EARTH ENVIRONMENTAL
& GEOTECHNICAL
A Technics Group Company

Phase I Geo-Environmental Desk Study Report

Castle House

Brentry Avenue

Bristol

BS5 0DL

Report Ref: B5065/25/DTS

July 2025

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PHASE I GEO-ENVIRONMENTAL DESK STUDY REPORT

CASTLE HOUSE

BRENTRY AVENUE

BRISTOL

BS5 0DL

REPORT REF: B5065/25/DTS

JULY 2025

Prepared on Behalf of:

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By:

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DISTRIBUTION:

1 electronic copy Evans AG Staging Ltd

PHASE I GEO-ENVIRONMENTAL DESK STUDY REPORT

Castle House, Brentry Avenue, Bristol, BS5 0DL

Report Reference: B6065/25/DTS

Version B.0

Date: 3rd July 2025

Prepared for: Evans AG Staging Ltd

Prepared by: Earth Environmental & Geotechnical (Southern) Ltd
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Written by: [redacted]
Senior Geo-Environmental Consultant

Approved by: [redacted]
Regional Director

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1.0 INTRODUCTION

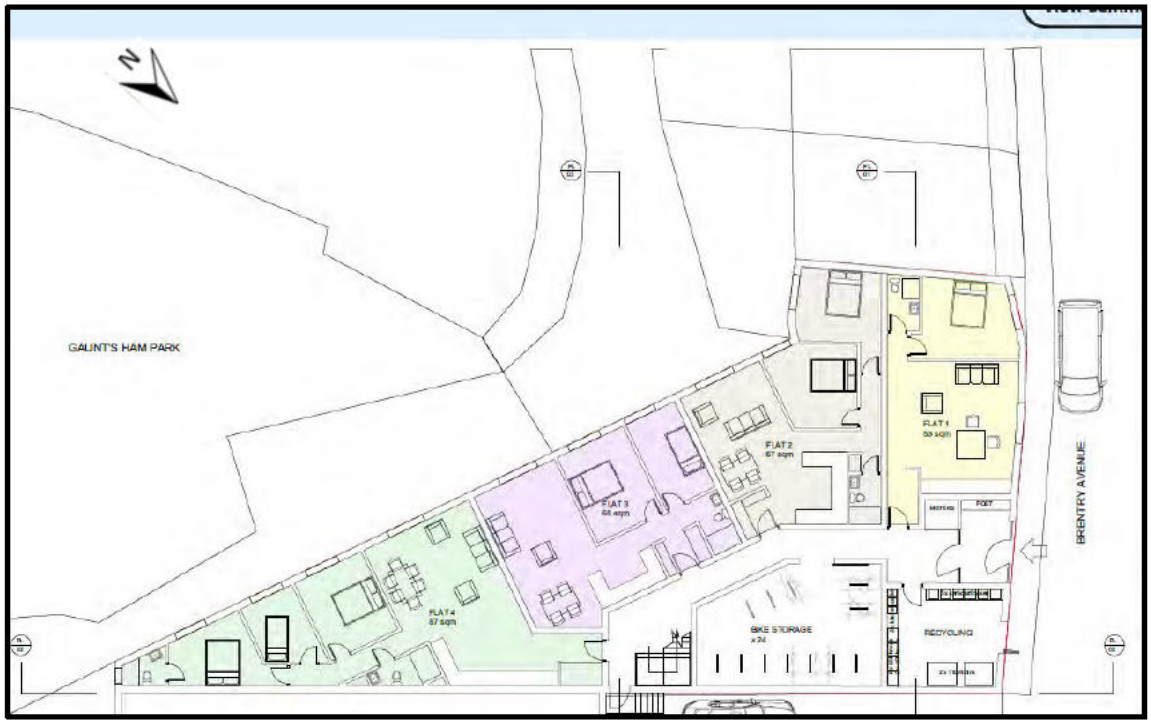
1.1 Background

Earth Environmental & Geotechnical (Southern) Ltd (EEGSL) was commissioned by Evans AG Staging Ltd (the 'Client'), to undertake a Phase I Geo-Environmental Desk Study assessment at Castle House, in Bristol.

1.2 Proposed Development

It is understood the proposed development will comprise the partial demolition of the existing building, (with the existing front façade being retained), and to erect a three-storey building comprising 13no. self-contained flats.

Figure 1 – Proposed Development Layout Details (Ground Floor)



1.3 Terms of Reference

EEGSL was commissioned by the Client to undertake a Phase I Geo-Environmental Desk Study for the site in accordance with a proposal reference B5065, dated 13th June 2025.

The objectives of this assessment are as follows:

- Undertake a desk based study of the geology of site, including contamination sources, radon potential, natural cavities, surface workings and mining activity. As part of this study historical plans would be obtained.
- Assess the implications of any potential environmental risks, liabilities and development constraints associated with the site in relation to the future use of the site and in relation to off-site receptors.

1.4 Sources of Information

The Phase 1 Desk Study comprises of a review of the following information sources:

- British Geological Survey online maps.
- Google Earth imagery.
- Historical USAAF Aerial Photographs.
- Environment Agency online data.
- Historical Ordnance Survey maps.
- British Geological Survey England and Wales.
- Groundsure Enviro+Geo Insight Report 'Castle House, Brentry Avenue, Lawrence Hill, Bristol, Bristol City, BS5 0DL', reference GS-XQK-NYC-3X8-VHP (13/06/2025).

1.5 Limitations of the Study

The report is written in the context of an agreed scope of work and budget and should not be used in a different context. New information, improved practices or changes in legislation may require a reinterpretation of the report in whole or in part. EEGSL reserve the right to amend either conclusions or recommendations in light of any further information that may become available. The report is provided for the sole use by the client and is confidential to them.

Recommendations within this report are also based on records produced by others. It is assumed this information is accurate and no liability can be accepted for the accuracy of this information.

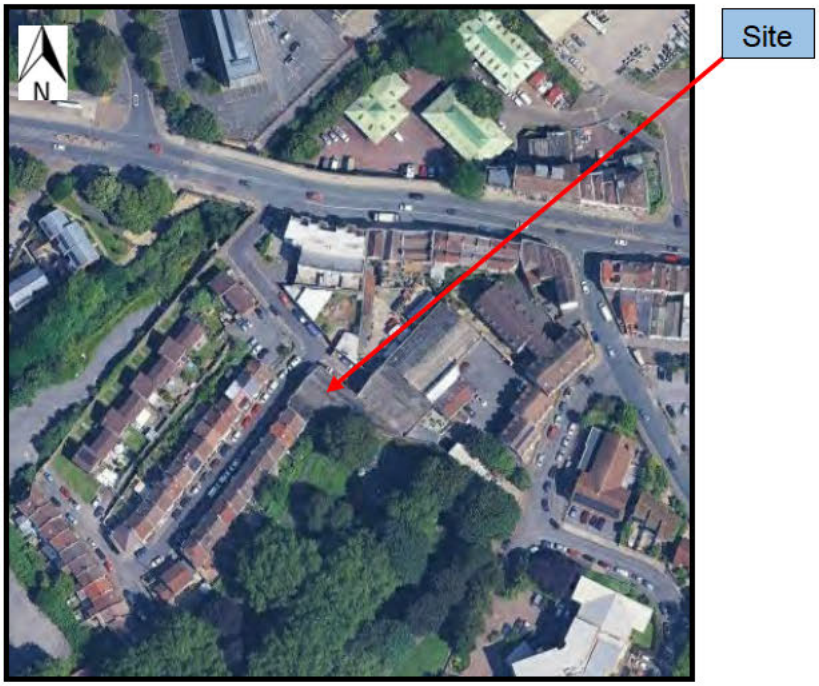
2.0 SITE LOCATION & DESCRIPTION

The site is located at Castle House, Brentry Avenue, in Bristol at National Grid Reference 360699 173317 and with a nearest postcode of BS5 0DL. The site location is shown in Figure 2 below.

Figure 2 – Site Location Plan

The site is currently occupied a three-storey industrial building. The site and surrounding area is shown in Figure 3 below.

Figure 3 – Aerial Photograph Showing Site & Surrounding Area



General site photographs are presented below in Figure 4.

Figure 4 – General Site Photographs

BACK OF EXISTING BUILDING FROM GAUNT'S HAM PARK

SIDE OF EXISTING BUILDING. ACCESS FROM BRENTRY AV

The site is surrounded by industrial and commercial properties to the north and east, residential properties to the west and parkland to the south. The boundaries of the site can be summarised as follows:

Table 1 – Summary of Site Boundaries

Boundary	Adjacent Land Use
North	Warehouse
East	Garage
West	Brentry Avenue with Residential properties beyond
South	Parkland

3.0 GEOLOGICAL SETTING

The geology of the site is covered by British Geological Survey (BGS) online data and the site-specific Groundsure Insight Report (Appendix 1).

The following sections are generally limited to locations within 250m of the site unless it is considered that installation or activities beyond that range could potentially have an impact on the site or its redevelopment.

3.1 Geology

The Groundsure report indicates that the site is not underlain by artificial ground (Made Ground) or superficial deposits.

According to the British Geological Survey (BGS), the site is underlain by the Redcliffe Sandstone Member of the Triassic Period.

The Redcliffe Sandstone Member is described as sandstone, distinctive fine- to medium-grained, deep red, calcareous and ferruginous. Commonly decalcified at shallow depths below the surface, giving rise to an uncemented sand.

There are no geological faults within 250m of the site.

There are 12 records of historical BGS boreholes within 250m of the site. The nearest accessible record relates to a borehole located 165m north-west of the site (BGS ref: ST67SW76) and records the following sequence:

0.00-6.85mbgl	Made Ground.
6.85-27.94mbgl	Interbedded SILTSTONE and SANDSTONE.
27.94-29.36mbgl	GRIT and BRECCIA.
29.36-45.31mbgl	Interbedded SANDSTONE and MUDSTONE.
45.31-46.63mbgl	MUDSTONE with COAL bands.
46.63-53.34mbgl	MUDSTONE and SANDSTONE.
53.34-54.00mbgl	SHALE.
54.00-59.84mbgl	MUDSTONE with COAL bands.
59.84-60.96mbgl	SANDSTONE.

3.2 Natural Ground Subsidence

The site is located in an area where the hazard ratings for ground stability are as follows:

Shrink Swell Clays	Negligible
Running Sands	Low
Compressible Deposits	Negligible
Collapsible Deposits	Very Low
Landslides	Very Low
Ground Dissolution of Soluble Rocks	Negligible

3.3 Radon Potential

The site is located in a Radon Affected Area in which less than 1% of properties are expected to be above the Action Level. Radon protection measures are not required.

3.4 Soil Chemistry

There is 1 estimated soil chemistry record on site, the results of which are shown in Table 2 below.

Table 2 – Soil Chemistry Records

Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
15-25 mg/kg	100-200 mg/kg	60-120 mg/kg	1.8 mg/kg	60-90 mg/kg	15-30 mg/kg

All the above chemicals: (arsenic, cadmium, chromium, nickel or lead) have estimated concentrations on site that are below the recognised screening levels based on Defra C4SL Health Criteria Values(March 2014) and LQM/CIEH Suitable 4 Use Levels(2015) for the relevant residential setting, shown in the table below.

Table 3 – Soil Screening Levels

Determinant	C4SL/S4UL Levels (mg/kg)*	
	Residential with homegrown produce	Residential without homegrown produce
Arsenic	37	40
Cadmium	26	149
Chromium	910	910
Lead	200	310
Nickel	180	180

3.5 Mining, Ground Workings & Natural Cavities

The assessment site is not located within gypsum, brine, tin, or clay mining areas.

The site is located within a coal mining reporting area as defined by the Mining Remediation Authority. The site is not located within a Development High Risk Area (DHRA).

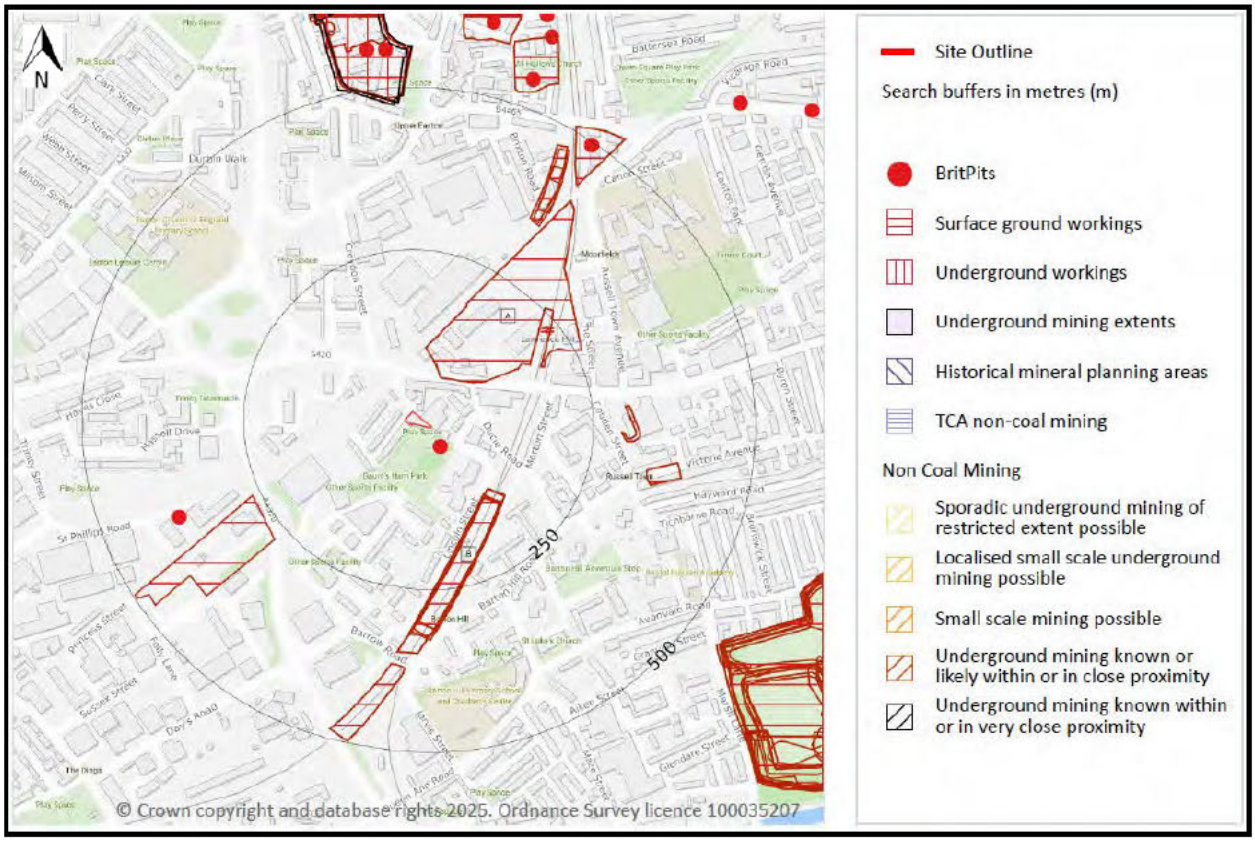
A single BritPit Is located within 250m of the site. This is recorded 33m south-east of the site and relates to Lawrence Hill Pit, a ceased deep coal pit.

There are 14 surface ground workings located within 250m of the site boundary. The nearest of which was for a brick yard mapped in 1890 located 68m north-east of the site. Cuttings are also noted from 128m to the south-east of the site.

There are no underground workings, non-coal mining records or cavities within 250m of the site.

Figure 5 below indicates locations of ground workings activities in the surrounding area.

Figure 5 – Ground Workings in Surrounding Area



4.0 ENVIRONMENTAL SETTING

Environmental conditions are covered by Environment Agency (EA) and British Geological Survey (BGS) online data, and the site-specific Groundsure Insight report (Appendix 1).

The following sections are generally limited to locations within 250m of the school site boundary unless it is considered that installations or activities beyond that range could potentially have an impact on the site or its redevelopment.

4.1 Industrial Land Use Information

Historical and current industrial land usage on-site and within 250m of the site is summarised in Table 4 below:

Table 4 - Summary of Industrial Land Use

Description	On-Site	Records within 250m of site	Details of nearest Record
Historical Industrial Land Uses	0	170	Nearest off site: 52m NW - Railway sidings (1938)
Historical Tanks	0	31	Nearest off site: 112m N – Unspecified tank (1990)
Historical Energy Features	0	18	Nearest off site: 159m SW – Electricity substation (1997)
Historical Petrol Station	0	1	Nearest off site: 27m N – Filling station (1984)
Historical Garage	0	0	-
Historical Military Land	0	0	-
Historical Railway and Tunnel Features	0	109	Nearest off site: 40m NW - Railway sidings (1884)
Historical Railways	0	7	Nearest off site: 63m NW – Razed railway
Recent Industrial Land Use	0	19	Nearest off site: 87m E – Ducie Road Business Park
Current/Recent Petrol Stations	0	1	Nearest off site: 57m N – Obsolete Petrol Station
Electricity Cables	0	0	-
Gas Pipelines	0	0	-
Current Railway Features	0	17	Nearest off site: 126m E – Bristol and South Wales Union Line

4.2 Waste and Landfill Sites

According to Groundsure, there is a single historical waste site located within 250m of the site. This is located 208m north-east of the site and was registered as a scrap yard in 1966. There are 4 licensed waste sites located within 250m of the site. The nearest of which is located 110m north-east of the site and registered as a metal recycling site in 1994. The license has now expired.

According to Groundsure, there are no records of active or historical landfill within 250m of the assessment site.

There are 17 waste exemptions located within 250m of the site, the nearest being located 66m north at an unnamed location and described as ‘storage of waste in a secure place’.

4.3 Environmental Permits, Incidents and Registers

Table 5 below details environmental permits, incidents and registers within 250m of the site.

Table 5 - Environmental Permits, Incidents and Registers Within 250m of the Site

Permit/Incident/Register	On Site	Within 250m of Site	Details
Sites Determined as Contaminated Land under Part 2A EPA1990	0	0	-
Dangerous or Hazardous (COMAH and NIHHS) Sites	0	0	-
Regulated Explosive Sites	0	0	-
Hazardous Substance Storage/Usage	0	0	-
Historical Licensed Industrial Activities (IPC)	0	0	-
Licensed Industrial Activities Part A (1)	0	0	-
Licensed Pollutant Release Part A (2) and Part B	0	2	Nearest off-site – 154m NE at Elf Lawrence Hill for petrol vapor recovery. Status: Historical.
Radioactive Substance Authorisations	0	0	-
Licensed Discharge to Controlled Waters	0	2	Nearest off-site – 109m S at Peters Terrace near Gaunt's Ham Park for sewage discharges - sewer storm overflow – water company. Status: Surrendered under EPR 2010.
Pollutant Release to surface waters (Red List)	0	0	-
Pollutant Release to Public Sewer	0	0	-
List 1 Dangerous Substances	0	0	-
List 2 Dangerous Substances	0	0	-
Pollution Incidents (EA/NRW)	0	0	-
Pollution Inventory Substances / Waste Transfers/ Radioactive Waste	0	0	-

4.4 Hydrogeology and Hydrology

The bedrock geology beneath the site is classified as 'Secondary A' by the Environmental Agency. The EA definition is given overleaf:

> ***"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."*

Groundwater vulnerability: The bedrock aquifer has been classed as having medium vulnerability rating on site with an intergranular flow mechanism.

There are no groundwater, surface water, potable water abstractions, or Source Protection Zone (SPZ) within 250m of the assessment site.

The site is not part of a WFD surface water body catchment and is located within the Bristol Triassic WFD groundwater body. There are no records of surface water features within 250m of the site.

4.5 Potential Flood Risks

A detailed flood risk assessment falls outside of this scope, however from a review of preliminary flood data, it is suggested that there is no Risk of Flooding from Rivers and Sea (RoFRaS) on site. There are no recorded historical flood events recorded on site.

There are no records of flood defences, no areas benefitting from flood defences and no flood storage areas within 250m of the site.

4.6 Environmentally Sensitive Sites

There are no records of sites of special scientific interest, conserved wetland sites, special areas of conservation, special protection areas, local or national nature reserves, or designated ancient woodlands within 250m of the assessment site. The site is not located in a nitrate sensitive area.

The site is located in a site of special scientific interest impact risk zone.

4.7 Visual/Cultural Designations

The site is not located within a world heritage site or conservation area. There are no areas of outstanding natural beauty, national parks, listed buildings, scheduled ancient monuments or registered parks and gardens within 250m of the site.

5.0 SITE HISTORY

The historical development of the site has been determined by reference to historical plans and Google Earth imagery. The reviewed historical plans comprise only readily available records and may be limited; however, the information available to date indicates that additional searches are unlikely to add to our understanding of the Site. The earliest available historical mapping covering the site is from 1883. The site history is summarised in Table 6 below.

Table 6 - Summary of Site History

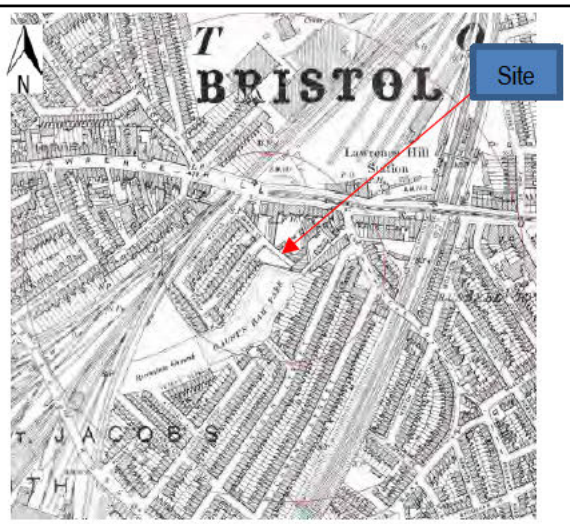
Date	Site	Surrounding Land Use (Within 250m of Site)
1883	The site is located within an area of open land.	The site is surrounded by terrace residential properties to the W. Parkland is to the S. Wain Brook is noted to the SE, flowing S, away from the site, beyond which are terrace residential properties. Beyond the residential area to the E is a railway line which heads roughly N-S. Lawrence Hill Station is noted on this line approximately 200m NE of the site. Another railway line is noted beyond the residential area to the W. This line heads roughly SW-NE. Lawrence Hill Junction is noted on this line approximately 75m N of the site. The remainder of the surrounding area comprises a predominantly urban setting with residential and commercial properties. Industrial processes are also noted as 'Bristol Wagon Works' approximately 200m N, a disused mills approximately 200m SE and several other large unnamed structures within 250m.
1903	No significant changes.	The area to the N of the site associated with the railway has been heavily developed with several lines now forming sidings associated with the wagon works. No other significant changes.
1918	No significant changes.	No significant changes.
1950	The site now comprises a single warehouse building, similar to that on site at present.	A warehouse is now noted adjacent to the NE of the site. Engineering works are also noted to the N beyond the adjacent Sarah Street.
1971	No significant changes.	No significant changes.
1977	No significant changes.	No significant changes.
1985	No significant changes.	No significant changes.
1992	No significant changes.	No significant changes.
2003	No significant changes.	There is now a playground adjacent to the S of the site. No significant changes.

Selected extracts from historical maps are presented in Figure 6 overleaf.

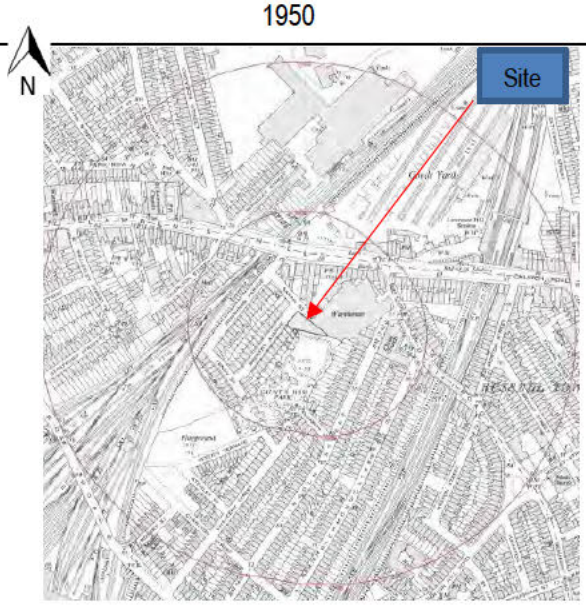
Figure 6 – Historical Map Extracts

1884

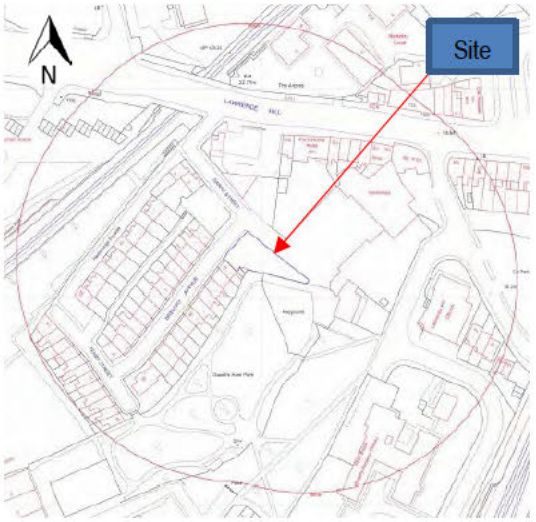
1903



1950



2003



6.0 PRELIMINARY CONTAMINATION RISK ASSESSMENT

6.1 Introduction

The following paragraphs outline a Preliminary Risk Assessment (PRA) for the site based on the above desk study information as defined by DEFRA and the EA Model Procedures for the Land Contamination Risk Management (LCRM)[2020].

Table 9 provides a Preliminary Conceptual Model (PCM) which considers the source-pathway-receptor linkages present alongside the likelihood, severity and risk level as defined within Table 8 and Table 8 below. The assessment of probability, a modified risk table, and certain consequence definitions are based on CIRIA C552 and LCRM.

Table 9 considers whether a pollution linkage is potentially present and provides a preliminary qualitative assessment of risk based on the information currently available. Where a possible linkage is identified, it does not necessarily mean that a significant risk exists but indicates that further information is required through appropriate site investigation to substantiate the conceptual model.

The PCM/PRA is based on a residential end use.

Table 7 - Consequence, Probability and Risk

Probability	Consequence,	Risk
High Likelihood- There is a pollution linkage and an event either appears very likely in the short term and almost inevitable over the long term, or there is evidence at the receptor of harm or pollution	Very High – acute risk to the human health likely to result in significant harm. Risk of severe or irreversible effect on ground/surface water quality. Catastrophic damage to buildings / property.	Very High – there is a high potential that the source-pathway-receptor scenarios may give rise to harm to human health or the environment and remedial action is likely to be required.
Likely – there is a pollution linkage and all the elements are present, which means that it is probable 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.	High – Severe or irreversible effect on human health. Temporary severe or irreversible effect on ground/surface water quality. Reduction of water quality rendering groundwater or surface water unfit to drink and/or substantial adverse impact on groundwater dependant environmental receptors.	High – it is likely that the source-pathway-receptor scenarios may give rise to an impact on human health or the environment, which may require remediation and/or control measures to mitigate risks
Low likelihood– there is a pollutant linkage and circumstances are possible for an event could occur. However, it is by no means certain that even over a longer period such event would take place, and is less likely in the shorter term	Moderate – Long term or short term moderate effect on human health. Moderate effect on ground/surface water quality, reversible with time. Reduced reliability of a supply at a groundwater or surface water abstraction source	Moderate – it is possible that the source-pathway-receptor scenarios may give rise to an impact on human health or the environment, however it is either relatively unlikely that such would be severe, or if any harm were to occur it is more likely that harm would be mild.
Unlikely – there is a pollution linkage, but circumstances are such that it is doubtful that an event would occur even in the very long term.	Low – Non-permanent health effects to human health (easily prevented by means such as personal protective clothing etc.) Slight effect on ground/surface water quality, reversible with time. Marginal reduced reliability of a supply at a groundwater or surface water abstraction source.	Low – it is possible that harm could arise at the source, however it is likely that they would at worst be mild.
		Very Low – it is unlikely that the source-pathway-receptor scenarios will give rise to an impact on human health or the environment.

Table 8 - Estimation of Level of Risk by Comparison of Consequence and Probability

		Consequence			
		High	**Moderate**	**Low**	**Very low**
Probability	**High Likelihood**	Very High	High risk	Moderate risk	Moderate to low risk
	Likely	High risk	Moderate risk	Moderate to low risk	Low risk
	Low Likelihood	Moderate risk	Moderate to low risk	Low risk	Very low risk
	Unlikely	Moderate to low risk	Low risk	Very low risk	Very low risk

6.2 Potential Sources

The site is noted to have been a warehouse since 1950.

The main source of contamination in the surrounding area which has otherwise been historically dominated by residential dwellings is processes relating to the nearby railway network. This includes sidings, wagon works and tracks.

Other nearby industrial processes include disused mills to the south-west and engineering works, and a warehouse adjacent to the north.

6.3 Potential Receptors

The following receptors have been considered as part of this assessment.

- Current land users.
- Adjacent land users
- Future land users.
- Construction workers during site development works.

6.4 Potential Pathways

The following pathways have been considered as part of this assessment.

- Direct / dermal contact, ingestion, inhalation pathways of potentially contaminated soils.
- Vertical or lateral migration of contamination (including ground gas/vapours) on and off site.

Table 9 - Preliminary Conceptual Model

Source	Pathway	Receptor	Probability	Consequence	Risk	Comment
Contamination of the ground beneath site due to current and historical use	Dermal contact, ingestion and inhalation of soils dust	Current Site Users	Unlikely	Low	Very Low	Based on historical and current land use and proposed development, the risk to current site users is considered to be **VERY LOW**.
		Future Site users	Unlikely	Low	Very Low	Based on historical and current land use and the proposed development, the risk to future site users is considered to be **VERY LOW**.
		Construction Workers	Low likelihood	Low	Low	Any below ground contaminants will be encountered during construction. Exposure duration is expected to be short-term only, and assuming appropriate health and safety measures are adopted (in line with CDM and other relevant health and safety guidance), a **LOW** risk to construction workers is anticipated.
	Vertical or lateral migration of ground gasses	Current Site Users	Low likelihood	Low	Low	Due to the current and historical conditions on site, the migration of ground gas is unlikely. Therefore the risk to current site users from migrating ground gasses is considered **LOW.**
		Future land users	Low likelihood	Low	Low	Due to the current and historical conditions on site, the migration of ground gas is unlikely. Therefore the risk to future site users from migrating ground gasses is considered **LOW.**
		Construction Workers	Low likelihood	Low	Low	Due to the current and historical conditions on site, the migration of ground gas is unlikely. Therefore the risk to construction workers from migrating ground gasses is considered **LOW.**
	Vertical or horizontal migration of contamination via leaching into the underlying shallow groundwater	Controlled Waters	Low Likelihood	Low	Low	Based on lack of identified contamination sources, previous site usage, anticipated ground conditions and absence of surface water features, it is considered the risk to controlled waters is **LOW.**

6.5 Preliminary Risk Assessment

A review of historical and current day information has highlighted potential sources of contamination on and close to the site. However, given the proposed development will comprise a change of use with no soft landscaping, these are unlikely to pose a risk to future site users. It is considered the development and site has been given an overall risk rating of **LOW.**

7.0 GEOTECHNICAL HAZARDS ASSOCIATED WITH THE PROPOSED DEVELOPMENT

In addition to the environmental hazards there are also geotechnical hazards associated with the stability of the ground including load bearing capacity, slope stability and effects of ground mining activities. Local Authorities follow NPPF (2012) which requires that a site be suitable for its new use taking into account of ground conditions and land instability, including from natural hazards to former activities such as mining. A summary of the geotechnical considerations is provided below in Table 10.

