

APPENDIX 4 – BGS Records

STRATA SURVEYS LTD.,						Borehole Number : A					
Telephone: 0606 834637 Fax: 0606 836657						Sheet 1 of 2.					
Job Number : 6964 Location : The Rock, Bury						Dia. & Drilling Methods 150mm Diameter light cable percussion					
Client : NUVO Developments Ltd											
Description of Strata	Red. Level	Legend	Thick-ness	Depth m	Sample Depths	Sample Types	N Value	Cu	Water Level	Piezo-meter	Daily Prog.
MADE GROUND (compact brick rubble)			(1.00)	0.00	0.50 - 0.95	S 1	30				
Stiff brown sandy CLAY.			(0.70)	1.00	1.20 - 1.65	U 1					
Dense to medium dense brown medium to coarse SAND with much fine to coarse gravel and occasional sandstone fragments and coal.			(3.20)	1.70	2.00 - 2.45	S 2	30	190 0			
				2.50		D 1					
				3.00 - 3.45		S 3	31				
				4.00 - 4.55		B 1 S 4	23				
Firm brown slightly laminated silty CLAY.			(1.10)	4.90	5.10 - 5.50	U 2		59 0			
				5.60		D 2					
Firm becoming firm to stiff brown laminated CLAY, with many silt partings			(3.80)	6.00	6.20	W 1			V 23-3 am		
				6.70 - 7.15		U 3			V 23-3 am		
				7.20		D 3					
				8.30 - 8.75		U 4					
				8.80		D 4		60 0			
				9.30 - 9.60		U 5					
Grey completely weathered MUDSTONE, weak			(0.50)	9.80	9.80 - 10.25	S 5	70	76 0			
Borehole Continued				10.00		J					
General Remarks : Water level at 10.24am 23-3-93 @ 6.60m. Chiselling rock (1 hour) Install gas monitoring well at 3.00m.						Dates : 22-MAR-93 Driller : TJB Engineer: GH					
						Coordinates :					

SD 815W 8032 1112 318

STRATA SURVEYS LTD., Telephone: 0606 834637 Fax: 0606 836657						Borehole Number : A Sheet 2 of 2.						
Job Number : 6964 Location : The Rock, Bury Client : NUVO Developments Ltd						Dia. & Drilling Methods 150mm Diameter light cable percussion						
Description of Strata	Red. Level	Legend	Thick-ness	Depth m	Sample Depths	Sample Types	N Value	Cu	•	Water Level	Piezo-meter	Daily Prog.
Grey completely weathered MUDSTONE, weak			(0.50)	10.00	9.00 - 10.25	S ₁ 5						22-3
Grey highly weathered MUDSTONE, weak.			(0.80)	10.30								
				11.10	11.00 - 11.12	S ₁ 6	100/100					23-3
Borehole Completed												
General Remarks :						Dates : 22-MAR-93						
Water level at 10.24m 23-3-93 @ 6.60m.						Driller : TJB						
Chiselling rock (1 hour)						Engineer: GH						
Install gas monitoring well at 3.00m.						Coordinates :						

STRATA SURVEYS LTD.,					Borehole Number : B						
Telephone: 0606 834637 Fax: 0606 836657					Sheet 1 of 2.						
Job Number : 6964 Location : The Rock, Bury					Dia. & Drilling Methods						
Client : NUVO Developments Ltd					150mm Diameter light cable percussion						
Description of Strata	Red. Level	Legend	Thick-ness	Depth	Sample Depths	Sample Types	N Value	Cu	Water Level	Piezo-meter	Daily Prog.
MADE GROUND (medium dense brick rubble)				0.00							
				0.50 - 0.95	S 1	21					
				1.00	D 1						
			(3.00)	1.50 - 1.95	S 2	22					
				2.00	D 2						
				2.50 - 2.95	S 3	15					
				3.00							
Firm brown sandy CLAY, with some fine to medium gravel.			(0.70)	3.20 - 3.60	U 1			63 0			
				3.70							
Medium dense brown slightly clayey medium to coarse SAND and fine to coarse GRAVEL.			(2.10)	4.00 - 4.45	S 4	23					
				5.00	W 1						
				5.00	B 1						
				5.30 - 5.70	U 2						
				5.80	D 3						
Soft brown silty laminated CLAY, with silt partings				5.80							
				6.40 - 6.85	U 3						
				6.90	D 4			30 0			
			(3.50)	7.90 - 8.35	U 4						
				8.40	D 5			27 0			
				9.30							
Stiff brown sandy CLAY, with some fine to medium gravel.			(1.30)	9.40 - 9.85	U 5			149 0			
				10.00							
Borehole Continued											
General Remarks :					Dates : 24-MAR-93						
Water struck at 5.80m rising to 5.00m after 20 minutes.					Driller : TJB						
Install gas monitoring well at 3.00m.					Engineer: GH						
					Coordinates :						

SD 81SN 8082 1111 319

STRATA SURVEYS LTD., Telephone: 0606 834637 Fax: 0606 836657						Borehole Number : B Sheet 2 of 2.						
Job Number : 6964 Location : The Rock, Bury Client : NUVO Developments Ltd						Dia. & Drilling Methods 150mm Diameter light cable percussion						
Description of Strata	Red. Level	Legend	Thick-ness	Depth m	Sample Depths	Sample Types	N Value	Cu	a	Water Level	Piezo-meter	Daily Prog.
Stiff brown sandy CLAY, with some fine to medium gravel.			(1.30)	10.00								
Grey completely to highly weathered MUDSTONE, weak, with some stronger bands				10.60	10.70 - 11.10	U 6		362	0			
					11.40 - 11.85	S 5	74					
			(2.10)		12.40 - 12.70	S 6	111/300					
				12.70								24-3
Borehole Completed												
General Remarks :						Dates : 24-MAR-93						
Water struck at 5.80m rising to 5.00m after 20 minutes.						Driller : TJB						
Install gas monitoring well at 3.00m.						Engineer: GH						
						Coordinates :						

SD8/SW 8083 1111 320

STRATA SURVEYS LTD., Telephone: 0606 834637 Fax: 0606 836657						Borehole Number : C Sheet 1 of 2.						
Job Number : 6964 Location : The Rock, Bury Client : NUVO Developments Ltd						Dia. & Drilling Methods 150mm Diameter light cable percussion						
Description of Strata	Red. Level	Legend	Thick-ness	Depth	Sample Depths	Sample Types	N Value	Cu	#	Water Level	Piezo-meter	Daily Prog.
MADE GROUND (medium dense brick rubble)				0.00								
				0.50 - 0.95	S 1	20						
				1.00	D 1							
			(3.00)	1.60 - 2.05	S 2	8						
				2.10	D 2							
				2.60 - 3.05	S 3	10						
				3.00								
Medium dense brown medium to coarse SAND with much fine to coarse gravel.				3.20 - 3.65	S 4	16						
			(2.10)	4.00	B 1							
				4.20 - 4.65	S 5	23						
				5.10								
Soft brown silty CLAY with occasional silt/fine sand laminations.				5.30 - 5.75	U 1							
			(2.20)	5.80	D 3			27 0				
				6.80 - 7.25	U 2							
				7.30	D 4							
Firm brown silty laminated CLAY, with silt partings			(1.50)	8.30 - 8.75	U 3							
				8.80	D 5			67 0				
Stiff brown sandy CLAY, with some fine to medium gravel.			(0.70)	9.00 - 9.40	U 4							
				9.50				113 0				
Grey completely to highly weathered MUDSTONE, weak			(1.50)	9.70 - 10.15	S 6	61						
				10.00								
Borehole Continued												
General Remarks : No water encountered during drilling. Install gas monitoring well at 3.00m.						Dates : 25-MAR-93 Driller : TJB Engineer: GH Coordinates :						

SD 815W 8083 / 111 320

STRATA SURVEYS LTD.,

Telephone: 0606 834637 Fax: 0606 836657

Borehole Number : C

Sheet 2 of 2.

Job Number : 6964

Location : The Rock, Bury

Dia. & Drilling Methods
150mm Diameter
light cable percussion

Client : NUVO Developments Ltd

Description of Strata	Red. Level	Legend	Thick-ness	Depth m	Sample Depths	Sample Types	N Value	Cu	g	Water Level	Piezo-meter	Daily Prog.
Grey completely to highly weathered MUDSTONE, weak			(1.50)	10.00	9.70 - 10.15	S 6						
					10.70 - 11.15	S 7	73					
Borehole Completed				11.00								25-3

General Remarks :
No water encountered during drilling.
Install gas monitoring well at 3.00m.

Dates : 25-MAR-93

Driller : TJB

Engineer: GH

Coordinates :



APPENDIX 5 - Contaminated Land Officers Consultation



Date 8 February 2023
Reference ES878.080223.1
Website www.bury.gov.uk

Department for Operations

Andrew Janson
Groundtech Consulting
First Floor, Lloyd House
Orford Court,
Greenfold Way
Leigh
WN7 3XJ

Dear Andrew

ENVIRONMENTAL SEARCH REQUEST
137 The Rock, Bury, BL9 0ND

I write in response to your recent enquiry regarding the above property, which is located at National Grid Reference 380709 411012, see attached plan.

Contamination issues at or immediately adjacent to the site

The site and surrounding area were already developed by 1848, with the current building being present on the site since at least 1893. The building is labeled on the historical maps as a Hotel, and later as a Public House, and then the Black Bull Hotel (PH). It is understood that the building has since been converted to shop units and offices.

Previous uses in the surrounding area have included Vulcan Iron Works, sawmills and timber yards, Paradise Leather Works, cotton weaving, spinning and waste mills, a confectionary works, unspecified works, factories and mills, warehouses, a paper works, a tyre depot, reservoirs and evidence of landfilling activities.

Historical map extracts from 1910 and 1959 are attached.

This Section does not hold any information relating to the ground conditions at the site. It is not known what, if any, ground contamination exists at the site.

Landfill Sites within 250 metres

We are aware of one registered landfill within 250m of the site and a location plan is enclosed (summarised below):

Landfill Name: Woodfields, Bury

File reference: C079

Grid Ref.: 380510 411200

The site is an infilled former graveyard, previous uses include an old landfill and tannery. The site was filled with domestic and commercial waste up to 11m deep. The site was filled between 1893 and early 1970s, prior to the licensing act. The site is now in use as a retail park.

A vent trench has been installed along the north and south boundary and a cut off wall at the eastern boundary. A passive venting system has been installed within the Tesco site.

Please note that the boundaries indicated on the enclosed plan are approximate only and may not reflect the actual extent of fill.

Local areas of landfilling at or within influencing distance of the site may have been carried out for which we hold no records. Please consult historical maps and other sources of information to identify potential areas of filling.

Further information on landfills may be available from the Environment Agency by telephoning 08708 506 506 or visiting their Website: www.environment-agency.gov.uk and completing any on-line enquiry form. Note that the Environment Agency may make a reasonable charge for supplying this information.

Sites determined as statutory contaminated land within 250 metres

No areas of land at or near the site have been determined as Contaminated Land under Part 2A of the Environmental Protection Act (EPA) 1990. As there have been no known previous potentially contaminating land use at the site, it is considered unlikely that the site would be investigated under Part 2A of the EPA 1990.

Environmental Information Regulations 2004

The Environmental Information Regulations enable individuals and organisations to request environmental information held by public bodies. In the majority of cases, we will endeavour to respond to your request within 20 working days, extended to a maximum of 40 working days should the request be complex or voluminous. Public Bodies are allowed to make a reasonable charge for supplying the information requested, and we will contact you if a charge is applicable.

You are welcome to have access to any public registers or to examine the information free of charge. If you wish to do so, please contact the Council to arrange viewing.

If you are dissatisfied with your response, you have the right to complain to the Local Authority, who will conduct an internal review to try and resolve any issues or problems. Please complete a 'Report a Problem' complaint form available from our website: www.bury.gov.uk or by contacting customer services on 0161 253 5353. Should you still not be satisfied with your response, you may then appeal to the Information Commissioner. Details can be found on the following website: www.informationcommissioner.gov.uk or by contacting 01625 545 700.

Payment Receipt

I acknowledge your payment of £40.00.

Should you require any further information please contact me on the number given above.

Yours sincerely



Rebecca Jones
Environmental Protection Officer

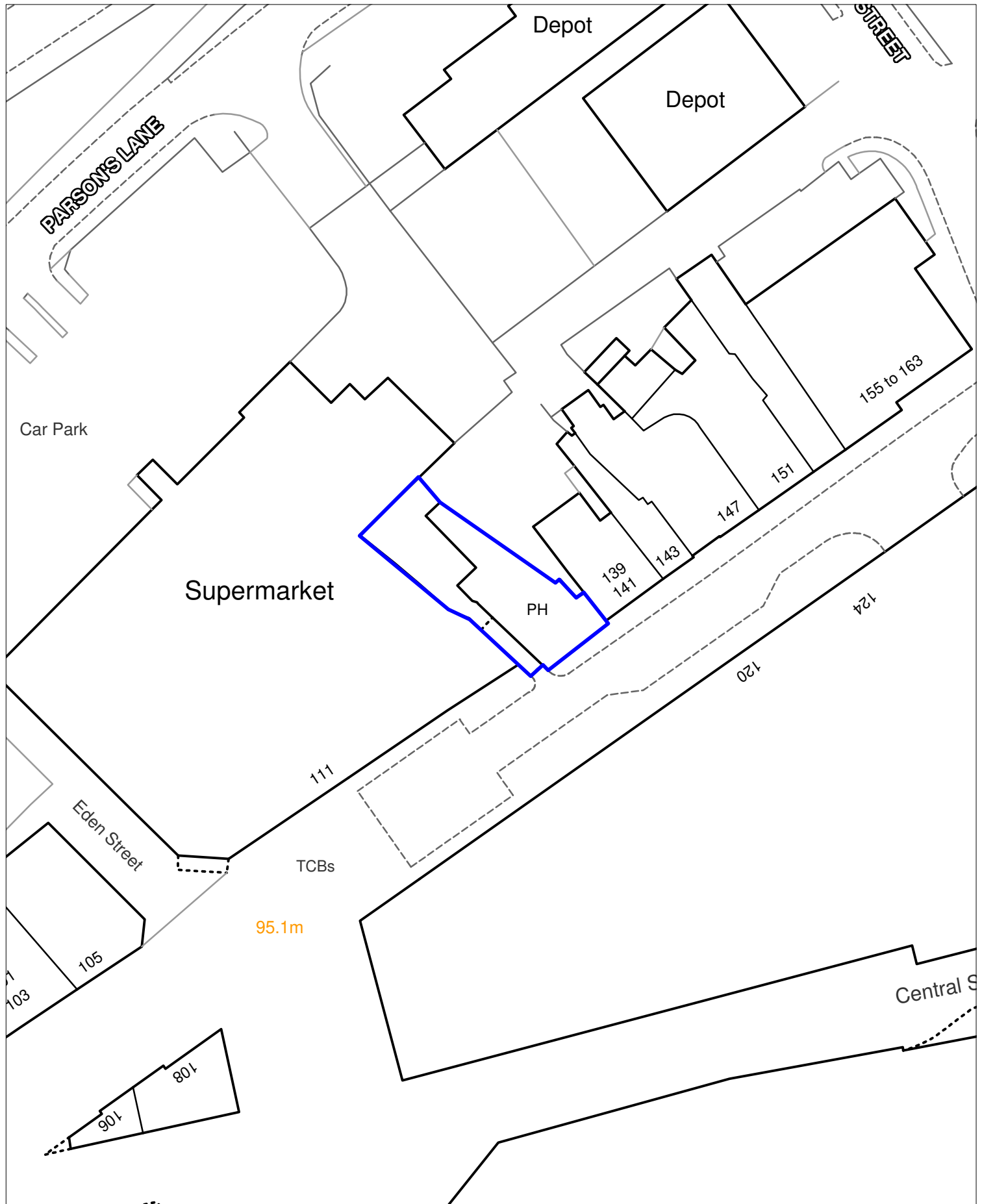
The above details are based upon records currently held by the Environment Section and are believed to be accurate at the time of printing. However, this Section can accept no responsibility for their accuracy or completeness.

