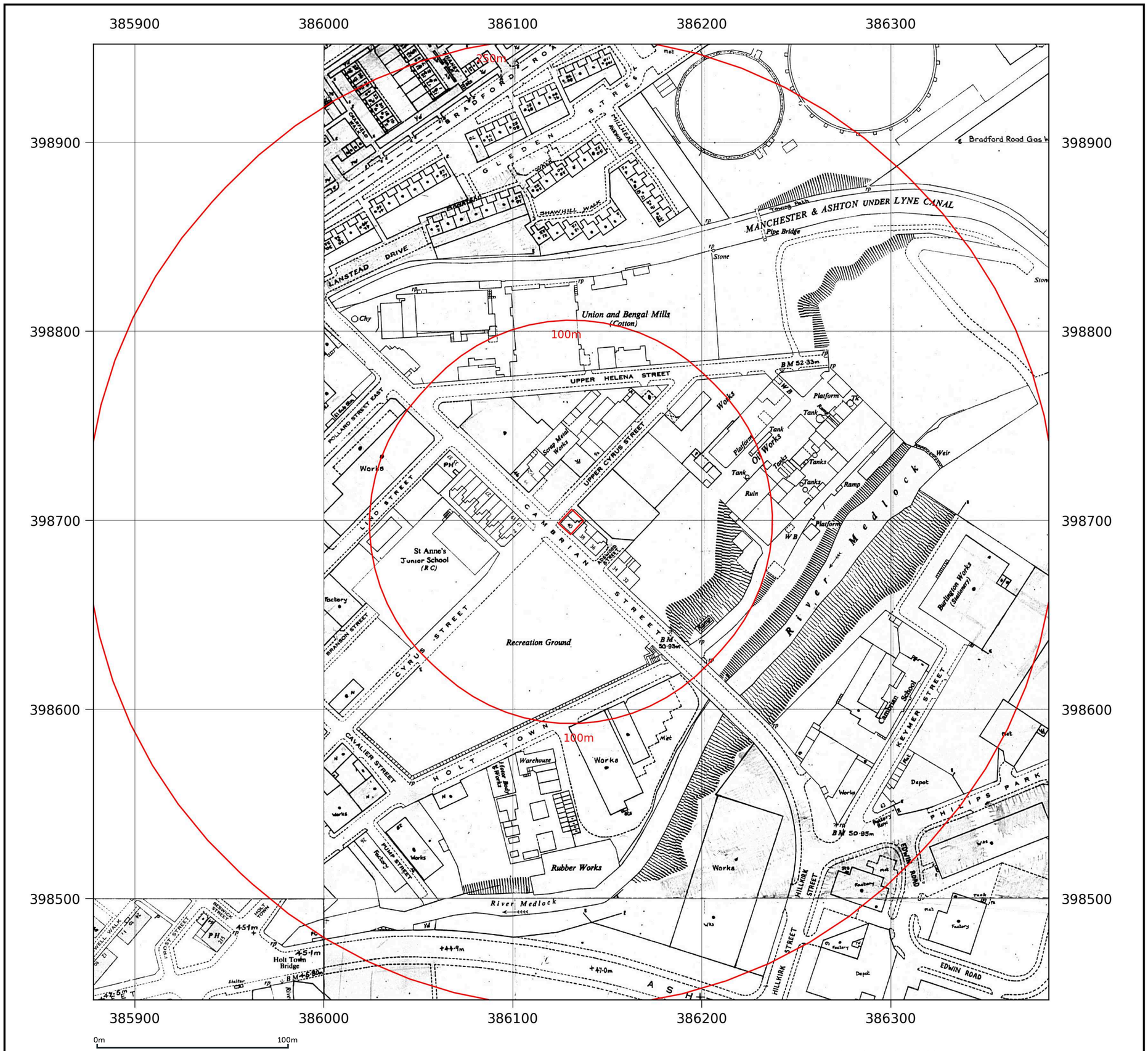
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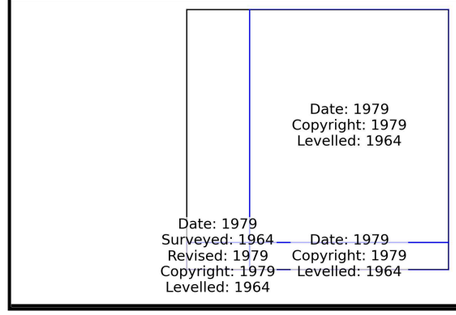
Map legend available at:
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Map Insight