Table 10 – Summary of Geotechnical Hazards

Geohazards:	
Highly Compressible Deposits	Negligible
Collapsible Soils	Very Low
Swelling Clay	Negligible
Running Sand	Low
Ground Dissolution	Negligible
Landslip	Very Low
Mining & Quarrying	Low -Coal mining present nearby but not within a DHRA.
Geotechnical Design Considerations:	
Site Clearance	Site clearance unlikely to be required.
Trees	No trees present on site.
Existing Buildings/Obstructions	Existing building to be demolished.
Foundations	Conventional shallow depth strip/pad foundations could be suitable for new development, depending on the weathering profile of the Redcliffe Sandstone Member. Existing foundations should be checked if these are to be re-used.
Floor Slabs	Existing floor slab should be checked for suitability for re-use.
Groundwater	Exact groundwater conditions are not known at this stage. However, it is recorded that the site is underlain by a Secondary A Aquifer.
Earthworks	Extensive earthworks are unlikely for the proposed development.
Slopes	The site is generally flat.
Retaining Walls	There are no retaining walls on site.
Chemically aggressive ground conditions	The potential for chemically aggressive ground conditions is unknown. An intrusive geotechnical investigation would be necessary to confirm the design characteristics for buried concrete should new foundations be required.

8.0 CONCLUSIONS & RECOMMENDATIONS

8.1 Conclusions

At the start of historical mapping in 1883 the site was situated within open land, and the surrounding area consists of residential and industrial (railway) processes. The surrounding area has further developed with residential and commercial properties since. Railways remain in the surrounding area.

It is understood the proposed development will comprise the partial demolition of the existing building, (with the existing front façade being retained), and to erect a three-storey building comprising 13no. self-contained flats.

Potential sources identified include the warehouse on site (1950) and historical industrial processes in the surrounding area, largely relating to the railway.

The site is recorded to be underlain by the Redcliffe Sandstone Member of Triassic Age.

The site is not located in a Radon Affected Area. Radon protection measures will not be required.

The overall risk from soil contamination to end users based on the type of proposed end development is concluded to be **LOW**.

The overall risk from soil contamination to construction workers is concluded to be **LOW**.

The overall risk to controlled waters is concluded to be **LOW**.

The risk from ground gas to end users and construction workers is **LOW**.

8.2 Recommendations

An intrusive investigation should be undertaken to establish geotechnical parameters for the design of foundations, floor slabs and pavement construction for the proposed new structures and surrounding area. In particular where trees are present the plasticity and soil heave potential of clay soils should be determined. All new foundations should be designed in accordance with NHBC guidelines.

As part of the geotechnical investigation, it is recommended that contamination check testing is carried out in accordance with current planning/NHBC guidelines.

APPENDIX 1

GROUNDSURE REPORT

Groundsure
LOCATION INTELLIGENCE

Enviro+Geo Insight

CASTLE HOUSE, BRENTRY AVENUE, LAWRENCE HILL, BRISTOL, BRISTOL CITY, BS5 0DL

Order Details

Date: 13/06/2025

Your ref: B5065/JS/13062025

Our Ref: GS-XQK-NYC-3X8-VHP

Site Details

Location: 360699 173317

Area: 0.05 ha

Authority: Bristol City Council ↗

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

Certified B Corporation

Summary of findings

Page	Section	Past land use >	On site	0-50m	50-250m	250-500m	500-2000m
15 >	1.1 >	Historical industrial land uses >	0	0	125	171	-
26 >	1.2 >	Historical tanks >	0	0	19	54	-
29 >	1.3 >	Historical energy features >	0	0	8	33	-
31 >	1.4 >	Historical petrol stations >	0	1	0	0	-
31 >	1.5 >	Historical garages >	0	0	0	23	-
33	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
34 >	2.1 >	Historical industrial land uses >	0	0	170	236	-
49 >	2.2 >	Historical tanks >	0	0	31	91	-
54 >	2.3 >	Historical energy features >	0	0	18	56	-
57 >	2.4 >	Historical petrol stations >	0	1	0	0	-
57 >	2.5 >	Historical garages >	0	0	0	33	-
Page	Section	Waste and landfill >	On site	0-50m	50-250m	250-500m	500-2000m
59	3.1	Active or recent landfill	0	0	0	0	-
59	3.2	Historical landfill (BGS records)	0	0	0	0	-
60	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
60 >	3.4 >	Historical landfill (EA/NRW records) >	0	0	0	3	-
61 >	3.5 >	Historical waste sites >	0	0	1	7	-
62 >	3.6 >	Licensed waste sites >	0	0	4	7	-
65 >	3.7 >	Waste exemptions >	0	0	17	36	-
Page	Section	Current industrial land use >	On site	0-50m	50-250m	250-500m	500-2000m
70 >	4.1 >	Recent industrial land uses >	0	0	19	-	-
72 >	4.2 >	Current or recent petrol stations >	0	0	1	2	-
72	4.3	Electricity cables	0	0	0	0	-
72	4.4	Gas pipelines	0	0	0	0	-
73	4.5	Sites determined as Contaminated Land	0	0	0	0	-

73	4.6	Control of Major Accident Hazards (COMAH)	0	0	0	0	-
73 >	4.7 >	Regulated explosive sites >	0	0	0	1	-
73 >	4.8 >	Hazardous substance storage/usage >	0	0	0	1	-
74 >	4.9 >	Historical licensed industrial activities (IPC) >	0	0	0	4	-
74	4.10	Licensed industrial activities (Part A(1))	0	0	0	0	-
75 >	4.11 >	Licensed pollutant release (Part A(2)/B) >	0	0	2	1	-
75	4.12	Radioactive Substance Authorisations	0	0	0	0	-
75 >	4.13 >	Licensed Discharges to controlled waters >	0	0	2	1	-
76	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
76	4.15	Pollutant release to public sewer	0	0	0	0	-
77	4.16	List 1 Dangerous Substances	0	0	0	0	-
77	4.17	List 2 Dangerous Substances	0	0	0	0	-
77 >	4.18 >	Pollution Incidents (EA/NRW) >	0	0	0	2	-
77	4.19	Pollution inventory substances	0	0	0	0	-
78	4.20	Pollution inventory waste transfers	0	0	0	0	-
78	4.21	Pollution inventory radioactive waste	0	0	0	0	-

Page	Section	Hydrogeology	On site	0-50m	50-250m	250-500m	500-2000m
79	5.1	Superficial aquifer	None (within 500m)				
80 >	5.2 >	Bedrock aquifer >	Identified (within 500m)				
81 >	5.3 >	Groundwater vulnerability >	Identified (within 50m)				
82	5.4	Groundwater vulnerability- soluble rock risk	None (within 0m)				
82	5.5	Groundwater vulnerability- local information	None (within 0m)				
83 >	5.6 >	Groundwater abstractions >	0	0	0	0	3
84 >	5.7 >	Surface water abstractions >	0	0	0	0	17
89	5.8	Potable abstractions	0	0	0	0	0
89	5.9	Source Protection Zones	0	0	0	0	-
89	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-

Page	Section	Hydrology >	On site	0-50m	50-250m	250-500m	500-2000m
90	6.1	Water Network (OS MasterMap)	0	0	0	-	-

90	6.2	Surface water features	0	0	0	-	-
91 >	6.3 >	WFD Surface water body catchments >	1	-	-	-	-
91	6.4	WFD Surface water bodies	0	0	0	-	-
91 >	6.5 >	WFD Groundwater bodies >	1	-	-	-	-
Page	Section	River and coastal flooding >	On site	0-50m	50-250m	250-500m	500-2000m
93	7.1	Risk of flooding from rivers and the sea	None (within 50m)				
94 >	7.2 >	Historical Flood Events >	0	1	1	-	-
94	7.3	Flood Defences	0	0	0	-	-
94	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
95	7.5	Flood Storage Areas	0	0	0	-	-
96	7.6	Flood Zone 2	None (within 50m)				
96	7.7	Flood Zone 3	None (within 50m)				
Page	Section	Surface water flooding >					
97 >	8.1 >	Surface water flooding >	1 in 30 year, 0.3m - 1.0m (within 50m)				
Page	Section	Groundwater flooding >					
99 >	9.1 >	Groundwater flooding >	Negligible (within 50m)				
Page	Section	Environmental designations >	On site	0-50m	50-250m	250-500m	500-2000m
100	10.1	Sites of Special Scientific Interest (SSSI)	0	0	0	0	0
101	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
101	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
101	10.4	Special Protection Areas (SPA)	0	0	0	0	0
101	10.5	National Nature Reserves (NNR)	0	0	0	0	0
102 >	10.6 >	Local Nature Reserves (LNR) >	0	0	0	0	4
102	10.7	Designated Ancient Woodland	0	0	0	0	0
102	10.8	Biosphere Reserves	0	0	0	0	0
103	10.9	Forest Parks	0	0	0	0	0
103	10.10	Marine Conservation Zones	0	0	0	0	0
103	10.11	Green Belt	0	0	0	0	0
103	10.12	Proposed Ramsar sites	0	0	0	0	0

103	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
104	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
104	10.15	Nitrate Sensitive Areas	0	0	0	0	0
104	10.16	Nitrate Vulnerable Zones	0	0	0	0	0
105 >	10.17 >	SSSI Impact Risk Zones >	1	-	-	-	-
106	10.18	SSSI Units	0	0	0	0	0
Page	Section	Visual and cultural designations	On site	0-50m	50-250m	250-500m	500-2000m
107	11.1	World Heritage Sites	0	0	0	-	-
107	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
107	11.3	National Parks	0	0	0	-	-
107	11.4	Listed Buildings	0	0	0	-	-
108	11.5	Conservation Areas	0	0	0	-	-
108	11.6	Scheduled Ancient Monuments	0	0	0	-	-
108	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	Agricultural designations >	On site	0-50m	50-250m	250-500m	500-2000m
109 >	12.1 >	Agricultural Land Classification >	Urban (within 250m)				
110	12.2	Open Access Land	0	0	0	-	-
110 >	12.3 >	Tree Felling Licences >	0	0	1	-	-
110	12.4	Environmental Stewardship Schemes	0	0	0	-	-
110	12.5	Countryside Stewardship Schemes	0	0	0	-	-
Page	Section	Habitat designations >	On site	0-50m	50-250m	250-500m	500-2000m
111 >	13.1 >	Priority Habitat Inventory >	1	3	7	-	-
112	13.2	Habitat Networks	0	0	0	-	-
112	13.3	Open Mosaic Habitat	0	0	0	-	-
112	13.4	Limestone Pavement Orders	0	0	0	-	-
Page	Section	Geology 1:10,000 scale >	On site	0-50m	50-250m	250-500m	500-2000m
114 >	14.1 >	10k Availability >	Identified (within 500m)				
115 >	14.2 >	Artificial and made ground (10k) >	0	0	4	1	-
117	14.3	Superficial geology (10k)	0	0	0	0	-

117	14.4	Landslip (10k)	0	0	0	0	-
118 >	14.5 >	Bedrock geology (10k) >	1	0	0	0	-
119	14.6	Bedrock faults and other linear features (10k)	0	0	0	0	-
Page	Section	Geology 1:50,000 scale >	On site	0-50m	50-250m	250-500m	500-2000m
120 >	15.1 >	50k Availability >	Identified (within 500m)				
121 >	15.2 >	Artificial and made ground (50k) >	0	0	1	2	-
122	15.3	Artificial ground permeability (50k)	0	0	-	-	-
123	15.4	Superficial geology (50k)	0	0	0	0	-
123	15.5	Superficial permeability (50k)	None (within 50m)				
123	15.6	Landslip (50k)	0	0	0	0	-
123	15.7	Landslip permeability (50k)	None (within 50m)				
124 >	15.8 >	Bedrock geology (50k) >	1	0	0	0	-
125 >	15.9 >	Bedrock permeability (50k) >	Identified (within 50m)				
125	15.10	Bedrock faults and other linear features (50k)	0	0	0	0	-
Page	Section	Boreholes >	On site	0-50m	50-250m	250-500m	500-2000m
126 >	16.1 >	BGS Boreholes >	0	1	11	-	-
Page	Section	Natural ground subsidence >					
128 >	17.1 >	Shrink swell clays >	Negligible (within 50m)				
129 >	17.2 >	Running sands >	Low (within 50m)				
130 >	17.3 >	Compressible deposits >	Negligible (within 50m)				
131 >	17.4 >	Collapsible deposits >	Very low (within 50m)				
132 >	17.5 >	Landslides >	Very low (within 50m)				
133 >	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
135 >	18.1 >	BritPits >	0	1	0	2	-
137 >	18.2 >	Surface ground workings >	0	0	14	-	-
137 >	18.3 >	Underground workings >	0	0	0	2	3
138	18.4	Underground mining extents	0	0	0	0	-
138	18.5	Historical Mineral Planning Areas	0	0	0	0	-

138	18.6	Non-coal mining	0	0	0	0	0
139	18.7	JPB mining areas	None (within 0m)				
139	18.8	The Coal Authority non-coal mining	0	0	0	0	-
139	18.9	Researched mining	0	0	0	0	-
139	18.10	Mining record office plans	0	0	0	0	-
140	18.11	BGS mine plans	0	0	0	0	-
140 >	18.12 >	Coal mining >	Identified (within 0m)				
140	18.13	Brine areas	None (within 0m)				
140	18.14	Gypsum areas	None (within 0m)				
140	18.15	Tin mining	None (within 0m)				
141	18.16	Clay mining	None (within 0m)				
Page	Section	Ground cavities and sinkholes	On site	0-50m	50-250m	250-500m	500-2000m
142	19.1	Natural cavities	0	0	0	0	-
142	19.2	Mining cavities	0	0	0	0	0
142	19.3	Reported recent incidents	0	0	0	0	-
142	19.4	Historical incidents	0	0	0	0	-
Page	Section	Radon >					
144 >	20.1 >	Radon >	Less than 1% (within 0m)				
Page	Section	Soil chemistry >	On site	0-50m	50-250m	250-500m	500-2000m
146 >	21.1 >	BGS Estimated Background Soil Chemistry >	1	0	-	-	-
146	21.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
146	21.3	BGS Measured Urban Soil Chemistry	0	0	-	-	-
Page	Section	Railway infrastructure and projects >	On site	0-50m	50-250m	250-500m	500-2000m
147	22.1	Underground railways (London)	0	0	0	-	-
147	22.2	Underground railways (Non-London)	0	0	0	-	-
148	22.3	Railway tunnels	0	0	0	-	-
148 >	22.4 >	Historical railway and tunnel features >	0	2	107	-	-
152	22.5	Royal Mail tunnels	0	0	0	-	-
152 >	22.6 >	Historical railways >	0	0	7	-	-

153 >	22.7 >	Railways >	0	0	17	-	-
154	22.8	Crossrail 2	0	0	0	0	-
154	22.9	HS2	0	0	0	0	-

Recent aerial photograph

Capture Date: 20/05/2023

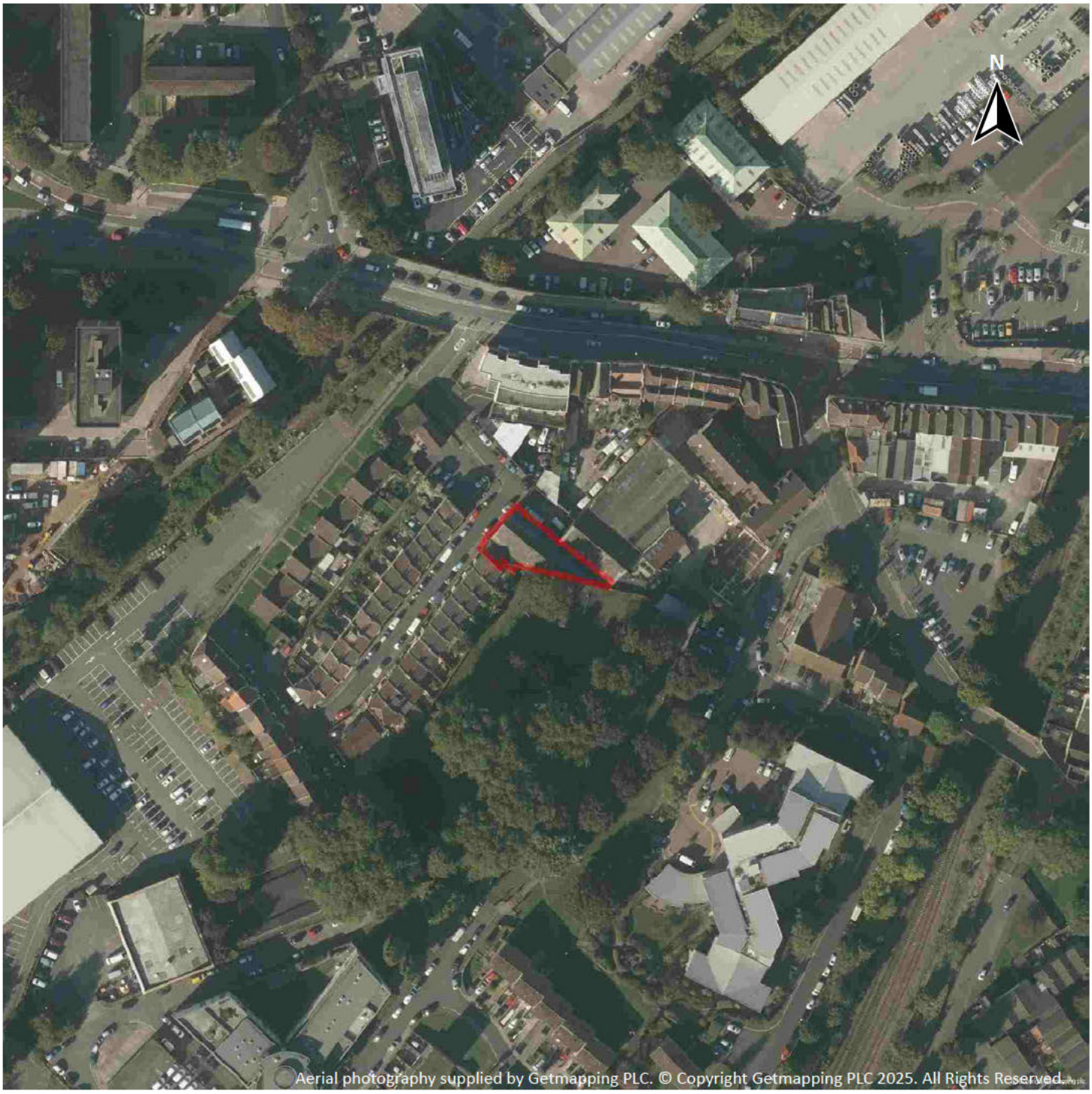
Site Area: 0.05ha

Recent site history - 2020 aerial photograph

Capture Date: 06/05/2020

Site Area: 0.05ha

Recent site history - 2016 aerial photograph



Capture Date: 05/10/2016

Site Area: 0.05ha

Recent site history - 2009 aerial photograph

Capture Date: 01/06/2009

Site Area: 0.05ha

Recent site history - 1999 aerial photograph

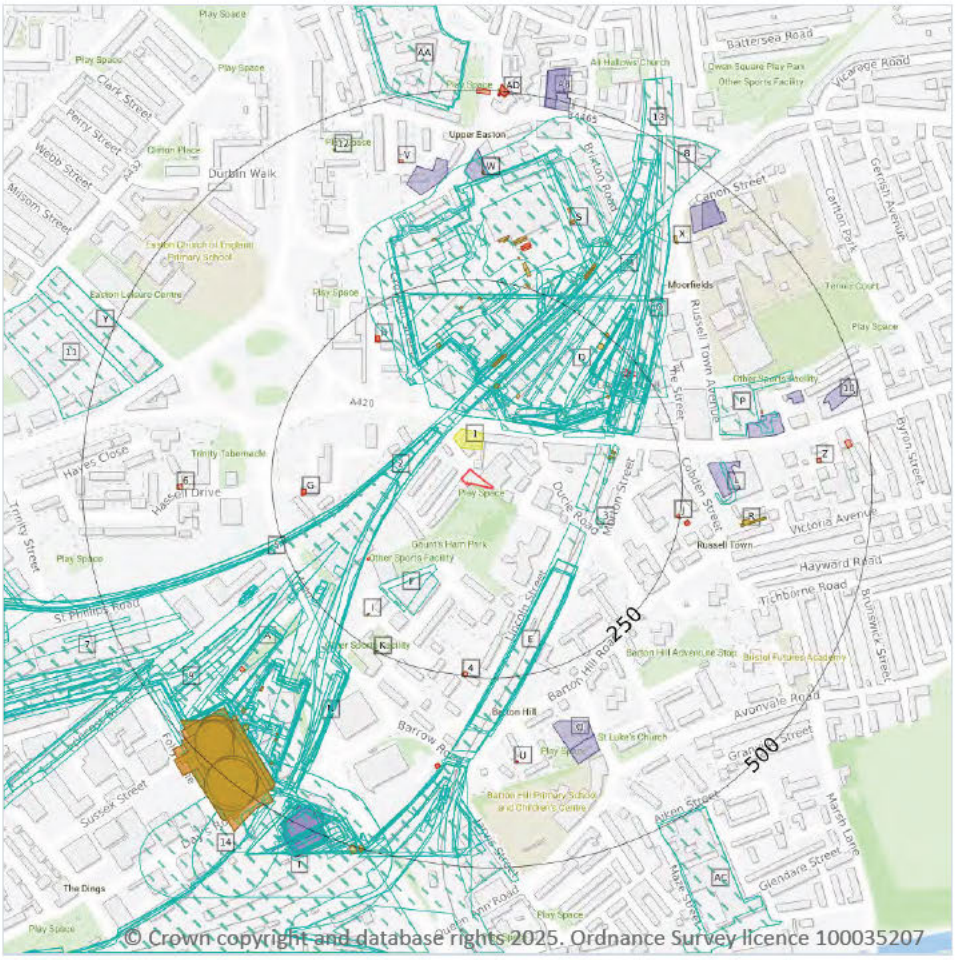
Capture Date: 24/07/1999

Site Area: 0.05ha

OS MasterMap site plan

Site Area: 0.05ha

1 Past land use



Site Outline

Search buffers in metres (m)

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

1.1 Historical industrial land uses

Records within 500m	296

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	52m NW	Railway Sidings	1938	1210370

ID	Location	Land use	Dates present	Group ID
B	55m NW	Railway Sidings	1913 - 1973	1231808
C	56m NW	Railway Sidings	1913 - 1938	1216101
B	56m NW	Railway Sidings	1902	1252098
B	56m NW	Railway Sidings	1921 - 1930	1258281
B	56m NW	Railway Sidings	1938	1281834
B	65m NW	Railway Sidings	1904	1214532
B	67m NW	Railway Sidings	1890	1218357
B	67m NW	Railway Sidings	1890	1292109
D	68m NE	Brick Yard	1890	1213427
D	69m N	Railway Building	1955	1240626
D	69m N	Railway Sidings	1973 - 1986	1245426
D	69m N	Railway Building	1965	1293515
B	69m NW	Railway Sidings	1913	1211465
B	69m NW	Railway Land	1913	1268433
D	76m N	Unspecified Commercial/Industrial	1921	1219366
D	76m N	Unspecified Commercial/Industrial	1938	1281925
D	79m N	Wagon Works	1921	1230781
D	80m NE	Railway Land	1913	1209831
D	83m NE	Railway Sidings	1930	1265558
B	83m W	Railway Sidings	1938	1245548
B	83m W	Railway Sidings	1921	1261435
B	83m W	Railway Sidings	1902	1268524
2	83m W	Railway Building	1938	1207361
D	84m N	Unspecified Works	1973 - 1986	1254589
D	84m N	Railway Building	1973	1229287
D	84m N	Railway Building	1986	1240015
D	85m NE	Railway Building	1913	1250140
D	85m NE	Railway Building	1955	1248800

ID	Location	Land use	Dates present	Group ID
D	85m NE	Railway Sidings	1902	1210359
D	86m NE	Railway Building	1965 - 1986	1288026
D	92m NE	Railway Building	1938	1248426
D	93m NE	Railway Buildings	1902	1222761
D	93m NE	Railway Buildings	1930 - 1938	1244667
D	95m NE	Railway Building	1921	1250706
D	95m NE	Railway Building	1986	1267456
D	98m N	Railway Building	1955	1268773
D	101m NE	Railway Building	1938	1231854
D	105m NE	Railway Sidings	1902	1212236
D	105m NE	Railway Sidings	1921	1214430
D	105m NE	Railway Sidings	1938	1235922
D	106m N	Goods Yard	1955	1210273
D	112m N	Railway Sidings	1904	1259276
D	112m NE	Railway Sidings	1890	1266226
D	112m NE	Railway Sidings	1890	1279405
D	112m N	Railway Sidings	1904	1223636
D	112m N	Wagon Works	1904	1232827
D	112m N	Railway Sidings	1904	1235404
D	113m N	Wagon Works	1913	1272694
D	113m N	Railway Sidings	1913	1279323
D	113m E	Railway Sidings	1890	1252427
E	113m SE	Railway Sidings	1890	1242394
D	114m N	Railway Sidings	1913	1272955
F	114m S	Disused Paper Mills	1890	1239894
D	115m N	Unspecified Commercial/Industrial	1938	1257916
D	115m NE	Railway Sidings	1890	1215167
D	120m N	Railway Sidings	1902	1210357

ID	Location	Land use	Dates present	Group ID
D	120m N	Unspecified Works	1930	1252167
D	121m NE	Railway Building	1973	1222059
D	121m NE	Railway Building	1986	1284834
D	121m N	Wagon Works	1902	1247942
D	122m N	Railway Sidings	1890	1216763
D	122m N	Railway Sidings	1890	1288328
D	122m N	Wagon Works	1890	1288857
D	125m N	Unspecified Works	1965	1249177
F	125m S	Unspecified Works	1986	1196135
D	127m NE	Railway Building	1955	1281462
E	128m SE	Cuttings	1938	1268452
E	128m SE	Cuttings	1921 - 1938	1247918
E	128m SE	Cuttings	1902	1275892
E	131m SE	Cuttings	1904	1231746
E	132m SE	Cuttings	1913	1220193
D	132m N	Unspecified Commercial/Industrial	1902	1250329
E	135m SE	Cuttings	1938	1247731
E	135m SE	Cuttings	1921	1252901
3	142m E	Railway Building	1986	1206883
D	146m E	Railway Building	1938	1206882
D	157m E	Railway Building	1938	1278224
D	160m E	Railway Building	1921	1269099
D	161m NE	Railway Building	1955	1226957
D	164m NE	Railway Station	1890	1244706
D	164m E	Railway Building	1930 - 1938	1242933
D	168m NE	Railway Station	1904	1258005
D	169m NE	Railway Station	1913	1215096
D	170m N	Railway Sidings	1890	1222069

ID	Location	Land use	Dates present	Group ID
D	170m N	Railway Sidings	1890	1246364
D	171m NE	Railway Station	1955 - 1965	1271717
D	174m NE	Railway Station	1938	1268162
D	176m NE	Railway Station	1902	1215036
D	176m NE	Railway Station	1921 - 1938	1253801
D	179m N	Chimney	1955	1205773
D	182m NE	Railway Station	1938	1215025
D	186m NE	Railway Building	1938	1274317
D	188m N	Railway Sidings	1902	1251565
D	188m NE	Railway Building	1913 - 1921	1276549
D	189m NE	Railway Station	1986	1275234
D	190m N	Railway Sidings	1904	1248959
D	190m N	Railway Sidings	1904	1253498
D	190m NE	Railway Building	1938	1211505
D	190m NE	Railway Building	1902	1270797
D	190m NE	Railway Station	1973	1234564
D	191m NE	Railway Building	1921	1260110
A	195m SW	Railway Building	1955 - 1965	1224300
D	195m NE	Railway Building	1955	1226249
D	198m NE	Goods Yard	1955	1210272
D	198m NE	Railway Building	1965 - 1986	1220759
D	198m NE	Railway Buildings	1938	1265513
D	199m NE	Railway Building	1902	1274251
D	199m NE	Railway Building	1938	1233241
D	199m NE	Railway Building	1921	1244551
D	200m NE	Railway Buildings	1930 - 1938	1224524
D	200m NE	Railway Buildings	1902	1287315
D	210m NE	Railway Building	1930	1223627

ID	Location	Land use	Dates present	Group ID
D	218m NE	Railway Sidings	1890	1259939
D	218m NE	Railway Sidings	1890	1272909
A	223m SW	Railway Buildings	1902	1211658
A	223m SW	Railway Buildings	1921 - 1938	1251258
D	223m N	Bus Depot and Construction Works	1955	1185278
A	224m SW	Railway Building	1938	1281790
D	230m N	Railway Sidings	1890	1214243
D	230m N	Railway Sidings	1890	1288699
A	231m SW	Railway Building	1902	1217227
A	231m SW	Railway Building	1921	1285412
A	233m SW	Railway Building	1913	1271313
B	250m SW	Unspecified Commercial/Industrial	1938	1223285
A	253m SW	Railway Building	1930	1227025
A	254m SW	Railway Buildings	1938	1180307
D	258m N	Railway Sidings	1902	1250118
A	263m SW	Railway Building	1913	1213121
B	263m SW	Refuse Transfer Station	1986	1202134
5	265m W	Railway Building	1930 - 1938	1210722
A	267m SW	Railway Building	1938	1222835
D	277m N	Railway Sidings	1904	1226640
C	289m SW	Railway Building	1955	1206889
L	294m E	Unspecified Ground Workings	1890	1236387
D	295m N	Railway Sidings	1890	1232719
N	297m SW	Railway Sidings	1904	1240100
N	297m SW	Railway Sidings	1904	1292478
N	298m SW	Railway Sidings	1913	1230607
N	303m SW	Railway Sidings	1890	1220868
N	303m SW	Railway Sidings	1890	1281465

ID	Location	Land use	Dates present	Group ID
B	304m SW	Railway Building	1955	1281614
B	305m SW	Railway Buildings	1902	1220054
B	305m SW	Railway Buildings	1921 - 1938	1245909
B	306m SW	Railway Buildings	1902	1221479
B	306m SW	Railway Buildings	1921 - 1938	1279613
B	306m SW	Railway Building	1938	1232160
O	306m NE	Railway Building	1938	1250058
P	308m E	Unspecified Works	1986	1196206
B	312m SW	Railway Building	1938	1220442
B	312m SW	Railway Building	1902	1277925
B	312m SW	Railway Building	1921	1293201
O	313m NE	Railway Building	1921	1262545
B	313m SW	Railway Building	1902	1221961
B	313m SW	Railway Building	1921	1250220
B	313m SW	Railway Building	1938	1269745
B	314m SW	Railway Building	1913	1288241
B	315m SW	Railway Building	1913	1255260
B	315m SW	Railway Building	1904	1278891
B	317m SW	Railway Building	1938	1249032
B	318m SW	Railway Building	1890	1218958
B	318m SW	Railway Building	1890	1219695
B	319m SW	Railway Buildings	1938	1265743
O	320m NE	Railway Building	1930 - 1938	1250208
M	321m NE	Railway Building	1955	1251113
M	326m NE	Railway Buildings	1913	1180306
M	328m NE	Railway Building	1902	1260475
M	329m NE	Railway Sidings	1890	1212288
M	329m NE	Railway Sidings	1890	1277677

ID	Location	Land use	Dates present	Group ID
B	329m SW	Railway Buildings	1921 - 1938	1228547
B	329m SW	Railway Buildings	1902	1284722
B	334m SW	Engine Shed	1890	1249581
B	334m SW	Unspecified Commercial/Industrial	1938	1253536
B	334m SW	Unspecified Commercial/Industrial	1921	1287785
B	334m SW	Unspecified Commercial/Industrial	1902	1288920
B	337m SW	Railway Building	1913	1238062
B	338m SW	Railway Building	1904	1291981
B	338m SW	Railway Building	1965	1238394
B	338m SW	Engine Shed	1955	1278844
M	347m NE	Cuttings	1938	1280317
M	350m NE	Cuttings	1904	1253676
T	354m S	Railway Sidings	1930	1286069
B	356m SW	Railway Building	1955	1206891
B	357m SW	Cattle Pens	1913	1209835
T	362m S	Railway Sidings	1902	1267985
T	364m S	Railway Land	1904	1232522
M	365m NE	Unspecified Pit	1973	1192202
M	367m NE	Cuttings	1965	1249406
T	368m S	Railway Sidings	1921	1269054
T	368m S	Railway Sidings	1938	1272684
T	368m S	Cuttings	1890	1250868
T	385m S	Railway Sidings	1884 - 1902	1227336
T	385m S	Railway Sidings	1902	1215767
T	385m S	Railway Sidings	1921	1239901
T	385m S	Railway Sidings	1938	1284277
T	396m S	Railway Building	1938	1213637
B	399m SW	Unspecified Tanks	1921 - 1930	1242573