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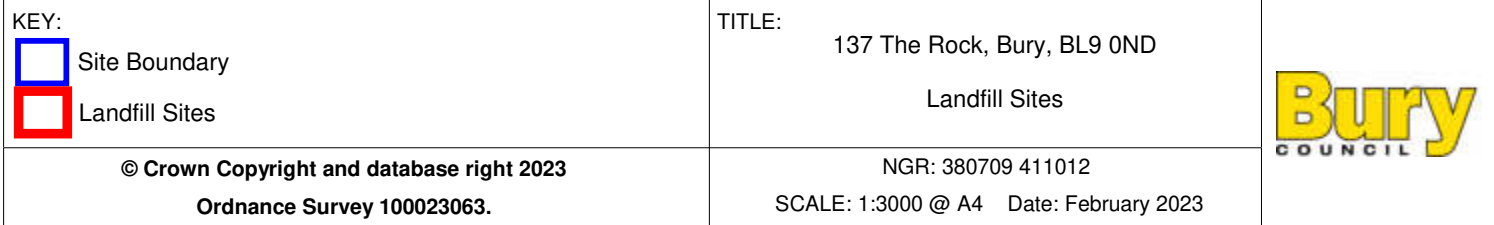


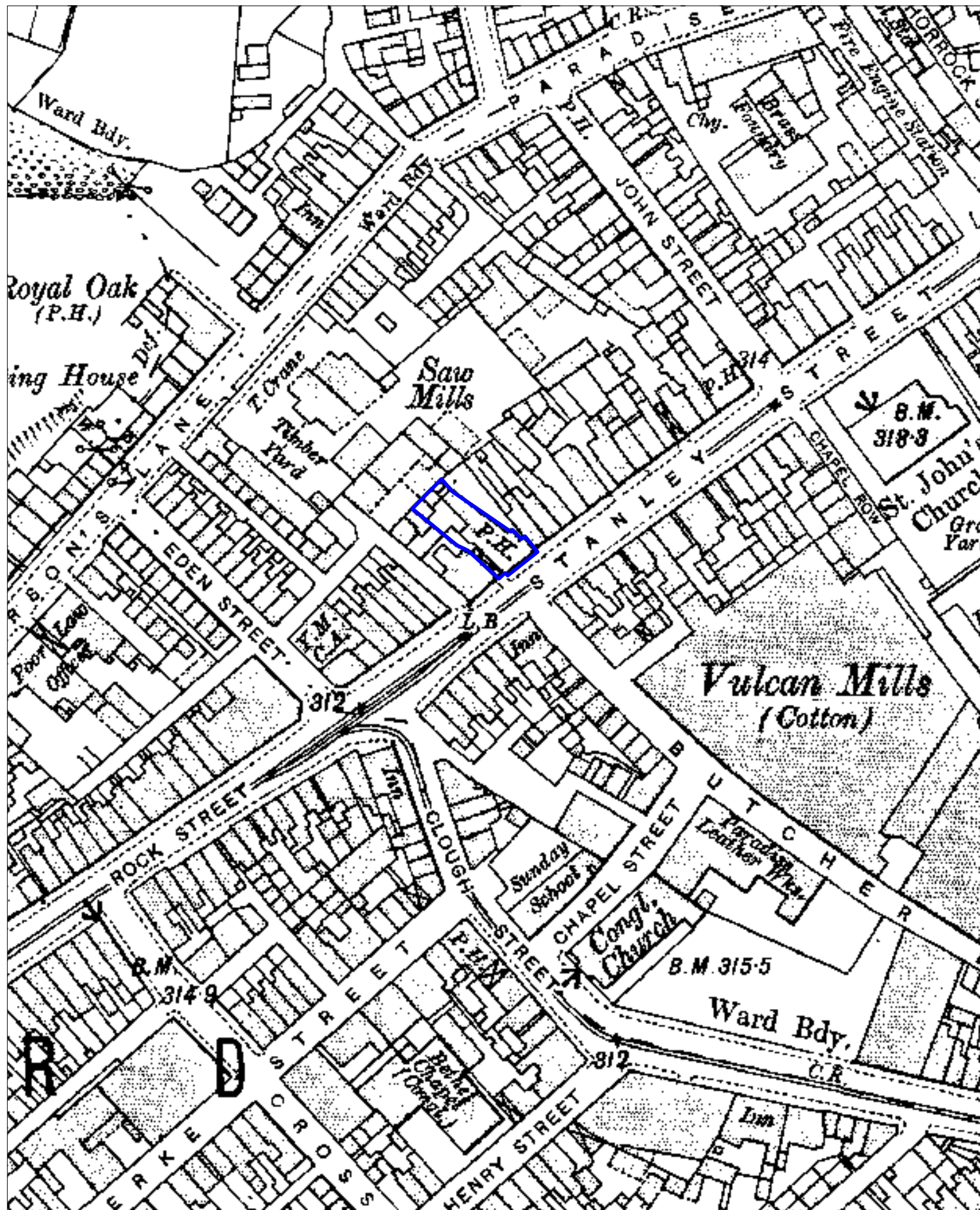
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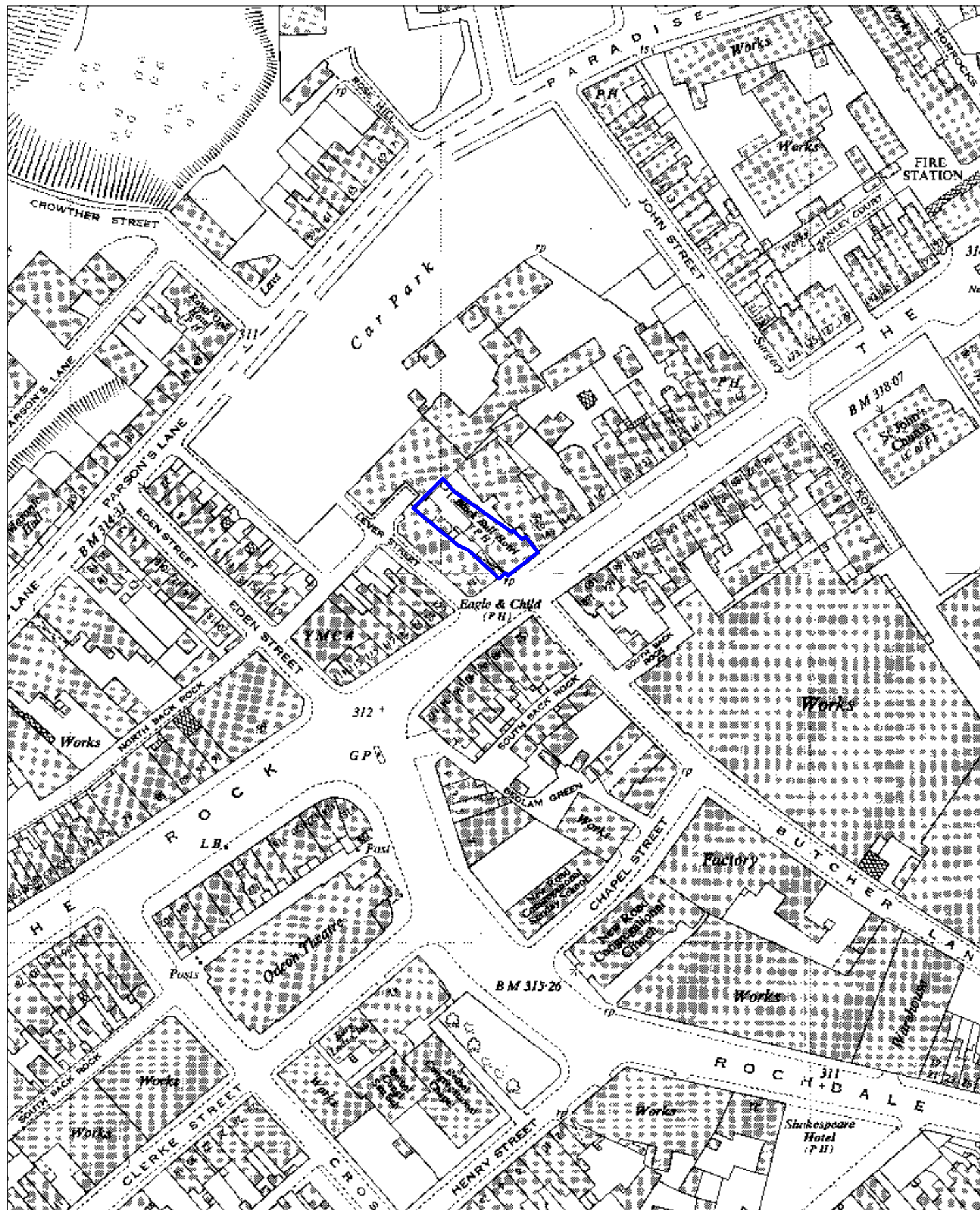


KEY: Site Boundary	TITLE: 137 The Rock, Bury, BL9 0ND Current OS Map	
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KEY: Site Boundary	TITLE: 137 The Rock, Bury, BL9 0ND 1910 Historical Map Extract	
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KEY:
 Site Boundary

TITLE:
 137 The Rock, Bury, BL9 0ND
 1959 Historical Map Extract



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 Ordnance Survey 100023063.

NGR: 380709 411012
 SCALE: 1:2000 @ A4 Date: February 2023

APPENDIX 6 - Groundsure Report

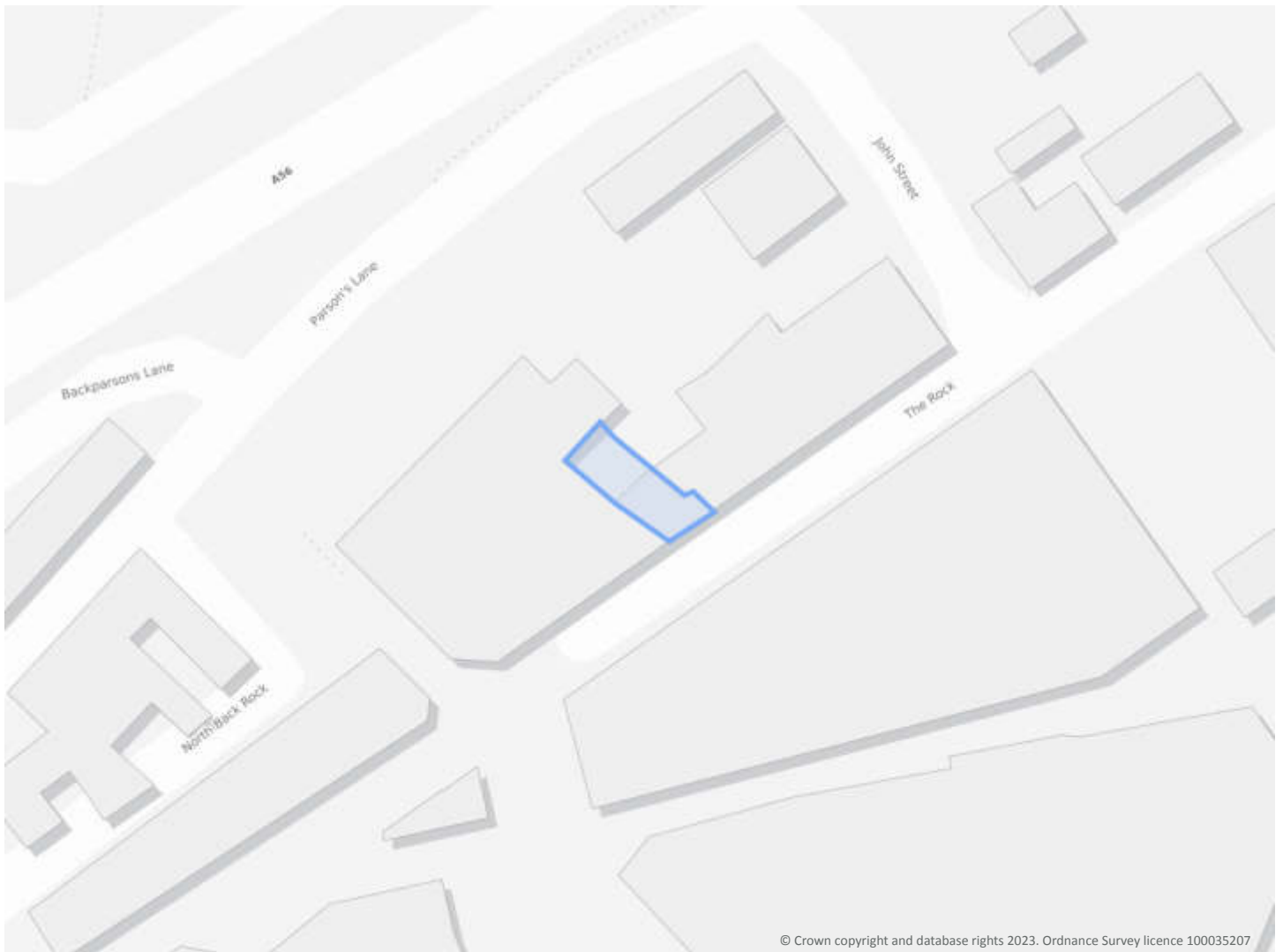
The Rock Bury, BL9 0ND

Order Details

Date: 02/02/2023
Your ref: EMS_841790_1040369
Our Ref: EMS-841790_1080643

Site Details

Location: 380708 411012
Area: 0.03 ha
Authority: [Bury Metropolitan Borough Council](#)



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Summary of findings

p. 2

Aerial image

p. 8

OS MasterMap site plan

p.13

groundsure.com/insightuserguide

Contact us with any questions at:

info@groundsure.com

08444 159 000

Summary of findings

Page	Section	Past land use	On site	0-50m	50-250m	250-500m	500-2000m
14	1.1	Historical industrial land uses	0	4	42	102	-
20	1.2	Historical tanks	0	0	10	30	-
22	1.3	Historical energy features	0	0	12	18	-
23	1.4	Historical petrol stations	0	0	0	0	-
23	1.5	Historical garages	0	0	26	18	-
25	1.6	Historical military land	0	0	0	1	-
Page	Section	Past land use - un-grouped	On site	0-50m	50-250m	250-500m	500-2000m
26	2.1	Historical industrial land uses	0	6	57	147	-
34	2.2	Historical tanks	0	0	17	52	-
37	2.3	Historical energy features	0	0	31	44	-
40	2.4	Historical petrol stations	0	0	0	0	-
40	2.5	Historical garages	0	0	41	35	-
Page	Section	Waste and landfill	On site	0-50m	50-250m	250-500m	500-2000m
44	3.1	Active or recent landfill	0	0	0	0	-
44	3.2	Historical landfill (BGS records)	0	0	1	0	-
45	3.3	Historical landfill (LA/mapping records)	0	0	1	0	-
45	3.4	Historical landfill (EA/NRW records)	0	0	1	0	-
46	3.5	Historical waste sites	0	0	0	31	-
50	3.6	Licensed waste sites	0	0	0	17	-
55	3.7	Waste exemptions	0	1	1	24	-
Page	Section	Current industrial land use	On site	0-50m	50-250m	250-500m	500-2000m
58	4.1	Recent industrial land uses	0	0	19	-	-
60	4.2	Current or recent petrol stations	0	0	2	2	-
60	4.3	Electricity cables	0	0	0	0	-
60	4.4	Gas pipelines	0	0	0	0	-
60	4.5	Sites determined as Contaminated Land	0	0	0	0	-



61	4.6	Control of Major Accident Hazards (COMAH)	0	0	0	0	-
61	4.7	Regulated explosive sites	0	0	0	0	-
61	4.8	Hazardous substance storage/usage	0	0	0	0	-
61	4.9	Historical licensed industrial activities (IPC)	0	0	0	0	-
61	4.10	Licensed industrial activities (Part A(1))	0	0	0	0	-
62	4.11	<u>Licensed pollutant release (Part A(2)/B)</u>	0	0	4	8	-
63	4.12	Radioactive Substance Authorisations	0	0	0	0	-
63	4.13	Licensed Discharges to controlled waters	0	0	0	0	-
64	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
64	4.15	Pollutant release to public sewer	0	0	0	0	-
64	4.16	List 1 Dangerous Substances	0	0	0	0	-
64	4.17	List 2 Dangerous Substances	0	0	0	0	-
64	4.18	<u>Pollution Incidents (EA/NRW)</u>	0	0	1	20	-
67	4.19	Pollution inventory substances	0	0	0	0	-
67	4.20	Pollution inventory waste transfers	0	0	0	0	-
67	4.21	Pollution inventory radioactive waste	0	0	0	0	-
Page	Section	Hydrogeology	On site	0-50m	50-250m	250-500m	500-2000m
68	5.1	<u>Superficial aquifer</u>	Identified (within 500m)				
70	5.2	<u>Bedrock aquifer</u>	Identified (within 500m)				
71	5.3	<u>Groundwater vulnerability</u>	Identified (within 50m)				
72	5.4	Groundwater vulnerability- soluble rock risk	None (within 0m)				
72	5.5	Groundwater vulnerability- local information	None (within 0m)				
73	5.6	<u>Groundwater abstractions</u>	0	0	0	0	9
76	5.7	<u>Surface water abstractions</u>	0	0	0	0	14
79	5.8	Potable abstractions	0	0	0	0	0
79	5.9	Source Protection Zones	0	0	0	0	-
80	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-
Page	Section	Hydrology	On site	0-50m	50-250m	250-500m	500-2000m
81	6.1	Water Network (OS MasterMap)	0	0	0	-	-