Site details:	LAND ADJACENT TO 40, CAMBRIAN STREET, MANCHESTER, M40 7EG
Client ref:	Diamond
Report ref:	GS-3SK-1S7-ADP-EW7
Grid ref:	386130.78, 398699.11
Production date:	6 February 2026

Map name:	National Grid
Map date:	1979
Scale:	1:1,250
Printed at:	1:2,000

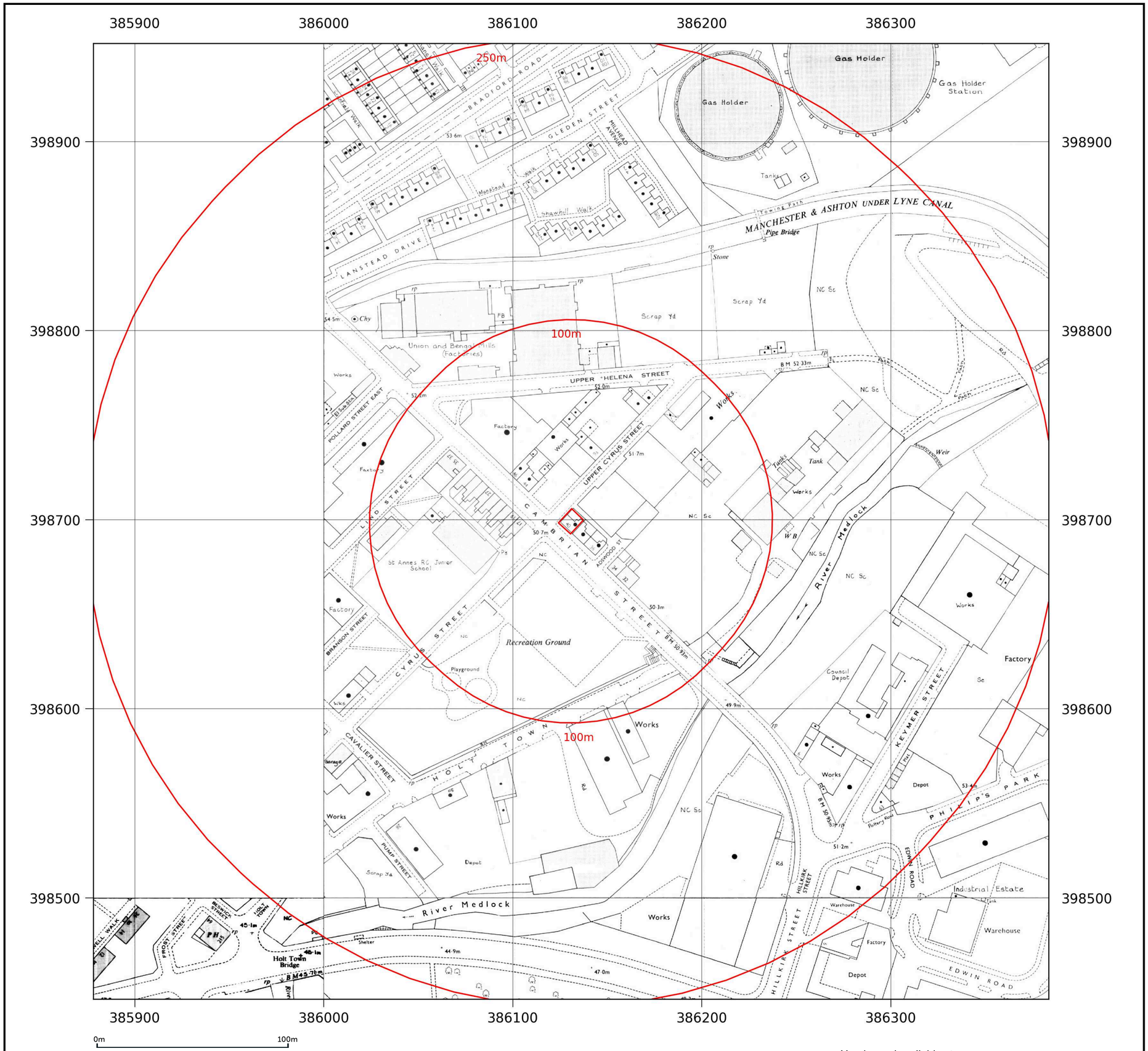
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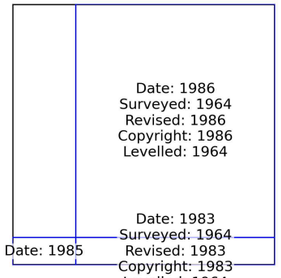
Map legend available at:
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Site details:	LAND ADJACENT TO 40, CAMBRIAN STREET, MANCHESTER, M40 7EG
Client ref:	Diamond
Report ref:	GS-3SK-1S7-ADP-EW7
Grid ref:	386130.78, 398699.11
Production date:	6 February 2026