ID	Location	Land use	Dates present	Group ID
B	400m SW	Unspecified Tank	1938	1204465
T	400m S	Railway Building	1902	1268465
T	400m S	Railway Building	1921 - 1938	1282889
T	401m S	Railway Sidings	1902	1288721
B	402m SW	Railway Building	1930	1245091
T	404m S	Railway Building	1913	1256330
B	408m SW	Unspecified Tanks	1913	1226416
T	410m S	Railway Building	1938	1252738
7	410m SW	Unspecified Works	1986	1195527
B	411m SW	Railway Building	1955	1206898
T	412m S	Unspecified Works	1938	1196134
B	415m SW	Unspecified Tank	1938	1204473
T	416m S	Railway Sidings	1930	1286031
T	416m S	Railway Sidings	1921	1291731
T	416m S	Railway Building	1955	1247187
B	416m SW	Unspecified Tanks	1955	1187104
Y	421m W	Unspecified Commercial/Industrial	1986	1188494
Y	421m W	Unspecified Works	1973	1195938
B	423m SW	Railway Building	1955	1252146
T	425m S	Railway Sidings	1938	1249504
B	427m SW	Unspecified Tank	1955	1204474
B	427m SW	Railway Building	1930	1260862
B	427m SW	Gas Works	1973	1294512
B	427m SW	Gas Holders	1955	1289423
B	429m SW	Unspecified Tank	1938	1204472
8	431m NE	Brick Works	1890	1261020
9	431m SW	Railway Building	1930	1206885
T	432m S	Railway Building	1902	1259591

ID	Location	Land use	Dates present	Group ID
T	432m SW	Unspecified Commercial/Industrial	1921	1253231
T	432m SW	Unspecified Commercial/Industrial	1913	1262792
B	432m SW	Gas Works	1890	1288951
B	432m SW	Unspecified Tank	1902	1233139
B	432m SW	Unspecified Tank	1921 - 1938	1234896
B	433m SW	Unspecified Tanks	1938	1269479
T	433m S	Railway Building	1938	1284781
B	437m SW	Unspecified Tank	1938	1224512
B	437m SW	Unspecified Tank	1902	1257648
B	437m SW	Unspecified Tank	1921	1291011
B	440m SW	Unspecified Tank	1965	1261541
B	440m SW	Gasometer	1955	1272724
B	440m SW	Gas Holders	1973	1289606
T	440m S	Railway Building	1955	1212283
B	441m SW	Unspecified Tanks	1913	1221134
B	441m SW	Unspecified Tanks	1904	1285524
T	444m S	Railway Building	1938	1207257
B	445m SW	Gasometer	1890	1275951
11	451m W	Unspecified Works	1973 - 1986	1224074
B	455m SW	Unspecified Tank	1902	1236962
B	455m SW	Unspecified Tank	1921 - 1938	1272893
T	456m S	Railway Building	1938	1207255
B	462m SW	Unspecified Tank	1938	1227071
B	462m SW	Unspecified Tank	1921	1272858
13	464m NE	Railway Sidings	1965	1227432
B	465m SW	Gasometer	1955	1181144
B	465m SW	Unspecified Tank	1965	1271633
B	465m SW	Gas Holders	1973	1285498

ID	Location	Land use	Dates present	Group ID
T	468m SW	Railway Buildings	1938	1255190
T	468m S	Railway Building	1973	1239266
T	468m S	Railway Building	1986	1258468
T	470m SW	Railway Building	1921 - 1930	1255944
T	470m SW	Railway Building	1902	1264111
T	472m SW	Railway Sidings	1902	1244864
T	472m SW	Railway Sidings	1938	1281687
T	472m SW	Railway Buildings	1938	1284298
T	472m SW	Railway Buildings	1902	1293486
T	473m SW	Railway Sidings	1986	1210382
T	474m SW	Railway Sidings	1904	1224765
T	474m SW	Railway Sidings	1904	1269650
AA	474m N	Disused Colliery	1913 - 1921	1284043
T	475m SW	Railway Building	1902	1258845
T	475m SW	Repair Sheds	1955	1180583
T	475m SW	Railway Building	1965	1269940
T	476m SW	Railway Building	1955	1245416
AA	477m N	Colliery	1902	1262147
AA	477m N	Colliery	1904	1249242
T	478m S	Railway Building	1973 - 1986	1288243
T	479m SW	Railway Building	1921	1214648
T	479m SW	Railway Building	1930	1253517
T	479m SW	Railway Building	1890	1220026
T	482m SW	Railway Buildings	1938	1247357
T	482m S	Railway Sidings	1904	1234400
T	482m S	Railway Sidings	1904	1237348
T	485m SW	Railway Building	1938	1214037
T	485m SW	Railway Building	1902	1278450

ID	Location	Land use	Dates present	Group ID
T	489m SW	Railway Buildings	1902	1180359
T	491m S	Railway Sidings	1904	1221257
T	491m S	Railway Sidings	1904	1292864
T	491m SW	Railway Building	1921 - 1930	1214768
T	492m S	Railway Building	1955	1245823
T	493m SW	Repair Sheds	1955	1180584
T	493m SW	Railway Building	1965 - 1986	1251465
AC	493m SE	Unspecified Commercial/Industrial	1955 - 1965	1228856
14	494m SW	Nursery	1921	1288579
T	495m S	Railway Sidings	1904	1259039
T	495m S	Railway Sidings	1904	1265745
AC	496m SE	Unspecified Commercial/Industrial	1973 - 1986	1248955
T	497m SW	Engine Shed	1890	1240326
T	498m S	Railway Building	1986	1260383
T	499m S	Railway Building	1955	1213866

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m	73

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
D	112m N	Unspecified Tank	1990 - 1997	200899
D	112m NE	Unspecified Tank	1971 - 1984	199726
D	138m N	Tanks	1950	195844

ID	Location	Land use	Dates present	Group ID
D	139m N	Tanks	1950	189077
D	149m N	Tanks	1966 - 1984	189866
D	158m E	Unspecified Tank	1918	185038
D	162m E	Unspecified Tank	1950 - 1966	188417
D	165m N	Tanks	1966	178139
D	191m NE	Unspecified Tank	1990	184998
D	211m N	Unspecified Tank	1971 - 1985	186933
I	213m SW	Unspecified Tank	1990	191829
I	213m SW	Unspecified Tank	1984	202261
I	214m SW	Unspecified Tank	1966	195182
I	214m SW	Unspecified Tank	1971	202491
D	223m N	Unspecified Tank	1990	185067
D	231m NE	Unspecified Tank	1971 - 1990	194512
K	248m SW	Unspecified Tank	1984 - 1990	196467
D	249m NE	Unspecified Tank	1971 - 1990	193811
K	249m SW	Unspecified Tank	1971	185959
D	251m N	Tanks	1949 - 1950	191465
D	265m N	Tanks	1918	178142
D	271m N	Unspecified Tank	1884	185066
D	284m N	Unspecified Tank	1885	185058
M	293m NE	Tanks	1993 - 1995	189767
M	294m NE	Unspecified Tank	1990	185040
D	301m N	Tanks	1993 - 1995	201571
D	302m N	Tanks	1971 - 1990	186412
D	302m N	Unspecified Tank	1993 - 1995	195168
D	304m N	Tanks	1990	178145
M	304m NE	Unspecified Tank	1950	200793
M	304m NE	Unspecified Tank	1949	193191

ID	Location	Land use	Dates present	Group ID
D	305m N	Unspecified Tank	1971 - 1985	194529
M	308m NE	Unspecified Tank	1990	186116
R	330m E	Tanks	1989 - 1990	199010
R	332m E	Tanks	1972	191039
R	344m E	Tanks	1989 - 1990	187609
R	344m E	Tanks	1972	200973
M	347m NE	Unspecified Tank	1971	185035
S	349m NE	Unspecified Tank	1993 - 1995	201848
S	351m N	Unspecified Tank	1971 - 1990	188225
S	363m N	Unspecified Tank	1949 - 1950	199275
P	368m E	Unspecified Tank	1972	185036
B	378m SW	Tanks	1950	194002
W	390m N	Unspecified Tank	1971 - 1985	202777
X	402m NE	Tanks	1884	178134
B	411m SW	Unspecified Tank	1885	182053
B	416m SW	Unspecified Tank	1903 - 1918	194687
B	418m SW	Unspecified Tank	1885	182051
B	429m SW	Unspecified Tank	1949 - 1967	194589
B	430m SW	Unspecified Tank	1918	182057
B	434m SW	Gas Works	1949	198247
B	434m SW	Gas Works	1971	200059
B	434m SW	Gas Works	1885	188262
B	441m SW	Gas Holder	1950	201002
B	441m SW	Gasholder	1949	188239
B	441m SW	Unspecified Tank	1964	199833
B	441m SW	Gasholder	1971	202209
B	441m SW	Unspecified Tank	1967	186814
B	441m SW	Gasholder	1949	192201

ID	Location	Land use	Dates present	Group ID
B	441m SW	Gas Holder	1971	192538
B	443m SW	Gas Works	1884	188190
B	446m SW	Unspecified Tank	1903	186732
B	447m SW	Unspecified Tank	1885	182052
B	448m SW	Gasometer	1884 - 1885	193190
12	456m NW	Unspecified Tank	1885	185057
B	465m SW	Gasholder	1971	187950
B	465m SW	Gasholder	1949	192165
B	465m SW	Unspecified Tank	1964 - 1967	199738
B	465m SW	Gasholder	1949	197425
B	469m SW	Unspecified Tank	1903	186149
T	495m S	Unspecified Tank	1949 - 1990	193562
T	498m S	Tanks	1964 - 1985	189033
T	499m S	Unspecified Tank	1918	200955

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m	41

Energy features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, 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	159m SW	Electricity Substation	1997	105957
G	205m W	Electricity Substation	1994	122928
G	205m W	Electricity Substation	1971 - 1990	109736
H	206m NW	Electricity Substation	1990 - 1995	117867

ID	Location	Land use	Dates present	Group ID
H	207m NW	Electricity Substation	1985	111835
H	207m NW	Electricity Substation	1971	113925
4	243m S	Electricity Substation	1971 - 1997	113464
J	246m E	Electricity Substation	1984 - 1990	114956
J	257m E	Electricity Substation	1997	105956
J	258m E	Electricity Substations	1971	107996
D	296m N	Electricity Substation	1993 - 1995	116551
D	298m N	Electricity Substation	1990	119005
D	300m N	Electricity Substation	1971 - 1985	111304
U	360m S	Electricity Substation	1985	114235
U	360m S	Electricity Substation	1990	123959
U	360m S	Electricity Substation	1979	124373
U	361m S	Electricity Substation	1996	116933
U	361m S	Electricity Substation	1994	120397
6	368m W	Electricity Substation	1971 - 1994	111479
T	369m S	Electricity Substation	1994 - 1996	109139
T	370m S	Electricity Substation	1990	123356
B	380m SW	Electricity Substation	1988 - 1994	120903
V	414m N	Electricity Substation	1971 - 1985	120999
Z	428m E	Electricity Substation	1972 - 1990	116815
B	434m SW	Gas Works	1971	109482
B	434m SW	Gas Works	1949	122649
B	434m SW	Gas Works	1885	113452
B	441m SW	Gas Holder	1950	121799
B	441m SW	Gasholder	1971	114017
B	441m SW	Gasholder	1949	120241
B	441m SW	Gasholder	1949	116925
B	441m SW	Gas Holder	1971	112308

ID	Location	Land use	Dates present	Group ID
B	443m SW	Gas Works	1884	121623
B	448m SW	Gasometer	1884 - 1885	120365
B	465m SW	Gasholder	1971	114799
B	465m SW	Gasholder	1949	116052
B	465m SW	Gasholder	1949	122572
Z	468m E	Electricity Substation	1949 - 1990	119070
AD	493m N	Electricity Substation	1971 - 1995	113163
AD	494m N	Electricity Substation	1949	116028
AD	494m N	Electricity Substation	1950	105958

This data is sourced from Ordnance Survey / Groundsure.

1.4 Historical petrol stations

Records within 500m	1

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'.

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

ID	Location	Land use	Dates present	Group ID
1	27m N	Filling Station	1984	2103

This data is sourced from Ordnance Survey / Groundsure.

1.5 Historical garages

Records within 500m	23

Garages digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original 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
L	285m E	Garage	1972	35987
Q	319m S	Garage	1949	40980
P	344m E	Garage	1972 - 1989	37592
Q	351m S	Garage	1949	37904
V	367m N	Garage	1949	37119
W	380m N	Garage	1949	35677
P	408m E	Garage	1990	35983
X	427m NE	Coach Repair Works	1949	37441
X	439m NE	Coach Repair Works	1949	39168
10	450m E	Garage	1949	39161
T	472m S	Repair Shed	1967	36744
T	473m SW	Repair Shed	1985	38859
T	474m SW	Repair Shed	1949 - 1964	36921
T	474m SW	Repair Shed	1971	39535
T	476m SW	Repair Shed	1949	39346
T	476m SW	Repair Shed	1989	36513
AB	488m N	Garage	1971 - 1985	38987
AB	488m N	Garage	1949	37088
T	493m S	Repair Shed	1989	36268
T	493m S	Repair Shed	1985	40866
T	494m SW	Repair Shed	1949	38889
T	494m SW	Repair Shed	1949 - 1964	39813
T	494m SW	Repair Shed	1971	40605

This data is sourced from Ordnance Survey / Groundsure.

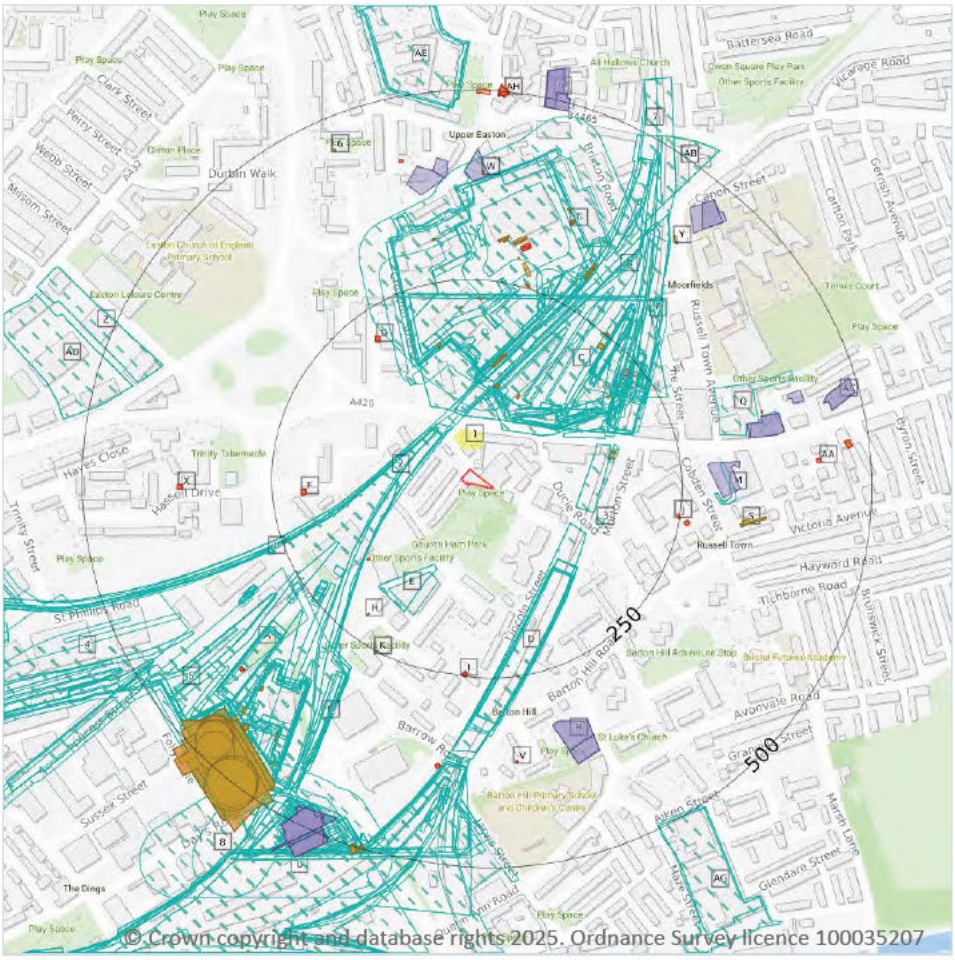
1.6 Historical military land

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 petrol stations

Historical garages

2.1 Historical industrial land uses

Records within 500m	406

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 34 >

ID	Location	Land Use	Date	Group ID
A	52m NW	Railway Sidings	1938	1210370
B	55m NW	Railway Sidings	1965	1231808
B	55m NW	Railway Sidings	1955	1231808

ID	Location	Land Use	Date	Group ID
B	56m NW	Railway Sidings	1938	1216101
B	56m NW	Railway Sidings	1930	1258281
B	56m NW	Railway Sidings	1902	1252098
B	56m NW	Railway Sidings	1938	1281834
B	56m NW	Railway Sidings	1921	1258281
B	65m NW	Railway Sidings	1904	1214532
B	65m NW	Railway Sidings	1904	1214532
B	67m NW	Railway Sidings	1890	1292109
B	67m NW	Railway Sidings	1890	1218357
C	68m NE	Brick Yard	1890	1213427
C	68m NE	Brick Yard	1890	1213427
C	69m N	Railway Building	1955	1240626
C	69m N	Railway Sidings	1973	1245426
C	69m N	Railway Building	1965	1293515
C	69m N	Railway Sidings	1986	1245426
B	69m NW	Railway Land	1913	1268433
B	69m NW	Railway Sidings	1913	1211465
C	76m N	Railway Sidings	1921	1216101
C	76m N	Unspecified Commercial/Industrial	1921	1219366
C	79m N	Wagon Works	1921	1230781
C	80m NE	Railway Land	1913	1209831
C	83m NE	Railway Sidings	1930	1265558
B	83m W	Railway Sidings	1938	1245548
B	83m W	Railway Sidings	1902	1268524
B	83m W	Railway Sidings	1921	1261435
2	83m W	Railway Building	1938	1207361
C	84m N	Unspecified Works	1973	1254589
C	84m N	Unspecified Works	1986	1254589

ID	Location	Land Use	Date	Group ID
C	84m N	Railway Building	1973	1229287
C	84m N	Railway Building	1986	1240015
C	85m NE	Railway Building	1913	1250140
C	85m NE	Railway Building	1955	1248800
C	85m NE	Railway Sidings	1902	1210359
C	86m NE	Railway Building	1973	1288026
C	86m NE	Railway Building	1965	1288026
C	86m NE	Railway Building	1986	1288026
C	90m NE	Railway Sidings	1938	1216101
C	92m NE	Railway Building	1938	1248426
C	93m NE	Railway Buildings	1930	1244667
C	93m NE	Railway Buildings	1902	1222761
C	94m NE	Railway Buildings	1938	1244667
C	95m NE	Railway Building	1921	1250706
C	95m NE	Railway Building	1986	1267456
C	98m N	Railway Building	1955	1268773
C	101m NE	Railway Building	1938	1231854
C	105m NE	Railway Sidings	1938	1235922
C	105m NE	Railway Sidings	1902	1212236
C	105m NE	Railway Sidings	1921	1214430
C	106m N	Goods Yard	1955	1210273
C	112m N	Railway Sidings	1904	1259276
C	112m N	Railway Sidings	1904	1259276
C	112m NE	Railway Sidings	1890	1279405
C	112m NE	Railway Sidings	1890	1266226
C	112m N	Wagon Works	1904	1232827
C	112m N	Railway Sidings	1904	1235404
C	112m N	Wagon Works	1904	1232827

ID	Location	Land Use	Date	Group ID
C	112m N	Railway Sidings	1904	1223636
C	113m N	Wagon Works	1913	1272694
C	113m N	Railway Sidings	1913	1279323
C	113m E	Railway Sidings	1890	1252427
C	113m E	Railway Sidings	1890	1252427
D	113m SE	Railway Sidings	1890	1242394
D	113m SE	Railway Sidings	1890	1242394
C	114m N	Railway Sidings	1913	1272955
E	114m S	Disused Paper Mills	1890	1239894
E	114m S	Disused Paper Mills	1890	1239894
C	115m N	Unspecified Commercial/Industrial	1938	1257916
C	115m NE	Railway Sidings	1890	1215167
C	115m NE	Railway Sidings	1890	1215167
C	117m N	Railway Sidings	1930	1216101
C	120m N	Unspecified Works	1930	1252167
C	120m N	Railway Sidings	1902	1210357
C	120m N	Railway Sidings	1938	1216101
C	121m NE	Railway Building	1973	1222059
C	121m NE	Railway Building	1986	1284834
C	121m N	Wagon Works	1902	1247942
C	122m N	Wagon Works	1890	1288857
C	122m N	Railway Sidings	1890	1288328
C	122m N	Wagon Works	1890	1288857
C	122m N	Railway Sidings	1890	1216763
C	125m N	Unspecified Works	1965	1249177
E	125m S	Unspecified Works	1986	1196135
C	127m NE	Railway Building	1955	1281462
D	128m SE	Cuttings	1938	1268452

ID	Location	Land Use	Date	Group ID
D	128m SE	Cuttings	1930	1247918
D	128m SE	Cuttings	1902	1275892
D	128m SE	Cuttings	1938	1247918
D	128m SE	Cuttings	1921	1247918
C	129m N	Unspecified Commercial/Industrial	1938	1281925
D	131m SE	Cuttings	1904	1231746
D	131m SE	Cuttings	1904	1231746
D	132m SE	Cuttings	1913	1220193
C	132m N	Unspecified Commercial/Industrial	1902	1250329
C	132m N	Unspecified Commercial/Industrial	1938	1281925
D	133m SE	Cuttings	1938	1268452
D	135m SE	Cuttings	1938	1247731
D	135m SE	Cuttings	1902	1275892
D	135m SE	Cuttings	1921	1252901
3	142m E	Railway Building	1986	1206883
C	146m E	Railway Building	1938	1206882
C	157m E	Railway Building	1938	1278224
C	160m E	Railway Building	1921	1269099
C	161m NE	Railway Building	1955	1226957
C	164m NE	Railway Station	1890	1244706
C	164m NE	Railway Station	1890	1244706
C	164m E	Railway Building	1938	1242933
C	165m E	Railway Building	1930	1242933
C	168m NE	Railway Station	1904	1258005
C	168m NE	Railway Station	1904	1258005
C	169m NE	Railway Station	1913	1215096
C	170m N	Railway Sidings	1890	1222069
C	170m N	Railway Sidings	1890	1246364

ID	Location	Land Use	Date	Group ID
C	171m NE	Railway Station	1965	1271717
C	171m NE	Railway Station	1955	1271717
C	174m NE	Railway Station	1938	1268162
C	176m NE	Railway Station	1938	1253801
C	176m NE	Railway Station	1902	1215036
C	176m NE	Railway Station	1921	1253801
C	178m NE	Railway Station	1921	1253801
C	179m N	Chimney	1955	1205773
C	182m NE	Railway Station	1938	1215025
C	183m NE	Railway Station	1930	1253801
C	183m NE	Railway Station	1902	1215036
C	183m NE	Railway Station	1938	1253801
C	186m NE	Railway Building	1938	1274317
C	188m N	Railway Sidings	1902	1251565
C	188m NE	Railway Building	1913	1276549
C	189m NE	Railway Station	1986	1275234
C	190m N	Railway Sidings	1904	1248959
C	190m N	Railway Sidings	1904	1253498
C	190m NE	Railway Building	1938	1211505
C	190m NE	Railway Building	1902	1270797
C	190m NE	Railway Building	1921	1276549
C	190m NE	Railway Station	1973	1234564
C	191m NE	Railway Building	1921	1260110
A	195m SW	Railway Building	1965	1224300
A	195m SW	Railway Building	1955	1224300
C	195m NE	Railway Building	1955	1226249
C	198m NE	Railway Building	1973	1220759
C	198m NE	Railway Building	1965	1220759

ID	Location	Land Use	Date	Group ID
C	198m NE	Railway Building	1986	1220759
C	198m NE	Goods Yard	1955	1210272
C	198m NE	Railway Buildings	1938	1265513
C	199m NE	Railway Building	1902	1274251
C	199m NE	Railway Building	1938	1233241
C	199m NE	Railway Building	1921	1244551
C	200m NE	Railway Buildings	1930	1224524
C	200m NE	Railway Buildings	1902	1287315
C	200m NE	Railway Building	1902	1270797
C	200m NE	Railway Buildings	1938	1224524
C	210m NE	Railway Building	1930	1223627
C	218m NE	Railway Sidings	1890	1272909
C	218m NE	Railway Sidings	1890	1259939
A	223m SW	Railway Buildings	1930	1251258
A	223m SW	Railway Buildings	1902	1211658
A	223m SW	Railway Buildings	1938	1251258
A	223m SW	Railway Buildings	1921	1251258
C	223m N	Bus Depot and Construction Works	1955	1185278
A	224m SW	Railway Building	1938	1281790
C	230m N	Railway Sidings	1890	1214243
C	230m N	Railway Sidings	1890	1288699
A	231m SW	Railway Building	1938	1281790
A	231m SW	Railway Building	1902	1217227
A	231m SW	Railway Building	1921	1285412
A	233m SW	Railway Building	1913	1271313
A	237m SW	Railway Building	1938	1281790
B	250m SW	Unspecified Commercial/Industrial	1938	1223285
A	253m SW	Railway Building	1930	1227025

ID	Location	Land Use	Date	Group ID
A	254m SW	Railway Buildings	1938	1180307
C	258m N	Railway Sidings	1902	1250118
A	263m SW	Railway Building	1913	1213121
B	263m SW	Refuse Transfer Station	1986	1202134
L	265m W	Railway Building	1938	1210722
L	265m W	Railway Building	1930	1210722
A	267m SW	Railway Building	1938	1222835
C	277m N	Railway Sidings	1904	1226640
C	277m N	Railway Sidings	1904	1226640
B	289m SW	Railway Building	1955	1206889
M	294m E	Unspecified Ground Workings	1890	1236387
M	294m E	Unspecified Ground Workings	1890	1236387
C	295m N	Railway Sidings	1890	1232719
C	295m N	Railway Sidings	1890	1232719
O	297m SW	Railway Sidings	1904	1240100
O	297m SW	Railway Sidings	1904	1292478
O	298m SW	Railway Sidings	1913	1230607
O	303m SW	Railway Sidings	1890	1220868
O	303m SW	Railway Sidings	1890	1281465
B	304m SW	Railway Building	1955	1281614
B	305m SW	Railway Buildings	1930	1245909
B	305m SW	Railway Buildings	1902	1220054
B	305m SW	Railway Buildings	1938	1245909
B	305m SW	Railway Buildings	1921	1245909
B	306m SW	Railway Buildings	1930	1279613
B	306m SW	Railway Buildings	1902	1221479
B	306m SW	Railway Buildings	1938	1279613
B	306m SW	Railway Buildings	1921	1279613

ID	Location	Land Use	Date	Group ID
B	306m SW	Railway Building	1938	1232160
P	306m NE	Railway Building	1938	1250058
Q	308m E	Unspecified Works	1986	1196206
B	312m SW	Railway Building	1938	1220442
B	312m SW	Railway Building	1902	1277925
B	312m SW	Railway Building	1921	1293201
P	313m NE	Railway Building	1921	1262545
B	313m SW	Railway Building	1938	1269745
B	313m SW	Railway Building	1902	1221961
B	313m SW	Railway Building	1921	1250220
B	314m SW	Railway Building	1913	1288241
B	315m SW	Railway Building	1913	1255260
B	315m SW	Railway Building	1904	1278891
B	315m SW	Railway Building	1904	1278891
B	317m SW	Railway Building	1938	1249032
B	318m SW	Railway Building	1890	1219695
B	318m SW	Railway Building	1890	1218958
B	319m SW	Railway Buildings	1938	1265743
P	320m NE	Railway Building	1938	1250208
N	321m NE	Railway Building	1955	1251113
P	322m NE	Railway Building	1930	1250208
N	326m NE	Railway Buildings	1913	1180306
N	328m NE	Railway Building	1902	1260475
N	329m NE	Railway Sidings	1890	1277677
N	329m NE	Railway Sidings	1890	1212288
B	329m SW	Railway Buildings	1930	1228547
B	329m SW	Railway Buildings	1902	1284722
B	329m SW	Railway Buildings	1938	1228547

ID	Location	Land Use	Date	Group ID
B	329m SW	Railway Buildings	1921	1228547
B	334m SW	Engine Shed	1890	1249581
B	334m SW	Engine Shed	1890	1249581
B	334m SW	Unspecified Commercial/Industrial	1938	1253536
B	334m SW	Unspecified Commercial/Industrial	1902	1288920
B	334m SW	Unspecified Commercial/Industrial	1921	1287785
B	337m SW	Railway Building	1913	1238062
B	338m SW	Railway Building	1904	1291981
B	338m SW	Railway Building	1904	1291981
B	338m SW	Railway Building	1965	1238394
B	338m SW	Engine Shed	1955	1278844
N	347m NE	Cuttings	1938	1280317
N	350m NE	Cuttings	1904	1253676
N	350m NE	Cuttings	1904	1253676
U	354m S	Railway Sidings	1930	1286069
B	356m SW	Railway Building	1955	1206891
B	357m SW	Cattle Pens	1913	1209835
U	362m S	Railway Sidings	1902	1267985
U	364m S	Railway Land	1904	1232522
U	364m S	Railway Land	1904	1232522
U	364m S	Railway Sidings	1973	1231808
N	365m NE	Unspecified Pit	1973	1192202
N	367m NE	Cuttings	1965	1249406
U	368m S	Railway Sidings	1938	1272684
U	368m S	Railway Sidings	1921	1269054
U	368m S	Cuttings	1890	1250868
U	368m S	Cuttings	1890	1250868
U	371m S	Railway Sidings	1938	1231808

ID	Location	Land Use	Date	Group ID
U	385m S	Railway Sidings	1890	1227336
U	385m S	Railway Sidings	1890	1227336
U	385m S	Railway Sidings	1902	1215767
U	385m S	Railway Sidings	1938	1284277
U	385m S	Railway Sidings	1921	1239901
U	396m S	Railway Building	1938	1213637
B	399m SW	Unspecified Tanks	1930	1242573
B	400m SW	Unspecified Tank	1938	1204465
U	400m S	Railway Building	1930	1282889
U	400m S	Railway Building	1902	1268465
U	400m S	Railway Building	1921	1282889
U	401m S	Railway Sidings	1902	1288721
U	401m S	Railway Building	1938	1282889
U	401m S	Railway Building	1902	1268465
U	401m S	Railway Building	1921	1282889
B	402m SW	Railway Building	1930	1245091
U	404m S	Railway Building	1913	1256330
B	408m SW	Unspecified Tanks	1921	1242573
B	408m SW	Unspecified Tanks	1913	1226416
U	410m S	Railway Building	1938	1252738
4	410m SW	Unspecified Works	1986	1195527
B	411m SW	Railway Building	1955	1206898
U	412m S	Unspecified Works	1938	1196134
B	415m SW	Unspecified Tank	1938	1204473
U	416m S	Railway Sidings	1930	1286031
U	416m S	Railway Sidings	1921	1291731
U	416m S	Railway Building	1955	1247187
B	416m SW	Unspecified Tanks	1955	1187104