81	6.2	Surface water features	0	0	0	-	-
82	6.3	<u>WFD Surface water body catchments</u>	1	-	-	-	-
82	6.4	<u>WFD Surface water bodies</u>	0	0	0	-	-
83	6.5	<u>WFD Groundwater bodies</u>	1	-	-	-	-
Page	Section	River and coastal flooding	On site	0-50m	50-250m	250-500m	500-2000m
84	7.1	Risk of flooding from rivers and the sea	None (within 50m)				
84	7.2	Historical Flood Events	0	0	0	-	-
84	7.3	Flood Defences	0	0	0	-	-
85	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
85	7.5	Flood Storage Areas	0	0	0	-	-
86	7.6	Flood Zone 2	None (within 50m)				
86	7.7	Flood Zone 3	None (within 50m)				
Page	Section	Surface water flooding					
87	8.1	<u>Surface water flooding</u>	1 in 30 year, 0.3m - 1.0m (within 50m)				
Page	Section	Groundwater flooding					
89	9.1	<u>Groundwater flooding</u>	Low (within 50m)				
Page	Section	Environmental designations	On site	0-50m	50-250m	250-500m	500-2000m
90	10.1	Sites of Special Scientific Interest (SSSI)	0	0	0	0	0
91	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
91	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
91	10.4	Special Protection Areas (SPA)	0	0	0	0	0
91	10.5	National Nature Reserves (NNR)	0	0	0	0	0
92	10.6	<u>Local Nature Reserves (LNR)</u>	0	0	0	0	1
92	10.7	Designated Ancient Woodland	0	0	0	0	0
92	10.8	Biosphere Reserves	0	0	0	0	0
92	10.9	Forest Parks	0	0	0	0	0
93	10.10	Marine Conservation Zones	0	0	0	0	0
93	10.11	<u>Green Belt</u>	0	0	0	0	4
93	10.12	Proposed Ramsar sites	0	0	0	0	0



93	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
94	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
94	10.15	Nitrate Sensitive Areas	0	0	0	0	0
94	10.16	Nitrate Vulnerable Zones	0	0	0	0	0
95	<u>10.17</u>	<u>SSSI Impact Risk Zones</u>	1	-	-	-	-
96	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
97	11.1	World Heritage Sites	0	0	0	-	-
98	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
98	11.3	National Parks	0	0	0	-	-
98	<u>11.4</u>	<u>Listed Buildings</u>	0	0	2	-	-
99	<u>11.5</u>	<u>Conservation Areas</u>	0	0	1	-	-
99	11.6	Scheduled Ancient Monuments	0	0	0	-	-
99	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	Agricultural designations	On site	0-50m	50-250m	250-500m	500-2000m
100	<u>12.1</u>	<u>Agricultural Land Classification</u>	Urban (within 250m)				
101	12.2	Open Access Land	0	0	0	-	-
101	12.3	Tree Felling Licences	0	0	0	-	-
101	12.4	Environmental Stewardship Schemes	0	0	0	-	-
101	12.5	Countryside Stewardship Schemes	0	0	0	-	-
Page	Section	Habitat designations	On site	0-50m	50-250m	250-500m	500-2000m
102	13.1	Priority Habitat Inventory	0	0	0	-	-
102	13.2	Habitat Networks	0	0	0	-	-
102	13.3	Open Mosaic Habitat	0	0	0	-	-
102	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
103	<u>14.1</u>	<u>10k Availability</u>	Identified (within 500m)				
104	<u>14.2</u>	<u>Artificial and made ground (10k)</u>	0	0	1	1	-
105	<u>14.3</u>	<u>Superficial geology (10k)</u>	1	0	2	3	-

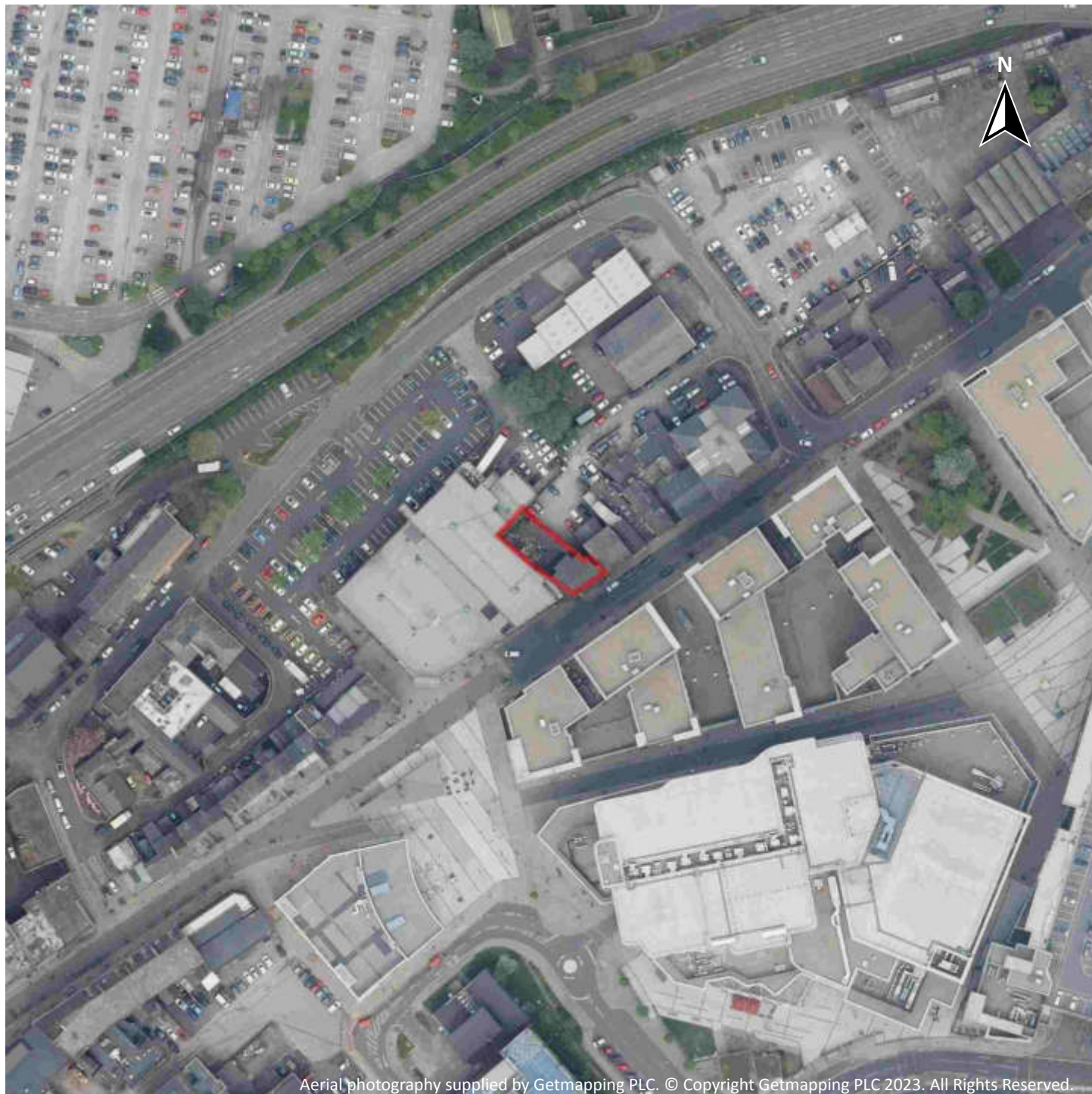


106	14.4	Landslip (10k)	0	0	0	0	-
107	14.5	<u>Bedrock geology (10k)</u>	1	0	2	9	-
108	14.6	<u>Bedrock faults and other linear features (10k)</u>	0	0	3	4	-
Page	Section	Geology 1:50,000 scale	On site	0-50m	50-250m	250-500m	500-2000m
110	15.1	<u>50k Availability</u>	Identified (within 500m)				
111	15.2	<u>Artificial and made ground (50k)</u>	0	0	1	0	-
112	15.3	Artificial ground permeability (50k)	0	0	-	-	-
113	15.4	<u>Superficial geology (50k)</u>	1	0	2	3	-
114	15.5	<u>Superficial permeability (50k)</u>	Identified (within 50m)				
114	15.6	Landslip (50k)	0	0	0	0	-
114	15.7	Landslip permeability (50k)	None (within 50m)				
115	15.8	<u>Bedrock geology (50k)</u>	1	0	2	2	-
116	15.9	<u>Bedrock permeability (50k)</u>	Identified (within 50m)				
116	15.10	<u>Bedrock faults and other linear features (50k)</u>	0	0	3	4	-
Page	Section	Boreholes	On site	0-50m	50-250m	250-500m	500-2000m
118	16.1	<u>BGS Boreholes</u>	0	5	29	-	-
Page	Section	Natural ground subsidence					
121	17.1	<u>Shrink swell clays</u>	Very low (within 50m)				
122	17.2	<u>Running sands</u>	Very low (within 50m)				
123	17.3	<u>Compressible deposits</u>	Negligible (within 50m)				
124	17.4	<u>Collapsible deposits</u>	Very low (within 50m)				
125	17.5	<u>Landslides</u>	Very low (within 50m)				
126	17.6	<u>Ground dissolution of soluble rocks</u>	Negligible (within 50m)				
Page	Section	Mining, ground workings and natural cavities	On site	0-50m	50-250m	250-500m	500-2000m
128	18.1	Natural cavities	0	0	0	0	-
129	18.2	BritPits	0	0	0	0	-
129	18.3	<u>Surface ground workings</u>	0	0	22	-	-
130	18.4	Underground workings	0	0	0	0	0
130	18.5	Historical Mineral Planning Areas	0	0	0	0	-



130	18.6	Non-coal mining	0	0	0	0	0
131	18.7	Mining cavities	0	0	0	0	0
131	18.8	JPB mining areas	None (within 0m)				
131	18.9	<u>Coal mining</u>	Identified (within 0m)				
131	18.10	Brine areas	None (within 0m)				
132	18.11	Gypsum areas	None (within 0m)				
132	18.12	Tin mining	None (within 0m)				
132	18.13	Clay mining	None (within 0m)				
Page	Section	Radon					
133	19.1	<u>Radon</u>	Less than 1% (within 0m)				
Page	Section	Soil chemistry	On site	0-50m	50-250m	250-500m	500-2000m
135	20.1	<u>BGS Estimated Background Soil Chemistry</u>	2	0	-	-	-
135	20.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
135	20.3	BGS Measured Urban Soil Chemistry	0	0	-	-	-
Page	Section	Railway infrastructure and projects	On site	0-50m	50-250m	250-500m	500-2000m
136	21.1	Underground railways (London)	0	0	0	-	-
136	21.2	Underground railways (Non-London)	0	0	0	-	-
137	21.3	Railway tunnels	0	0	0	-	-
137	21.4	<u>Historical railway and tunnel features</u>	0	0	17	-	-
138	21.5	Royal Mail tunnels	0	0	0	-	-
138	21.6	Historical railways	0	0	0	-	-
138	21.7	Railways	0	0	0	-	-
138	21.8	Crossrail 1	0	0	0	0	-
138	21.9	Crossrail 2	0	0	0	0	-
139	21.10	HS2	0	0	0	0	-

Recent aerial photograph



Aerial photography supplied by Getmapping PLC. © Copyright Getmapping PLC 2023. All Rights Reserved.