Map name:	National Grid
Map date:	1983-1986
Scale:	1:1,250
Printed at:	1:2,000

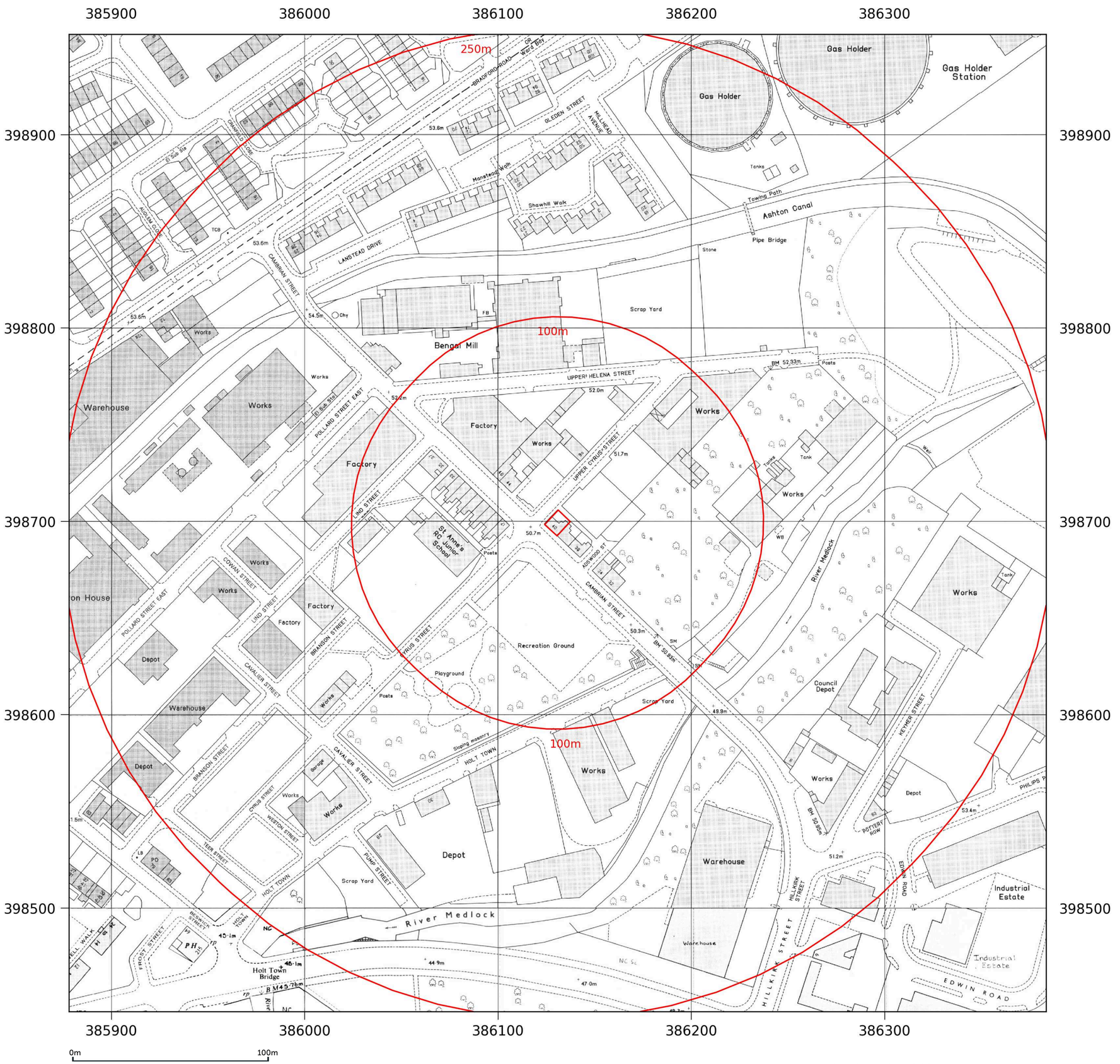
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Client ref:	Diamond
Report ref:	GS-3SK-1S7-ADP-EW7
Grid ref:	386130.78, 398699.11
Production date:	6 February 2026