ID	Location	Land Use	Date	Group ID
B	421m SW	Unspecified Commercial/Industrial	1938	1253536
Z	421m W	Unspecified Works	1973	1195938
Z	421m W	Unspecified Commercial/Industrial	1986	1188494
B	423m SW	Railway Building	1955	1252146
U	425m S	Railway Sidings	1938	1249504
B	427m SW	Unspecified Tank	1955	1204474
B	427m SW	Railway Building	1930	1260862
B	427m SW	Gas Works	1973	1294512
B	427m SW	Gas Holders	1955	1289423
B	429m SW	Unspecified Tank	1938	1204472
AB	431m NE	Brick Works	1890	1261020
AB	431m NE	Brick Works	1890	1261020
5	431m SW	Railway Building	1930	1206885
U	432m S	Railway Building	1902	1259591
U	432m SW	Unspecified Commercial/Industrial	1921	1253231
B	432m SW	Gas Works	1890	1288951
B	432m SW	Gas Works	1890	1288951
B	432m SW	Unspecified Tank	1930	1234896
B	432m SW	Unspecified Tank	1902	1233139
B	432m SW	Unspecified Tank	1938	1234896
B	432m SW	Unspecified Tank	1921	1234896
B	433m SW	Unspecified Tanks	1938	1269479
U	433m S	Railway Building	1938	1284781
U	433m S	Railway Building	1902	1259591
U	434m S	Railway Sidings	1913	1216101
B	437m SW	Unspecified Tank	1938	1224512
B	437m SW	Unspecified Tank	1902	1257648
B	437m SW	Unspecified Tank	1921	1291011

ID	Location	Land Use	Date	Group ID
B	440m SW	Gas Holders	1973	1289606
B	440m SW	Unspecified Tank	1965	1261541
B	440m SW	Gasometer	1955	1272724
U	440m S	Railway Building	1955	1212283
B	441m SW	Unspecified Tanks	1913	1221134
B	441m SW	Unspecified Tanks	1904	1285524
B	441m SW	Unspecified Tanks	1904	1285524
U	444m S	Railway Building	1938	1207257
B	445m SW	Gasometer	1890	1275951
B	445m SW	Gasometer	1890	1275951
B	448m SW	Unspecified Tanks	1938	1269479
AD	451m W	Unspecified Works	1973	1224074
AD	451m W	Unspecified Works	1986	1224074
B	455m SW	Unspecified Tank	1930	1272893
B	455m SW	Unspecified Tank	1902	1236962
B	455m SW	Unspecified Tank	1938	1272893
B	455m SW	Unspecified Tank	1921	1272893
U	456m S	Railway Building	1938	1207255
B	462m SW	Unspecified Tank	1938	1227071
B	462m SW	Unspecified Tank	1902	1236962
B	462m SW	Unspecified Tank	1921	1272858
7	464m NE	Railway Sidings	1965	1227432
B	465m SW	Gas Holders	1973	1285498
B	465m SW	Unspecified Tank	1965	1271633
B	465m SW	Gasometer	1955	1181144
U	467m S	Unspecified Commercial/Industrial	1913	1262792
U	468m SW	Railway Buildings	1938	1255190
U	468m SW	Railway Buildings	1938	1255190

ID	Location	Land Use	Date	Group ID
U	468m S	Railway Building	1973	1239266
U	468m S	Railway Building	1986	1258468
U	470m SW	Railway Building	1930	1255944
U	470m SW	Railway Building	1902	1264111
U	470m SW	Railway Building	1921	1255944
U	470m SW	Railway Building	1921	1255944
U	472m SW	Railway Sidings	1938	1281687
U	472m SW	Railway Buildings	1938	1284298
U	472m SW	Railway Sidings	1902	1244864
U	472m SW	Railway Buildings	1902	1293486
U	473m SW	Railway Sidings	1986	1210382
U	474m SW	Railway Sidings	1904	1269650
U	474m SW	Railway Sidings	1904	1224765
AE	474m N	Disused Colliery	1921	1284043
U	474m S	Railway Sidings	1938	1231808
U	475m S	Unspecified Commercial/Industrial	1913	1262792
U	475m SW	Railway Building	1902	1258845
U	475m SW	Railway Building	1965	1269940
U	475m SW	Repair Sheds	1955	1180583
U	476m SW	Railway Building	1955	1245416
AE	477m N	Colliery	1902	1262147
AE	477m N	Colliery	1904	1249242
AE	477m N	Colliery	1904	1249242
U	478m S	Railway Building	1973	1288243
U	478m S	Railway Building	1986	1288243
AE	478m N	Disused Colliery	1913	1284043
U	479m SW	Railway Building	1930	1253517
U	479m SW	Railway Building	1921	1214648

ID	Location	Land Use	Date	Group ID
U	479m SW	Railway Building	1890	1220026
U	479m SW	Railway Building	1890	1220026
U	481m SW	Railway Sidings	1890	1227336
U	481m SW	Railway Sidings	1890	1227336
U	482m SW	Railway Buildings	1938	1247357
U	482m SW	Railway Sidings	1921	1216101
U	482m SW	Railway Sidings	1913	1216101
U	482m S	Railway Sidings	1904	1237348
U	482m S	Railway Sidings	1904	1234400
U	483m S	Railway Sidings	1913	1231808
U	483m S	Railway Sidings	1913	1216101
U	483m S	Railway Sidings	1938	1231808
U	484m S	Railway Sidings	1913	1216101
U	485m S	Railway Sidings	1920	1216101
U	485m SW	Railway Building	1902	1278450
U	485m SW	Railway Building	1938	1214037
U	489m SW	Railway Buildings	1902	1180359
U	491m S	Railway Sidings	1904	1221257
U	491m S	Railway Sidings	1904	1292864
U	491m S	Railway Sidings	1902	1227336
U	491m SW	Railway Building	1930	1214768
U	491m SW	Railway Building	1921	1214768
U	492m S	Railway Building	1955	1245823
U	493m SW	Railway Building	1973	1251465
U	493m SW	Railway Building	1965	1251465
U	493m SW	Railway Building	1986	1251465
U	493m SW	Repair Sheds	1955	1180584
AG	493m SE	Unspecified Commercial/Industrial	1955	1228856

ID	Location	Land Use	Date	Group ID
8	494m SW	Nursery	1921	1288579
U	494m S	Railway Sidings	1884	1227336
U	495m S	Railway Sidings	1904	1265745
U	495m S	Railway Sidings	1904	1259039
AG	496m SE	Unspecified Commercial/Industrial	1973	1248955
AG	496m SE	Unspecified Commercial/Industrial	1965	1228856
AG	496m SE	Unspecified Commercial/Industrial	1986	1248955
U	497m SW	Engine Shed	1890	1240326
U	497m SW	Engine Shed	1890	1240326
U	498m S	Railway Building	1986	1260383
U	499m S	Railway Building	1955	1213866

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m	122

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 34 >

ID	Location	Land Use	Date	Group ID
C	112m N	Unspecified Tank	1990	200899
C	112m NE	Unspecified Tank	1971	199726
C	113m NE	Unspecified Tank	1984	199726
C	114m N	Unspecified Tank	1997	200899
C	138m N	Tanks	1950	195844
C	139m N	Tanks	1950	189077
C	149m N	Tanks	1971	189866
C	149m N	Tanks	1966	189866
C	149m N	Tanks	1984	189866

ID	Location	Land Use	Date	Group ID
C	158m E	Unspecified Tank	1918	185038
C	162m E	Unspecified Tank	1966	188417
C	162m E	Unspecified Tank	1950	188417
C	162m E	Unspecified Tank	1950	188417
C	165m N	Tanks	1966	178139
C	191m NE	Unspecified Tank	1990	184998
C	211m N	Unspecified Tank	1971	186933
C	212m N	Unspecified Tank	1985	186933
H	213m SW	Unspecified Tank	1984	202261
H	213m SW	Unspecified Tank	1990	191829
H	214m SW	Unspecified Tank	1971	202491
H	214m SW	Unspecified Tank	1966	195182
C	223m N	Unspecified Tank	1990	185067
C	231m NE	Unspecified Tank	1971	194512
C	231m NE	Unspecified Tank	1984	194512
C	231m NE	Unspecified Tank	1990	194512
K	248m SW	Unspecified Tank	1984	196467
K	248m SW	Unspecified Tank	1990	196467
C	249m NE	Unspecified Tank	1985	193811
C	249m NE	Unspecified Tank	1990	193811
K	249m SW	Unspecified Tank	1971	185959
C	249m NE	Unspecified Tank	1971	193811
C	251m N	Tanks	1950	191465
C	251m N	Tanks	1949	191465
C	265m N	Tanks	1918	178142
C	271m N	Unspecified Tank	1884	185066
C	284m N	Unspecified Tank	1885	185058
N	293m NE	Tanks	1993	189767

ID	Location	Land Use	Date	Group ID
N	293m NE	Tanks	1995	189767
N	293m NE	Tanks	1995	189767
N	294m NE	Unspecified Tank	1990	185040
C	301m N	Tanks	1993	201571
C	301m N	Tanks	1995	201571
C	301m N	Tanks	1995	201571
C	302m N	Tanks	1985	186412
C	302m N	Tanks	1990	186412
C	302m N	Tanks	1971	186412
C	302m N	Unspecified Tank	1993	195168
C	302m N	Unspecified Tank	1995	195168
C	302m N	Unspecified Tank	1995	195168
C	304m N	Tanks	1990	178145
N	304m NE	Unspecified Tank	1950	200793
N	304m NE	Unspecified Tank	1949	193191
C	305m N	Unspecified Tank	1971	194529
C	305m N	Unspecified Tank	1985	194529
N	308m NE	Unspecified Tank	1990	186116
S	330m E	Tanks	1989	199010
S	330m E	Tanks	1990	199010
S	332m E	Tanks	1972	191039
S	344m E	Tanks	1989	187609
S	344m E	Tanks	1990	187609
S	344m E	Tanks	1972	200973
N	347m NE	Unspecified Tank	1971	185035
T	349m NE	Unspecified Tank	1993	201848
T	349m NE	Unspecified Tank	1995	201848
T	349m NE	Unspecified Tank	1995	201848

ID	Location	Land Use	Date	Group ID
T	351m N	Unspecified Tank	1985	188225
T	351m N	Unspecified Tank	1990	188225
T	351m N	Unspecified Tank	1971	188225
T	363m N	Unspecified Tank	1949	199275
T	363m N	Unspecified Tank	1950	199275
Q	368m E	Unspecified Tank	1972	185036
B	378m SW	Tanks	1950	194002
B	378m SW	Tanks	1950	194002
W	390m N	Unspecified Tank	1971	202777
W	391m N	Unspecified Tank	1985	202777
Y	402m NE	Tanks	1884	178134
B	411m SW	Unspecified Tank	1885	182053
B	416m SW	Unspecified Tank	1903	194687
B	416m SW	Unspecified Tank	1918	194687
B	418m SW	Unspecified Tank	1885	182051
B	429m SW	Unspecified Tank	1949	194589
B	429m SW	Unspecified Tank	1967	194589
B	429m SW	Unspecified Tank	1964	194589
B	429m SW	Unspecified Tank	1949	194589
B	430m SW	Unspecified Tank	1918	182057
B	434m SW	Gas Works	1949	198247
B	434m SW	Gas Works	1971	200059
B	434m SW	Gas Works	1885	188262
B	441m SW	Gas Holder	1950	201002
B	441m SW	Unspecified Tank	1964	199833
B	441m SW	Gasholder	1949	188239
B	441m SW	Gasholder	1971	202209
B	441m SW	Gasholder	1949	192201

ID	Location	Land Use	Date	Group ID
B	441m SW	Unspecified Tank	1967	186814
B	441m SW	Gas Holder	1971	192538
B	442m SW	Gas Holder	1950	201002
B	443m SW	Gas Works	1884	188190
B	446m SW	Unspecified Tank	1903	186732
B	447m SW	Unspecified Tank	1885	182052
B	448m SW	Gasometer	1885	193190
6	456m NW	Unspecified Tank	1885	185057
B	458m SW	Gasometer	1884	193190
B	465m SW	Unspecified Tank	1964	199738
B	465m SW	Gasholder	1949	192165
B	465m SW	Gasholder	1971	187950
B	465m SW	Gasholder	1949	197425
B	465m SW	Unspecified Tank	1967	199738
B	469m SW	Unspecified Tank	1903	186149
U	495m S	Unspecified Tank	1979	193562
U	495m S	Unspecified Tank	1985	193562
U	495m S	Unspecified Tank	1990	193562
U	496m S	Unspecified Tank	1949	193562
U	496m S	Unspecified Tank	1967	193562
U	496m S	Unspecified Tank	1964	193562
U	496m S	Unspecified Tank	1971	193562
U	496m S	Unspecified Tank	1949	193562
U	498m S	Tanks	1979	189033
U	498m S	Tanks	1985	189033
U	498m S	Tanks	1967	189033
U	499m S	Tanks	1964	189033
U	499m S	Tanks	1971	189033

ID	Location	Land Use	Date	Group ID
U	499m S	Unspecified Tank	1918	200955

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m	74

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 34 >

ID	Location	Land Use	Date	Group ID
A	159m SW	Electricity Substation	1997	105957
F	205m W	Electricity Substation	1994	122928
F	205m W	Electricity Substation	1988	109736
F	205m W	Electricity Substation	1971	109736
F	206m W	Electricity Substation	1984	109736
F	206m W	Electricity Substation	1990	109736
G	206m NW	Electricity Substation	1993	117867
G	206m NW	Electricity Substation	1995	117867
G	206m NW	Electricity Substation	1995	117867
G	207m NW	Electricity Substation	1985	111835
G	207m NW	Electricity Substation	1990	117867
G	207m NW	Electricity Substation	1971	113925
I	243m S	Electricity Substation	1997	113464
I	244m S	Electricity Substation	1984	113464
I	244m S	Electricity Substation	1990	113464
I	245m S	Electricity Substation	1971	113464
J	246m E	Electricity Substation	1984	114956
J	246m E	Electricity Substation	1990	114956
J	257m E	Electricity Substation	1997	105956

ID	Location	Land Use	Date	Group ID
J	258m E	Electricity Substations	1971	107996
C	296m N	Electricity Substation	1993	116551
C	296m N	Electricity Substation	1995	116551
C	296m N	Electricity Substation	1995	116551
C	298m N	Electricity Substation	1990	119005
C	300m N	Electricity Substation	1971	111304
C	301m N	Electricity Substation	1985	111304
V	360m S	Electricity Substation	1979	124373
V	360m S	Electricity Substation	1985	114235
V	360m S	Electricity Substation	1990	123959
V	361m S	Electricity Substation	1996	116933
V	361m S	Electricity Substation	1994	120397
X	368m W	Electricity Substation	1988	111479
X	368m W	Electricity Substation	1971	111479
X	368m W	Electricity Substation	1994	111479
U	369m S	Electricity Substation	1996	109139
U	369m S	Electricity Substation	1994	109139
U	370m S	Electricity Substation	1990	123356
X	370m W	Electricity Substation	1984	111479
X	370m W	Electricity Substation	1990	111479
B	380m SW	Electricity Substation	1994	120903
B	380m SW	Electricity Substation	1988	120903
B	381m SW	Electricity Substation	1990	120903
W	414m N	Electricity Substation	1971	120999
W	414m N	Electricity Substation	1985	120999
AA	428m E	Electricity Substation	1989	116815
AA	428m E	Electricity Substation	1990	116815
AA	430m E	Electricity Substation	1972	116815

ID	Location	Land Use	Date	Group ID
B	434m SW	Gas Works	1949	122649
B	434m SW	Gas Works	1971	109482
B	434m SW	Gas Works	1885	113452
B	441m SW	Gas Holder	1950	121799
B	441m SW	Gasholder	1949	120241
B	441m SW	Gasholder	1971	114017
B	441m SW	Gasholder	1949	116925
B	441m SW	Gas Holder	1971	112308
B	442m SW	Gas Holder	1950	121799
B	443m SW	Gas Works	1884	121623
B	448m SW	Gasometer	1885	120365
B	458m SW	Gasometer	1884	120365
B	465m SW	Gasholder	1949	116052
B	465m SW	Gasholder	1971	114799
B	465m SW	Gasholder	1949	122572
AA	468m E	Electricity Substation	1989	119070
AA	468m E	Electricity Substation	1990	119070
AA	469m E	Electricity Substation	1972	119070
AA	469m E	Electricity Substation	1949	119070
AH	493m N	Electricity Substation	1993	113163
AH	493m N	Electricity Substation	1995	113163
AH	493m N	Electricity Substation	1995	113163
AH	494m N	Electricity Substation	1971	113163
AH	494m N	Electricity Substation	1949	116028
AH	494m N	Electricity Substation	1985	113163
AH	494m N	Electricity Substation	1990	113163
AH	494m N	Electricity Substation	1950	105958

This data is sourced from Ordnance Survey / Groundsure.

2.4 Historical petrol stations

Records within 500m	1

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'.

Features are displayed on the Past land use - un-grouped map on page 34 >

ID	Location	Land Use	Date	Group ID
1	27m N	Filling Station	1984	2103

This data is sourced from Ordnance Survey / Groundsure.

2.5 Historical garages

Records within 500m	33

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'.

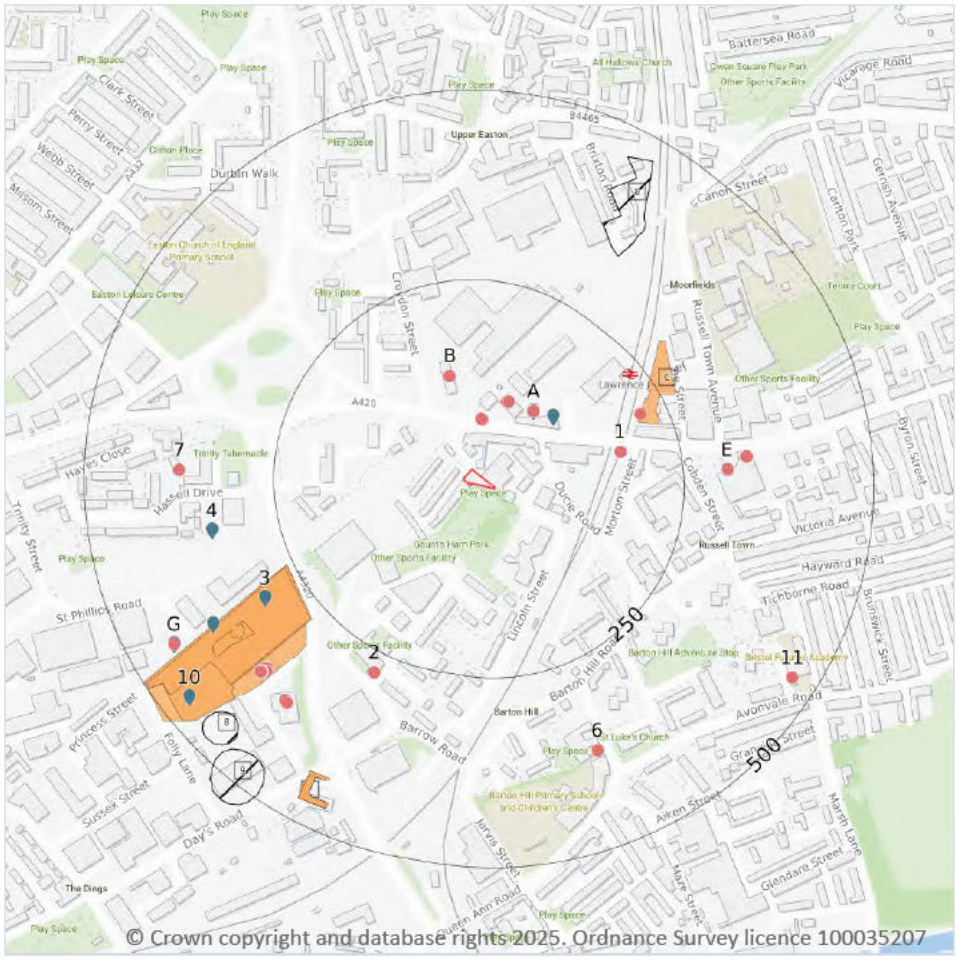
Features are displayed on the Past land use - un-grouped map on page 34 >

ID	Location	Land Use	Date	Group ID
M	285m E	Garage	1972	35987
R	319m S	Garage	1949	40980
R	319m S	Garage	1949	40980
Q	344m E	Garage	1989	37592
Q	346m E	Garage	1972	37592
R	351m S	Garage	1949	37904
R	351m S	Garage	1949	37904
W	367m N	Garage	1949	37119
W	380m N	Garage	1949	35677
W	386m N	Garage	1949	37119
Q	408m E	Garage	1990	35983
Y	427m NE	Coach Repair Works	1949	37441
Y	439m NE	Coach Repair Works	1949	39168

ID	Location	Land Use	Date	Group ID
Y	439m NE	Coach Repair Works	1949	37441
AC	450m E	Garage	1949	39161
AC	450m E	Garage	1949	39161
U	472m S	Repair Shed	1967	36744
U	473m SW	Repair Shed	1985	38859
U	474m SW	Repair Shed	1964	36921
U	474m SW	Repair Shed	1949	36921
U	474m SW	Repair Shed	1971	39535
U	476m SW	Repair Shed	1949	39346
U	476m SW	Repair Shed	1989	36513
AF	488m N	Garage	1985	38987
AF	488m N	Garage	1971	38987
AF	488m N	Garage	1949	37088
U	493m S	Repair Shed	1989	36268
U	493m S	Repair Shed	1985	40866
U	494m SW	Repair Shed	1949	38889
U	494m SW	Repair Shed	1964	39813
U	494m SW	Repair Shed	1949	39813
U	494m SW	Repair Shed	1971	40605
U	495m S	Repair Shed	1949	39813

This data is sourced from Ordnance Survey / Groundsure.

3 Waste and landfill



3.1 Active or recent landfill

Records within 500m	0

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

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

3.2 Historical landfill (BGS records)

Records within 500m	0

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

This data is sourced from the British Geological Survey.

3.3 Historical landfill (LA/mapping records)

Records within 500m	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 59 >

ID	Location	Details		
5	341m NE	Site Address: Brixton Road, Easton, Bristol Licence Holder Address: -	Waste Licence: - Site Reference: - Waste Type: - Environmental Permitting Regulations (Waste) Reference: - Licence Issue: - Licence Surrender: -	Operator: - Licence Holder: - First Recorded 31/12/1969 Last Recorded: 31/12/1970
8	434m SW	Site Address: Former Barton Hill Gas Holder Site, Folley Lane, St Phillips, Bristol, Avon Licence Holder Address: Malago House, Bedminster Road, Bristol, Avon	Waste Licence: Yes Site Reference: L/BL/T/156 Waste Type: Inert, Industrial, Household, Special Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 13/05/1984 Licence Surrender: 14/10/1992	Operator: - Licence Holder: South West Gas Distribution First Recorded 31/05/1984 Last Recorded: 31/12/1986
9	456m SW	Site Address: Former Barton Hill Gas Holder Site, Folley Lane, St Phillips, Bristol, Avon Licence Holder Address: Malago House, Bedminster Road, Bristol, Avon	Waste Licence: Yes Site Reference: L/BL/T/156 Waste Type: Inert, Industrial, Household, Special Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 13/05/1984 Licence Surrender: 14/10/1992	Operator: - Licence Holder: South West Gas Distribution First Recorded 31/05/1984 Last Recorded: 31/12/1986

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

3.5 Historical waste sites

Records within 500m	8

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 59 >

ID	Location	Address	Further Details	Date
C	208m 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	1966
D	259m SW	Site Address: N/A	Type of Site: Refuse Transfer Station Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1994
D	259m SW	Site Address: N/A	Type of Site: Refuse Transfer Station Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1990
D	263m SW	Site Address: N/A	Type of Site: Refuse Transfer Station Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1986
D	343m SW	Site Address: N/A	Type of Site: Refuse Transformer Station Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1988
F	429m 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	1967
F	429m 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	1964

ID	Location	Address	Further Details	Date
F	436m 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	1971

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 59 >

ID	Location	Details		
A	110m NE	Site Name: Trickey A A & J P Site Address: Unit E Berkeley Court Business Park, Earl Russel Way, Bristol, Avon, BS5 0BX Correspondence Address: -	Type of Site: Metal Recycling Site (mixed MRS's) Size: Unknown Environmental Permitting Regulations (Waste) Licence Number: 635064 EPR reference: EA/EPR/XP3999FX Operator: Anthony Alan Trickey & John Pierce Trickey Waste Management licence No: 27266 Annual Tonnage: 0	Issue Date: 21/04/1994 Effective Date: 21/04/1994 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Expired
A	110m NE	Site Name: Trickey A A & J P Site Address: Unit E Berkeley Court Business Park, Earl Russel Way, Bristol, Avon, BS5 0BX Correspondence Address: -	Type of Site: Metal Recycling Site (mixed MRS's) Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 626650 EPR reference: EA/EPR/XP3999FX Operator: Anthony Alan Trickey & John Pierce Trickey Waste Management licence No: 27266 Annual Tonnage: 30000	Issue Date: 21/04/1994 Effective Date: 21/04/1994 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Expired

ID	Location	Details		
A	120m NE	Site Name: Trickey A A & J P Site Address: EXEMPT, Berkeley Court Business Park, Unit E, Earl Russel Way, Lawrence Hill, Bristol, BS5 0BX Correspondence Address: -	Type of Site: Metal Recycling Site (mixed MRS's) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: TRI303 EPR reference: EA/EPR/XP3999FX/A001 Operator: Trickey A A & J P Waste Management licence No: 27266 Annual Tonnage: 30000	Issue Date: 21/04/1994 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Expired
A	120m NE	Site Name: Trickey & Trickey M R S (exempt) Site Address: EXEMPT, Berkeley Court, Unit E, Earl Russel Way, Lawrence Hill, Bristol, BS5 0BX Correspondence Address: Unit E, Berkeley Court, Unit E, Earl Russel Way, Lawrence Hill, Bristol, BS5 0BX	Type of Site: Metal Recycling Site (mixed MRS's) Size: Unknown Environmental Permitting Regulations (Waste) Licence Number: TRI303 EPR reference: - Operator: Trickey A A & J P Waste Management licence No: 27266 Annual Tonnage: 0	Issue Date: 21/04/1994 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
3	306m SW	Site Name: Days Road Transfer Station Site Address: Days Road Transfer Station, Days Road, St Phillips, Bristol, Avon, BS2 0QS Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 655724 EPR reference: EA/EPR/EB3703KF Operator: Bristol Waste Company Limited Waste Management licence No: 27195 Annual Tonnage: 150000	Issue Date: 28/03/1996 Effective Date: 28/03/1996 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
4	339m W	Site Name: Days Lane Warehouse Site Address: Days Lane Warehouse, Days Lane, St Philips, Bristol, Avon, BS2 0QA Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 655121 EPR reference: EA/EPR/LP3290FH Operator: The Sofa Project Waste Management licence No: 26193 Annual Tonnage: 4999	Issue Date: 05/06/2006 Effective Date: 05/06/2006 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Revoked

ID	Location	Details		
D	383m SW	Site Name: Great Western Waste Transfer Station Site Address: Days Road Railhead, Days Road, St Phillips, Bristol, Avon, BS2 0JE Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 647345 EPR reference: EA/EPR/EB3703HK Operator: Bristol Waste Company Limited Waste Management licence No: 27188 Annual Tonnage: 150000	Issue Date: 13/08/1993 Effective Date: 13/08/1993 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
G	440m SW	Site Name: Great Western Waste Transfer Station Site Address: Days Road Railhead, Days Road Railhead, Days Road, St Phillips, Bristol, Avon, BS2 0JE Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: AVO285 EPR reference: EA/EPR/JP3690FV/V002 Operator: Bristol City Council Waste Management licence No: 27188 Annual Tonnage: 150000	Issue Date: 13/08/1993 Effective Date: - Modified: 28/03/2007 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
G	440m SW	Site Name: Days Road Transfer Station Site Address: Days Road, Days Road Transfer Station, Days Road, St Phillips, Bristol, Avon, BS2 0QS Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: AVO278 EPR reference: EA/EPR/QP3890FL/V002 Operator: Bristol City Council Waste Management licence No: 27195 Annual Tonnage: 150000	Issue Date: 28/03/1996 Effective Date: - Modified: 28/03/2007 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified

ID	Location	Details		
G	440m SW	Site Name: Days Road Civic Amenity Site Site Address: Days Road Civic Amenity Site, Land / Premises At, Days Road, St Philips, Bristol, Avon, BS2 0QS Correspondence Address: -	Type of Site: Household Waste Amenity Site Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: AVO274 EPR reference: EA/EPR/QP3190FZ/V002 Operator: Bristol City Council Waste Management licence No: 27199 Annual Tonnage: 24999	Issue Date: 13/08/1993 Effective Date: - Modified: 01/03/2006 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
10	463m SW	Site Name: Days Road Household Waste Recycling Centre Site Address: Days Road, St Philips, Bristol, Avon, BS2 0QS Correspondence Address: -	Type of Site: Household Waste Amenity Site Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 639533 EPR reference: EA/EPR/EB3703LC Operator: Bristol Waste Company Limited Waste Management licence No: 27199 Annual Tonnage: 24999	Issue Date: 13/08/1993 Effective Date: 13/08/1993 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued

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

3.7 Waste exemptions

Records within 500m	53

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 59 >

ID	Location	Site	Reference	Category	Sub-Category	Description
A	66m N	-	WEX398003	Storing waste exemption	Not on a farm	Storage of waste in a secure place
A	67m N	Denmans Electrical Wholesalers Ltd Unit D Berkley Court Lawrence Hill Avon Bs5 0bx	EPR/UF0737RS/A001	Treating waste exemption	Non-agricultural waste only	Crushing waste fluorescent tubes
A	99m NE	Arch 5 Berkeley Court Business Park Lawrence Hill Avon Bs5 0bx	EPR/UE5081XN/A002	Storing waste exemption	Non-agricultural waste only	Storage of waste in secure containers

ID	Location	Site	Reference	Category	Sub-Category	Description
A	99m NE	Arch 5 Berkeley Court Business Park Lawrence Hill Avon Bs5 0bx	EPR/UE5081XN/A002	Storing waste exemption	Non-agricultural waste only	Storage of waste in a secure place
A	101m NE	Unit E, Earl Russell Way Lawrence Hill Bristol Bs5 0bx	EPR/UE5283LH/A001	Storing waste exemption	Non-agricultural waste only	Storage of waste in a secure place
A	101m NE	Unit E, Earl Russell Way Lawrence Hill Bristol Bs5 0bx	EPR/RF0131ZG/A001	Treating waste exemption	Non-agricultural waste only	Recovery of scrap metal
A	101m NE	Unit E, Earl Russell Way Lawrence Hill Bristol Bs5 0bx	EPR/RF0131ZG/A001	Using waste exemption	Non-agricultural waste only	Use of depolluted end-of-life vehicles for vehicle parts
A	108m NE	-	WEX404249	Treating waste exemption	Not on a farm	Recovery of scrap metal
A	109m NE	Berkeley Court Business Park, Unit E, Earl Russell Way, Lawrence Hill, Bristol, Bs5 0bx	WEX031331	Storing waste exemption	Not on a farm	Storage of waste in a secure place
A	109m NE	Berkeley Court Business Park, Unit E, Earl Russell Way, Lawrence Hill, Bristol, Bs5 0bx	WEX075477	Treating waste exemption	Not on a farm	Recovery of scrap metal
A	109m NE	Berkeley Court Business Park, Unit E, Earl Russell Way, Lawrence Hill, Bristol, Bs5 0bx	WEX075477	Using waste exemption	Not on a farm	Use of depolluted end-of-life vehicles for vehicle parts
A	109m NE	Berkeley Court Business Park, Unit E, Earl Russell Way, Lawrence Hill, Bristol, Bs5 0bx	WEX221440	Using waste exemption	Not on a farm	Use of depolluted end-of-life vehicles for vehicle parts
A	109m NE	Berkeley Court Business Park, Unit E, Earl Russell Way, Lawrence Hill, Bristol, Bs5 0bx	WEX221440	Treating waste exemption	Not on a farm	Recovery of scrap metal
B	126m N	Bristol Ambulance Station, Berkeley Annexe, Croydon Street, Bristol, Bs5 0da	WEX146882	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
B	127m N	Bristol Ambulance Station, Berkeley Annexe, Croydon Street, Bristol, Bs5 0da	WEX288506	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal

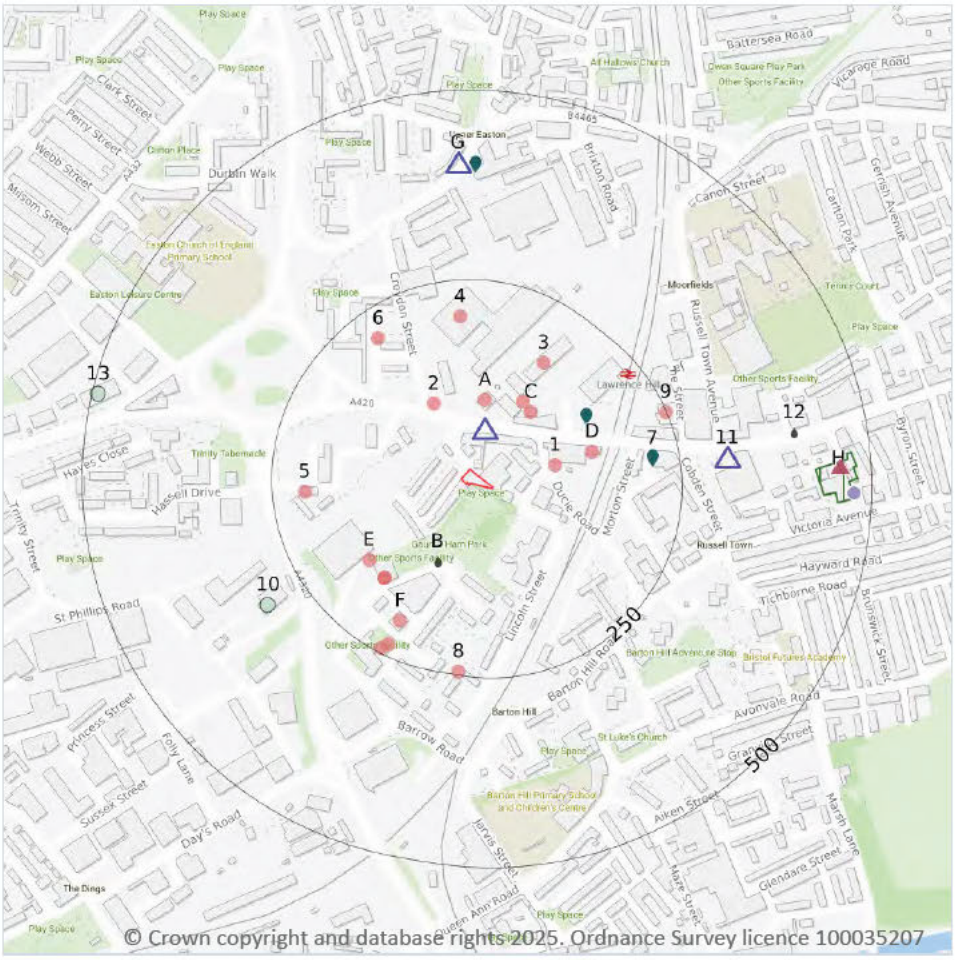
ID	Location	Site	Reference	Category	Sub-Category	Description
1	172m E	-	WEX104875	Disposing of waste exemption	Not on a farm	Disposal by incineration
C	215m NE	-	WEX131035	Disposing of waste exemption	Not on a farm	Disposal by incineration
2	278m SW	Big Yellow Self Storage Barrow Road Bristol Bs5 0ae	EPR/ZF0535WM/A001	Treating waste exemption	Non-agricultural waste only	Crushing waste fluorescent tubes
E	307m E	-	WEX135788	Using waste exemption	Not on a farm	Use of waste in construction
E	307m E	-	WEX135802	Using waste exemption	Not on a farm	Use of waste in construction
E	334m E	22, Church Road, Lawrence Hill, Bristol, Bs5 9ja	WEX282835	Treating waste exemption	Not on a farm	Cleaning, washing, spraying or coating relevant waste
E	334m E	22, Church Road, Lawrence Hill, Bristol, Bs5 9ja	WEX282835	Storing waste exemption	Not on a farm	Storage of waste in a secure place
D	359m SW	Industrial Warehouse Days Lane Bristol Bs2 0qa	EPR/XF0503XD/A001	Storing waste exemption	Non-agricultural waste only	Storage of waste in a secure place
D	359m SW	Industrial Warehouse Days Lane Bristol Bs2 0qa	EPR/XF0503XD/A001	Treating waste exemption	Non-agricultural waste only	Manual treatment of waste
D	359m SW	Industrial Warehouse Days Lane Bristol Bs2 0qa	EPR/XF0503XD/A001	Treating waste exemption	Non-agricultural waste only	Recovery of scrap metal
D	362m SW	Industrail Warehouse Days Lane St Philips Bristol Bs2 0qa	EA/EPR/VP3783WM/A001	Treating waste exemption	Non-agricultural waste only	Repair or refurbishment of WEEE
D	364m SW	Industrial Warehouse Days Lane Bristol Bs2 0qa	EPR/UF0603XR/A001	Storing waste exemption	Non-agricultural waste only	Storage of waste in secure containers
D	364m SW	Industrial Warehouse Days Lane Bristol Bs2 0qa	EPR/UF0603XR/A001	Storing waste exemption	Non-agricultural waste only	Storage of waste in a secure place
D	364m SW	Industrial Warehouse Days Lane Bristol Bs2 0qa	EPR/UF0603XR/A001	Using waste exemption	Non-agricultural waste only	Use of waste to manufacture finished goods

ID	Location	Site	Reference	Category	Sub-Category	Description
D	368m SW	Industrial Warehouse, Days Lane, St Philips, Bristol, Bs2 0qa	EA/EPR/VP3886YN/A001	Treating waste exemption	Not on a farm	Repair or refurbishment of WEEE
D	369m SW	Sofa Project Industrial Warehous, 3 Day's Lane, St Phillips, Bristol, Bs2 0qa	EXP/EP3941YT	Treating waste exemption	Not on a farm	Repair or refurbishment of WEEE
D	369m SW	Days Lane, St. Philips, Bristol, Bs2 0qa	WEX122613	Storing waste exemption	Not on a farm	Storage of waste in secure containers
D	369m SW	Days Lane, St. Philips, Bristol, Bs2 0qa	WEX122613	Storing waste exemption	Not on a farm	Storage of waste in a secure place
D	369m SW	Days Lane, St. Philips, Bristol, Bs2 0qa	WEX150275	Using waste exemption	Not on a farm	Use of waste for a specified purpose
D	369m SW	Days Lane, St. Philips, Bristol, Bs2 0qa	WEX135197	Treating waste exemption	Not on a farm	Recovery of textiles
D	369m SW	Days Lane, St. Philips, Bristol, Bs2 0qa	WEX135197	Storing waste exemption	Not on a farm	Storage of waste in secure containers
D	369m SW	Days Lane, St. Philips, Bristol, Bs2 0qa	WEX135197	Treating waste exemption	Not on a farm	Sorting mixed waste
D	369m SW	Days Lane, St. Philips, Bristol, Bs2 0qa	WEX135197	Treating waste exemption	Not on a farm	Manual treatment of waste
D	369m SW	Days Lane, St. Philips, Bristol, Bs2 0qa	WEX135197	Treating waste exemption	Not on a farm	Recovery of scrap metal
D	369m SW	Days Lane, St. Philips, Bristol, Bs2 0qa	WEX122613	Treating waste exemption	Not on a farm	Manual treatment of waste
D	369m SW	Days Lane, St. Philips, Bristol, Bs2 0qa	WEX122613	Treating waste exemption	Not on a farm	Recovery of scrap metal
D	369m SW	Days Lane, St. Philips, Bristol, Bs2 0qa	WEX122613	Using waste exemption	Not on a farm	Use of waste to manufacture finished goods
D	369m SW	Days Lane, St. Philips, Bristol, Bs2 0qa	WEX287587	Using waste exemption	Not on a farm	Use of waste for a specified purpose
D	369m SW	Days Lane, St. Philips, Bristol, Bs2 0qa	WEX418622	Using waste exemption	Not on a farm	Use of waste for a specified purpose
D	369m SW	Days Lane, St Phillips, Bristol, Bs2 0qa	EA/EPR/VP3987AA/A001	Treating waste exemption	Not on a farm	Repair or refurbishment of WEEE
D	369m SW	The Sofa Project, Days Lane, Bristol, Bs2 0qa	EXP/VP3987AA	Treating waste exemption	Not on a farm	Repair or refurbishment of WEEE

ID	Location	Site	Reference	Category	Sub-Category	Description
6	372m S	127, Queen Ann Road, Bristol, Bs5 9tj	WEX347075	Storing waste exemption	Not on a farm	Storage of waste in a secure place
D	374m SW	Days Lane, St. Philips, Bristol, Bs2 0qa	WEX221390	Storing waste exemption	Not on a farm	Storage of waste in a secure place
D	374m SW	Days Lane, St. Philips, Bristol, Bs2 0qa	WEX073548	Storing waste exemption	Not on a farm	Storage of waste in a secure place
D	375m SW	Industrial Warehouse Days Lane Bristol Bs2 0qa	EPR/BE5183WP/A001	Storing waste exemption	Non-agricultural waste only	Storage of waste in a secure place
7	375m W	-	WEX405217	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
G	440m SW	-	WEX145265	Using waste exemption	Not on a farm	Use of waste for a specified purpose
11	466m SE	Wellspring Surgery, Beam Street, Bristol, Bs5 9qy	WEX134212	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal

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

4 Current industrial land use



Site Outline

Search buffers in metres (m)

- Recent industrial land uses
- Current or recent petrol stations
- Regulated explosive sites
- Hazardous substance storage/usage
- Historical licensed industrial activities
- Licensed pollutant release (Part A(2)/B)
- Licensed Discharges to controlled waters
- Pollution Incidents (EA/NRW)

4.1 Recent industrial land uses

Records within 250m	19

Current potentially contaminative industrial sites.

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

ID	Location	Company	Address	Activity	Category
1	87m E	Ducie Road Business Park	Bristol, BS5	Business Parks and Industrial Estates	Industrial Features
A	94m N	Toro Corporation Ltd	Berkeley Court, Earl Russell Way, Lawrence Hill, Bristol, Bristol, BS5 0BX	Car Ports and Steel Buildings	Industrial Products

ID	Location	Company	Address	Activity	Category
2	99m NW	Electricity Sub Station	Bristol, BS5	Electrical Features	Infrastructure and Facilities
C	109m NE	Trickey Metals	Unit E Berkeley Court, Earl Russell Way, Lawrence Hill, Bristol, Bristol, BS5 0BX	Scrap Metal Merchants	Recycling Services
C	113m NE	Business Park	Bristol, BS5	Business Parks and Industrial Estates	Industrial Features
D	139m E	Gazelle Office Furniture Ltd	208-212, Lawrence Hill, Bristol, Bristol, BS5 0DR	Office and Shop Equipment	Industrial Products
E	162m SW	Electricity Sub Station	Bristol, BS5	Electrical Features	Infrastructure and Facilities
E	164m SW	Team Calendars	1, Peters Terrace, Lawrence Hill, Bristol, Bristol, BS5 0BW	Published Goods	Industrial Products
E	164m SW	Bristol Printhouse	1, Peters Terrace, Lawrence Hill, Bristol, Bristol, BS5 0BW	Published Goods	Industrial Products
E	164m SW	Whitehall Printing Co Ltd	1, Peters Terrace, Lawrence Hill, Bristol, Bristol, BS5 0BW	Published Goods	Industrial Products
3	171m NE	Burdens Ltd	Burdens Ltd, Earl Russell Way, Lawrence Hill, Bristol, Bristol, BS5 0WT	General Construction Supplies	Industrial Products
F	200m SW	Works	Bristol, BS5	Unspecified Works Or Factories	Industrial Features
4	202m N	Ambulance Station	Bristol, BS5	Ambulance and Medical Transportation Services	Health Support Services
5	208m W	Electricity Sub Station	Bristol, BS5	Electrical Features	Infrastructure and Facilities
6	211m NW	Electricity Sub Station	Bristol, BS5	Electrical Features	Infrastructure and Facilities
F	235m SW	Signboard Services Ltd	Digital House, Chancery Street, Lawrence Hill, Bristol, Bristol, BS5 0AZ	Signs	Industrial Products
F	243m SW	Works	Bristol, BS5	Unspecified Works Or Factories	Industrial Features
8	245m S	Electricity Sub Station	Bristol, BS5	Electrical Features	Infrastructure and Facilities

ID	Location	Company	Address	Activity	Category
9	249m NE	Bristol Accident Repair Centre Central	1, Jane Street, Lawrence Hill, Bristol, Bristol, BS5 9JD	Vehicle Repair, Testing and Servicing	Repair and Servicing

This data is sourced from Ordnance Survey.

4.2 Current or recent petrol stations

Records within 500m	3

Open, closed, under development and obsolete petrol stations.

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

ID	Location	Company	Address	LPG	Status
A	57m N	UNBRANDED	Church Road, Lawrence Hill, Bristol, Bristol, City Of, BS5 0DN	Not Applicable	Obsolete
11	312m E	UK	22, Church Road, Lawrence Hill, Bristol, Bristol, City Of, BS5 9JB	Not Applicable	Obsolete
G	405m N	ESSO	168, Easton Road, Easton, Bristol, Bristol, City Of, BS5 0ES	No	Open

This data is sourced from Experian.

4.3 Electricity cables

Records within 500m	0

High voltage underground electricity transmission cables.

This data is sourced from National Grid.

4.4 Gas pipelines

Records within 500m	0

High pressure underground gas transmission pipelines.

This data is sourced from National Grid.

4.5 Sites determined as Contaminated Land

Records within 500m	0

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

This data is sourced from Local Authority records.

4.6 Control of Major Accident Hazards (COMAH)

Records within 500m	0

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

This data is sourced from the Health and Safety Executive.

4.7 Regulated explosive sites

Records within 500m	1

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.

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

ID	Location	Company	Operational Address
H	427m E	Octavius Hunt Ltd	5 Dove Lane, Redfield, Bristol, BS5 9NQ

This data is sourced from the Health and Safety Executive.

4.8 Hazardous substance storage/usage

Records within 500m	1

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	
H	459m E	Application reference number: No Details Application status: Historical Consent Application date: No Details Address: Octavius Hunt, Dove Lane, Redfield, Bristol, Avon, England, BS5 9NQ	Details: No Details Enforcement: No Details Date of enforcement: No Details Comment: No Details

This data is sourced from Local Authority records.

4.9 Historical licensed industrial activities (IPC)

Records within 500m	4

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

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

ID	Location	Details	
H	477m E	Operator: Octavius Hunt Ltd Address: Dove Lane, Redfield, Bristol, BS5 9NQ Process: Pesticide Production Permit Number: AQ7054	Original Permit Number: IPCAPP Date Approved: 14-12-1995 Effective Date: 21-12-1995 Status: Superseded By Variation
H	477m E	Operator: Octavius Hunt Ltd Address: Dove Lane, Redfield, Bristol, BS5 9NQ Process: Pesticide Production Permit Number: AV4687	Original Permit Number: IPCMAJVAR Date Approved: 17-5-1996 Effective Date: 1-6-1996 Status: Superseded By Variation
H	477m E	Operator: Octavius Hunt Ltd Address: Dove Lane, Redfield, Bristol, BS5 9NQ Process: Pesticide Production Permit Number: AZ5618	Original Permit Number: IPCMAJVAR Date Approved: 13-11-1997 Effective Date: 20-11-1997 Status: Superseded By Variation
H	477m E	Operator: Octavius Hunt Ltd Address: Dove Lane, Redfield, Bristol, BS5 9NQ Process: Pesticide Production Permit Number: BE0899	Original Permit Number: IPCMINVAR Date Approved: 24-11-1998 Effective Date: 30-11-1998 Status: Revoked

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

4.10 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.

4.11 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	
D	154m NE	Elf Lawrence Hill, 152 Lawrence Hill, BS5 0DN	Process: Petrol Vapour Recovery Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notice
7	214m E	Shiners Autos, 22 Church Road, BG5 9JA	Process: Petrol Vapour Recovery Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notice
G	402m N	Easton Service Station, 168 Easton Road, Easton, BS5 0ES	Process: Unloading of Petrol into Storage at Service Stations Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notice

This data is sourced from Local Authority records.

4.12 Radioactive Substance Authorisations

Records within 500m	0

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

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

4.13 Licensed Discharges to controlled waters

Records within 500m	3

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

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

ID	Location	Address	Details	
B	109m S	PETERSTERRACE,NEARGAUNTSHAMPARK,BRISTOL	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 011235 Permit Version: 2 Receiving Water: BRISTOL AVON/FLOATING HARBOUR	Status: SURRENDERED UNDER EPR 2010 Issue date: 28/09/2010 Effective Date: 28/09/2010 Revocation Date: 17/04/2014
B	109m S	PETERSTERRACE,NEARGAUNTSHAMPARK,BRISTOL	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 011235 Permit Version: 1 Receiving Water: BRISTOL AVON/FLOATING HARBOUR	Status: TEMPORARY CONSENTS (WATER ACT 1989, SECTION 113) Issue date: - Effective Date: 12/09/1989 Revocation Date: 27/09/2010
12	404m E	CHURCHROAD,JUNCHEBERROAD,BRISTOL	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 011152 Permit Version: 1 Receiving Water: UNKNOWN	Status: REVOKED - UNSPECIFIED Issue date: - Effective Date: 12/09/1989 Revocation Date: 24/09/2003

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

4.14 Pollutant release to surface waters (Red List)

Records within 500m	0

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

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

4.15 Pollutant release to public sewer

Records within 500m	0

Discharges of Special Category Effluents to the public sewer.

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

4.16 List 1 Dangerous Substances

Records within 500m	0

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

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

4.17 List 2 Dangerous Substances

Records within 500m	0

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

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

4.18 Pollution Incidents (EA/NRW)

Records within 500m	2

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	
10	304m SW	Incident Date: 11/04/2001 Incident Identification: 2146 Pollutant: Agricultural Materials and Wastes Pollutant Description: Carcasses	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
13	492m W	Incident Date: 19/10/2001 Incident Identification: 37656 Pollutant: Contaminated Water Pollutant Description: Other Contaminated Water	Water Impact: Category 3 (Minor) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)

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

4.19 Pollution inventory substances

Records within 500m	0

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

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

4.20 Pollution inventory waste transfers

Records within 500m	0

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

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

4.21 Pollution inventory radioactive waste

Records within 500m	0

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

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

5 Hydrogeology - Superficial aquifer

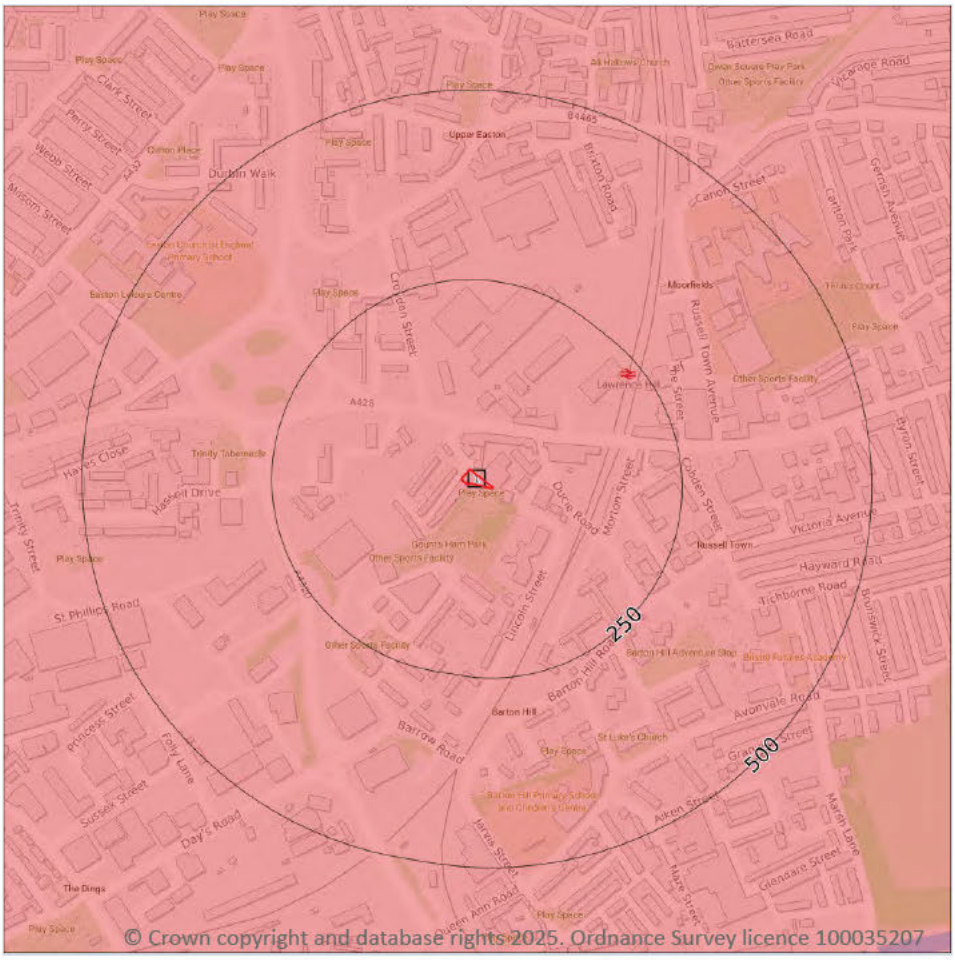
5.1 Superficial aquifer

Records within 500m	0

Aquifer status of groundwater held within superficial geology.

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

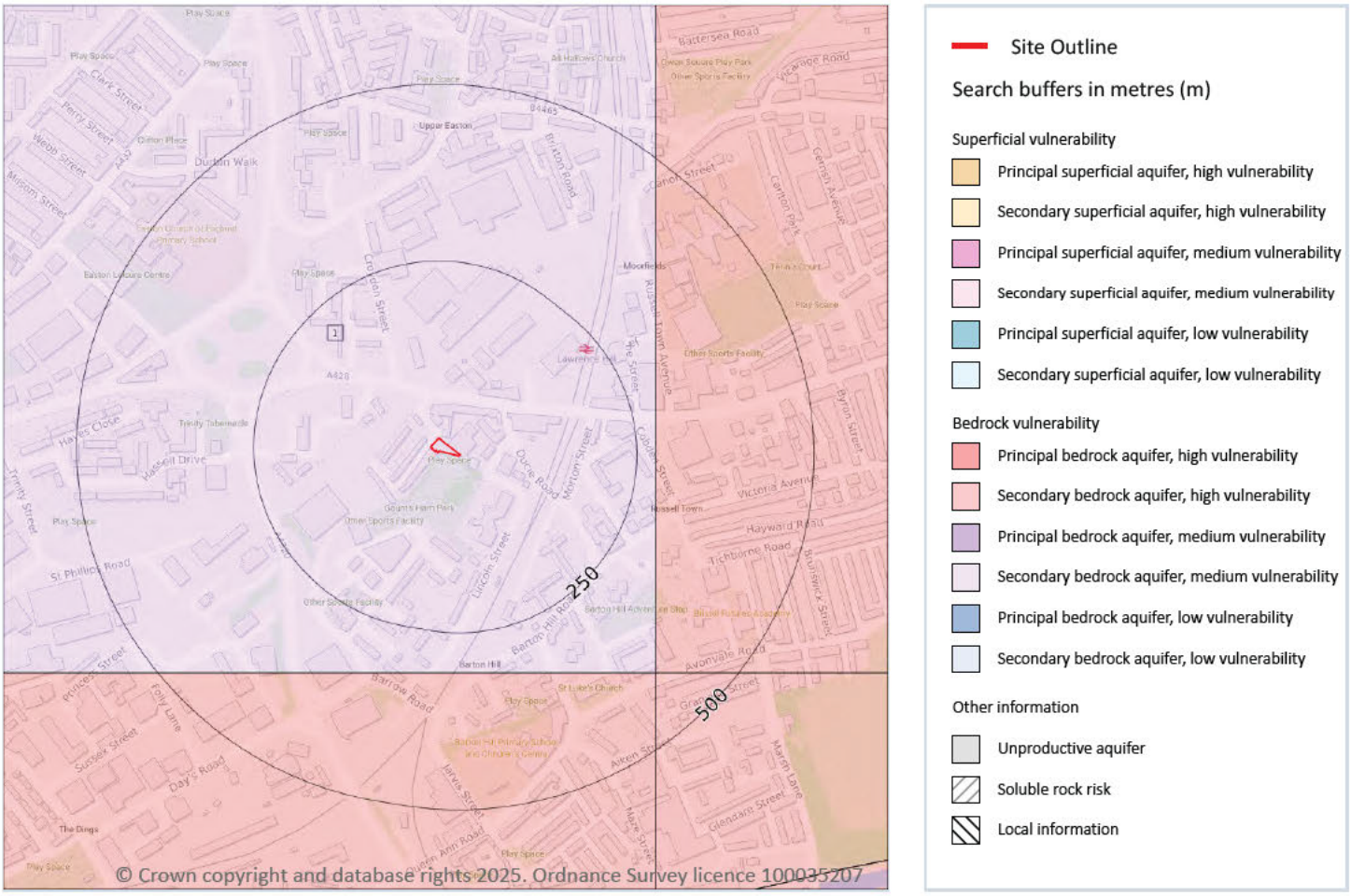
Aquifer status of groundwater held within bedrock geology.

Features are displayed on the Bedrock aquifer map on page 80 >

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

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

Groundwater vulnerability



5.3 Groundwater vulnerability

Records within 50m	1

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

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

Features are displayed on the Groundwater vulnerability map on page 81 >

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	On site	**Summary Classification: Secondary bedrock aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer**	**Leaching class: Intermediate Infiltration value: <40% Dilution value: 300-550mm/year**	**Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data**	**Vulnerability: Medium Aquifer type: Secondary Flow mechanism: Intergranular**

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

5.4 Groundwater vulnerability- soluble rock risk

Records on site	0

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

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

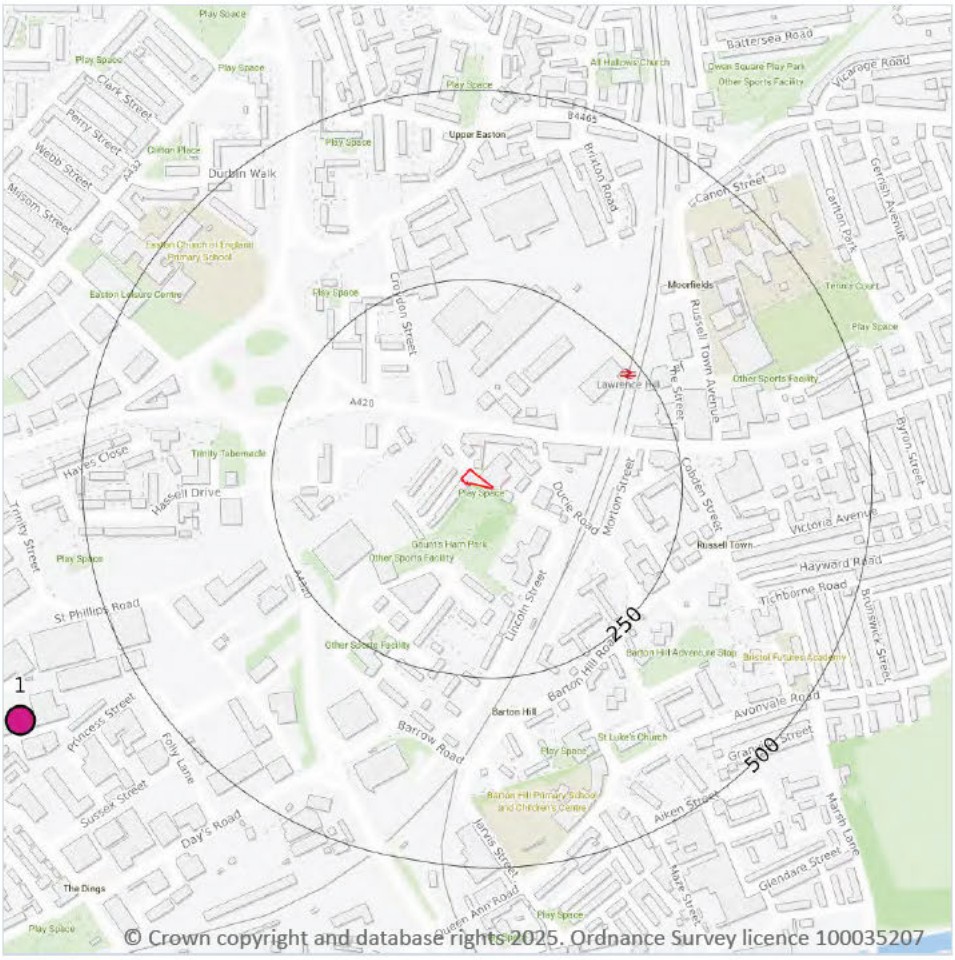
5.5 Groundwater vulnerability- local information

Records on site	0

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

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

Abstractions and Source Protection Zones



Site Outline

Search buffers in metres (m)

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

5.6 Groundwater abstractions

Records within 2000m	3

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 83 >

ID	Location	Details	
1	663m SW	Status: Historical Licence No: 17/53/001/G/454 Details: Process Water Direct Source: Ground Water - Fresh Point: BARTON MANOR Data Type: Point Name: Neptune Plating Ltd Easting: 360100 Northing: 173000	Annual Volume (m^3): 245280 Max Daily Volume (m^3): 672 Original Application No: - Original Start Date: 07/12/1995 Expiry Date: - Issue No: 100 Version Start Date: 07/12/1995 Version End Date: -
-	1285m SW	Status: Active Licence No: SW/053/0001/044 Details: Pollution Remediation Direct Source: Ground Water - Fresh Point: WELL POINTS AT TEMPLE ISLAND, CENTRAL BRISTOL Data Type: Poly4 Name: Sanctus Limited Easting: 359777 Northing: 172231	Annual Volume (m^3): 14400 Max Daily Volume (m^3): 40 Original Application No: NPS/WR/040978 Original Start Date: 30/09/2024 Expiry Date: 31/12/2025 Issue No: 1 Version Start Date: 30/09/2024 Version End Date: -
-	1596m W	Status: Historical Licence No: 17/53/001/G/102 Details: Non-Evaporative Cooling Direct Source: Ground Water - Fresh Point: BOREHOLE BATH STREET BRISTOL Data Type: Point Name: J G Bristol Ltd Easting: 359120 Northing: 172990	Annual Volume (m^3): 265490 Max Daily Volume (m^3): 727.37 Original Application No: - Original Start Date: 24/03/1966 Expiry Date: - Issue No: 103 Version Start Date: 17/10/2003 Version End Date: -

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

5.7 Surface water abstractions

Records within 2000m	17

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 83 >

ID	Location	Details	
-	1081m SW	Status: Historical Licence No: SW/053/0002/001/R01 Details: Non-Evaporative Cooling Direct Source: Surface Water - Fresh Point: ABSTRACTION POINT A - FEEDER CANAL, FLOATING HARBOUR Data Type: Point Name: Chanson Foods Easting: 359927 Northing: 172544	Annual Volume (m^3): 80000 Max Daily Volume (m^3): 480 Original Application No: NPS/WR/021708 Original Start Date: 01/04/2017 Expiry Date: 31/03/2029 Issue No: 1 Version Start Date: 01/04/2017 Version End Date: -
-	1081m SW	Status: Historical Licence No: SW/053/0002/001 Details: Non-Evaporative Cooling Direct Source: Surface Water - Fresh Point: ABSTRACTION POINT A - FEEDER CANAL, FLOATING HARBOUR Data Type: Point Name: Chanson Foods Easting: 359927 Northing: 172544	Annual Volume (m^3): 175200 Max Daily Volume (m^3): 480 Original Application No: - Original Start Date: 11/04/2011 Expiry Date: 31/03/2017 Issue No: 1 Version Start Date: 11/04/2011 Version End Date: -
-	1084m SE	Status: Historical Licence No: SW/053/0001/028 Details: Hydroelectric Power Generation Direct Source: Surface Water - Fresh Point: RIVER AVON AT NETHAM WEIR Data Type: Point Name: Bristol Energy Co-Operative Easting: 361542 Northing: 172597	Annual Volume (m^3): 315000000 Max Daily Volume (m^3): 1728000 Original Application No: NPS/WR/035375 Original Start Date: 21/03/2019 Expiry Date: 31/03/2029 Issue No: 2 Version Start Date: 05/11/2021 Version End Date: -
-	1127m SW	Status: Active Licence No: 17/53/001/S/471/R01 Details: Heat Pump Direct Source: Surface Water - Fresh Point: FLOATING HARBOUR BRISTOL- POINT A SERVING BUILDING ND4 Data Type: Point Name: The National Farmers Union Mutual Insurance Society Limited Easting: 359758 Northing: 172673	Annual Volume (m^3): 471397 Max Daily Volume (m^3): 3232 Original Application No: NPS/WR/021701 Original Start Date: 26/05/2017 Expiry Date: 31/03/2029 Issue No: 1 Version Start Date: 26/05/2017 Version End Date: -