Capture Date: 23/05/2019

Site Area: 0.03ha



Recent site history - 2012 aerial photograph

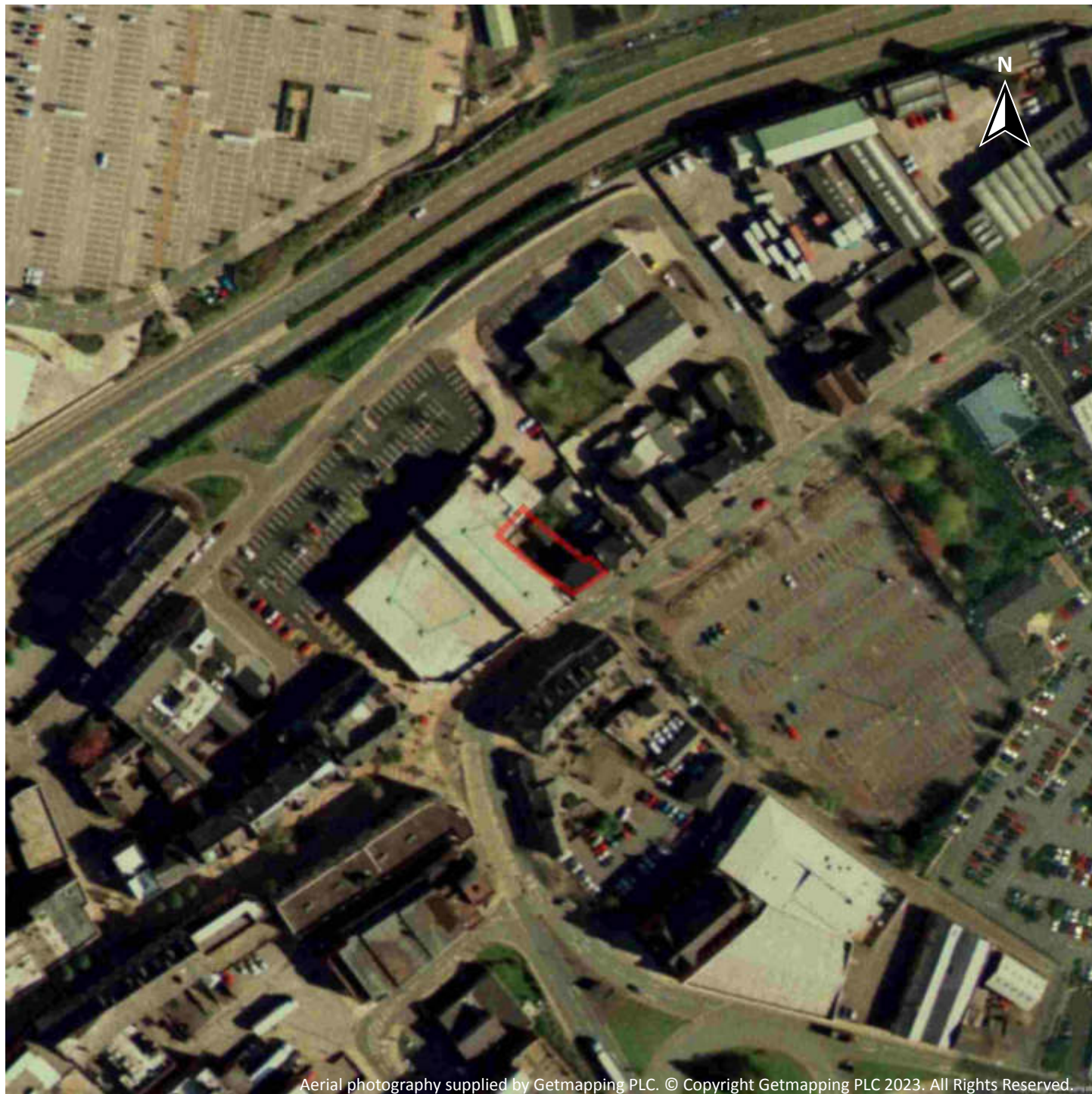


Capture Date: 26/03/2012

Site Area: 0.03ha



Recent site history - 2001 aerial photograph

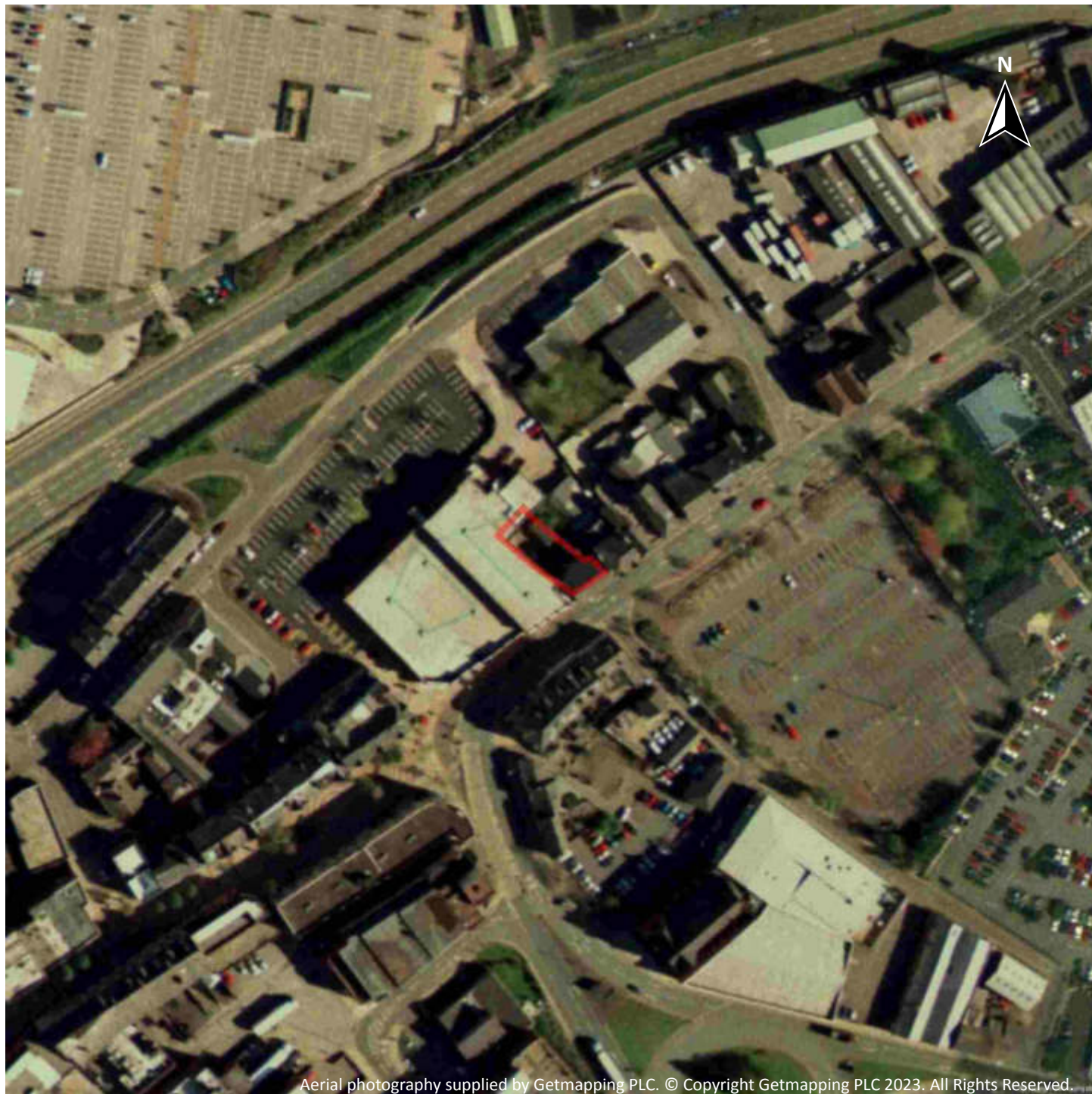


Capture Date: 07/05/2001

Site Area: 0.03ha



Recent site history - 2000 aerial photograph

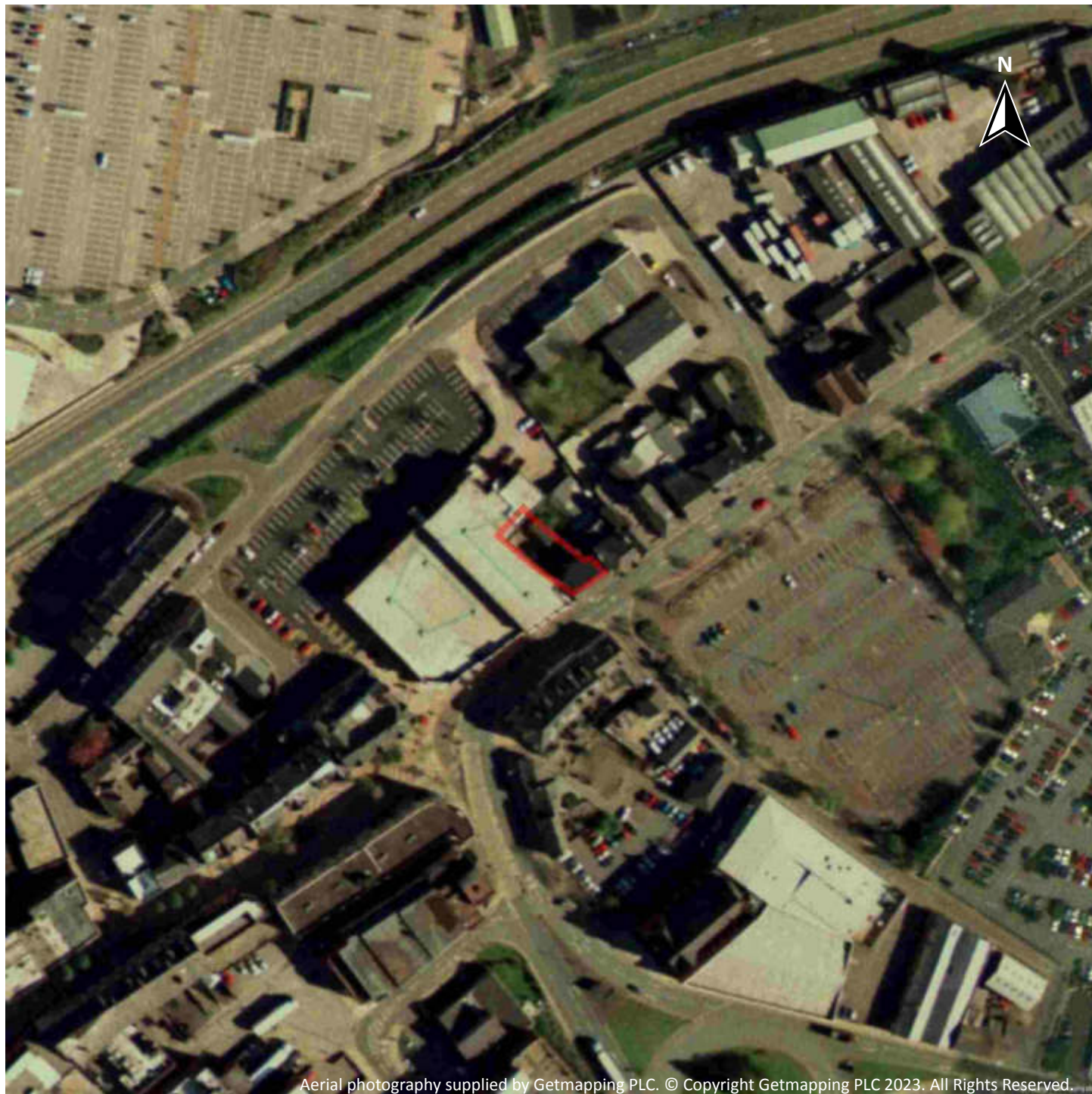


Capture Date: 07/05/2000

Site Area: 0.03ha



Recent site history - 1999 aerial photograph

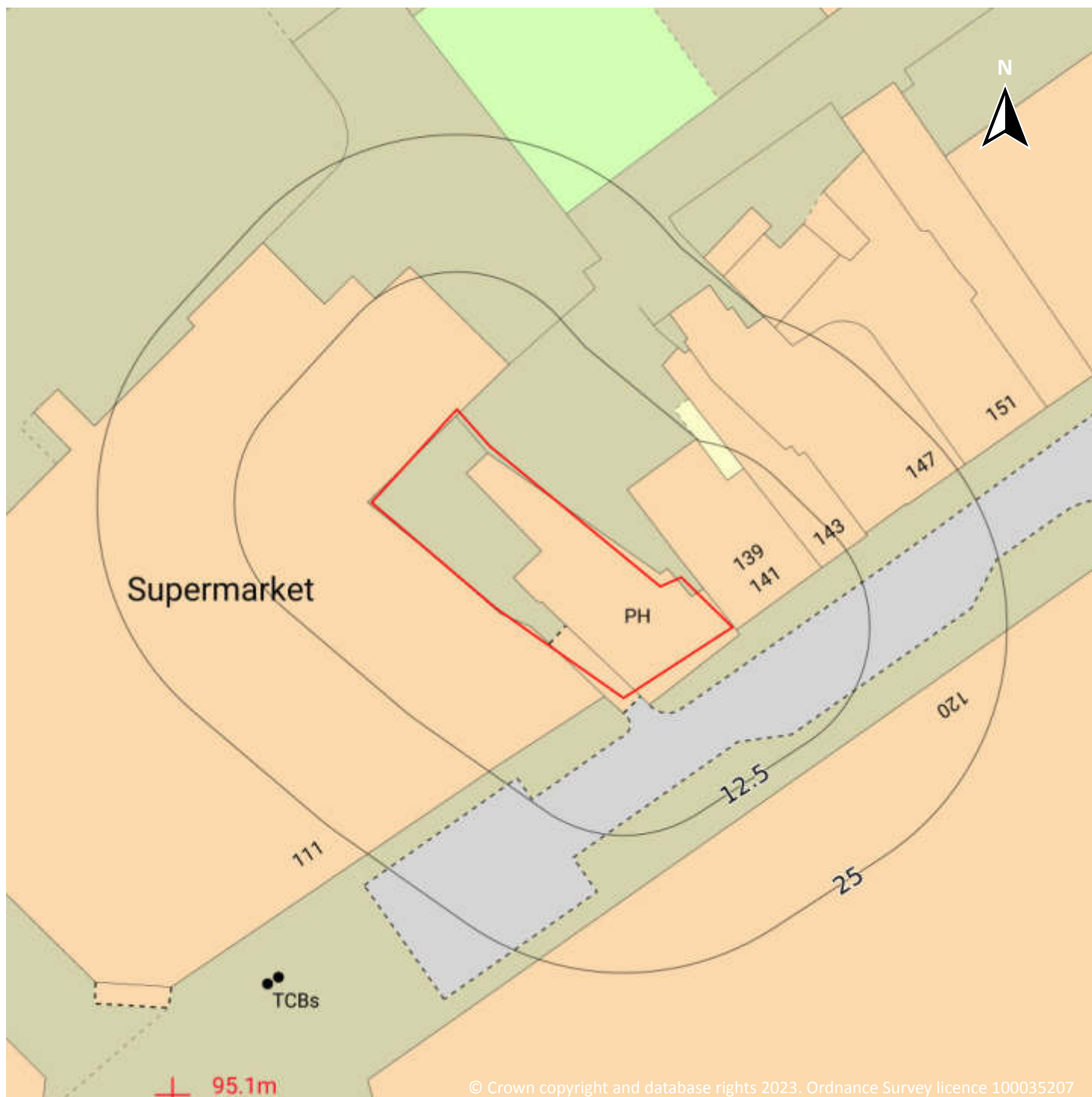


Capture Date: 10/09/1999

Site Area: 0.03ha



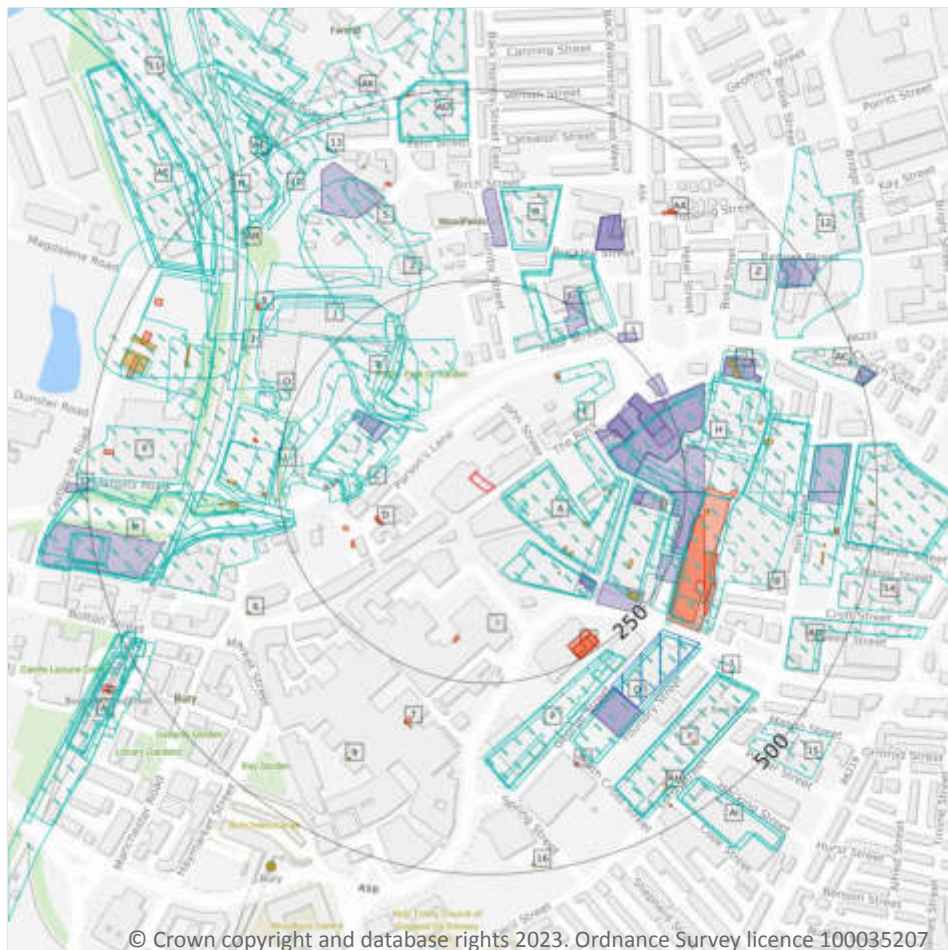
OS MasterMap site plan



Site Area: 0.03ha



1 Past land use



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

1.1 Historical industrial land uses

Records within 500m

148

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

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

ID	Location	Land use	Dates present	Group ID
A	12m SE	Unspecified Works	1967	679053



ID	Location	Land use	Dates present	Group ID
A	18m SE	Unspecified Commercial/Industrial	1891	643120
A	18m SE	Unspecified Mills	1908 - 1938	720318
A	21m SE	Unspecified Mills	1956	722417
A	83m SE	Unspecified Mill	1928 - 1938	698560
A	83m SE	Unspecified Commercial/Industrial	1891 - 1908	749192
B	84m NW	Refuse Heap	1956	714334
A	87m SE	Unspecified Mill	1956	719525
A	87m SE	Unspecified Works	1967 - 1983	760984
C	95m W	Unspecified Ground Workings	1908	648131
C	100m NW	Sawmills	1938 - 1956	697029
C	102m NW	Unspecified Works	1967	679054
B	102m NW	Burial Ground	1908	659447
B	104m NW	Unspecified Pit	1967	690927
B	110m NW	Unspecified Ground Workings	1938	648134
B	112m NW	Unspecified Heap	1928 - 1938	722061
C	113m NW	Refuse Heap	1908	728215
A	130m E	Unspecified Tank	1851	674829
C	132m W	Sawmills	1928	721899
E	138m NE	Fire Station	1967	757715
C	144m W	Unspecified Heap	1891	650906
E	151m NE	Fire Station	1983	771647
A	154m E	Unspecified Mills	1928 - 1938	717387
A	158m E	Unspecified Mills	1956	757028
G	165m N	Sawmills	1956	729111
A	174m E	Unspecified Commercial/Industrial	1851 - 1891	759067
A	175m E	Cotton Mill	1908 - 1938	720713
A	176m E	Unspecified Mills	1891	754787
H	176m E	Cotton Mill	1851	644092



ID	Location	Land use	Dates present	Group ID
A	177m E	Unspecified Mill	1967	656811
G	196m NE	Unspecified Works	1983	679055
G	199m NE	Unspecified Mills	1967	653119
J	200m NW	Refuse Heap	1928	773198
G	213m NE	Sawmills	1928 - 1938	728610
J	225m NW	Rope Walk	1891	641253
L	230m W	Unspecified Ground Workings	1928 - 1938	698099
M	234m W	Railway Sidings	1851 - 1891	759352
L	235m W	Railway Sidings	1956 - 1967	720876
L	235m W	Unspecified Commercial/Industrial	1956 - 1967	722632
M	236m W	Railway Sidings	1908	764894
M	246m W	Railway Sidings	1928	699340
N	246m W	Railway Sidings	1938	752531
H	247m E	Unspecified Works	1928 - 1938	717904
L	248m W	Tannery	1928 - 1956	753897
L	250m W	Unspecified Works	1967 - 1983	738920
J	250m NW	Refuse Heap	1938	699003
L	255m W	Tannery	1908	790929
2	257m N	Refuse Heap	1928	677991
O	258m NW	Unspecified Ground Workings	1928 - 1938	763431
P	258m SE	Unspecified Works	1967	679052
P	259m SE	Unspecified Foundry	1908 - 1938	736073
J	259m NW	Refuse Heap	1956	710356
A	262m E	Iron Foundry	1851	683055
P	263m SE	Unspecified Foundry	1956	750021
O	264m W	Refuse Heap	1956	716616
O	270m W	Refuse Heap	1928 - 1938	744881
J	271m NW	Cuttings	1967	642628