Map name:	National Grid
Map date:	1986-1989
Scale:	1:1,250
Printed at:	1:2,000

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Date: 1989
Surveyed: 1948
Revised: 1989
Copyright: 1989

Date: 1989
Surveyed: 1948
Revised: 1988
Copyright: 1989
Levelled: 1964

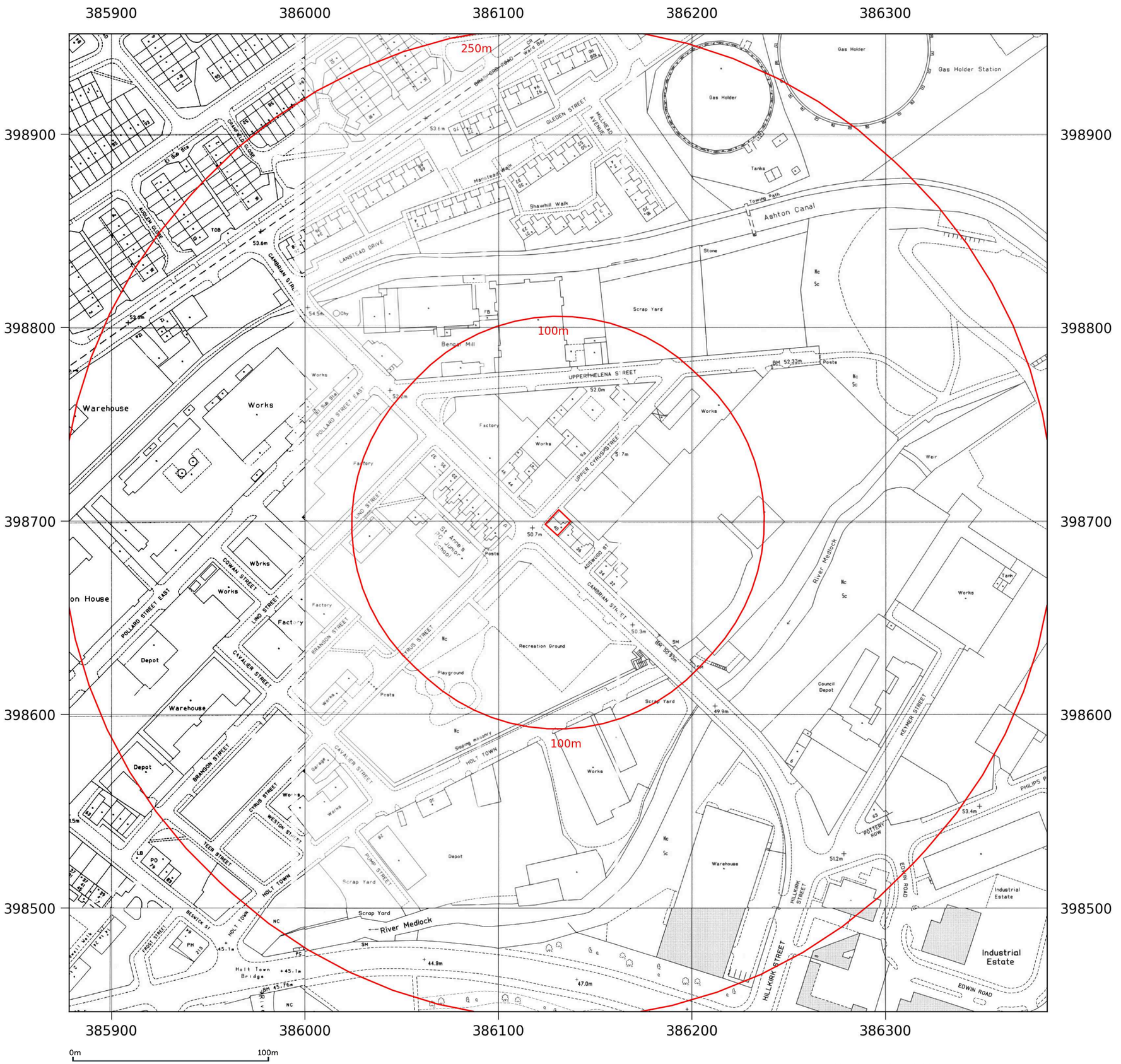
Date: 1989
Surveyed: 1964
Revised: 1989
Copyright: 1989
Levelled: 1964