ID	Location	Details	
-	1127m SW	Status: Historical Licence No: 17/53/001/S/471 Details: Non-Evaporative Cooling Direct Source: Surface Water - Fresh Point: FLOATING HARBOUR BRISTOL- POINT A SERVING BUILDING ND4 Data Type: Point Name: The National Farmers Union Mutual Insurance Society Limited Easting: 359758 Northing: 172673	Annual Volume (m^3): 471397 Max Daily Volume (m^3): 3232 Original Application No: - Original Start Date: 10/11/2007 Expiry Date: 31/03/2017 Issue No: 103 Version Start Date: 14/03/2011 Version End Date: -
-	1127m SW	Status: Historical Licence No: 17/53/001/S/471 Details: Heat Pump Direct Source: Surface Water - Fresh Point: FLOATING HARBOUR BRISTOL- POINT A SERVING BUILDING ND4 Data Type: Point Name: The National Farmers Union Mutual Insurance Society Limited Easting: 359758 Northing: 172673	Annual Volume (m^3): 471397 Max Daily Volume (m^3): 3232 Original Application No: - Original Start Date: 10/11/2007 Expiry Date: 31/03/2017 Issue No: 104 Version Start Date: 06/03/2014 Version End Date: -
-	1128m SW	Status: Active Licence No: 17/53/001/S/471/R01 Details: Heat Pump Direct Source: Surface Water - Fresh Point: FLOATING HARBOUR BRISTOL- POINT B SERVING BUILDING ND4 Data Type: Point Name: The National Farmers Union Mutual Insurance Society Limited Easting: 359756 Northing: 172674	Annual Volume (m^3): 471397 Max Daily Volume (m^3): 3232 Original Application No: NPS/WR/021701 Original Start Date: 26/05/2017 Expiry Date: 31/03/2029 Issue No: 1 Version Start Date: 26/05/2017 Version End Date: -
-	1128m SW	Status: Historical Licence No: 17/53/001/S/471 Details: Non-Evaporative Cooling Direct Source: Surface Water - Fresh Point: FLOATING HARBOUR BRISTOL- POINT B SERVING BUILDING ND4 Data Type: Point Name: The National Farmers Union Mutual Insurance Society Limited Easting: 359756 Northing: 172674	Annual Volume (m^3): 471397 Max Daily Volume (m^3): 3232 Original Application No: - Original Start Date: 10/11/2007 Expiry Date: 31/03/2017 Issue No: 103 Version Start Date: 14/03/2011 Version End Date: -

ID	Location	Details	
-	1128m SW	Status: Historical Licence No: 17/53/001/S/471 Details: Heat Pump Direct Source: Surface Water - Fresh Point: FLOATING HARBOUR BRISTOL- POINT B SERVING BUILDING ND4 Data Type: Point Name: The National Farmers Union Mutual Insurance Society Limited Easting: 359756 Northing: 172674	Annual Volume (m^3): 471397 Max Daily Volume (m^3): 3232 Original Application No: - Original Start Date: 10/11/2007 Expiry Date: 31/03/2017 Issue No: 104 Version Start Date: 06/03/2014 Version End Date: -
-	1128m SW	Status: Active Licence No: SW/053/0002/008 Details: Non-Evaporative Cooling Direct Source: Surface Water - Fresh Point: FLOATING HARBOUR BRISTOL- POINT A SERVING BUILDING ND3 Data Type: Point Name: Glass Wharf JV Limited Easting: 359754 Northing: 172676	Annual Volume (m^3): 1731780 Max Daily Volume (m^3): 8036 Original Application No: NPS/WR/026214 Original Start Date: 15/05/2019 Expiry Date: 31/03/2029 Issue No: 1 Version Start Date: 15/05/2019 Version End Date: -
-	1128m SW	Status: Historical Licence No: 17/53/001/S/470 Details: Non-Evaporative Cooling Direct Source: Surface Water - Fresh Point: FLOATING HARBOUR BRISTOL- POINT A SERVING BUILDING ND3 Data Type: Point Name: Castlemore (Temple Quay 2) Ltd Easting: 359754 Northing: 172676	Annual Volume (m^3): 1172018 Max Daily Volume (m^3): 8036 Original Application No: - Original Start Date: 10/11/2007 Expiry Date: 31/03/2017 Issue No: 102 Version Start Date: 11/11/2007 Version End Date: -
-	1130m SW	Status: Active Licence No: SW/053/0002/008 Details: Non-Evaporative Cooling Direct Source: Surface Water - Fresh Point: FLOATING HARBOUR BRISTOL- POINT B SERVING BUILDING ND3 Data Type: Point Name: Glass Wharf JV Limited Easting: 359752 Northing: 172677	Annual Volume (m^3): 1731780 Max Daily Volume (m^3): 8036 Original Application No: NPS/WR/026214 Original Start Date: 15/05/2019 Expiry Date: 31/03/2029 Issue No: 1 Version Start Date: 15/05/2019 Version End Date: -

ID	Location	Details	
-	1130m SW	Status: Historical Licence No: 17/53/001/S/470 Details: Non-Evaporative Cooling Direct Source: Surface Water - Fresh Point: FLOATING HARBOUR BRISTOL- POINT B SERVING BUILDING ND3 Data Type: Point Name: Castlemore (Temple Quay 2) Ltd Easting: 359752 Northing: 172677	Annual Volume (m^3): 1172018 Max Daily Volume (m^3): 8036 Original Application No: - Original Start Date: 10/11/2007 Expiry Date: 31/03/2017 Issue No: 102 Version Start Date: 11/11/2007 Version End Date: -
-	1467m W	Status: Active Licence No: SW/053/0002/011 Details: Heat Pump Direct Source: Surface Water - Fresh Point: BRISTOL FROME FLOATING HARBOUR Data Type: Point Name: Bristol Heat Networks Limited Easting: 359241 Northing: 173046	Annual Volume (m^3): 4512276 Max Daily Volume (m^3): 12363 Original Application No: NPS/WR/038508 Original Start Date: 09/12/2020 Expiry Date: 31/03/2029 Issue No: 2 Version Start Date: 21/07/2023 Version End Date: -
-	1603m S	Status: Historical Licence No: 17/53/001/S/456 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Surface Water - Fresh Point: RIVER AVON Data Type: Point Name: Bristol Rubbish Clearance 1994 Ltd Easting: 360430 Northing: 171730	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 24/03/1998 Expiry Date: - Issue No: 100 Version Start Date: 24/03/1998 Version End Date: -
-	1650m W	Status: Active Licence No: SW/053/0002/019 Details: Heat Pump Direct Source: Surface Water - Fresh Point: BRISTOL FLOATING HARBOUR POINT A Data Type: Point Name: Dyson Technology Limited Easting: 359076 Northing: 172941	Annual Volume (m^3): 538276 Max Daily Volume (m^3): 6220 Original Application No: NPS/WR/042983 Original Start Date: 24/01/2025 Expiry Date: 31/03/2029 Issue No: 1 Version Start Date: 24/01/2025 Version End Date: -
-	1652m W	Status: Active Licence No: SW/053/0002/019 Details: Heat Pump Direct Source: Surface Water - Fresh Point: BRISTOL FLOATING HARBOUR POINT B Data Type: Point Name: Dyson Technology Limited Easting: 359074 Northing: 172940	Annual Volume (m^3): 538276 Max Daily Volume (m^3): 6220 Original Application No: NPS/WR/042983 Original Start Date: 24/01/2025 Expiry Date: 31/03/2029 Issue No: 1 Version Start Date: 24/01/2025 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.

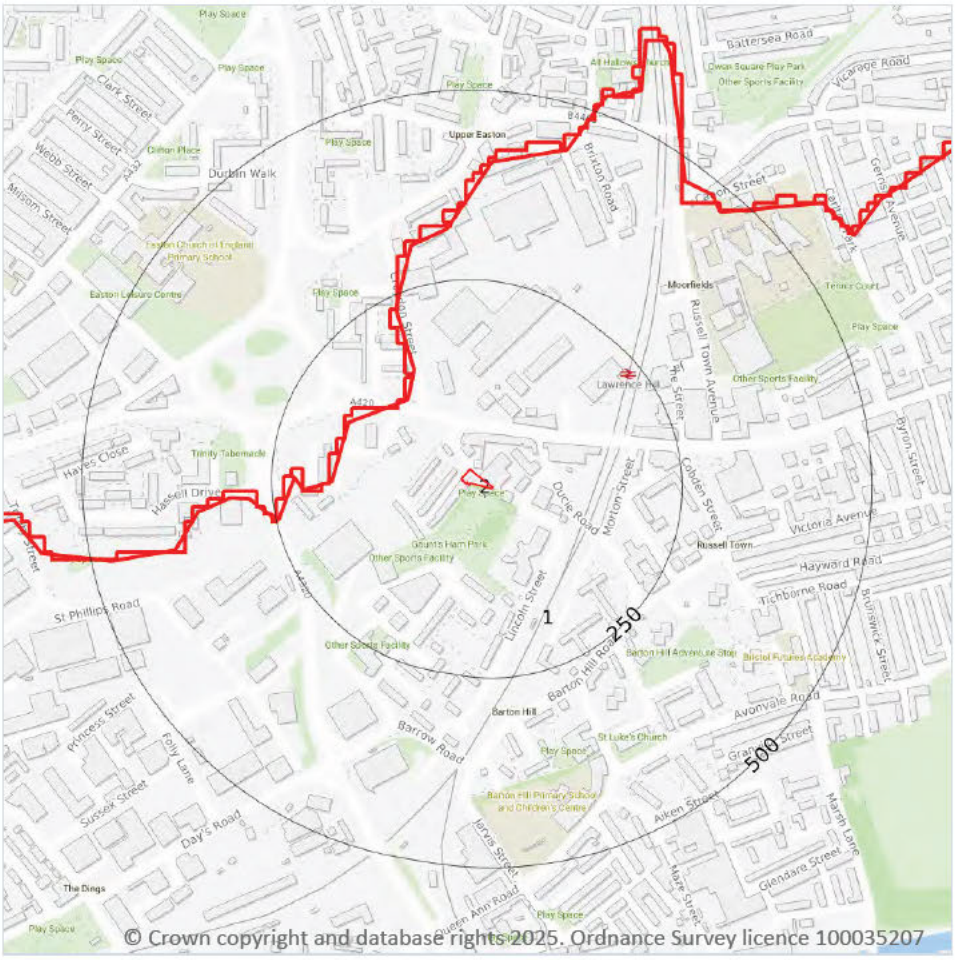
5.10 Source Protection Zones (confined aquifer)

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



6.1 Water Network (OS MasterMap)

Records within 250m	0

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

This data is sourced from the Ordnance Survey.

6.2 Surface water features

Records within 250m	0

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

This data is sourced from the Ordnance Survey.

6.3 WFD Surface water body catchments

Records on site	1

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

Features are displayed on the Hydrology map on page 90 >

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
1	On site	Coastal Catchment	Not part of a river WB catchment	157	Bristol Avon Rural	Avon Bristol and North Somerset Streams

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

6.4 WFD Surface water bodies

Records identified	0

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.

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 90 >

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
2	On site	Bristol Triassic	GB40902G804800 ↗	Good	Good	Good	2019

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

7 River and coastal flooding

Site Outline

Search buffers in metres (m)

River and coastal flooding:

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

7.1 Risk of flooding from rivers and 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	2

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.

Features are displayed on the River and coastal flooding map on page 93 >

ID	Location	Event name	Date of flood	Flood source	Flood cause	Type of flood
1	22m NE	Ea112_Bristol, Lawrence Hill 1980	1980-07-29 1980-07-29	Sewer	Other	No data
2	116m NE	Ea112_Sw_Bristol, Lawrence Hill Station 1937	1937-07-15 1937-07-15	Drainage	Local drainage/surface water	No data

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

7.3 Flood Defences

Records within 250m	0

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

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

7.4 Areas Benefiting from Flood Defences

Records within 250m	0

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

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

7.5 Flood Storage Areas

Records within 250m	0

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

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

River and coastal flooding - Flood Zones

7.6 Flood Zone 2

Records within 50m	0

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

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

7.7 Flood Zone 3

Records within 50m	0

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

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

8 Surface water flooding

Site Outline
Search buffers in metres (m)

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

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

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

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

8.1 Surface water flooding

Highest risk on site	**Negligible**
Highest risk within 50m	**1 in 30 year, 0.3m - 1.0m**

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

Features are displayed on the Surface water flooding map on page 97 >

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

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

Return period	Maximum modelled depth
1 in 1000 year	Negligible
1 in 250 year	Negligible
1 in 100 year	Negligible
1 in 30 year	Negligible

This data is sourced from Ambiental Risk Analytics.

9 Groundwater flooding

9.1 Groundwater flooding

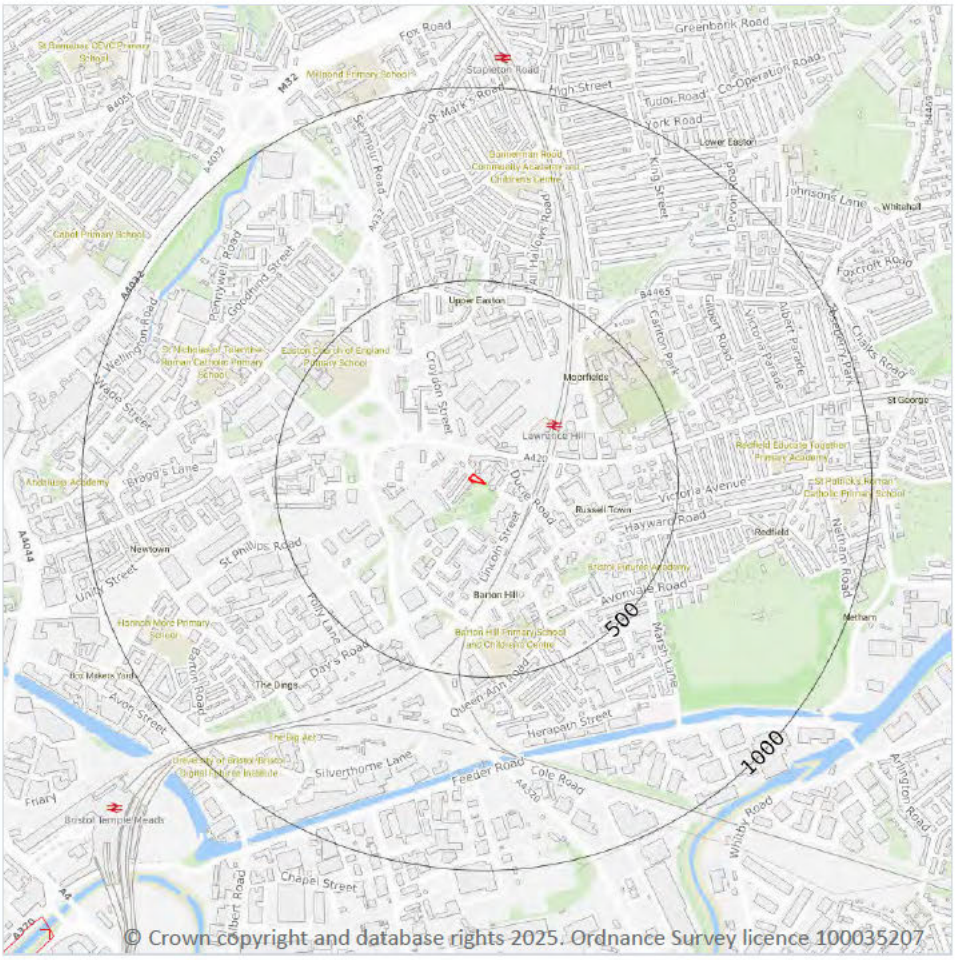
Highest risk on site	**Negligible**
Highest risk within 50m	**Negligible**

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 99 >**

This data is sourced from Ambiental Risk Analytics.

10 Environmental designations



10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m	0

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

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

10.2 Conserved wetland sites (Ramsar sites)

Records within 2000m	0

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

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

10.3 Special Areas of Conservation (SAC)

Records within 2000m	0

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

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

10.4 Special Protection Areas (SPA)

Records within 2000m	0

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

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

10.5 National Nature Reserves (NNR)

Records within 2000m	0

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

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

10.6 Local Nature Reserves (LNR)

Records within 2000m	4

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

Features are displayed on the Environmental designations map on page 100 >

ID	Location	Name	Data source
1	1580m SW	Avon New Cut	Natural England
-	1719m N	Narroways Millennium Green	Natural England
-	1746m N	Narroways Millennium Green	Natural England
-	1806m NE	Royate Hill	Natural England

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

10.7 Designated Ancient Woodland

Records within 2000m	0

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

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

10.8 Biosphere Reserves

Records within 2000m	0

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

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

10.9 Forest Parks

Records within 2000m	0

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

This data is sourced from the Forestry Commission.

10.10 Marine Conservation Zones

Records within 2000m	0

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

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

10.11 Green Belt

Records within 2000m	0

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

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

10.12 Proposed Ramsar sites

Records within 2000m	0

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

This data is sourced from Natural England.

10.13 Possible Special Areas of Conservation (pSAC)

Records within 2000m	0

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

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

10.14 Potential Special Protection Areas (pSPA)

Records within 2000m	0

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

This data is sourced from Natural England.

10.15 Nitrate Sensitive Areas

Records within 2000m	0

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

This data is sourced from Natural England.

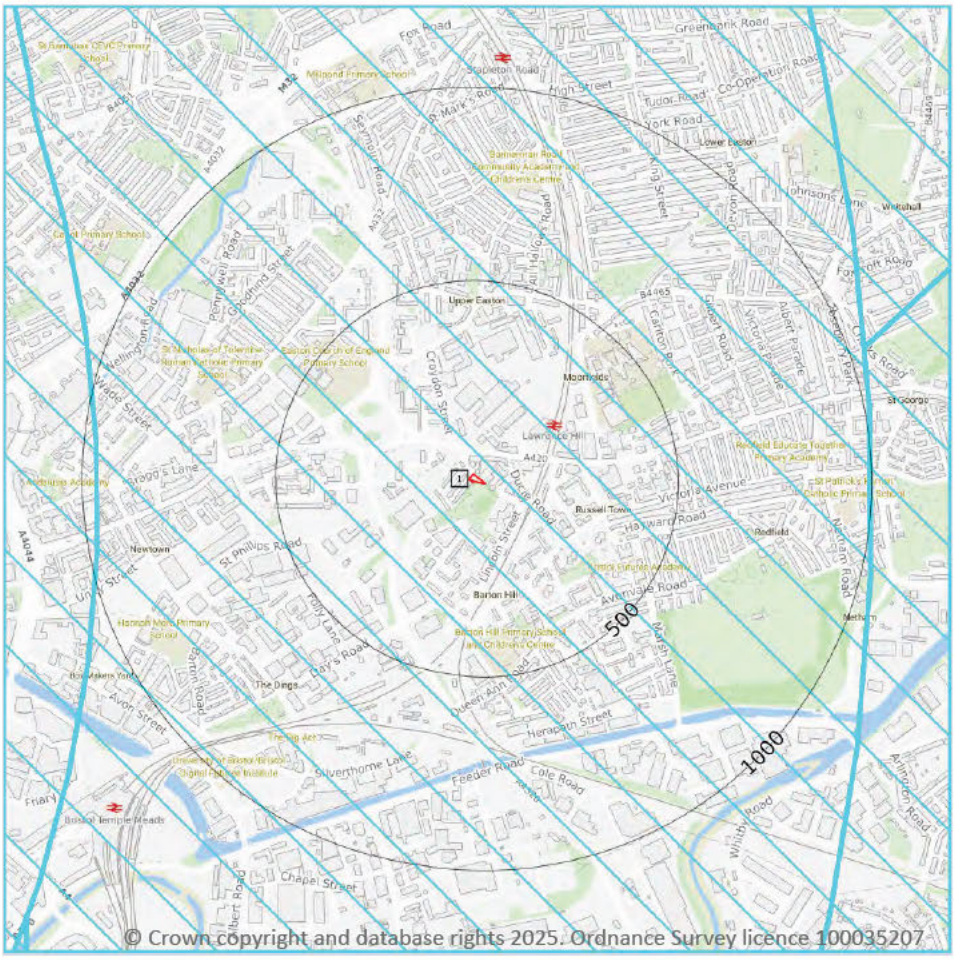
10.16 Nitrate Vulnerable Zones

Records within 2000m	0

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

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

SSSI Impact Zones and Units



Site Outline

Search buffers in metres (m)

SSSI Impact Risk Zones

SSSI Units

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

10.17 SSSI Impact Risk Zones

Records on site	1

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

Features are displayed on the SSSI Impact Zones and Units map on page 105 >

ID	Location	Type of developments requiring consultation
1	On site	https://irz.geodata.org.uk/IRZ/step2.html?irzcode=0303000430050&notes=&location=359716,171166%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.

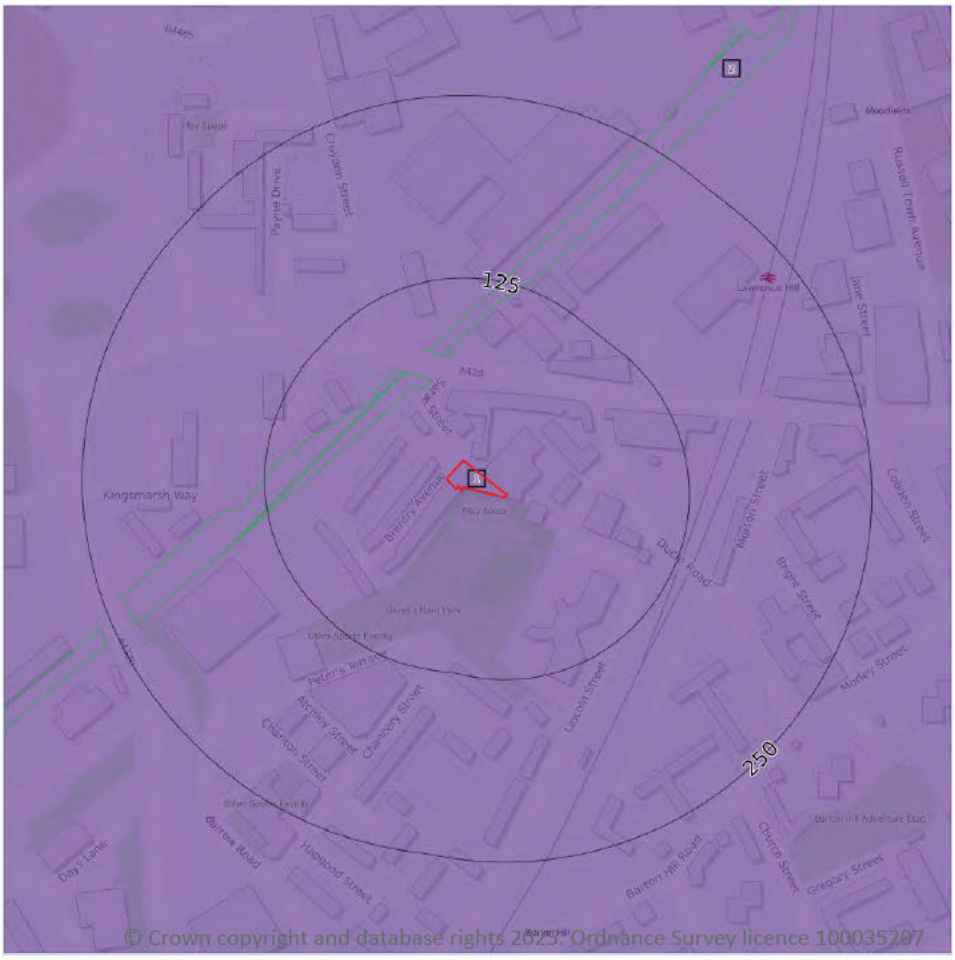
11.7 Registered Parks and Gardens

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 109 >

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	1

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.

Features are displayed on the Agricultural designations map on **page 109 >**

ID	Location	Description	Reference	Application date
2	56m NW	Selective Fell/Thin (Conditional)	018/231/09-10	18/12/2009

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	11

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

Features are displayed on the Habitat designations map on page 111 >

ID	Location	Main Habitat	Other habitats
A	**On site**	**Deciduous woodland**	**Main habitat: DWOOD (INV > 50%)**
B	27m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
A	35m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
B	47m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)

ID	Location	Main Habitat	Other habitats
B	61m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
B	61m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
B	77m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
B	79m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
B	80m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
B	87m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
B	95m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)

This data is sourced from Natural England.

13.2 Habitat Networks

Records within 250m	0

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

This data is sourced from Natural England.

13.3 Open Mosaic Habitat

Records within 250m	0

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

This data is sourced from Natural England.

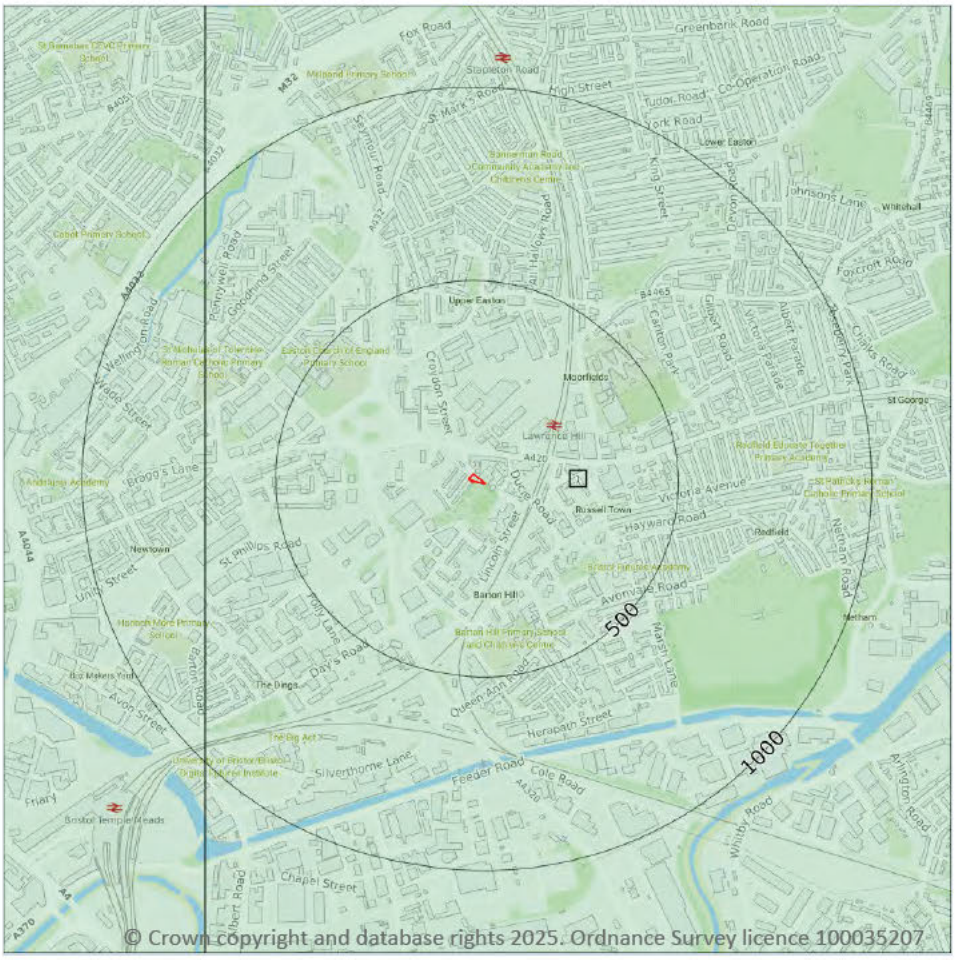
13.4 Limestone Pavement Orders

Records within 250m	0

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

This data is sourced from Natural England.

14 Geology 1:10,000 scale - Availability



Site Outline

Search buffers in metres (m)

Full coverage

Partial coverage

No coverage

14.1 10k Availability

Records within 500m	1

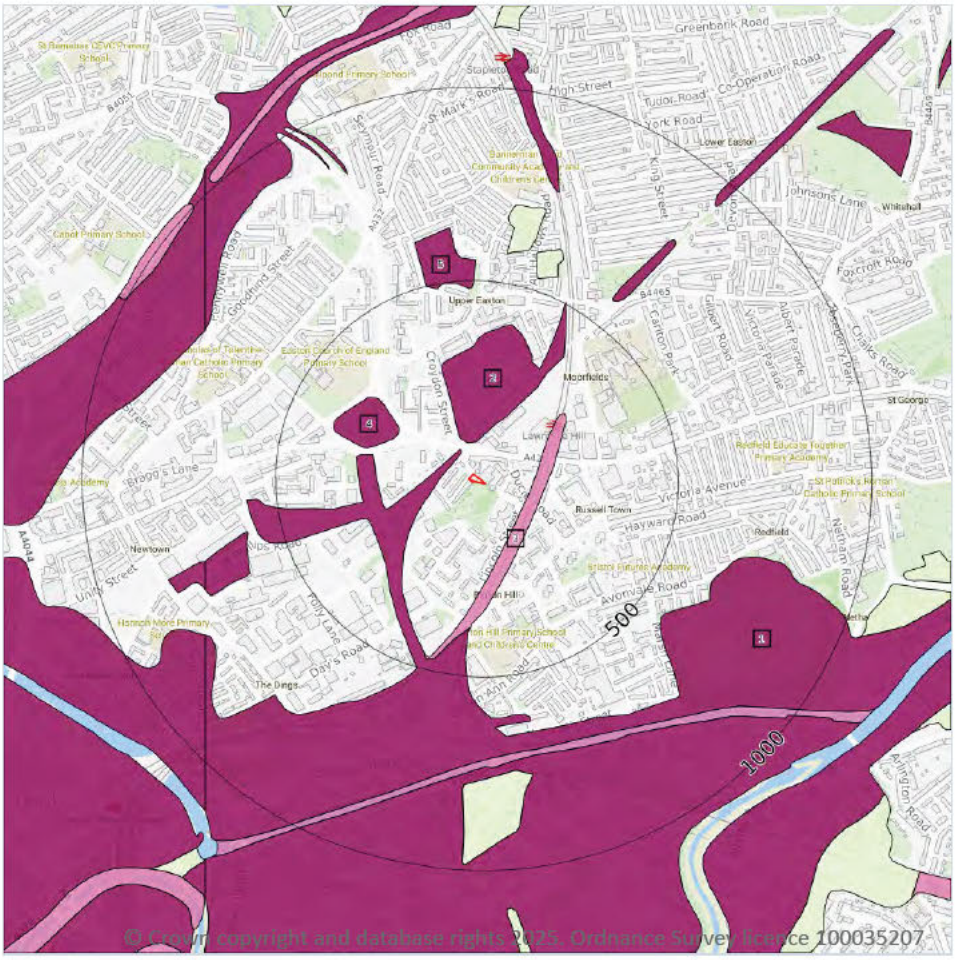
An indication on the coverage of 1:10,000 scale geology data for the site, the most detailed dataset provided by the British Geological Survey. Either 'Full', 'Partial' or 'No coverage' for each geological theme.

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

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	No coverage	ST67SW

This data is sourced from the British Geological Survey.

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



Site Outline

Search buffers in metres (m)

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

14.2 Artificial and made ground (10k)

Records within 500m	5

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

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

ID	Location	LEX Code	Description	Rock description
1	57m NW	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
2	82m N	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
3	115m SE	WGR-VOID	Worked Ground (Undivided)	Void
4	217m NW	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit

ID	Location	LEX Code	Description	Rock description
5	479m N	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit

This data is sourced from the British Geological Survey.

Geology 1:10,000 scale - Superficial

14.3 Superficial geology (10k)

Records within 500m	0

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.

This data is sourced from the British Geological Survey.