ID	Location	Land use	Dates present	Group ID
J	278m NW	Refuse Heap	1938 - 1956	768349
L	279m W	Tannery	1891	747508
H	282m E	Unspecified Works	1967 - 1983	775726
3	282m NW	Cuttings	1967	642629
L	285m W	Railway Sidings	1851	777041
Q	291m SE	Tram Depot	1928 - 1938	704547
R	294m N	Unspecified Mill	1928	656810
R	296m N	Unspecified Mills	1938	749265
Q	297m SE	Tram Depot	1956	724533
Q	297m SE	Unspecified Depot	1967 - 1983	783304
R	301m N	Unspecified Mills	1956 - 1967	739418
L	305m W	Tan Yard	1851	644813
S	306m N	Refuse Heap	1908	677995
P	324m S	Rope Walk	1851	641264
H	324m E	Unspecified Commercial/Industrial	1908	643126
H	324m E	Unspecified Mill	1928 - 1938	748837
H	332m E	Unspecified Mill	1956	729467
N	337m NW	Unspecified Commercial/Industrial	1928 - 1938	738745
W	345m NW	Railway Sidings	1908 - 1928	701580
H	350m E	Unspecified Mills	1967	762024
V	352m NE	Unspecified Tanks	1891	666443
N	356m W	Unspecified Ground Workings	1967	648135
N	360m W	Unspecified Commercial/Industrial	1956	786805
M	365m W	Railway Sidings	1956 - 1967	749849
X	365m W	Unspecified Works	1983	679050
7	373m SE	Iron Foundry	1851	683057
Y	379m SE	Unspecified Works	1967 - 1983	761901
Y	380m SE	Unspecified Mill	1928 - 1938	727597



ID	Location	Land use	Dates present	Group ID
Y	380m SE	Unspecified Commercial/Industrial	1891 - 1908	736006
Y	385m SE	Unspecified Mill	1956	718356
N	390m NW	Unspecified Works	1967	679051
N	394m W	Unspecified Heap	1967	650905
Z	405m NE	Unspecified Works	1967 - 1983	696440
H	408m E	Unspecified Mill	1928 - 1938	735555
H	408m E	Unspecified Commercial/Industrial	1891 - 1908	757982
W	408m NW	Railway Sidings	1956 - 1967	763924
H	413m E	Unspecified Mill	1956	786777
10	416m NW	Unspecified Ground Workings	1908	648136
Z	417m NE	Unspecified Works	1967	679039
AB	419m NW	Railway Building	1956	669851
AB	420m NW	Unspecified Pit	1891	690873
AC	424m E	Unspecified Works	1983	679040
AD	425m SE	Unspecified Mill	1928 - 1967	699365
AD	425m SE	Unspecified Commercial/Industrial	1891 - 1908	741942
AE	426m NW	Unspecified Mills	1928	784578
AE	428m NW	Unspecified Mills	1938 - 1956	756903
M	428m W	Railway Building	1908 - 1928	779059
AB	429m NW	Unspecified Mill	1891	775232
AF	430m NW	Railway Sidings	1956	718735
AF	431m NW	Sawmill	1983	653544
11	433m NW	Railway Sidings	1891	745839
AG	436m N	Unspecified Mill	1928 - 1938	728159
AG	436m N	Unspecified Mill	1891	763276
AG	440m N	Unspecified Works	1967 - 1983	773178
AE	440m NW	Unspecified Mills	1908	741535
AG	441m N	Unspecified Mill	1956	730332



ID	Location	Land use	Dates present	Group ID
N	442m W	Unspecified Tanks	1956	712755
N	447m W	Unspecified Tanks	1928 - 1938	771204
AE	447m NW	Unspecified Mills	1983	787240
AE	449m NW	Unspecified Mill	1967	783683
AF	450m NW	Unspecified Mill	1967	722834
12	453m NE	Cotton Mill	1851	644089
H	454m E	Cotton Mill	1851	644088
AI	462m SE	Unspecified Commercial/Industrial	1891 - 1908	705891
AI	462m SE	Iron Works	1928 - 1938	758785
13	463m NW	Chimney	1851	684360
H	464m E	Unspecified Mill	1928 - 1938	701806
H	464m E	Unspecified Commercial/Industrial	1891 - 1908	788872
AJ	464m SW	Railway Sidings	1967 - 1983	738242
H	465m E	Unspecified Works	1983	679042
AI	465m SE	Iron Works	1956	716018
AI	465m SE	Unspecified Works	1967 - 1983	784523
14	468m E	Unspecified Works	1967	679041
H	470m E	Unspecified Mills	1956	653120
15	472m SE	Unspecified Works	1967	679046
AJ	473m SW	Railway Station	1967	747305
AK	474m N	Colliery	1851	645270
AJ	475m SW	Railway Station	1983	753891
M	475m W	Goods Station	1956 - 1967	727680
AJ	476m SW	Railway Station	1851	758271
AJ	478m SW	Railway Sidings	1956	765595
AJ	480m SW	Railway Station	1908 - 1938	788801
AJ	481m SW	Railway Station	1956	768551
M	483m W	Goods Station	1891 - 1938	742162



ID	Location	Land use	Dates present	Group ID
M	487m W	Goods Warehouse	1851	680002
AJ	488m SW	Railway Sidings	1851	767367
AK	488m N	Unspecified Ground Workings	1851	648137
AF	493m NW	Railway Building	1956	669850
AK	498m N	Coal Pit	1851	654375
AJ	498m SW	Railway Building	1851	669852
AF	500m NW	Unspecified Mill	1891	743405

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m

40

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

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

ID	Location	Land use	Dates present	Group ID
A	125m E	Unspecified Tank	1891	82564
A	131m SE	Unspecified Tank	1973	82563
A	140m SE	Unspecified Tank	1982	101037
A	140m SE	Unspecified Tank	1982	104036
A	141m SE	Unspecified Tank	1973	89237
A	142m E	Unspecified Tank	1891	82561
A	149m E	Unspecified Tank	1891	90676
I	178m S	Unspecified Tank	1891	82566
A	201m SE	Unspecified Tank	1910	97496
A	222m SE	Unspecified Tank	1891 - 1937	103479
L	266m W	Tanks	1992	91886



ID	Location	Land use	Dates present	Group ID
L	266m W	Tanks	1973 - 1984	91111
A	276m E	Unspecified Tank	1975 - 1983	96386
P	281m S	Unspecified Tank	1891	82565
L	304m W	Unspecified Tank	1937	82562
L	305m W	Tanks	1910	92777
L	321m W	Unspecified Tank	1910	99051
4	335m SW	Unspecified Tank	1930 - 1937	103985
V	345m NE	Unspecified Tank	1891	93625
V	345m NE	Unspecified Tank	1891	82597
H	355m E	Unspecified Tank	1891	82593
H	358m E	Unspecified Tank	1891 - 1959	101591
R	370m N	Unspecified Tank	1973	82639
8	384m E	Unspecified Tank	1891	82595
9	391m SW	Unspecified Tank	1930 - 1937	101735
N	398m W	Unspecified Tank	1937	82560
S	416m N	Unspecified Tank	1973	82640
Y	420m SE	Unspecified Tank	1891	102533
S	423m N	Unspecified Tank	1973	82641
H	437m E	Unspecified Tank	1910	90471
H	437m E	Tanks	1910 - 1930	102275
N	444m NW	Tanks	1930 - 1937	93105
AH	446m SE	Unspecified Tank	1891	94993
N	447m W	Tanks	1930 - 1937	102623
AH	452m SE	Tanks	1973	87167
AH	473m SE	Unspecified Tank	1973 - 1987	101865
16	489m S	Unspecified Tank	1891	102230
H	492m E	Unspecified Tank	1988	82596
H	497m E	Unspecified Tank	1930	82594

ID	Location	Land use	Dates present	Group ID
AG	499m N	Unspecified Tank	1992	82638

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m	30
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Energy features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

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

ID	Location	Land use	Dates present	Group ID
A	121m SE	Electricity Substation	1973	45019
D	126m SW	Electricity Substation	1973	55455
D	129m W	Electricity Substation	1982 - 1998	54386
E	161m NE	Electricity Substation	1973 - 1998	50981
D	170m W	Electricity Substation	1993 - 1998	57749
D	173m SW	Electricity Transformer	1973 - 1987	53229
I	191m S	Electricity Substation	1998	45020
A	217m E	Electricity Substation	1973 - 1987	57767
K	221m SE	Electricity Substation	1993 - 1998	55541
K	228m SE	Electricity Substation	1982	48526
K	229m SE	Electricity Substation	1973	56715
K	230m SE	Electricity Substation	1987	54401
A	261m E	Electricity Generating Station	1910	50867
A	264m E	Electricity Depot	1973 - 1975	52160
L	281m W	Electricity Substation	1983 - 1998	48562
A	287m E	Electricity Depot	1983	54754
G	307m N	Electricity Substation	1996 - 1998	54434

ID	Location	Land use	Dates present	Group ID
T	311m S	Electricity Substation	1973 - 1987	52184
T	321m S	Electricity Substation	1993 - 1998	47160
5	352m NW	Electricity Substation	1998	45022
6	372m S	Electricity Substation	1993 - 1998	48594
S	389m N	Electricity Substation	1985 - 1998	53197
AA	416m NE	Electricity Substation	1996 - 1998	54702
AA	421m NE	Electricity Substation	1973 - 1989	55975
H	449m E	Electricity Substation	1975 - 1988	57712
H	449m E	Electricity Substation	1994	53128
N	456m NW	Electricity Substation	1983 - 1998	55981
N	459m W	Electricity Substation	1983 - 1998	48729
N	462m NW	Electricity Substation	1983	45023
X	466m W	Electricity Substation	1983 - 1998	56820

This data is sourced from Ordnance Survey / Groundsure.

1.4 Historical petrol stations

Records within 500m

0

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

This data is sourced from Ordnance Survey / Groundsure.

1.5 Historical garages

Records within 500m

44

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



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

ID	Location	Land use	Dates present	Group ID
C	123m NW	Garage	1973	16969
C	136m NW	Garage	1958 - 1959	19159
F	150m NE	Garage	1959	16833
F	150m NE	Garage	1973 - 1985	17414
F	155m E	Garage	1985 - 1989	17677
F	157m E	Garage	1985	17211
A	161m SE	Garage	1982 - 1987	19270
A	161m SE	Garage	1973	15039
A	168m SE	Garage	1993 - 1998	17415
F	168m NE	Garage	1985 - 1989	18777
F	169m NE	Garage	1958	16445
A	179m E	Garage	1987	16332
A	179m E	Garage	1998	15295
A	179m E	Garage	1993	17144
A	182m E	Garage	1996 - 1998	17874
A	183m E	Garage	1996 - 1998	19194
A	189m SE	Garage	1982	19722
F	207m NE	Garage	1973	15877
F	208m NE	Garage	1959	16465
F	208m NE	Garage	1958	15575
G	215m NE	Garage	1973	14614
A	225m E	Garage	1998	15554
A	225m E	Garage	1987 - 1993	17867
A	235m E	Garage	1993 - 1998	19401
F	241m NE	Garage	1973	14615
1	249m NE	Garage	1958 - 1959	19690
R	296m N	Garage	1996 - 1998	18909

ID	Location	Land use	Dates present	Group ID
Q	304m SE	Garage	1982	18635
Q	305m SE	Garage	1973	16462
U	330m NE	Garage	1985 - 1989	18502
U	331m NE	Garage	1996 - 1998	19247
U	331m NE	Garage	1985	14891
V	333m NE	Garage	1958 - 1984	18957
V	333m NE	Garage	1959 - 1988	17661
U	354m NE	Garage	1973	16119
S	366m NW	Vehicle Dismantlers Yard	1973	14780
M	406m W	Garage	1978	18125
H	411m E	Garage	1975 - 1983	19185
H	412m E	Garage	1983 - 1984	19703
Z	453m NE	Garage	1996 - 1997	18855
Z	462m NE	Garage	1988	16419
AC	490m E	Garage	1996 - 1997	19424
AC	491m E	Garage	1988	15844
17	497m W	Garage	1958 - 1959	18184

This data is sourced from Ordnance Survey / Groundsure.

1.6 Historical military land

Records within 500m

1

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.

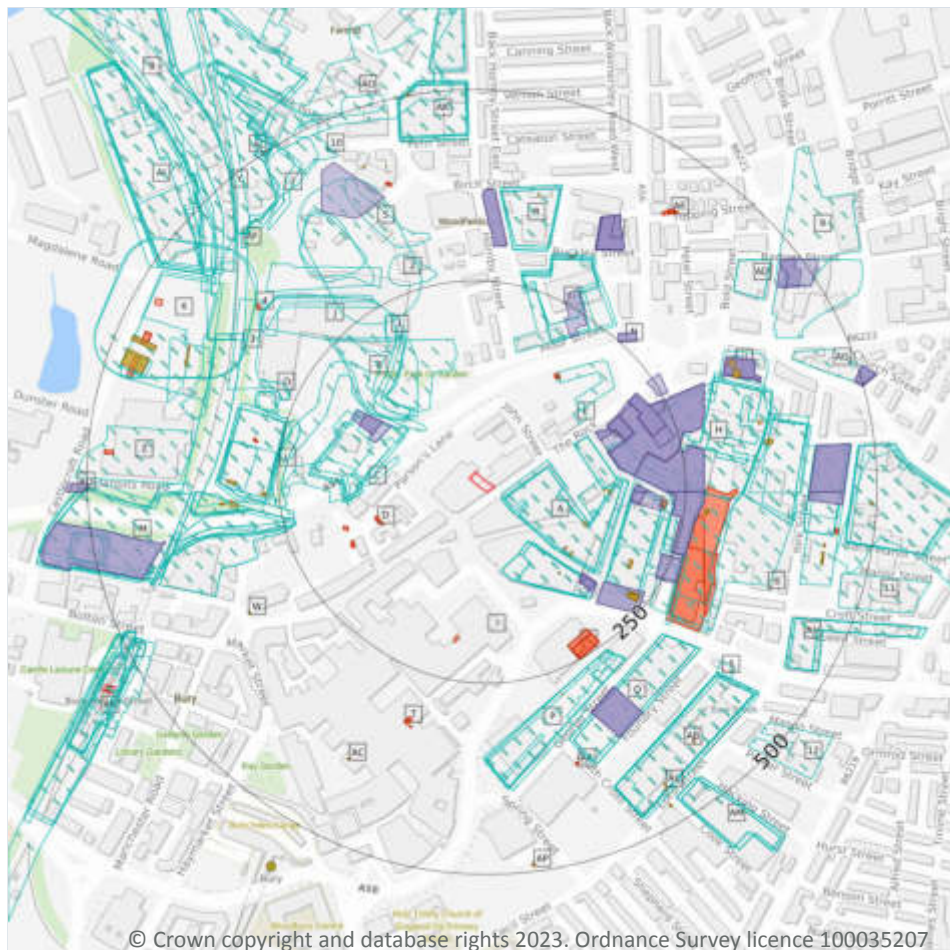
Features are displayed on the Past land use map on **page 14**

ID	Location	Site Name	Date of Operation	Activities
Q	288m SE	Bury	circa WWI	National Shell Factory; 18pdr and 4.5in shell, rectifying shell

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



2 Past land use - un-grouped



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

2.1 Historical industrial land uses

Records within 500m

210

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 26**

ID	Location	Land Use	Date	Group ID
A	12m SE	Unspecified Works	1967	679053
A	18m SE	Unspecified Mills	1938	720318
A	18m SE	Unspecified Commercial/Industrial	1891	643120



ID	Location	Land Use	Date	Group ID
A	18m SE	Unspecified Mills	1928	720318
A	18m SE	Unspecified Mills	1908	720318
A	21m SE	Unspecified Mills	1956	722417
A	83m SE	Unspecified Mill	1938	698560
A	83m SE	Unspecified Commercial/Industrial	1891	749192
A	83m SE	Unspecified Mill	1928	698560
A	83m SE	Unspecified Commercial/Industrial	1908	749192
B	84m NW	Refuse Heap	1956	714334
A	87m SE	Unspecified Works	1983	760984
A	87m SE	Unspecified Mill	1956	719525
A	87m SE	Unspecified Works	1967	760984
C	95m W	Unspecified Ground Workings	1908	648131
C	100m NW	Sawmills	1956	697029
C	102m NW	Unspecified Works	1967	679054
C	102m NW	Sawmills	1938	697029
B	102m NW	Burial Ground	1908	659447
B	104m NW	Unspecified Pit	1967	690927
B	110m NW	Unspecified Ground Workings	1938	648134
B	112m NW	Unspecified Heap	1928	722061
C	113m NW	Refuse Heap	1908	728215
A	130m E	Unspecified Tank	1851	674829
C	132m W	Sawmills	1928	721899
E	138m NE	Fire Station	1967	757715
C	144m W	Unspecified Heap	1891	650906
E	151m NE	Fire Station	1983	771647
A	154m E	Unspecified Mills	1938	717387
A	154m E	Unspecified Mills	1928	717387
A	158m E	Unspecified Mills	1956	757028