Date: 1986
Surveyed: 1964
Revised: 1986
Copyright: 1986
Levelled: 1964

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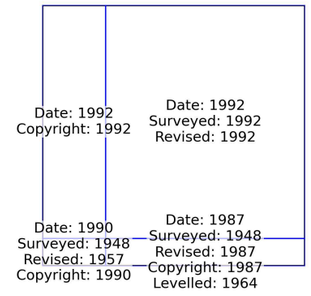
Map legend available at:
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Map Insight

Site details:	LAND ADJACENT TO 40, CAMBRIAN STREET, MANCHESTER, M40 7EG
Client ref:	Diamond
Report ref:	GS-3SK-1S7-ADP-EW7
Grid ref:	386130.78, 398699.11
Production date:	6 February 2026

Map name:	National Grid
Map date:	1987-1992
Scale:	1:1,250
Printed at:	1:2,000

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Client ref:	Diamond
Report ref:	GS-3SK-1S7-ADP-EW7
Grid ref:	386130.78, 398699.11
Production date:	6 February 2026

Map name:	National Grid
Map date:	1988-1992
Scale:	1:1,250
Printed at:	1:2,000

N W E S

Date: 1992
Copyright: 1992

Date: 1990
Surveyed: 1964
Revised: 1990
Copyright: 1990
Levelled: 1964

Date: 1988

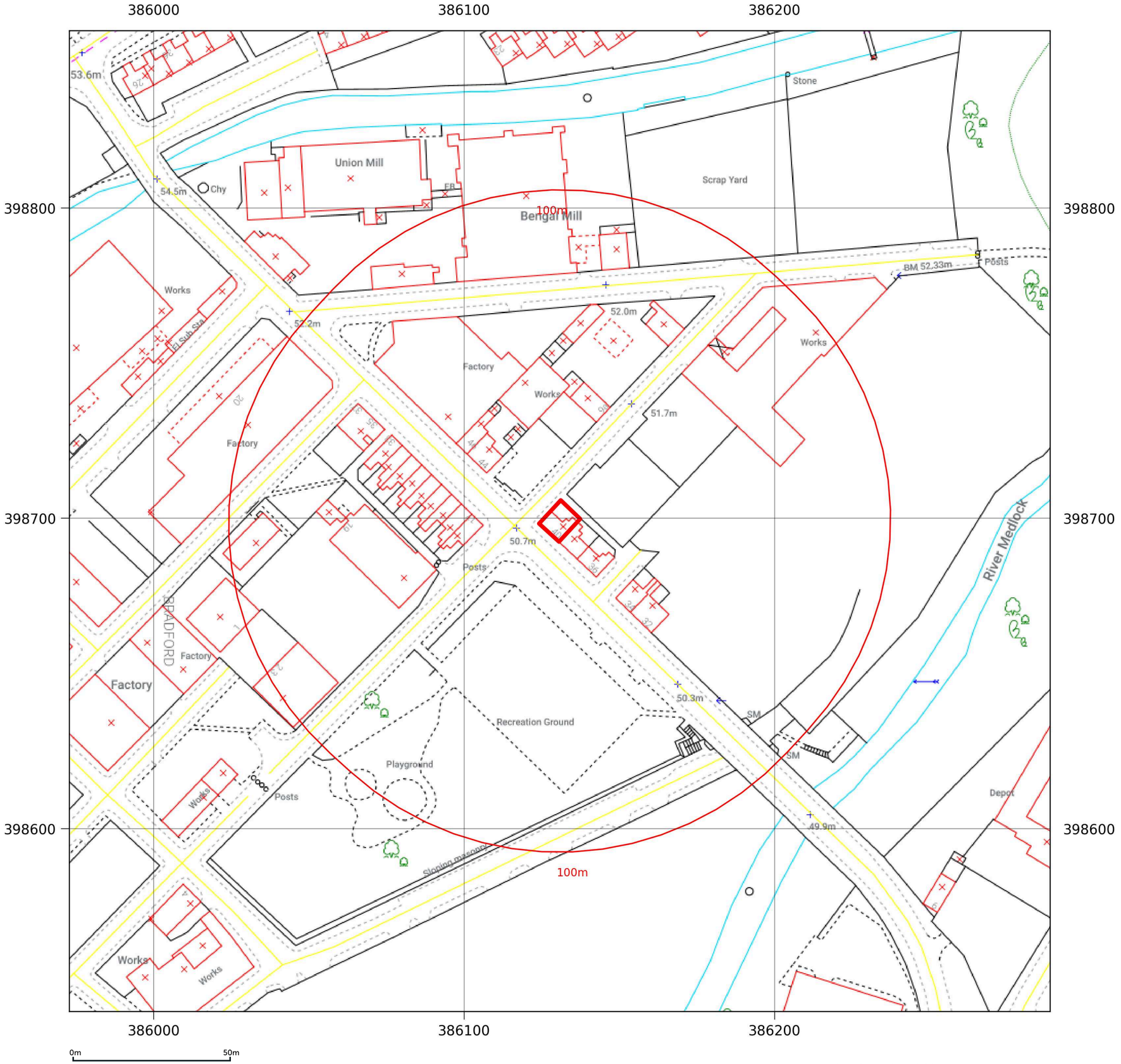
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Map legend available at:
knowledge.groundsure.com/hubfs/groundsure_legend.pdf