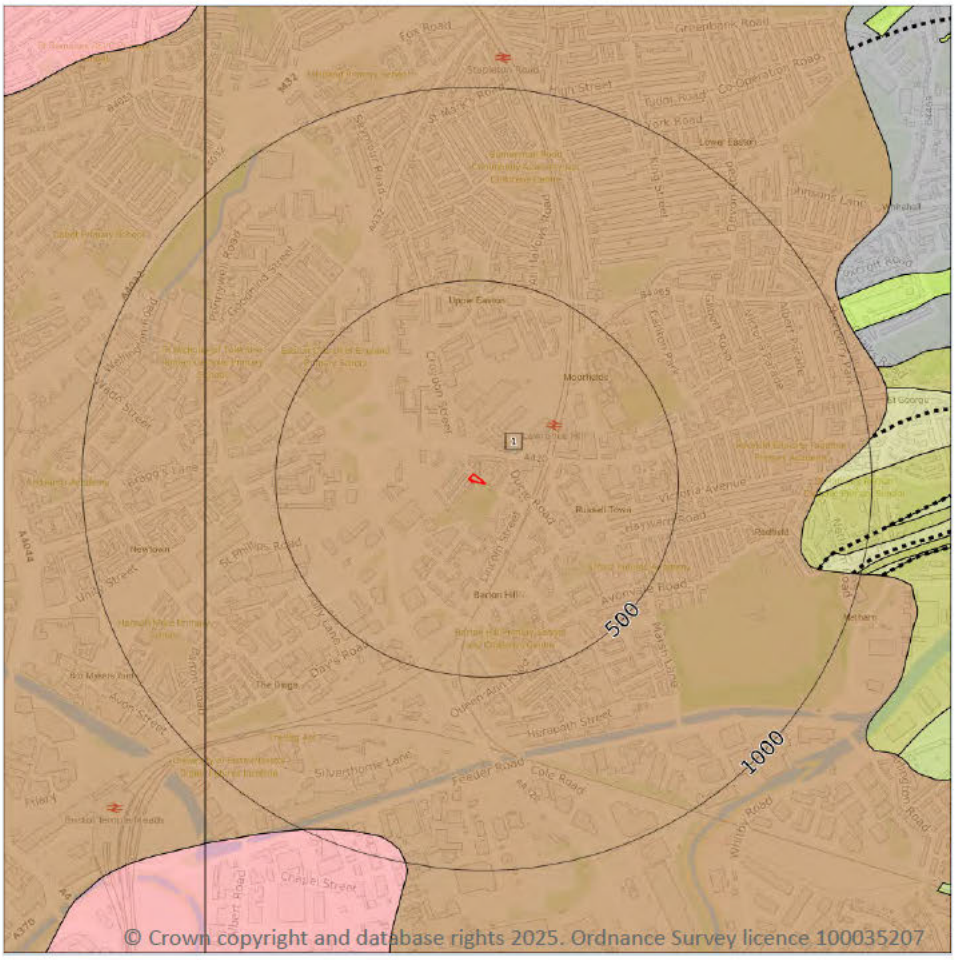
14.4 Landslip (10k)

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	1

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

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

ID	Location	LEX Code	Description	Rock age
1	On site	RESA-SDST	Redcliffe Sandstone Member - Sandstone	Triassic Period

This data is sourced from the British Geological Survey.

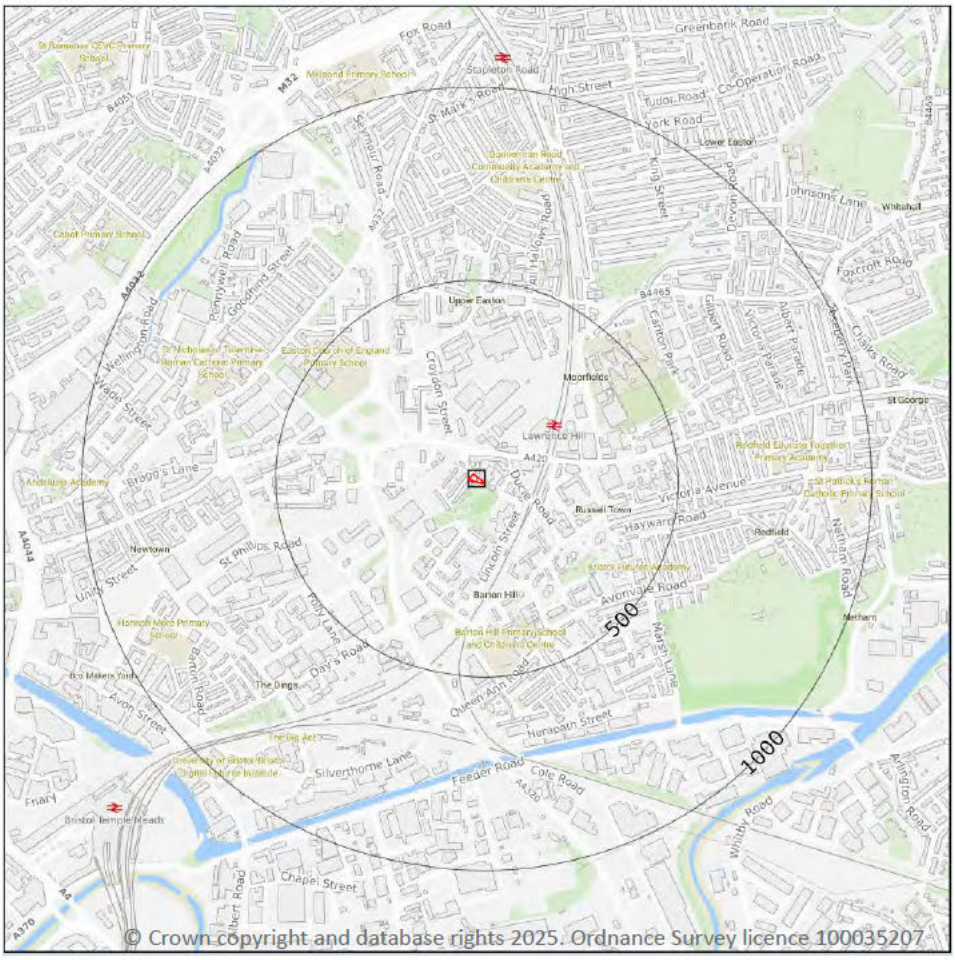
14.6 Bedrock faults and other linear features (10k)

Records within 500m	0

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.

This data is sourced from the British Geological Survey.

15 Geology 1:50,000 scale - Availability



Site Outline

Search buffers in metres (m)

Geological map tile

15.1 50k Availability

Records within 500m	1

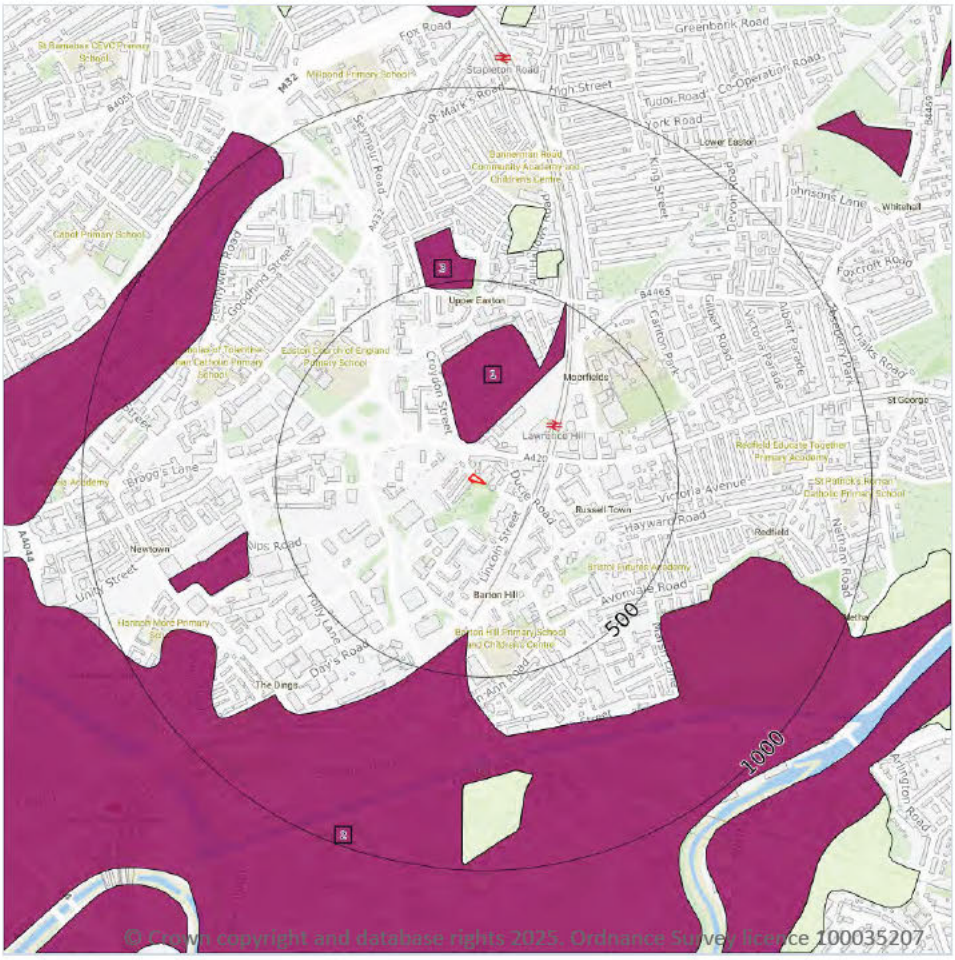
An indication on the coverage of 1:50,000 scale geology data for the site. Either 'Full' or 'No coverage' for each geological theme.

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

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	Full	EW264_bristol_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	3

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

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

ID	Location	LEX Code	Description	Rock description
1	82m N	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT
2	385m S	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT
3	480m N	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT

This data is sourced from the British Geological Survey.

15.3 Artificial ground permeability (50k)

Records within 50m	0

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

This data is sourced from the British Geological Survey.

Geology 1:50,000 scale - Superficial

15.4 Superficial geology (50k)

Records within 500m	0

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.

This data is sourced from the British Geological Survey.

15.5 Superficial 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 superficial deposits (the zone between the land surface and the water table).

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.

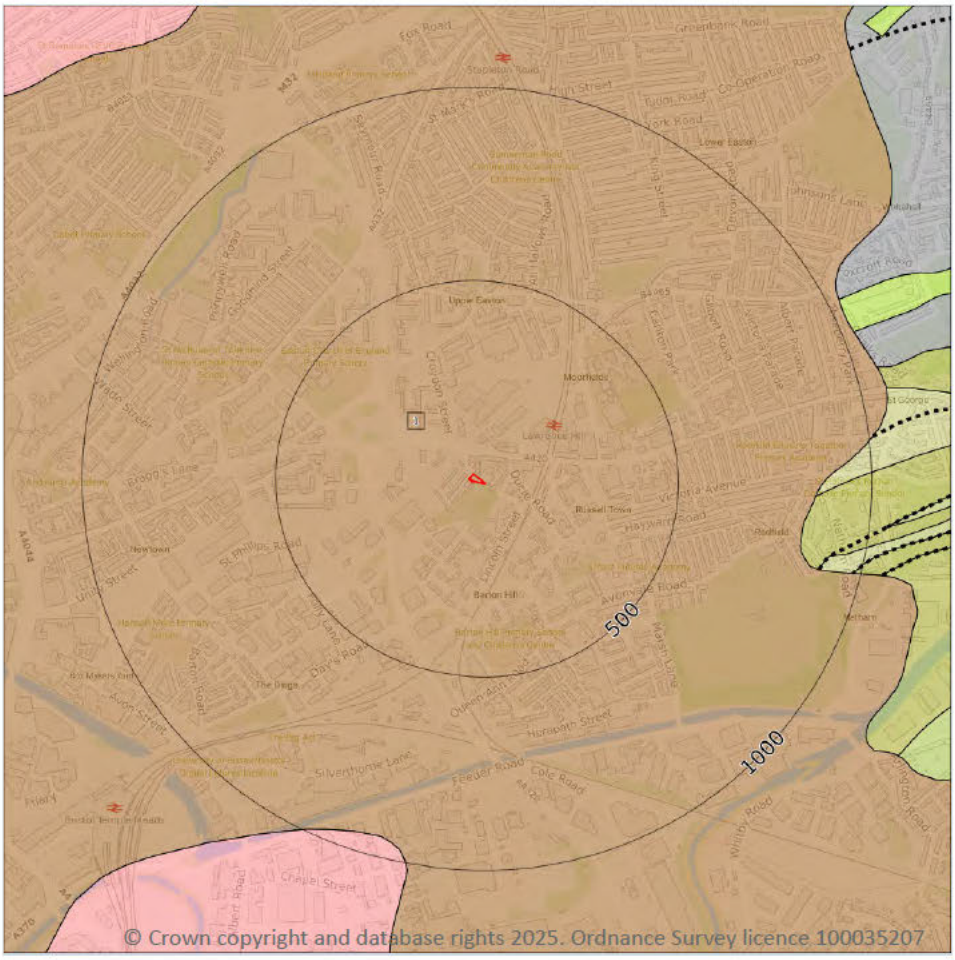
15.7 Landslip permeability (50k)

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	1

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 124 >

ID	Location	LEX Code	Description	Rock age
1	On site	RESA-SDST	REDCLIFFE SANDSTONE MEMBER - SANDSTONE	-

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	**Intergranular**	**High**	**Moderate**

This data is sourced from the British Geological Survey.

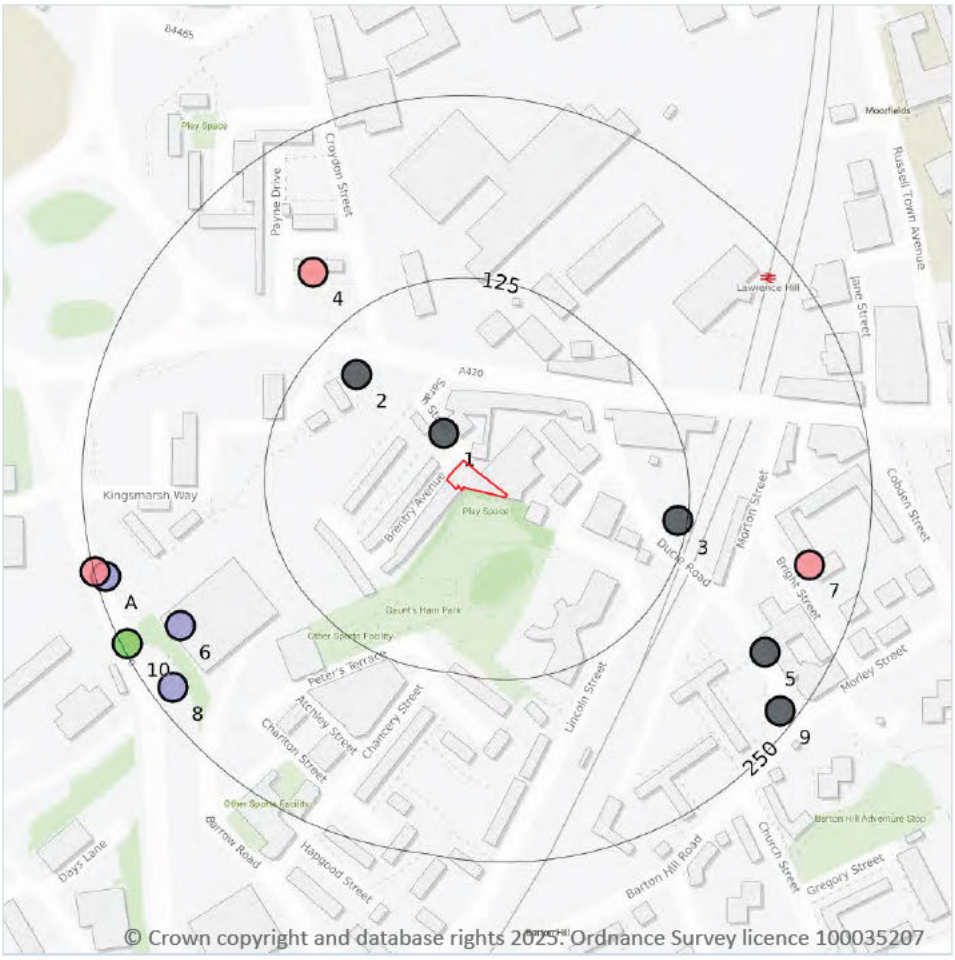
15.10 Bedrock faults and other linear features (50k)

Records within 500m	0

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.

This data is sourced from the British Geological Survey.

16 Boreholes



Site Outline

Search buffers in metres (m)

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

16.1 BGS Boreholes

Records within 250m	12

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.

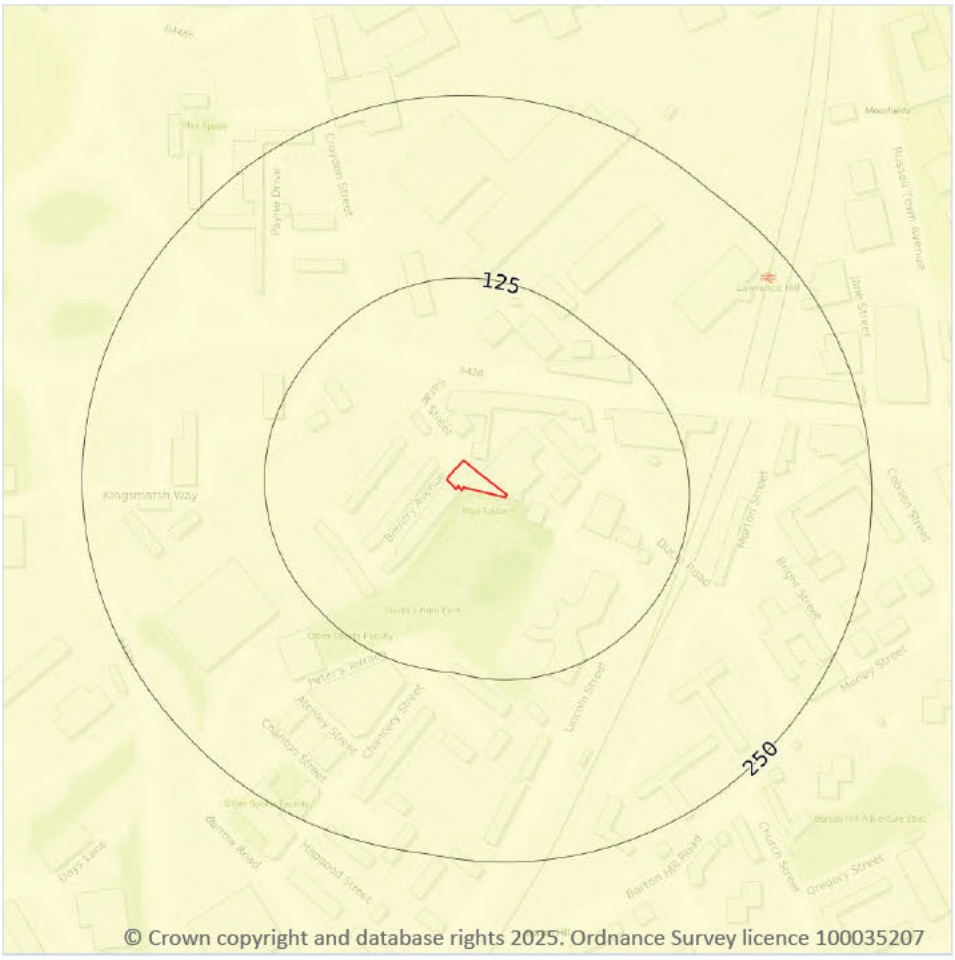
Features are displayed on the Boreholes map on page 126 >

ID	Location	Grid reference	Name	Length	Confidential	Web link
1	23m NW	360680 173350	N FOUL WATER INT 12A	-	Y	N/A
2	94m NW	360620 173390	N FOUL WATER INT 12	-	Y	N/A
3	119m E	360840 173290	N FOUL WATER INT 13	-	Y	N/A

ID	Location	Grid reference	Name	Length	Confidential	Web link
4	165m NW	360590 173460	EASTON SITE NO.8 BRISTOL	60.96	N	391112 ↗
5	207m SE	360900 173200	N FOUL WATER INT 13A	-	Y	N/A
6	209m SW	360499 173218	BRISTOL SPINE ROAD TP 3A	3.5	N	391353 ↗
7	213m E	360930 173260	THOMAS STREET (RUSSELL TOWN) BRISTOL	49.37	N	391113 ↗
8	236m SW	360494 173176	BRISTOL SPINE ROAD TP 4	4.6	N	391354 ↗
9	238m SE	360910 173160	N FOUL WATER INT 13B	-	Y	N/A
A	243m W	360448 173252	BRISTOL SPINE ROAD TP 2	2.4	N	391351 ↗
10	246m SW	360463 173206	BRISTOL SPINE ROAD 2	24.2	N	391257 ↗
A	249m W	360441 173255	BRISTOL SPINE ROAD 1A	32.0	N	391256 ↗

This data is sourced from the British Geological Survey.

17 Natural ground subsidence - Shrink swell clays



17.1 Shrink swell clays

Records within 50m	1

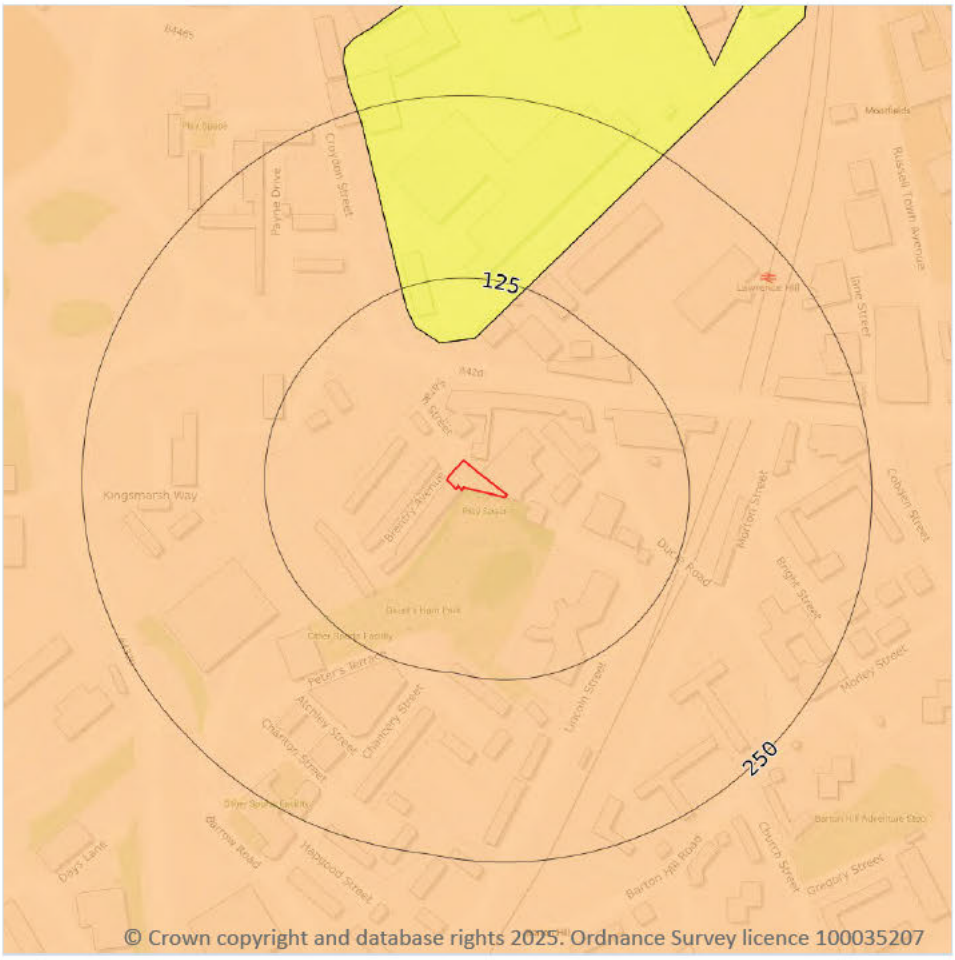
The potential hazard presented by soils that absorb water when wet (making them swell), and lose water as they dry (making them shrink). This shrink-swell behaviour is controlled by the type and amount of clay in the soil, and by seasonal changes in the soil moisture content (related to rainfall and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

Features are displayed on the Natural ground subsidence - Shrink swell clays map on page 128 >

Location	Hazard rating	Details
On site	**Negligible**	**Ground conditions predominantly non-plastic.**

This data is sourced from the British Geological Survey.

Natural ground subsidence - Running sands



Site Outline

Search buffers in metres (m)

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

17.2 Running sands

Records within 50m	1

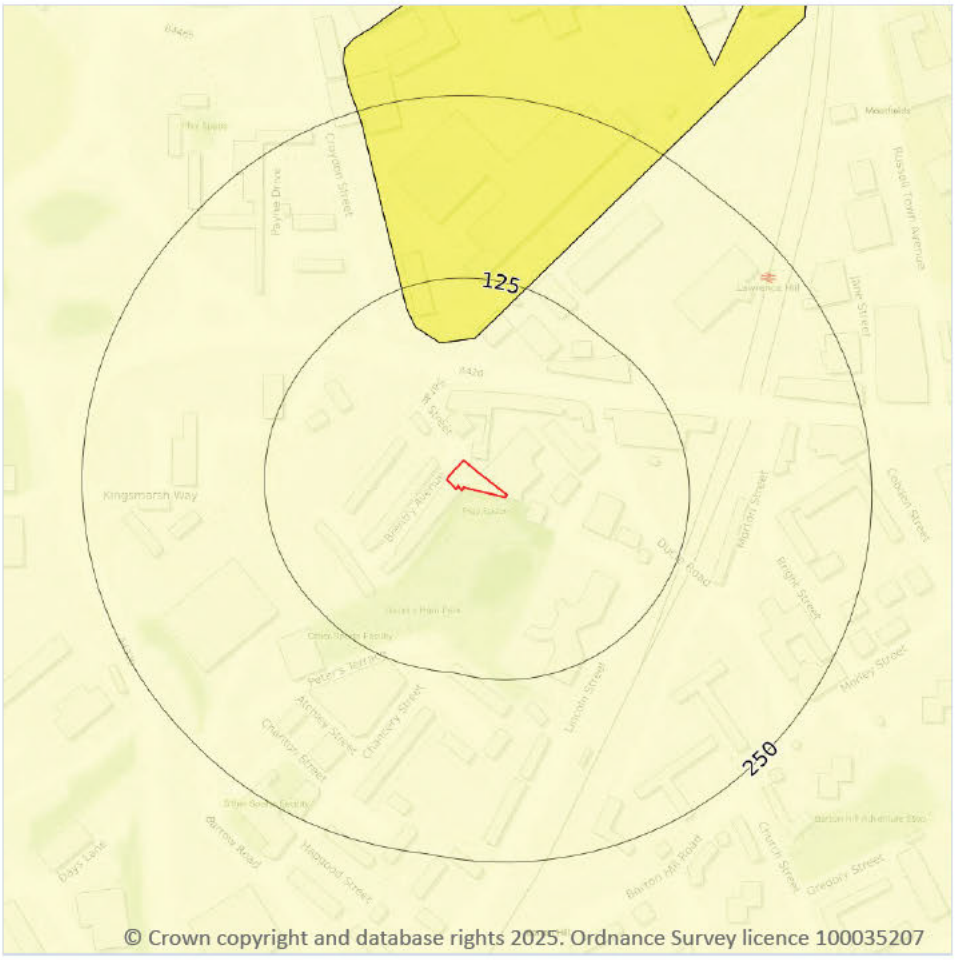
The potential hazard presented by rocks that can contain loosely-packed sandy layers that can become fluidised by water flowing through them. Such sands can 'run', removing support from overlying buildings and causing potential damage.

Features are displayed on the Natural ground subsidence - Running sands map on page 129 >

Location	Hazard rating	Details
On site	**Low**	**Running sand conditions may be present. Constraints may apply to land uses involving excavation or the addition or removal of water.**

This data is sourced from the British Geological Survey.

Natural ground subsidence - Compressible deposits



Site Outline

Search buffers in metres (m)

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

17.3 Compressible deposits

Records within 50m	1

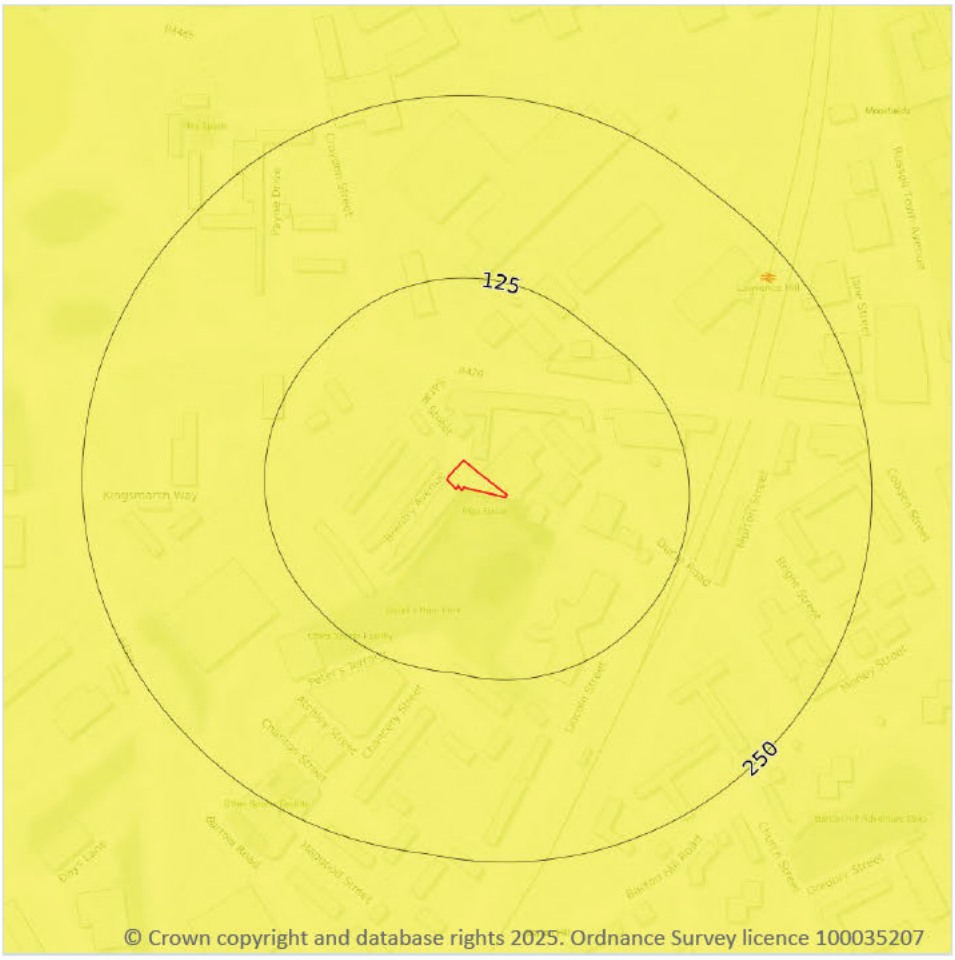
The potential hazard presented by types of ground that may contain layers of very soft materials like clay or peat and may compress if loaded by overlying structures, or if the groundwater level changes, potentially resulting in depression of the ground and disturbance of foundations.

Features are displayed on the Natural ground subsidence - Compressible deposits map on page 130 >

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

This data is sourced from the British Geological Survey.