ID	Location	Land Use	Date	Group ID
G	165m N	Sawmills	1956	729111
A	174m E	Unspecified Commercial/Industrial	1851	759067
A	175m E	Cotton Mill	1938	720713
A	175m E	Unspecified Commercial/Industrial	1891	759067
A	175m E	Cotton Mill	1928	720713
A	175m E	Cotton Mill	1908	720713
A	176m E	Unspecified Mills	1891	754787
H	176m E	Cotton Mill	1851	644092
A	177m E	Unspecified Mill	1967	656811
G	196m NE	Unspecified Works	1983	679055
1	197m NW	Unspecified Heap	1938	722061
G	199m NE	Unspecified Mills	1967	653119
J	200m NW	Refuse Heap	1928	773198
G	213m NE	Sawmills	1928	728610
G	213m NE	Sawmills	1938	728610
J	225m NW	Rope Walk	1891	641253
L	230m W	Unspecified Ground Workings	1938	698099
L	230m W	Unspecified Ground Workings	1928	698099
M	234m W	Railway Sidings	1891	759352
L	235m W	Railway Sidings	1956	720876
L	235m W	Unspecified Commercial/Industrial	1956	722632
L	235m W	Railway Sidings	1967	720876
L	235m W	Unspecified Commercial/Industrial	1967	722632
M	236m W	Railway Sidings	1908	764894
M	246m W	Railway Sidings	1938	752531
M	246m W	Railway Sidings	1928	699340
H	247m E	Unspecified Works	1938	717904
H	247m E	Unspecified Works	1928	717904



ID	Location	Land Use	Date	Group ID
L	248m W	Tannery	1956	753897
L	250m W	Unspecified Works	1983	738920
L	250m W	Unspecified Works	1967	738920
J	250m NW	Refuse Heap	1938	699003
L	252m W	Tannery	1938	753897
L	252m W	Tannery	1928	753897
L	255m W	Tannery	1908	790929
2	257m N	Refuse Heap	1928	677991
O	258m NW	Unspecified Ground Workings	1938	763431
O	258m NW	Unspecified Ground Workings	1928	763431
P	258m SE	Unspecified Works	1967	679052
P	259m SE	Unspecified Foundry	1938	736073
P	259m SE	Unspecified Foundry	1928	736073
P	259m SE	Unspecified Foundry	1908	736073
J	259m NW	Refuse Heap	1956	710356
A	262m E	Iron Foundry	1851	683055
P	263m SE	Unspecified Foundry	1956	750021
O	264m W	Refuse Heap	1956	716616
O	270m W	Refuse Heap	1938	744881
O	270m W	Refuse Heap	1928	744881
J	271m NW	Cuttings	1967	642628
J	278m NW	Refuse Heap	1938	768349
L	279m W	Tannery	1891	747508
H	282m E	Unspecified Works	1983	775726
H	282m E	Unspecified Works	1967	775726
3	282m NW	Cuttings	1967	642629
L	285m W	Railway Sidings	1851	777041
Q	291m SE	Tram Depot	1938	704547



ID	Location	Land Use	Date	Group ID
Q	291m SE	Tram Depot	1928	704547
R	294m N	Unspecified Mill	1928	656810
R	296m N	Unspecified Mills	1938	749265
Q	297m SE	Unspecified Depot	1983	783304
Q	297m SE	Tram Depot	1956	724533
Q	297m SE	Unspecified Depot	1967	783304
R	301m N	Unspecified Mills	1956	739418
R	301m N	Unspecified Mills	1967	739418
J	304m NW	Refuse Heap	1956	768349
L	305m W	Tan Yard	1851	644813
S	306m N	Refuse Heap	1908	677995
P	324m S	Rope Walk	1851	641264
H	324m E	Unspecified Mill	1938	748837
H	324m E	Unspecified Mill	1928	748837
H	324m E	Unspecified Commercial/Industrial	1908	643126
H	332m E	Unspecified Mill	1956	729467
X	337m NW	Unspecified Commercial/Industrial	1928	738745
X	338m NW	Unspecified Commercial/Industrial	1938	738745
Y	345m NW	Railway Sidings	1928	701580
H	350m E	Unspecified Mills	1967	762024
V	352m NE	Unspecified Tanks	1891	666443
X	356m W	Unspecified Ground Workings	1967	648135
X	360m W	Unspecified Commercial/Industrial	1956	786805
Y	360m NW	Railway Sidings	1938	752531
M	365m W	Railway Sidings	1956	749849
M	365m W	Railway Sidings	1967	749849
Z	365m W	Unspecified Works	1983	679050
5	373m SE	Iron Foundry	1851	683057



ID	Location	Land Use	Date	Group ID
AB	379m SE	Unspecified Works	1983	761901
AB	379m SE	Unspecified Works	1967	761901
AB	380m SE	Unspecified Mill	1938	727597
AB	380m SE	Unspecified Commercial/Industrial	1891	736006
AB	380m SE	Unspecified Mill	1928	727597
AB	380m SE	Unspecified Commercial/Industrial	1908	736006
AB	385m SE	Unspecified Mill	1956	718356
X	390m NW	Unspecified Works	1967	679051
X	394m W	Unspecified Heap	1967	650905
AD	405m NE	Unspecified Works	1983	696440
AD	405m NE	Unspecified Works	1967	696440
H	408m E	Unspecified Mill	1938	735555
H	408m E	Unspecified Commercial/Industrial	1891	757982
H	408m E	Unspecified Mill	1928	735555
H	408m E	Unspecified Commercial/Industrial	1908	757982
Y	408m NW	Railway Sidings	1956	763924
Y	410m NW	Railway Sidings	1967	763924
H	413m E	Unspecified Mill	1956	786777
7	416m NW	Unspecified Ground Workings	1908	648136
AD	417m NE	Unspecified Works	1967	679039
M	419m W	Railway Sidings	1851	759352
AF	419m NW	Railway Building	1956	669851
AF	420m NW	Unspecified Pit	1891	690873
Y	424m NW	Railway Sidings	1908	701580
AG	424m E	Unspecified Works	1983	679040
AH	425m SE	Unspecified Mill	1938	699365
AH	425m SE	Unspecified Commercial/Industrial	1891	741942
AH	425m SE	Unspecified Mill	1928	699365



ID	Location	Land Use	Date	Group ID
AH	425m SE	Unspecified Commercial/Industrial	1908	741942
AI	426m NW	Unspecified Mills	1928	784578
AI	428m NW	Unspecified Mills	1956	756903
M	428m W	Railway Building	1908	779059
AF	429m NW	Unspecified Mill	1891	775232
AH	430m SE	Unspecified Mill	1956	699365
AH	430m SE	Unspecified Mill	1967	699365
AJ	430m NW	Railway Sidings	1956	718735
M	430m W	Railway Building	1928	779059
AJ	431m NW	Sawmill	1983	653544
8	433m NW	Railway Sidings	1891	745839
AK	436m N	Unspecified Mill	1938	728159
AK	436m N	Unspecified Mill	1891	763276
AK	436m N	Unspecified Mill	1928	728159
AK	440m N	Unspecified Works	1983	773178
AI	440m NW	Unspecified Mills	1908	741535
AK	441m N	Unspecified Mill	1956	730332
X	442m W	Unspecified Tanks	1956	712755
AK	442m N	Unspecified Works	1967	773178
X	447m W	Unspecified Tanks	1938	771204
X	447m W	Unspecified Tanks	1928	771204
AI	447m NW	Unspecified Mills	1983	787240
AI	449m NW	Unspecified Mill	1967	783683
AJ	450m NW	Unspecified Mill	1967	722834
9	453m NE	Cotton Mill	1851	644089
H	454m E	Cotton Mill	1851	644088
AM	462m SE	Iron Works	1938	758785
AM	462m SE	Unspecified Commercial/Industrial	1891	705891



ID	Location	Land Use	Date	Group ID
AM	462m SE	Iron Works	1928	758785
AM	462m SE	Unspecified Commercial/Industrial	1908	705891
10	463m NW	Chimney	1851	684360
H	464m E	Unspecified Mill	1938	701806
H	464m E	Unspecified Commercial/Industrial	1891	788872
H	464m E	Unspecified Mill	1928	701806
H	464m E	Unspecified Commercial/Industrial	1908	788872
AN	464m SW	Railway Sidings	1967	738242
H	465m E	Unspecified Works	1983	679042
AM	465m SE	Unspecified Works	1983	784523
AM	465m SE	Iron Works	1956	716018
AM	465m SE	Unspecified Works	1967	784523
AI	467m NW	Unspecified Mills	1938	756903
11	468m E	Unspecified Works	1967	679041
H	470m E	Unspecified Mills	1956	653120
12	472m SE	Unspecified Works	1967	679046
AN	473m SW	Railway Station	1967	747305
AO	474m N	Colliery	1851	645270
AN	475m SW	Railway Station	1983	753891
AN	475m SW	Railway Sidings	1983	738242
M	475m W	Goods Station	1956	727680
M	475m W	Goods Station	1967	727680
AN	476m SW	Railway Station	1851	758271
AN	478m SW	Railway Sidings	1956	765595
AN	480m SW	Railway Station	1938	788801
AN	480m SW	Railway Station	1928	788801
AN	480m SW	Railway Station	1908	788801
AN	481m SW	Railway Station	1956	768551

ID	Location	Land Use	Date	Group ID
M	483m W	Goods Station	1938	742162
M	483m W	Goods Station	1891	742162
M	483m W	Goods Station	1928	742162
M	483m W	Goods Station	1908	742162
M	487m W	Goods Warehouse	1851	680002
AN	488m SW	Railway Sidings	1851	767367
AO	488m N	Unspecified Ground Workings	1851	648137
AJ	493m NW	Railway Building	1956	669850
AO	498m N	Coal Pit	1851	654375
AN	498m SW	Railway Building	1851	669852
AJ	500m NW	Unspecified Mill	1891	743405

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m

69

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 26**

ID	Location	Land Use	Date	Group ID
A	125m E	Unspecified Tank	1891	82564
A	131m SE	Unspecified Tank	1973	82563
A	140m SE	Unspecified Tank	1982	101037
A	140m SE	Unspecified Tank	1982	104036
A	141m SE	Unspecified Tank	1973	89237
A	142m E	Unspecified Tank	1891	82561
A	149m E	Unspecified Tank	1891	90676
A	149m E	Unspecified Tank	1891	90676
I	178m S	Unspecified Tank	1891	82566



ID	Location	Land Use	Date	Group ID
A	201m SE	Unspecified Tank	1910	97496
A	201m SE	Unspecified Tank	1910	97496
A	222m SE	Unspecified Tank	1891	103479
A	222m SE	Unspecified Tank	1891	103479
A	222m SE	Unspecified Tank	1910	103479
A	222m SE	Unspecified Tank	1930	103479
A	222m SE	Unspecified Tank	1937	103479
A	222m SE	Unspecified Tank	1910	103479
L	266m W	Tanks	1992	91886
L	266m W	Tanks	1984	91111
L	266m W	Tanks	1973	91111
L	266m W	Tanks	1978	91111
L	266m W	Tanks	1978	91111
A	276m E	Unspecified Tank	1975	96386
A	276m E	Unspecified Tank	1983	96386
P	281m S	Unspecified Tank	1891	82565
L	304m W	Unspecified Tank	1937	82562
L	305m W	Tanks	1910	92777
L	305m W	Tanks	1910	92777
L	321m W	Unspecified Tank	1910	99051
L	321m W	Unspecified Tank	1910	99051
W	335m SW	Unspecified Tank	1930	103985
W	335m SW	Unspecified Tank	1937	103985
V	345m NE	Unspecified Tank	1891	93625
V	345m NE	Unspecified Tank	1891	93625
V	345m NE	Unspecified Tank	1891	82597
H	355m E	Unspecified Tank	1891	82593
H	358m E	Unspecified Tank	1891	101591



ID	Location	Land Use	Date	Group ID
H	362m E	Unspecified Tank	1959	101591
H	363m E	Unspecified Tank	1958	101591
R	370m N	Unspecified Tank	1973	82639
6	384m E	Unspecified Tank	1891	82595
AC	391m SW	Unspecified Tank	1930	101735
AC	391m SW	Unspecified Tank	1937	101735
X	398m W	Unspecified Tank	1937	82560
S	416m N	Unspecified Tank	1973	82640
AB	420m SE	Unspecified Tank	1891	102533
AB	421m SE	Unspecified Tank	1891	102533
S	423m N	Unspecified Tank	1973	82641
H	437m E	Unspecified Tank	1910	90471
H	437m E	Unspecified Tank	1910	90471
H	437m E	Tanks	1910	102275
H	437m E	Tanks	1930	102275
H	437m E	Tanks	1910	102275
X	444m NW	Tanks	1930	93105
X	444m NW	Tanks	1937	93105
AL	446m SE	Unspecified Tank	1891	94993
AL	446m SE	Unspecified Tank	1891	94993
X	447m W	Tanks	1930	102623
X	447m W	Tanks	1937	102623
AL	452m SE	Tanks	1973	87167
AL	473m SE	Unspecified Tank	1982	101865
AL	473m SE	Unspecified Tank	1982	101865
AL	473m SE	Unspecified Tank	1987	101865
AL	474m SE	Unspecified Tank	1973	101865
AP	489m S	Unspecified Tank	1891	102230



ID	Location	Land Use	Date	Group ID
AP	489m S	Unspecified Tank	1891	102230
H	492m E	Unspecified Tank	1988	82596
H	497m E	Unspecified Tank	1930	82594
AK	499m N	Unspecified Tank	1992	82638

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m	75
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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 26**

ID	Location	Land Use	Date	Group ID
A	121m SE	Electricity Substation	1973	45019
D	126m SW	Electricity Substation	1973	55455
D	129m W	Electricity Substation	1982	54386
D	129m W	Electricity Substation	1982	54386
D	129m W	Electricity Substation	1987	54386
D	129m W	Electricity Substation	1993	54386
D	129m W	Electricity Substation	1998	54386
E	161m NE	Electricity Substation	1985	50981
E	161m NE	Electricity Substation	1989	50981
E	161m NE	Electricity Substation	1996	50981
E	161m NE	Electricity Substation	1997	50981
E	161m NE	Electricity Substation	1998	50981
E	162m NE	Electricity Substation	1985	50981
E	162m NE	Electricity Substation	1973	50981
D	170m W	Electricity Substation	1993	57749
D	170m W	Electricity Substation	1998	57749



ID	Location	Land Use	Date	Group ID
D	173m SW	Electricity Transformer	1973	53229
D	173m SW	Electricity Transformer	1982	53229
D	173m SW	Electricity Transformer	1982	53229
D	173m SW	Electricity Transformer	1987	53229
I	191m S	Electricity Substation	1998	45020
A	217m E	Electricity Substation	1982	57767
A	217m E	Electricity Substation	1982	57767
A	217m E	Electricity Substation	1987	57767
A	218m E	Electricity Substation	1973	57767
K	221m SE	Electricity Substation	1993	55541
K	221m SE	Electricity Substation	1998	55541
K	228m SE	Electricity Substation	1982	48526
K	228m SE	Electricity Substation	1982	48526
K	229m SE	Electricity Substation	1973	56715
K	230m SE	Electricity Substation	1987	54401
A	261m E	Electricity Generating Station	1910	50867
A	261m E	Electricity Generating Station	1910	50867
A	264m E	Electricity Depot	1973	52160
A	265m E	Electricity Depot	1973	52160
L	281m W	Electricity Substation	1983	48562
L	281m W	Electricity Substation	1998	48562
A	286m E	Electricity Depot	1975	52160
A	287m E	Electricity Depot	1983	54754
G	307m N	Electricity Substation	1996	54434
G	307m N	Electricity Substation	1997	54434
G	307m N	Electricity Substation	1998	54434
T	311m S	Electricity Substation	1982	52184
T	311m S	Electricity Substation	1982	52184



ID	Location	Land Use	Date	Group ID
T	311m S	Electricity Substation	1987	52184
T	311m S	Electricity Substation	1973	52184
T	321m S	Electricity Substation	1993	47160
T	321m S	Electricity Substation	1998	47160
4	352m NW	Electricity Substation	1998	45022
AA	372m S	Electricity Substation	1993	48594
AA	372m S	Electricity Substation	1998	48594
S	389m N	Electricity Substation	1996	53197
S	389m N	Electricity Substation	1997	53197
S	389m N	Electricity Substation	1998	53197
S	390m N	Electricity Substation	1985	53197
S	390m N	Electricity Substation	1989	53197
AE	416m NE	Electricity Substation	1996	54702
AE	416m NE	Electricity Substation	1997	54702
AE	416m NE	Electricity Substation	1998	54702
AE	421m NE	Electricity Substation	1985	55975
AE	421m NE	Electricity Substation	1989	55975
AE	422m NE	Electricity Substation	1985	55975
AE	422m NE	Electricity Substation	1973	55975
H	449m E	Electricity Substation	1983	57712
H	449m E	Electricity Substation	1985	57712
H	449m E	Electricity Substation	1994	53128
H	450m E	Electricity Substation	1975	57712
H	450m E	Electricity Substation	1988	57712
X	456m NW	Electricity Substation	1983	55981
X	456m NW	Electricity Substation	1998	55981
X	459m W	Electricity Substation	1998	48729
X	459m W	Electricity Substation	1983	48729



ID	Location	Land Use	Date	Group ID
X	462m NW	Electricity Substation	1983	45023
Z	466m W	Electricity Substation	1998	56820
Z	466m W	Electricity Substation	1983	56820

This data is sourced from Ordnance Survey / Groundsure.