Map Insight

Site details:	LAND ADJACENT TO 40, CAMBRIAN STREET, MANCHESTER, M40 7EG
Client ref:	Diamond
Report ref:	GS-3SK-1S7-ADP-EW7
Grid ref:	386130.78, 398699.11
Production date:	6 February 2026

Map name:	LandLine
Map date:	2003
Scale:	1:1,250
Printed at:	1:1,250

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Date: 2003

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Appendix 3 – Site Walkover Photographs

Northwest boundary looking north then south



Northeast boundary looking east then west



Southeast boundary looking south then north



Southwest boundary looking west the east



Looking across the site from the southwest corner to southeast and southwest to southeast



Appendix 4 – Conceptual Model Risk Assessment

A Preliminary Risk Assessment is usually undertaken as part of a desk study, outlines potential risks posed by potential contamination to all receptors by defining plausible "pollution linkages" and developing a preliminary conceptual model (PCM).

The purpose of this model is to define all possible complete pollution linkages, where the requisite source – pathway – target elements are present, and these elements being defined as:

- a contaminant (source) is a hazardous substance or agent, present at levels that have the potential to cause harm or damage a receptor
- a pathway is the means by or through which a contaminant comes into contact with, or otherwise affects, the receptor
- a receptor (target) is an entity (human being, aquatic environment, flora and fauna etc) that is vulnerable to the adverse effects of the contaminant

This relationship is termed a "pollution linkage". It should be recognised that for a health or environmental risk to exist, all three elements of the relationship or linkage must be present, i.e.

- if there is no contaminant, or contaminant present at levels below those considered to be harmful or damaging to a receptor, then there can be no adverse effect on a receptor
- if there is no receptor present that can be adversely affected by a contaminant, no harm or damage can arise
- even where both a contaminant and a receptor are present, no harm or damage will occur if there is no pathway by or through which a linkage between the two can be established

The absence of one or more of each component (source, pathway, receptor) would prevent a pollutant linkage being established and there would be no significant environmental risk.