Natural ground subsidence - Collapsible deposits



Site Outline

Search buffers in metres (m)

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

17.4 Collapsible deposits

Records within 50m	1

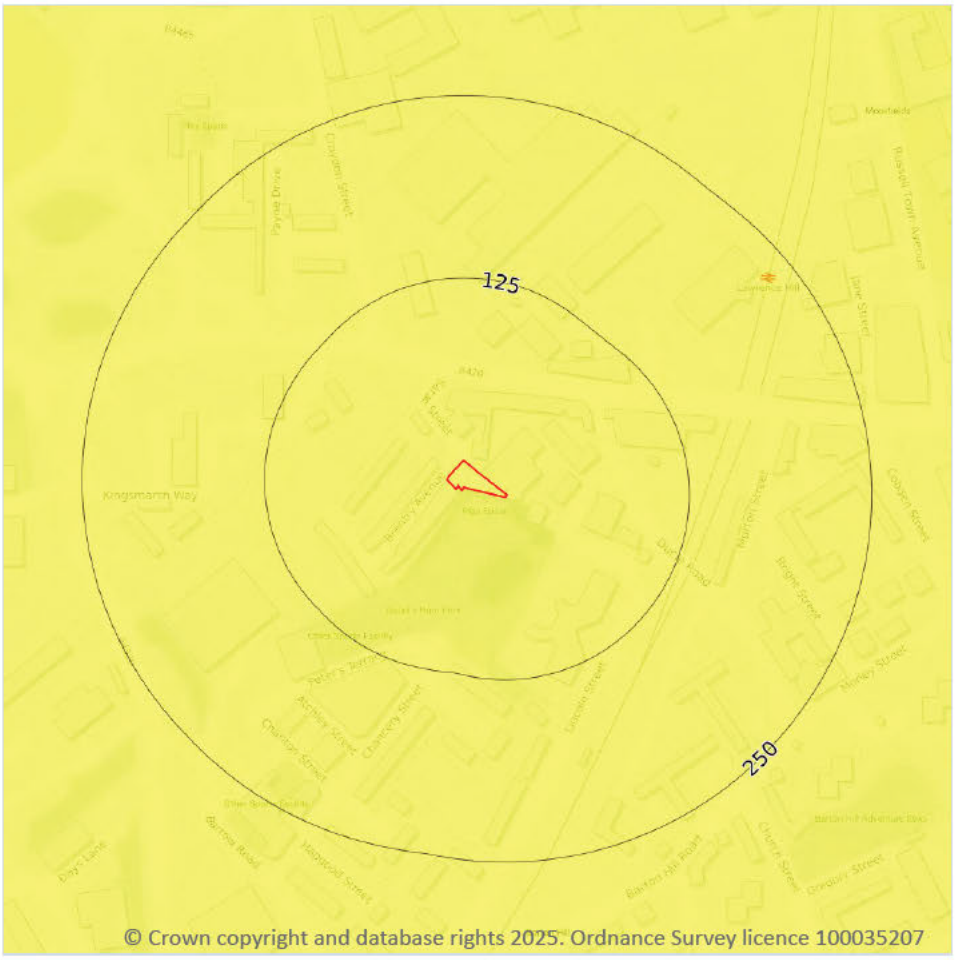
The potential hazard presented by natural deposits that could collapse when a load (such as a building) is placed on them or they become saturated with water.

Features are displayed on the Natural ground subsidence - Collapsible deposits map on page 131 >

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

This data is sourced from the British Geological Survey.

Natural ground subsidence - Landslides



Site Outline

Search buffers in metres (m)

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

17.5 Landslides

Records within 50m	1

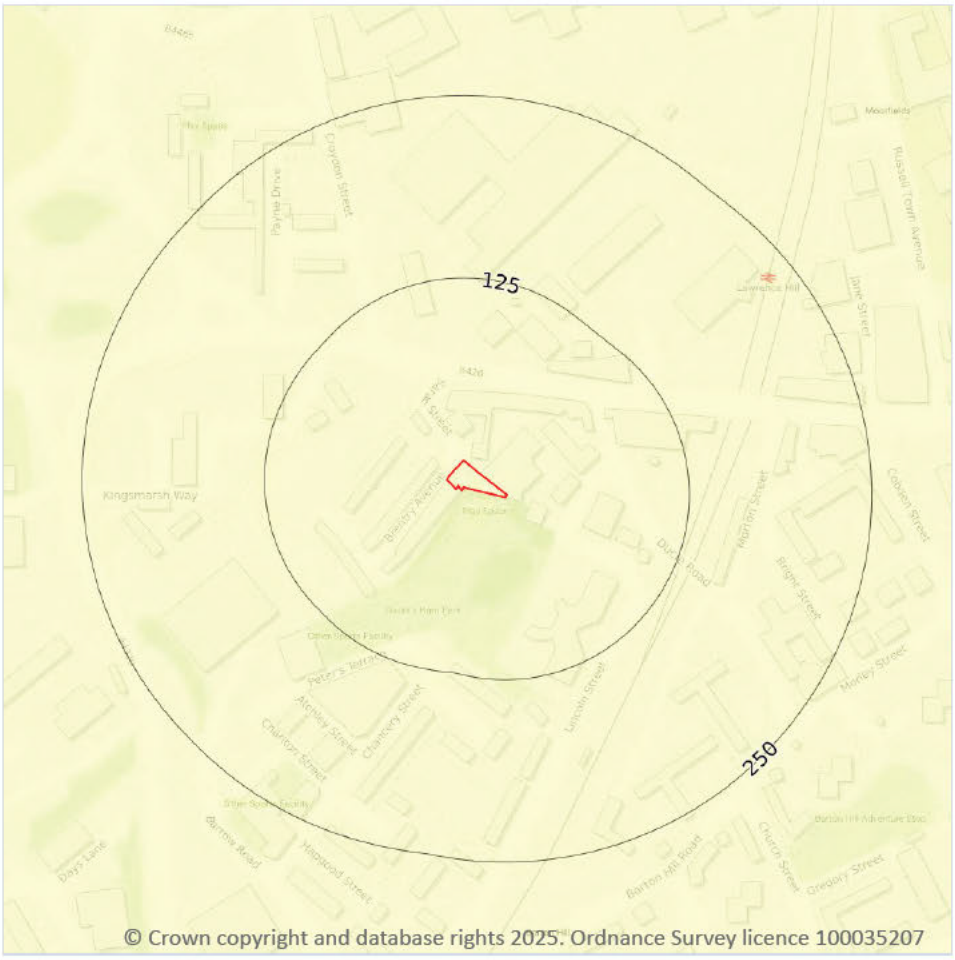
The potential for landsliding (slope instability) to be a hazard assessed using 1:50,000 scale digital maps of superficial and bedrock deposits, combined with information from the BGS National Landslide Database and scientific and engineering reports.

Features are displayed on the Natural ground subsidence - Landslides map on page 132 >

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

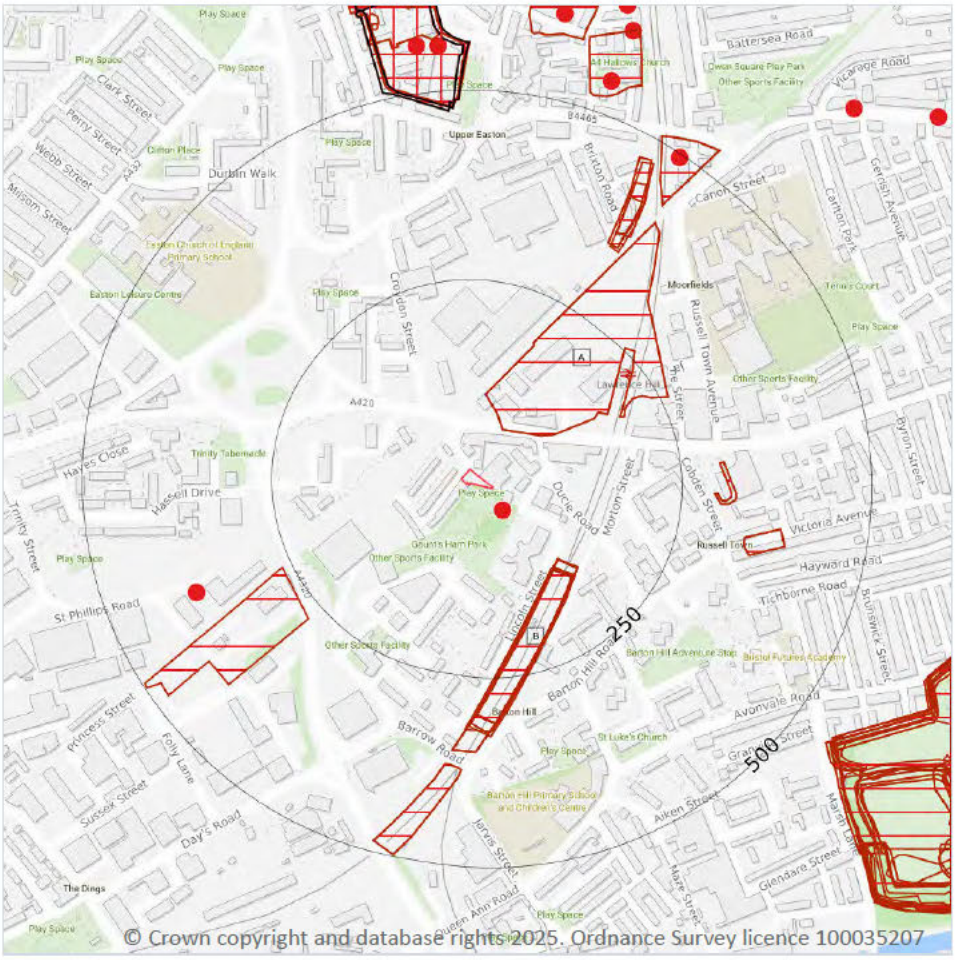
The potential hazard presented by ground dissolution, which occurs when water passing through soluble rocks produces underground cavities and cave systems. These cavities reduce support to the ground above and can cause localised collapse of the overlying rocks and deposits.

Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on page 133 >

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

This data is sourced from the British Geological Survey.

18 Mining and ground workings



Site Outline

Search buffers in metres (m)

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

Non Coal Mining

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

18.1 BritPits

Records within 500m	3

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 135 >

ID	Location	Details	Description
1	33m SE	Name: Lawrence Hill Pit Address: Lawrence Hill, Upper Easton, BRISTOL, Avon Commodity: Coal, Deep Status: Ceased	Type: Working is wholly underground, access by shaft, adit, drift or incline. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun' Ee' - Scots). May also be locally termed `Quarry' or `Underground Quarry' when referring to sites extracting building stone (e.g. in Dorset and Wiltshire). The location given is that of the mine entrance and may be approximate for older sites shown on contemporaneous mapping by the Geological Survey used as the source document. 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.
3	380m SW	Name: Queen Bower Pit Address: Newtown, BRISTOL, Avon Commodity: Coal, Deep Status: Ceased	Type: Working is wholly underground, access by shaft, adit, drift or incline. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun' Ee' - Scots). May also be locally termed `Quarry' or `Underground Quarry' when referring to sites extracting building stone (e.g. in Dorset and Wiltshire). The location given is that of the mine entrance and may be approximate for older sites shown on contemporaneous mapping by the Geological Survey used as the source document. 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.
G	495m NE	Name: Easton Road Brick Works Address: Easton Road, Upper Easton, BRISTOL, Avon 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	14

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 135 >

ID	Location	Land Use	Year of mapping	Mapping scale
A	68m NE	Brick Yard	1890	1:10560
A	68m NE	Brick Yard	1890	1:10560
B	128m SE	Cuttings	1938	1:10560
B	128m SE	Cuttings	1938	1:10560
B	128m SE	Cuttings	1921	1:10560
B	128m SE	Cuttings	1930	1:10560
B	128m SE	Cuttings	1902	1:10560
B	131m SE	Cuttings	1904	1:10560
B	131m SE	Cuttings	1904	1:10560
B	132m SE	Cuttings	1913	1:10560
B	133m SE	Cuttings	1938	1:10560
B	135m SE	Cuttings	1938	1:10560
B	135m SE	Cuttings	1902	1:10560
B	135m SE	Cuttings	1921	1:10560

This is data is sourced from Ordnance Survey/Groundsure.

18.3 Underground workings

Records within 1000m	5

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 135 >

ID	Location	Land Use	Year of mapping	Mapping scale
H	474m N	Disused Colliery	1921	1:10560

ID	Location	Land Use	Year of mapping	Mapping scale
H	477m N	Colliery	1902	1:10560
-	735m S	Disused Colliery	1902	1:10560
-	736m S	Disused Colliery	1902	1:10560
-	777m NW	Colliery	1902	1:10560

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	0

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

This data is sourced from the British Geological Survey.

18.7 JPB mining areas

Records on site	0

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

This data is sourced from Johnson Poole and Bloomer.

18.8 The Coal Authority non-coal mining

Records within 500m	0

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

This data is sourced from The Coal Authority.

18.9 Researched mining

Records within 500m	0

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

This data is sourced from Groundsure.

18.10 Mining record office plans

Records within 500m	0

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

This data is sourced from Groundsure.

18.11 BGS mine plans

Records within 500m	0

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

This data is sourced from Groundsure.

18.12 Coal mining

Records on site	1

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

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

This data is sourced from the Coal Authority.

18.13 Brine areas

Records on site	0

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

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

18.14 Gypsum areas

Records on site	0

Generalised areas that may be affected by gypsum extraction.

This data is sourced from British Gypsum.

18.15 Tin mining

Records on site	0

Generalised areas that may be affected by historical tin mining.

This data is sourced from Groundsure.

18.16 Clay mining

Records on site	0

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

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

19 Ground cavities and sinkholes

19.1 Natural cavities

Records within 500m	0

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

This data is sourced from Stantec UK Ltd.

19.2 Mining cavities

Records within 1000m	0

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

This data is sourced from Stantec UK Ltd.

19.3 Reported recent incidents

Records within 500m	0

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

This data is sourced from Groundsure.

19.4 Historical incidents

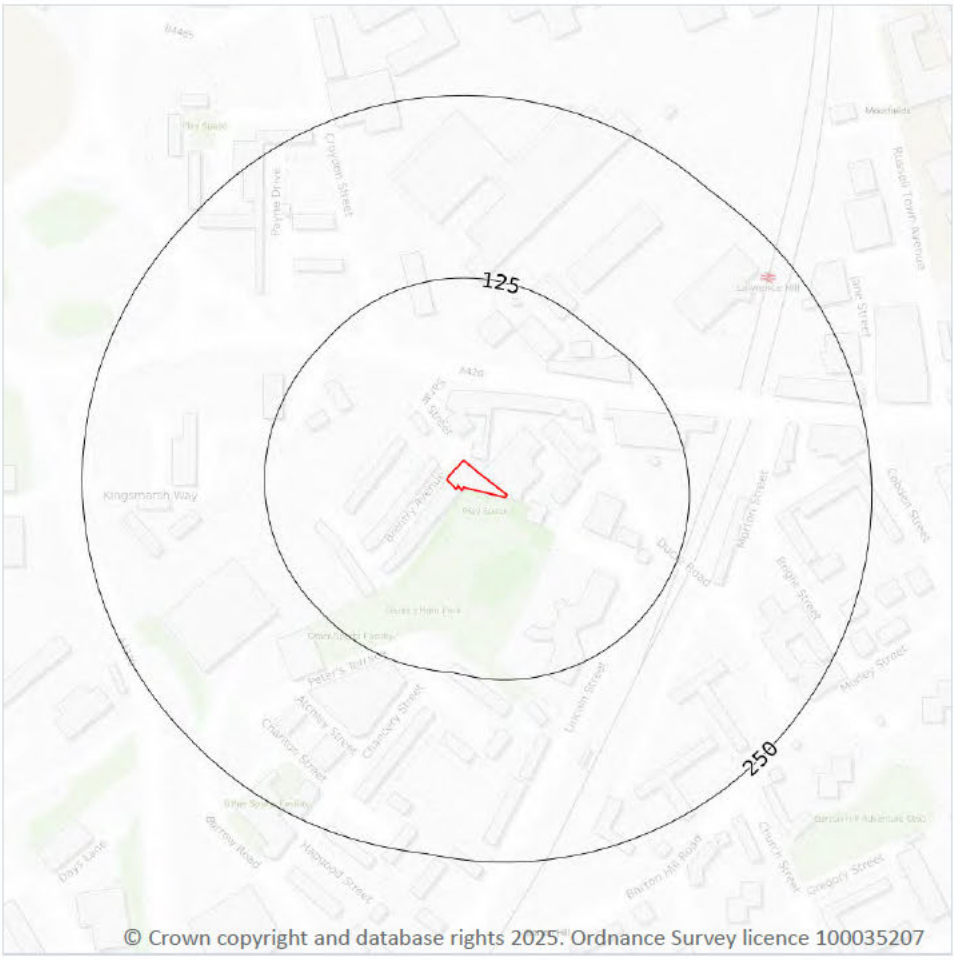
Records within 500m	0

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

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

This data is sourced from Groundsure.

20 Radon



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 144 >

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

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

21 Soil chemistry

21.1 BGS Estimated Background Soil Chemistry

Records within 50m	1

The estimated values provide the likely background concentration of the potentially harmful elements Arsenic, Cadmium, Chromium, Lead and Nickel in topsoil. The values are estimated primarily from rural topsoil data collected at a sample density of approximately 1 per 2 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	15 - 30 mg/kg

This data is sourced from the British Geological Survey.

21.2 BGS Estimated Urban Soil Chemistry

Records within 50m	0

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

This data is sourced from the British Geological Survey.

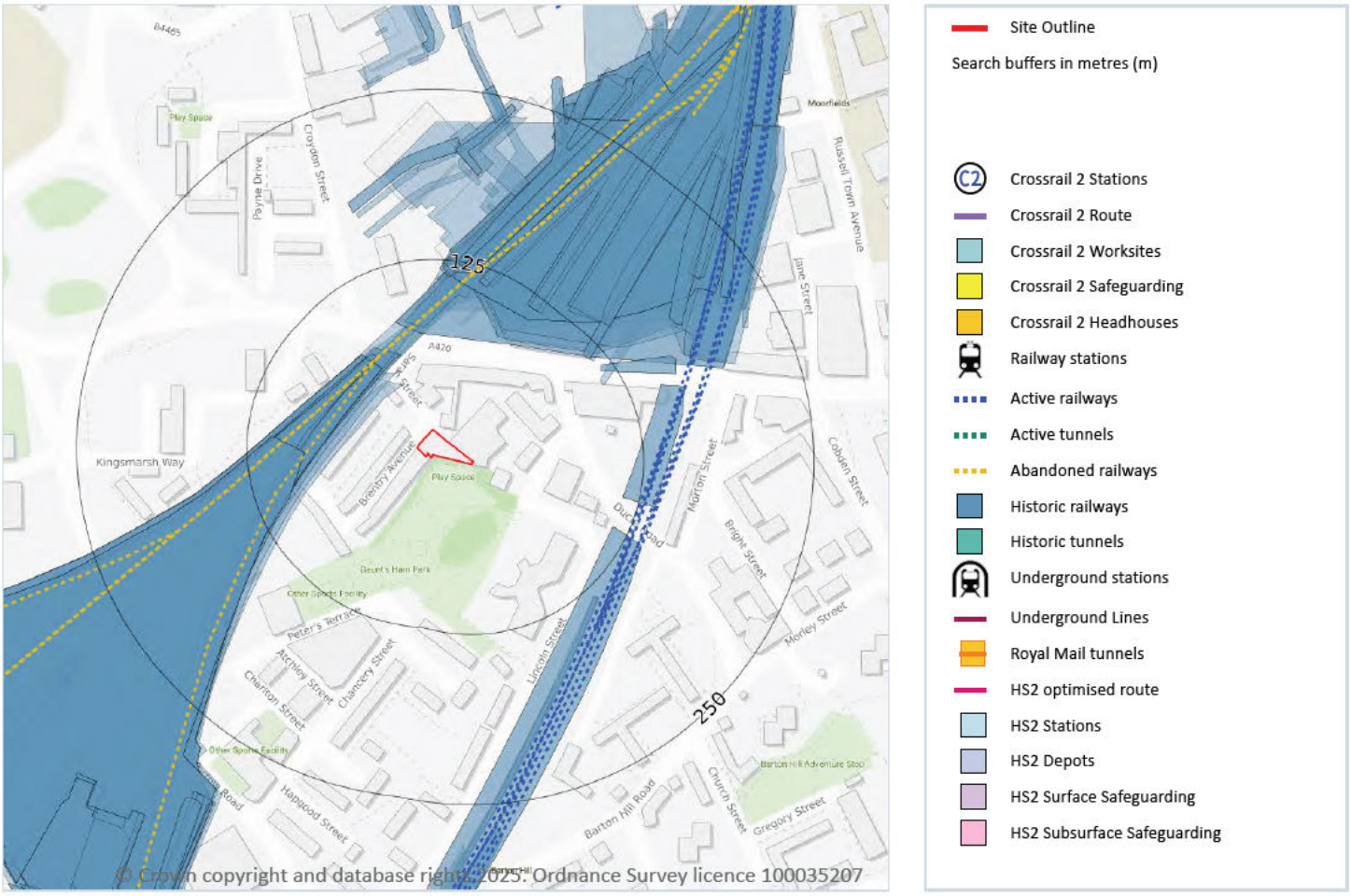
21.3 BGS Measured Urban Soil Chemistry

Records within 50m	0

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

This data is sourced from the British Geological Survey.

22 Railway infrastructure and projects



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	109

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 147 >

Location	Land Use	Year of mapping	Mapping scale
40m NW	Railway Sidings	1884	2500
47m NW	Railway	1885	-
52m NW	Railway Sidings	1938	10560
54m NW	Railway Sidings	1903	2500
55m NW	Railway Sidings	1965	10560
55m NW	Railway Sidings	1955	10560
56m NW	Railway Sidings	1918	2500
56m NW	Railway Sidings	1938	10560
56m NW	Railway Sidings	1930	10560
56m NW	Railway Sidings	1902	10560
56m NW	Railway Sidings	1938	10560
56m NW	Railway Sidings	1921	10560
59m NW	Railway Sidings	1950	2500
60m NW	Railway Sidings	1971	1250
65m NW	Railway Sidings	1904	10560
67m NW	Railway Sidings	1890	10560
67m W	Railway Sidings	1950	1250

Location	Land Use	Year of mapping	Mapping scale
67m W	Railway Sidings	1966	1250
69m N	Railway Sidings	1973	10000
69m N	Railway Sidings	1986	10000
69m NW	Railway Sidings	1913	10560
76m N	Railway Sidings	1921	10560
80m W	Railway Sidings	1885	500
83m NE	Railway Sidings	1930	10560
83m W	Railway Sidings	1921	10560
83m W	Railway Sidings	1938	10560
83m W	Railway Sidings	1902	10560
85m NE	Railway Sidings	1902	10560
88m N	Railway	1918	-
90m NE	Railway Sidings	1938	10560
98m N	Railway Sidings	1884	2500
105m NE	Railway Sidings	1921	10560
105m NE	Railway Sidings	1938	10560
105m NE	Railway Sidings	1902	10560
109m N	Railway Sidings	1950	1250
110m N	Railway Sidings	1950	2500
110m NE	Railway Sidings	1884	2500
112m N	Railway Sidings	1904	10560
112m NE	Railway Sidings	1971	1250
112m NE	Railway Sidings	1890	10560
112m N	Railway Sidings	1904	10560
113m NE	Railway Sidings	1984	1250
113m N	Railway Sidings	1913	10560
113m E	Railway Sidings	1890	10560
113m SE	Railway Sidings	1890	10560

Location	Land Use	Year of mapping	Mapping scale
113m NE	Railway Sidings	1950	1250
113m NE	Railway Sidings	1966	1250
114m N	Railway Sidings	1913	10560
114m N	Railway Sidings	1885	500
114m NE	Railway Sidings	1885	500
115m NE	Railway Sidings	1890	10560
117m N	Railway Sidings	1930	10560
120m N	Railway Sidings	1902	10560
120m N	Railway Sidings	1938	10560
122m N	Railway Sidings	1890	10560
122m N	Railway Sidings	1966	1250
130m N	Railway Sidings	1950	2500
131m NE	Railway Sidings	1971	1250
131m NE	Railway Sidings	1950	1250
131m NE	Railway Sidings	1966	1250
132m SE	Railway Sidings	1950	2500
132m NE	Railway Sidings	1984	1250
133m SE	Railway Sidings	1950	1250
133m SE	Railway Sidings	1966	1250
133m N	Railway Sidings	1950	1250
137m NE	Railway Sidings	1971	1250
137m NE	Railway Sidings	1950	1250
137m NE	Railway Sidings	1966	1250
137m NE	Railway Sidings	1984	1250
137m NE	Railway Sidings	1990	1250
140m NE	Railway Sidings	1997	1250
142m N	Railway	1903	-
146m NE	Railway Sidings	1984	1250

Location	Land Use	Year of mapping	Mapping scale
146m NE	Railway Sidings	1990	1250
146m NE	Railway Sidings	1971	1250
146m NE	Railway Sidings	1950	1250
146m NE	Railway Sidings	1966	1250
147m NE	Railway Sidings	1997	1250
148m N	Railway Sidings	1884	2500
160m N	Railway Sidings	1971	1250
162m N	Railway Sidings	1885	500
165m N	Railway Sidings	1885	500
169m N	Railway Sidings	1885	500
170m N	Railway Sidings	1890	10560
173m NE	Railway Sidings	1885	500
176m N	Railway Sidings	1885	500
182m N	Railway Sidings	1903	2500
183m NE	Railway Sidings	1885	500
188m N	Railway Sidings	1902	10560
190m N	Railway Sidings	1904	10560
190m N	Railway Sidings	1885	500
190m W	Railway Sidings	1950	1250
195m NE	Railway Sidings	1995	1250
195m NE	Railway Sidings	1993	1250
195m NE	Railway Sidings	1885	500
196m NE	Railway Sidings	1984	1250
196m NE	Railway Sidings	1990	1250
196m NE	Railway Sidings	1971	1250
196m NE	Railway Sidings	1949	1250
205m NE	Railway Sidings	1971	1250
205m NE	Railway Sidings	1950	1250

Location	Land Use	Year of mapping	Mapping scale
205m NE	Railway Sidings	1966	1250
205m NE	Railway Sidings	1997	1250
217m NE	Railway	1884	-
218m NE	Railway Sidings	1890	10560
222m NE	Railway Sidings	1885	500
228m N	Railway Sidings	1885	500
230m N	Railway Sidings	1890	10560
250m SW	Railway Sidings	1885	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	7

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

Features are displayed on the Railway infrastructure and projects map on page 147 >

Location	Description
63m NW	Razed
67m NW	Disused
67m NW	Historical OSM
112m N	Razed
153m N	Abandoned

Location	Description
153m N	Historical OSM
186m W	Abandoned

This data is sourced from OpenStreetMap.

22.7 Railways

Records within 250m	17

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 147 >

Location	Name	Type
126m E	Bristol and South Wales Union Line	rail
128m E	Not given	Multi Track
128m SE	Not given	Multi Track
129m E	Bristol and South Wales Union Line	rail
130m SE	Bristol and South Wales Union Line	rail
131m E	Bristol and South Wales Union Line	rail
135m E	Bristol and South Wales Union Line	rail
136m SE	Not given	Multi Track
136m E	Not given	Multi Track
138m E	Bristol and South Wales Union Line	rail
151m SE	Not given	Multi Track
156m E	Bristol and South Wales Union Line	rail
159m E	Bristol and South Wales Union Line	rail
169m E	Bristol and South Wales Union Line	rail
171m E	Up Filton Main	rail
175m NE	Not given	Multi Track
187m E	Not given	Multi Track

This data is sourced from Ordnance Survey and OpenStreetMap.

22.8 Crossrail 2

Records within 500m	0

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

This data is sourced from publicly available information by Groundsure.

22.9 HS2

Records within 500m	0

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

This data is sourced from HS2 ltd.

Data providers

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

Terms and conditions

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

APPENDIX 2

REPORT LIMITATIONS

REPORT LIMITATIONS

This contract was completed by Earth Environmental & Geotechnical Ltd on the basis of a defined programme and scope of works and terms and conditions agreed with the client. This report was compiled with all reasonable skill, and care, bearing in mind the project objectives, the agreed scope of works, the prevailing site conditions, the budget and staff resources allocated to the project.

Other than that expressly contained in the above paragraph, Earth Environmental & Geotechnical Ltd provides no other representation or warranty whether express or implied, is made in relation to the services. Unless otherwise agreed this report has been prepared exclusively for the use and reliance of the client in accordance with generally accepted consulting practices and for the intended purposes as stated in the agreement under which this work was completed. This report may not be relied upon, or transferred to, by any other party without the written agreement of a Director of Earth Environmental & Geotechnical Ltd.

If a third party relies on this report, it does so wholly at its own and sole risk and Earth Environmental & Geotechnical Ltd disclaims any liability to such parties.

It is Earth Environmental & Geotechnical Ltd understanding that this report is to be used for the purpose described in the introduction to the report. That purpose was an important factor in determining the scope and level of the services. Should the purpose for which the report is used, or the proposed use of the site change, this report will no longer be valid and any further use of, or reliance upon the report in those circumstances by the client without Earth Environmental & Geotechnical Ltd review and advice shall be at the client's sole and own risk.

The report was written in 2025 and should be read in light of any subsequent changes in legislation, statutory requirements and industry best practices. Ground conditions can also change over time and further investigations or assessment should be made if there is any significant delay in acting on the findings of this report. The passage of time may result in changes in site conditions, regulatory or other legal provisions, technology or economic conditions which could render the report inaccurate or unreliable. The information and conclusions contained in this report should not be relied upon in the future without the written advice of Earth Environmental & Geotechnical Ltd. In the absence of such written advice of Earth Environmental & Geotechnical Ltd, reliance on the report in the future shall be at the client's own and sole risk. Should Earth Environmental & Geotechnical Ltd be requested to review the report in the future, Earth Environmental & Geotechnical Ltd shall be entitled to additional payment at the then existing rate or such other terms as may be agreed between Earth Environmental & Geotechnical Ltd and the client.

The observations and conclusions described in this report are based solely upon the services that were provided pursuant to the agreement between the client and Earth Environmental & Geotechnical Ltd. Earth Environmental & Geotechnical Ltd has not performed any observations, investigations, studies or testing not specifically set out or mentioned within this report.

Earth Environmental & Geotechnical Ltd is not liable for the existence of any condition, the discovery of which would require performance of services not otherwise contained in the services. For the avoidance of doubt, unless otherwise expressly referred to in the introduction to this report, Earth Environmental & Geotechnical Ltd did not seek to evaluate the presence on or off the site of electromagnetic fields, lead paint, radon gas or other radioactive materials.

The services are based upon Earth Environmental & Geotechnical Ltd observations of existing physical conditions at the site gained from a walkover survey of the site together with Earth

Environmental & Geotechnical Ltd interpretation of information including documentation, obtained from third parties and from the client on the history and usage of the site. The findings and recommendations contained in this report are based in part upon information provided by third parties, and whilst Earth Environmental & Geotechnical Ltd have no reason to doubt the accuracy and that it has been provided in full from those it was requested from, the items relied on have not been verified.

No responsibility can be accepted for errors within third party items presented in this report. Further Earth Environmental & Geotechnical Ltd was not authorised and did not attempt to independently verify the accuracy or completeness of information, documentation or materials received from the client or third parties, including laboratories and information services, during the performance of the services. Earth Environmental & Geotechnical Ltd is not liable for any inaccurate information, misrepresentation of data or conclusions, the discovery of which inaccuracies required the doing of any act including the gathering of any information which was not reasonably available to Earth Environmental & Geotechnical Ltd and including the doing of any independent investigation of the information provided to Earth Environmental & Geotechnical Ltd save as otherwise provided in the terms of the contract between the client and Earth Environmental & Geotechnical Ltd.

Where field investigations have been carried out these have been restricted to a level of detail required to achieve the stated objectives of the work. Ground conditions can also be variable and as investigation excavations only allow examination of the ground at discrete locations. The potential exists for ground conditions to be encountered which are different to those considered in this report. The extent of the limited area depends on the soil and groundwater conditions, together with the position of any current structures and underground facilities and natural and other activities on site. In addition, chemical analysis was carried out for a limited number of parameters [as stipulated in the contract between the client and Earth Environmental & Geotechnical Ltd] based on an understanding of the available operational and historical information, and it should not be inferred that other chemical species are not present.

The groundwater conditions entered on the exploratory hole records are those observed at the time of investigation. The normal speed of investigation usually does not permit the recording of an equilibrium water level for any one water strike. Moreover, groundwater levels are subject to seasonal variation or changes in local drainage conditions and higher groundwater levels may occur at other times of the year than were recorded during this investigation.

Any site drawing(s) provided in this report is (are) not meant to be an accurate base plan but is (are) used to present the general relative locations of features on, and surrounding, the site.