2.4 Historical petrol stations

Records within 500m

0

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

This data is sourced from Ordnance Survey / Groundsure.

2.5 Historical garages

Records within 500m

76

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 26**

ID	Location	Land Use	Date	Group ID
C	123m NW	Garage	1973	16969
C	136m NW	Garage	1959	19159
C	136m NW	Garage	1958	19159
F	150m NE	Garage	1959	16833
F	150m NE	Garage	1985	17414
F	150m NE	Garage	1973	17414
F	155m E	Garage	1985	17677
F	155m E	Garage	1989	17677
F	157m E	Garage	1985	17211
A	161m SE	Garage	1982	19270



ID	Location	Land Use	Date	Group ID
A	161m SE	Garage	1982	19270
A	161m SE	Garage	1987	19270
A	161m SE	Garage	1973	15039
A	168m SE	Garage	1998	17415
A	168m SE	Garage	1993	17415
F	168m NE	Garage	1985	18777
F	168m NE	Garage	1989	18777
F	169m NE	Garage	1958	16445
A	179m E	Garage	1987	16332
A	179m E	Garage	1998	15295
A	179m E	Garage	1993	17144
A	182m E	Garage	1998	17874
A	182m E	Garage	1996	17874
A	182m E	Garage	1997	17874
A	183m E	Garage	1998	19194
A	183m E	Garage	1996	19194
A	183m E	Garage	1997	19194
A	189m SE	Garage	1982	19722
A	189m SE	Garage	1982	19722
F	207m NE	Garage	1973	15877
F	208m NE	Garage	1959	16465
F	208m NE	Garage	1958	15575
G	215m NE	Garage	1973	14614
A	225m E	Garage	1998	15554
A	225m E	Garage	1993	17867
A	231m E	Garage	1987	17867
A	235m E	Garage	1993	19401
A	236m E	Garage	1998	19401

ID	Location	Land Use	Date	Group ID
F	241m NE	Garage	1973	14615
N	249m NE	Garage	1959	19690
N	250m NE	Garage	1958	19690
R	296m N	Garage	1998	18909
R	296m N	Garage	1996	18909
R	296m N	Garage	1997	18909
Q	304m SE	Garage	1982	18635
Q	304m SE	Garage	1982	18635
Q	305m SE	Garage	1973	16462
U	330m NE	Garage	1985	18502
U	330m NE	Garage	1989	18502
U	331m NE	Garage	1998	19247
U	331m NE	Garage	1996	19247
U	331m NE	Garage	1997	19247
U	331m NE	Garage	1985	14891
V	333m NE	Garage	1983	18957
V	333m NE	Garage	1983	18957
V	333m NE	Garage	1984	18957
V	333m NE	Garage	1988	17661
V	333m NE	Garage	1959	17661
V	333m NE	Garage	1958	18957
U	354m NE	Garage	1973	16119
S	366m NW	Vehicle Dismantlers Yard	1973	14780
M	406m W	Garage	1978	18125
M	406m W	Garage	1978	18125
H	411m E	Garage	1983	19185
H	412m E	Garage	1975	19185
H	412m E	Garage	1983	19703



ID	Location	Land Use	Date	Group ID
H	412m E	Garage	1983	19703
H	412m E	Garage	1984	19703
AD	453m NE	Garage	1996	18855
AD	453m NE	Garage	1997	18855
AD	462m NE	Garage	1988	16419
AG	490m E	Garage	1996	19424
AG	490m E	Garage	1997	19424
AG	491m E	Garage	1988	15844
AQ	497m W	Garage	1958	18184
AQ	497m W	Garage	1959	18184

This data is sourced from Ordnance Survey / Groundsure.



ID	Location	Address	BGS Number	Risk	Waste Type
5	124m NW	Woodfields, Bury	1084	No risk to aquifer	N/A

This data is sourced from the British Geological Survey.

3.3 Historical landfill (LA/mapping records)

Records within 500m	1
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Landfill sites identified from Local Authority records and high detail historical mapping.

Features are displayed on the Waste and landfill map on **page 44**

ID	Location	Site address	Source	Data type
4	114m NW	Refuse Tip	1972 mapping	Polygon

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

3.4 Historical landfill (EA/NRW records)

Records within 500m	1
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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 44**

ID	Location	Details		
3	103m NW	Site Address: Woodfields, Bury, Greater Manchester Licence Holder Address: -	Waste Licence: - Site Reference: C079 Waste Type: Industrial, Commercial, Household, Liquid sludge Environmental Permitting Regulations (Waste) Reference: - Licence Issue: - Licence Surrender: -	Operator: County Borough of Bury Cleansing Department Licence Holder: - First Recorded 31/10/1971 Last Recorded: -

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

3.5 Historical waste sites

Records within 500m

31

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 44**

ID	Location	Address	Further Details	Date
A	305m NW	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1996
A	305m NW	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1997
A	305m NW	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1998
A	306m NW	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1985
A	306m NW	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1989
A	306m NW	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1984
B	338m N	Site Address: N/A	Type of Site: Scrap Metal Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1985



ID	Location	Address	Further Details	Date
B	338m N	Site Address: N/A	Type of Site: Scrap Metal Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1989
B	339m N	Site Address: N/A	Type of Site: Scrap Metal Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1984
B	339m N	Site Address: N/A	Type of Site: Scrap Metal Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1972
B	339m N	Site Address: N/A	Type of Site: Scrap Metal Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1996
B	339m N	Site Address: N/A	Type of Site: Scrap Metal Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1997
B	339m N	Site Address: N/A	Type of Site: Scrap Metal Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1998
A	345m NW	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1984
A	345m NW	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1985
A	345m NW	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1989



ID	Location	Address	Further Details	Date
A	346m NW	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1996
A	346m NW	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1997
A	346m NW	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1998
A	353m NW	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1998
A	355m NW	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1982
A	365m NW	Site Address: Tile Street, BURY, Greater Manchester, BL9 5BR	Type of Site: Waste Transfer Station (Conversion) Planning application reference: 44340 Description: Scheme comprises proposed change of use from breakers yard to materials recycling facility & contractors yard. An application (ref: 44340) for detailed planning permission was withdrawn from Bury M.B.C. Planning decision obtained Data source: Historic Planning Application Data Type: Point	-
A	366m NW	Site Address: Land At, Tile Street, BURY, Greater Manchester, BL9 5BR	Type of Site: Waste Recycling Centre (Extension) Planning application reference: 54507 Description: Scheme comprises extension to an waste recycling centre to allow further recycling of non hazardous skip waste. An application (ref: 54507) for detailed planning permission was submitted to Bury M.B.C. A detailed planning application has been submitted. Data source: Historic Planning Application Data Type: Point	04/06/2012



ID	Location	Address	Further Details	Date
D	401m E	Site Address: York Street, Mill, York Street, BURY, Greater Manchester, BL9 7AR	Type of Site: Waste Recycling Building Planning application reference: 51924 Description: Scheme comprises change of use of site to waste recycling centre with construction of transfer building. An application (ref: 51924) for detailed planning permission was granted by Bury M.B.C. A detailed planning application has been granted. Data source: Historic Planning Application Data Type: Point	20/07/2010
D	409m E	Site Address: N/A	Type of Site: Scrap Metal Works Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1983
D	409m E	Site Address: N/A	Type of Site: Scrap Metal Works Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1985
D	409m E	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1994
D	409m E	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1994
D	409m E	Site Address: N/A	Type of Site: Scrap Metal Works Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1974
D	409m E	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1987
D	449m E	Site Address: Manor Street, BURY, Greater Manchester, BL9 7BL	Type of Site: Recycling Centre Planning application reference: 32631/96 Description: An application (ref: 32631/96) for Detailed Planning permission was submitted to Bury M.B.C. on 31st October 1996. Data source: Historic Planning Application Data Type: Point	-



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

3.6 Licensed waste sites

Records within 500m

17

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

Features are displayed on the Waste and landfill map on **page 44**

ID	Location	Details		
A	355m NW	Site Name: A1 Van Breakers Site Address: Gate 2, Tile Street, Woodfields, Bury, Lancashire, BL9 5BR Correspondence Address: -	Type of Site: ELV Facility Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: SMI004 EPR reference: EA/EPR/ZP3994CR/A001 Operator: Smith Ian Waste Management licence No: 50372 Annual Tonnage: 2500	Issue Date: 25/04/2005 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
A	380m N	Site Name: Woodfield Mill Site Address: Woodfield Mill, 2, Tile Street, Bury, Lancashire, BL9 5BR Correspondence Address: -	Type of Site: Metal Recycling Site (mixed MRS's) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: RMS014 EPR reference: EA/EPR/GB3032RG/T001 Operator: Recycle Motor Spares Ltd Waste Management licence No: 53469 Annual Tonnage: 4999	Issue Date: 20/09/1996 Effective Date: 22/03/2012 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred
B	380m N	Site Name: Recycling Lives Bury Site Address: Birch Street, Bury, Lancashire, BL9 5AL Correspondence Address: -	Type of Site: Metal Recycling Site (mixed MRS's) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: REC007 EPR reference: EA/EPR/FB3802GK/A001 Operator: Recycling Lives Limited Waste Management licence No: 404508 Annual Tonnage: 7000	Issue Date: 21/05/2018 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued



ID	Location	Details		
A	386m NW	Site Name: Gate 2 Site Address: Gate 2, Tile Street, Bury, Lancashire, BL9 5BR Correspondence Address: -	Type of Site: 75kte HCI Waste TS + treatment Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: MSH002 EPR reference: EA/EPR/HB3338AT/A001 Operator: M60 Skip Hire Ltd Waste Management licence No: 104296 Annual Tonnage: 74999	Issue Date: 15/08/2012 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
A	386m NW	Site Name: Gate 2 Site Address: Gate 2, Tile Street, Bury, Lancashire, BL9 5BR Correspondence Address: -	Type of Site: 75kte HCI Waste TS + treatment Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: MSH002 EPR reference: EA/EPR/HB3338AT/A001 Operator: M60 Skip Hire Ltd Waste Management licence No: 104296 Annual Tonnage: 74999	Issue Date: 15/08/2012 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
A	408m N	Site Name: R M S Metal Recycling Site Address: Woodfield Mill, 2, Tile Street, Bury, Lancashire, BL9 5BR Correspondence Address: -	Type of Site: Metal Recycling Site (mixed MRS's) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: RMS001 EPR reference: EA/EPR/KP3392CC/A001 Operator: R & M Stansfield Enterprises Ltd Waste Management licence No: 53469 Annual Tonnage: 325	Issue Date: 20/09/1996 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued



ID	Location	Details		
A	408m NW	Site Name: A1 4x4 Breakers Site Address: Gate 3, Tile St, Bury, Lancashire, BL9 5BR Correspondence Address: -	Type of Site: 75kte Vehicle Depollution Facility Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: LAY006 EPR reference: EA/EPR/MP3691ED/A001 Operator: Laycock Christopher Waste Management licence No: 101963 Annual Tonnage: 74999	Issue Date: 28/09/2010 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
A	408m NW	Site Name: A1 4x4 Breakers Site Address: Gate 3, Tile St, Bury, Lancashire, BL9 5BR Correspondence Address: -	Type of Site: 75kte Vehicle Depollution Facility Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: LAY006 EPR reference: EA/EPR/MP3691ED/A001 Operator: Laycock Christopher Waste Management licence No: 101963 Annual Tonnage: 74999	Issue Date: 28/09/2010 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
D	431m E	Site Name: Mr Skip & Grab Hire Site Address: York Street Recycling Centre, York Street, Bury, Lancashire, BL9 7AR Correspondence Address: -	Type of Site: 75kte HCI Waste TS + treatment Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: SKI039 EPR reference: EA/EPR/NP3994VS/V002 Operator: Mr Richard Roberts & Mr Ian Marshall Waste Management licence No: 102063 Annual Tonnage: 74999	Issue Date: 21/10/2010 Effective Date: - Modified: 07/03/2011 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified



ID	Location	Details		
D	431m E	Site Name: Mr Skip & Grab Hire Site Address: York Street Recycling Centre, York Street, Bury, Lancashire, BL9 7AR Correspondence Address: -	Type of Site: 75kte HCI Waste TS + treatment Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: SKI039 EPR reference: EA/EPR/NP3994VS/V002 Operator: Mr Richard Roberts & Mr Ian Marshall Waste Management licence No: 102063 Annual Tonnage: 74999	Issue Date: 21/10/2010 Effective Date: - Modified: 07/03/2011 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
D	433m E	Site Name: York Street Transfer Station Site Address: York Street Mill, York Street, Bury, Lancashire, BL9 7AR Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: SBL001 EPR reference: EA/EPR/BP3891CF/V002 Operator: Swinnerton Bros Ltd Waste Management licence No: 53921 Annual Tonnage: 2083	Issue Date: 22/09/1983 Effective Date: - Modified: 17/05/2002 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Revoked
D	433m E	Site Name: York Street Transfer Station Site Address: York Street Mill, York Street, Bury, Lancashire, BL9 7AR Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: SBL001 EPR reference: EA/EPR/BP3891CF/V002 Operator: Swinnerton Bros Ltd Waste Management licence No: 53921 Annual Tonnage: 2083.333	Issue Date: 22/09/1983 Effective Date: - Modified: 17/05/2002 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Revoked



ID	Location	Details		
6	469m N	Site Name: Fernhill Works Site Address: Fernhill Works, Park Road, Fernhill, Bury, Lancashire, BL9 5BQ Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: BUR106 EPR reference: EA/EPR/JP3193VM/T001 Operator: Bury Skip Hire Ltd Waste Management licence No: 50053 Annual Tonnage: 24999	Issue Date: 28/09/2001 Effective Date: 08/10/2010 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred
D	485m E	Site Name: Bury Skip Hire Ltd Site Address: Land / Premises At, Manor Street, Bury, Lancs, BL9 7BL Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: BSH001 EPR reference: ZP3298EE/A001 Operator: Bury Skip Hire Ltd Waste Management licence No: 100427 Annual Tonnage: 0	Issue Date: 29/09/2008 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
F	493m NW	Site Name: M & A Skip Hire Site Address: Gate 2, Tile Street, Bury, Lancashire, BL9 5BR Correspondence Address: -	Type of Site: 75kte HCI Waste TS + treatment Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: MAS046 EPR reference: EA/EPR/LP3991EB/V002 Operator: M & A Skip Hire Limited Waste Management licence No: 101913 Annual Tonnage: 74999	Issue Date: 26/01/2011 Effective Date: - Modified: 11/04/2012 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified



ID	Location	Details		
F	493m NW	Site Name: M & A Skip Hire Ltd Site Address: Gate 2, Tile Street, Bury, Lancashire, BL9 5BR Correspondence Address: -	Type of Site: 75kte HCI Waste TS + treatment Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: MAS046 EPR reference: EA/EPR/LP3991EB/V002 Operator: M & A Skip Hire Ltd Waste Management licence No: 101913 Annual Tonnage: 74999	Issue Date: 26/01/2011 Effective Date: - Modified: 11/04/2012 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Revoked
F	493m NW	Site Name: M & A Skip Hire Ltd Site Address: Gate 2, Tile Street, Bury, Lancashire, BL9 5BR Correspondence Address: -	Type of Site: 75kte HCI Waste TS + treatment Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: MAS046 EPR reference: EA/EPR/LP3991EB/V002 Operator: M & A Skip Hire Ltd Waste Management licence No: 101913 Annual Tonnage: 74999	Issue Date: 26/01/2011 Effective Date: - Modified: 11/04/2012 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Revoked

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

3.7 Waste exemptions

Records within 500m	26
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Activities involving the storage, treatment, use or disposal of waste that are exempt from needing a permit. Exemptions have specific limits and conditions that must be adhered to.