Consequence of Risk

CLASSIFICATION	DEFINITION	EXAMPLES
Severe	Highly elevated concentrations likely to result in "significant harm" to human health as defined by the EPA 1990, Part 2A, if exposure occurs. Equivalent to EA Category 1 pollution incident including persistent and/or extensive effects on water quality; leading to closure of a potable abstraction point; major impact on amenity value or major damage to agriculture or commerce. Short term risk of pollution of sensitive (H1/H2) water resource. Major damage to aquatic or other ecosystems, which is likely to result in a substantial adverse change in its functioning or harm to a species of special interest that endangers the long-term maintenance of the population. A short term risk to a particular ecosystem, or organism forming part of such ecosystem. Catastrophic damage to crops, buildings or property.	Significant harm to humans is defined in circular 01/2006 as death, disease, serious injury, genetic mutation, birth defects or the impairment of reproductive functions. Major fish kill in surface water from large spillage of contaminants from site. Highly elevated concentrations of List I and II substances present in groundwater close to small potable abstraction (high sensitivity). Explosion, causing building collapse (can also equate to immediate human health risk if buildings are occupied).
Medium	Elevated concentrations which could result in "significant harm" or "significant possibility of significant harm" to human health as defined by the EPA 1990, Part 2A if exposure occurs. Equivalent to EA Category 2 pollution incident including significant effect on water quality; notification required to abstractors; reduction in amenity value or significant damage to agriculture or commerce. Pollution of a highly sensitive (H1/H2) water resource. Significant damage/change to aquatic or other ecosystems, which may result in a substantial adverse change in its functioning or harm to a species of special interest that may endanger the long-term maintenance of the population. Significant damage to crops, buildings or property.	Significant harm to humans is defined in circular 01/2006 as death, disease, serious injury, genetic mutation, birth defects or the impairment of reproductive functions. Damage to building rendering it unsafe to occupy e.g. foundation damage resulting in instability. Ingress of contaminants through plastic potable water pipes.
Mild	Exposure to human health unlikely to lead to "significant harm". Equivalent to EA Category 3 pollution incident including minimal or short lived effect on water quality; marginal effect on amenity value, agriculture or commerce. Pollution of moderately sensitive (M1/M2) water resources. Minor or short lived damage to aquatic or other ecosystems, which is unlikely to result in a substantial adverse change in its functioning or harm to a species of special interest that would endanger the long-term maintenance of the population.	Exposure could lead to slight short-term effects (e.g. mild skin rash). Surface spalling of concrete.

	Significant damage to crops, buildings, structures and services ("significant harm" as defined in Circular 1/2006).	
Minor	No measurable effect on humans. Equivalent to insubstantial pollution incident with no observed effect on water quality or ecosystems. Repairable effects of damage to buildings, structures and services. Pollution of low sensitive (L1/L2) water resource. Harm, although not necessarily significant harm, which may result in a financial loss, or expenditure to resolve. Non-permanent health effects to human health (easily prevented by means such as personal protective clothing etc). Easily repairable effects of damage to buildings, structures and services.	The loss of plants in a landscaping scheme. Discoloration of concrete.

Probability of Risk Occurring

CLASSIFICATION	DEFINITION	EXAMPLES
High Likelihood	There is pollutant linkage and an event would appear very likely in the short-term and almost inevitable over the long-term, or there is evidence at the receptor of harm or pollution.	a) Elevated concentrations of toxic contaminants are present in soils in the top 0.5m in a residential garden. b) Ground/groundwater contamination could be present from chemical works, containing a number of USTs, having been in operation on the same site for over 50 years.
Likely	There is pollutant linkage and all the elements are present and in the right place which means that it is probable that an event will occur. Circumstances are such that an event is not inevitable, but possible in the short-term and likely over the long-term.	a) Elevated concentrations of toxic contaminants are present in soils at depths of 0.5-1.0m in a residential garden, or the top 0.5m in public open space. b) Ground/groundwater contamination could be present from an industrial site containing a UST present between 1970 and 1990. The tank is known to be single skin. There is no evidence of leakage although there are no records of integrity tests.
Low Likelihood	There is pollutant linkage and circumstances are possible under which an event could occur. However, it is by no means certain that even over a long period such an event would take place, and is less likely in the shorter term.	a) Elevated concentrations of toxic contaminants are present in soils at depths >1m in a residential garden, or 0.5-1.0m in public open space. b) Ground/groundwater contamination could be present on a light industrial unit constructed in the 1990s containing a UST in operation over the last 10 years – the tank is double skinned but there is no integrity testing or evidence of leakage.
Unlikely	There is pollutant linkage but circumstances are such that it is improbable that an event would occur even in the very long-term.	a) Elevated concentrations of toxic contaminants are present below hardstanding. b) Light industrial unit <10 yrs old containing a double skinned UST with annual integrity testing results available.

Calculation of Risk

		CONSEQUENCE			
		Severe	Medium	Mild	Minor
PROBABILITY	High Likelihood	Very High Risk	High Risk	Moderate Risk	Moderate / Low Risk
	Likely	High Risk	Moderate Risk	Moderate / Low Risk	Low Risk
	Low Likelihood	Moderate Risk	Moderate / Low Risk	Low Risk	Very low Risk
	Unlikely	Moderate / Low Risk	Low Risk	Very low Risk	Very low Risk

Appendix 5 Report limitations and exclusions

Basis of Risk Assessment

The methods used follow a risk-based approach with the potential risk assessed using the 'Source – pathway – receptor pollution linkage concept.

Limitations and Exceptions of this Report

This report was undertaken for at the request of Diamond Investments Ltd and as such should not be entrusted to any third party without written permission of ***Martin Environmental Solutions***. No other third parties may rely upon or reproduce the contents of this report without the written permission of ***Martin Environmental Solutions***. If any unauthorised third party comes into possession of this report, they rely on it at their own risk and the authors do not owe them any duty of care or skill.

This report has been compiled from a number of sources, within the time constraints of the programme, which ***Martin Environmental Solutions*** believes to be trustworthy. However, ***Martin Environmental Solutions*** is unable to guarantee the accuracy of information provided by third parties.

The findings and opinions provided in this document are made in good faith and are based on data provided by third parties (Groundsure, Environment Agency, The Coal Authority, and Regulatory Bodies) and the report should be read in conjunction with the limitations on the document control form. The accuracy of map extracts cannot be guaranteed and it should be recognised that different conditions on /adjacent to the site may have existed between and subsequent to the various map surveys.

This report is prepared and written in the context of the purposes stated above and should not be used in a different context. Furthermore, new information, improved practices and legislation may necessitate an alteration to this report in whole or in part after its submission.

The conclusions and recommendations of this report are based on the development described, for any other development the report may require revision.

All of the comments and opinions contained in this report, including any conclusions, are based on the information obtained by ***Martin Environmental Solutions***. The conclusions

drawn by ***Martin Environmental Solutions*** could therefore differ if the information obtained is found to be misrepresentative, inaccurate, or misleading. ***Martin Environmental Solutions*** reserves the right to amend their conclusions and recommendations in the light of further information that may become available.

The report should be read in its entirety, including all associated drawings and appendices.

Martin Environmental Solutions cannot be held responsible for any misinterpretations arising from the use of extracts that are taken out of context.

This report does not comprise a geotechnical assessment of the strata underlying the site.

Any borehole data from the British Geological Survey sources is included on the following basis: 'The British Geological Survey accept no responsibility for omissions or misinterpretations of the data from their Data Bank as this may be old or obtained from non-BGS sources and may not represent current interpretation'.

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Any risks identified in a Phase I Desk Study Report are perceived risks. Actual risks can only be assessed following a physical investigation of the site.

The findings of this report are based on finite information obtained from research and consultations. Martin Environmental Solutions cannot guarantee the reliability of all such information and the searches should not be considered exhaustive. The findings of the report may need to be reviewed as any future exploratory investigations progress and in the event that additional archive information becomes available.

Notwithstanding the findings of this study (and any subsequent investigations), if any indication of contaminated soil (visual or olfactory) is encountered at any stage of the development further investigation may be required.

Arboricultural Survey and advice on arboricultural issues are considered to be outside the scope of this report except for their effect on the foundations to the proposed buildings.

Where identification of any species is made, especially invasive plants such as Japanese Knotweed, Himalayan Balsam or Giant Hogweed, this should only be considered as a preliminary assessment and subject to confirmation by a professional Arboriculturist. Martin Environmental Solutions takes no responsibility for failing to identify, or the incorrect identification of, any tree or plant species on site.

Our investigations exclude surveys to identify the presence or indeed absence of asbestos in buildings/infrastructure on site. If asbestos is suspected to be present, we recommend specialists in the identification and control / disposal of asbestos are appointed prior to commencement of any works on site or, if appropriate, purchase of the site. The presence of asbestos on site may have considerable effects on the cost / timescale in developing the site. There is good guidance in relation to Asbestos available on the Health and Safety Executive (HSE) web site.

Whilst a site walkover has been undertaken as part of this report, the survey does not constitute either an asbestos or structural survey and all areas of the site may not have been visited / inspected.