Features are displayed on the Waste and landfill map on **page 44**

ID	Location	Site	Reference	Category	Sub-Category	Description
1	25m NE	-	WEX269740	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
2	69m N	Paradise Mill John Street Bury Lancashire BL9 0NH	EPR/RH0916JR /A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of waste in a secure place
C	360m NE	46, WALMERSLEY ROAD, BURY, BL9 6DP	WEX224400	Storing waste exemption	Not on a farm	Storage of waste in secure containers



ID	Location	Site	Reference	Category	Sub-Category	Description
C	360m NE	46, WALMERSLEY ROAD, BURY, BL9 6DP	WEX073916	Storing waste exemption	Not on a farm	Storage of waste in secure containers
B	374m N	The Scrap Yard Birch Street BURY Lancashire BL9 5AL	EPR/TF0332JQ /A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of waste in a secure place
B	374m N	The Scrap Yard Birch Street BURY Lancashire BL9 5AL	EPR/TF0332JQ /A001	Treating waste exemption	Non-Agricultural Waste Only	Recovery of scrap metal
A	406m N	M60 Skip Hire, Gate 2 Tile Street, Bury, BL9 5BR	WEX136010	Disposing of waste exemption	Not on a farm	Burning waste in the open
A	406m N	M60 Skip Hire, Gate 2 Tile Street, Bury, BL9 5BR	WEX136010	Storing waste exemption	Not on a farm	Storage of waste in a secure place
A	406m N	M60 Skip Hire, Gate 2 Tile Street, Bury, BL9 5BR	WEX136010	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
A	406m N	M60 Skip Hire, Gate 2 Tile Street, Bury, BL9 5BR	WEX136010	Treating waste exemption	Not on a farm	Screening and blending of waste
A	406m N	M60 Skip Hire, Gate 2 Tile Street, Bury, BL9 5BR	WEX136010	Treating waste exemption	Not on a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
A	406m N	M60 Skip Hire, Gate 2 Tile Street, Bury, BL9 5BR	WEX136010	Using waste exemption	Not on a farm	Use of waste in construction
A	412m N	Gate 2 Tile Street BURY Lancashire BL9 5BR	EPR/RF0201TP /A001	Disposing of waste exemption	Both agricultural and non-agricultural waste	Burning waste in the open
A	412m N	Gate 2 Tile Street BURY Lancashire BL9 5BR	EPR/RF0201TP /A001	Storing waste exemption	Both agricultural and non-agricultural waste	Storage of waste in a secure place
A	412m N	Gate 2 Tile Street BURY Lancashire BL9 5BR	EPR/RF0201TP /A001	Treating waste exemption	Both agricultural and non-agricultural waste	Preparatory treatments (baling, sorting, shredding etc)

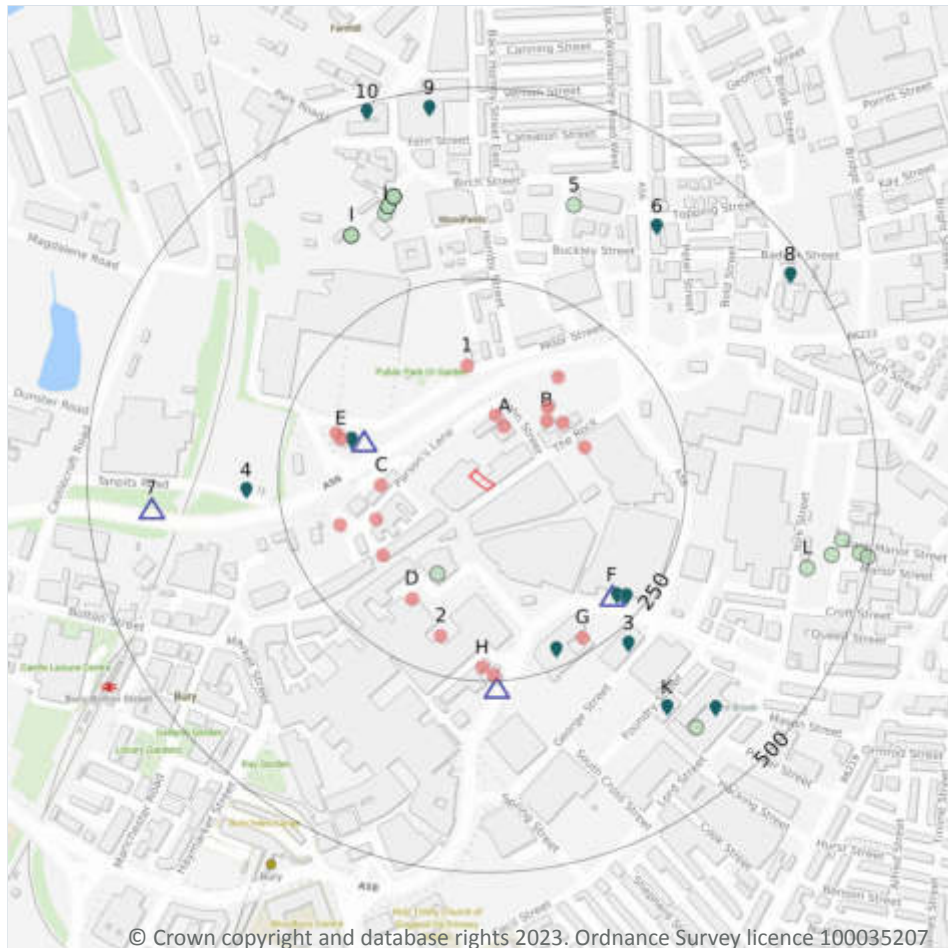


ID	Location	Site	Reference	Category	Sub-Category	Description
A	412m N	Gate 2 Tile Street BURY Lancashire BL9 5BR	EPR/RF0201TP /A001	Treating waste exemption	Both agricultural and non-agricultural waste	Screening and blending of waste
A	412m N	Gate 2 Tile Street BURY Lancashire BL9 5BR	EPR/RF0201TP /A001	Treating waste exemption	Both agricultural and non-agricultural waste	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
A	412m N	Gate 2 Tile Street BURY Lancashire BL9 5BR	EPR/RF0201TP /A001	Using waste exemption	Both agricultural and non-agricultural waste	Use of waste in construction
E	427m S	14 Princess Parade BURY Lancashire BL9 0QL	EPR/YF0903HZ /A001	Treating waste exemption	Non-Agricultural Waste Only	Sorting and de-naturing of controlled drugs for disposal
E	427m S	14 Princess Parade BURY Lancashire BL9 0QL	EPR/QH0670U W/A001	Treating waste exemption	Non-Agricultural Waste Only	Sorting and de-naturing of controlled drugs for disposal
D	449m SE	YORK STREET MILL, UNIT 4, YORK STREET, BURY, BL9 7AR	WEX093188	Treating waste exemption	Not on a farm	Manual treatment of waste
D	469m E	The Tyre Yard, Fountain Street North, Bury, BL9 7AN	WEX237959	Treating waste exemption	Not on a farm	Mechanical treatment of end-of-life tyres
D	474m E	the tyre yard, the tyre yard, fountain street north, bury, BL9 7an	WEX108300	Storing waste exemption	Not on a farm	Storage of waste in secure containers
D	474m E	the tyre yard, the tyre yard, fountain street north, bury, BL9 7an	WEX108300	Storing waste exemption	Not on a farm	Storage of waste in a secure place
D	474m E	the tyre yard, the tyre yard, fountain street north, bury, BL9 7an	WEX108300	Treating waste exemption	Not on a farm	Mechanical treatment of end-of-life tyres
D	474m E	the tyre yard, the tyre yard, fountain street north, bury, BL9 7an	WEX108300	Using waste exemption	Not on a farm	Use of depolluted end-of-life vehicles for vehicle parts

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
- Licensed pollutant release (Part A(2)/B)
- 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 58**

ID	Location	Company	Address	Activity	Category
A	68m NE	Kwik-Fit (GB) Limited	John Street, Bury, Greater Manchester, BL9 0NH	Vehicle Repair, Testing and Servicing	Repair and Servicing
A	77m N	ATS Euromaster Ltd	John Street, Bury, Greater Manchester, BL9 0NH	Vehicle Parts and Accessories	Motoring



ID	Location	Company	Address	Activity	Category
B	108m NE	Works	Greater Manchester, BL9	Unspecified Works Or Factories	Industrial Features
C	116m W	Bury Bed & Pine Centre	21, Parsons Lane, Bury, Greater Manchester, BL9 0LY	Beds and Bedding	Consumer Products
B	121m NE	B & H Electronics	1-5 Stanley Court, The Rock, Bury, Greater Manchester, BL9 0NE	Vehicle Parts and Accessories	Motoring
B	122m NE	Travelling Crane	Greater Manchester, BL9	Travelling Cranes and Gantries	Industrial Features
B	128m E	My House Clearance Bury	Apartment 76, 16, St Johns Gardens, Bury, Greater Manchester, BL9 0NP	Clearance and Salvage Dealers	Recycling Services
C	135m W	Electricity Sub Station	Greater Manchester, BL9	Electrical Features	Infrastructure and Facilities
1	137m N	ATC Hut	Greater Manchester, BL9	Armed Services	Central and Local Government
C	153m SW	Wilkinson Cameras Ltd	61, The Rock, Bury, Greater Manchester, BL9 0NB	Photographic and Optical Equipment	Household, Office, Leisure and Garden
B	163m NE	Electricity Sub Station	Greater Manchester, BL9	Electrical Features	Infrastructure and Facilities
D	173m SW	Electricity Sub Station	Greater Manchester, BL9	Electrical Features	Infrastructure and Facilities
E	175m W	Tesco Bury	Peel Way, Woodfield Retail Park, Bury, Greater Manchester, BL9 5BY	Petrol and Fuel Stations	Road and Rail
C	181m W	Electricity Sub Station	Greater Manchester, BL9	Electrical Features	Infrastructure and Facilities
E	183m W	Tesco Bury	Peel Way, Woodfield Retail Park, Bury, Greater Manchester, BL9 5BY	Vehicle Cleaning Services	Personal, Consumer and Other Services
2	200m S	Electricity Sub Station	Greater Manchester, BL9	Electrical Features	Infrastructure and Facilities
G	230m SE	Electricity Sub Station	Greater Manchester, BL9	Electrical Features	Infrastructure and Facilities
H	232m S	Bury Shopmobility	34, Minden Parade, Bury, Greater Manchester, BL9 0QG	Disability and Mobility Equipment	Consumer Products
H	242m S	Aqua Alphas Hand Car Wash	3, Angouleme Way, Town Centre, Bury, Greater Manchester, BL9 0BZ	Vehicle Cleaning Services	Personal, Consumer and Other Services

This data is sourced from Ordnance Survey.



4.2 Current or recent petrol stations

Records within 500m

4

Open, closed, under development and obsolete petrol stations.

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

ID	Location	Company	Address	LPG	Status
E	146m W	TESCO	Peel Way, Woodfield Retail Park, Bury, Greater Manchester, BL9 5BY	No	Open
F	210m SE	SHELL	Rochdale Road, Derby Street, Bury, Greater Manchester, BL9 7AX	Not Applicable	Obsolete
H	259m S	SAVE	Angouleme Way, Bury, Greater Manchester, BL9 0BZ	Not Applicable	Obsolete
7	418m W	OBSOLETE	Castlecroft Road, Bury, Greater Manchester, BL9 0LN	Not Applicable	Obsolete

This data is sourced from Experian.

4.3 Electricity cables

Records within 500m

0

High voltage underground electricity transmission cables.

This data is sourced from National Grid.

4.4 Gas pipelines

Records within 500m

0

High pressure underground gas transmission pipelines.

This data is sourced from National Grid.

4.5 Sites determined as Contaminated Land

Records within 500m

0

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

This data is sourced from Local Authority records.



4.6 Control of Major Accident Hazards (COMAH)

Records within 500m

0

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

This data is sourced from the Health and Safety Executive.

4.7 Regulated explosive sites

Records within 500m

0

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

This data is sourced from the Health and Safety Executive.

4.8 Hazardous substance storage/usage

Records within 500m

0

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

This data is sourced from Local Authority records.

4.9 Historical licensed industrial activities (IPC)

Records within 500m

0

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

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

4.10 Licensed industrial activities (Part A(1))

Records within 500m

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

12

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

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

ID	Location	Address	Details	
E	162m W	Tesco Stores Ltd., Peel Way, Bury, BL9 5BY	Process: Unloading of Petrol into Storage at Service Stations Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
F	214m SE	Rock Service Station (Shell), Bury Rock, Rochdale Road, Bury, BL9 7AX	Process: Petrol Vapour Recovery Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
F	225m SE	Rock Service Station (Shell), Bury Rock, Rochdale Road, Bury, BL9 7AX	Process: Unloading of Petrol into Storage at Service Stations Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
G	227m SE	Save, Angeleume Road, BL9 0BZ	Process: Petrol Vapour Recovery Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
3	271m SE	H & J Quick Ltd, Derby Street, BL9 0NW	Process: Respraying of Road Vehicles Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
4	292m W	Beldam Asbestos Co Ltd, Lascar Wks, Tan Pits Lane, BL9 0LX	Process: Asbestos Processes Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
K	368m SE	Wallwork Heat Treatment Ltd, Lord Street, Bury, BL9 0RE	Process: Waste Oil Burner 0.4 MW Status: New Legislation Applies Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified



ID	Location	Address	Details	
6	396m NE	Geldards Dry Cleaners, 60 Walmersley Road, Bury, BL9 6DP	Process: Dry Cleaning Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
K	411m SE	Wallwork Heat Treatment Ltd, Rochdale Road, Bury, BL9 0QH	Process: Non-ferrous Metal Foundry Processes Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
8	473m NE	Moorside Garage, Brook Street, BL9 6AH	Process: Petrol Vapour Recovery Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
9	476m N	P&S Textiles Ltd, Hornby Street, Bury, BL9 5BL	Process: Coating Processes Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
10	488m N	A1 Independent British 4x4 Specialists Limited, Unit 4, Fernhill Street, Bury, BL9 5BG	Process: Waste Oil Burner 0.4 MW Status: New Legislation Applies Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified

This data is sourced from Local Authority records.

4.12 Radioactive Substance Authorisations

Records within 500m	0
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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	0
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Discharges of treated or untreated effluent to controlled waters under the Water Resources Act 1991.

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



4.14 Pollutant release to surface waters (Red List)

Records within 500m**0**

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

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

4.15 Pollutant release to public sewer

Records within 500m**0**

Discharges of Special Category Effluents to the public sewer.

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

4.16 List 1 Dangerous Substances

Records within 500m**0**

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

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

4.17 List 2 Dangerous Substances

Records within 500m**0**

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

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

4.18 Pollution Incidents (EA/NRW)

Records within 500m**21**

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

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

ID	Location	Details	
D	127m SW	Incident Date: 20/08/2001 Incident Identification: 48060 Pollutant: Oils and Fuel Pollutant Description: Gas and Fuel Oils	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
I	347m NW	Incident Date: 07/07/2002 Incident Identification: 89789 Pollutant: Specific Waste Materials:Oils and Fuel Pollutant Description: Vehicles and Vehicle Parts:Mixed/Waste Oils	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
I	347m NW	Incident Date: 07/07/2002 Incident Identification: 89789 Pollutant: Specific Waste Materials Pollutant Description: Vehicles and Vehicle Parts	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
I	347m NW	Incident Date: 07/07/2002 Incident Identification: 89789 Pollutant: Oils and Fuel Pollutant Description: Mixed/Waste Oils	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
J	355m N	Incident Date: 04/07/2002 Incident Identification: 89253 Pollutant: Specific Waste Materials Pollutant Description: Household Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
J	363m N	Incident Date: 15/06/2001 Incident Identification: 9486 Pollutant: Inert Materials and Wastes Pollutant Description: Construction and Demolition Materials and Wastes	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
J	363m N	Incident Date: 15/06/2001 Incident Identification: 9486 Pollutant: Specific Waste Materials Pollutant Description: Household Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
J	363m N	Incident Date: 15/06/2001 Incident Identification: 9486 Pollutant: Inert Materials and Wastes:Specific Waste Materials Pollutant Description: Construction and Demolition Materials and Wastes:Household Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
5	369m N	Incident Date: 05/03/2001 Incident Identification: 24 Pollutant: Oils and Fuel Pollutant Description: Diesel	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)



ID	Location	Details	
J	372m N	Incident Date: 09/05/2001 Incident Identification: 4989 Pollutant: Inert Materials and Wastes:Specific Waste Materials:Specific Waste Materials:Specific Waste Materials Pollutant Description: Construction and Demolition Materials and Wastes:Asbestos:Commercial Waste:Household Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
J	372m N	Incident Date: 09/05/2001 Incident Identification: 4989 Pollutant: Inert Materials and Wastes Pollutant Description: Construction and Demolition Materials and Wastes	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
J	372m N	Incident Date: 09/05/2001 Incident Identification: 4989 Pollutant: Specific Waste Materials Pollutant Description: Asbestos	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
J	372m N	Incident Date: 25/07/2003 Incident Identification: 176669 Pollutant: Inert Materials and Wastes Pollutant Description: Construction and Demolition Materials and Wastes	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
J	372m N	Incident Date: 09/05/2001 Incident Identification: 4989 Pollutant: Specific Waste Materials Pollutant Description: Household Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
J	372m N	Incident Date: 09/05/2001 Incident Identification: 4989 Pollutant: Specific Waste Materials Pollutant Description: Commercial Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
K	412m SE	Incident Date: 02/01/2002 Incident Identification: 53178 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Landfill Odour	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
L	423m E	Incident Date: 14/03/2002 Incident Identification: 63990 Pollutant: Specific Waste Materials Pollutant Description: Commercial Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
L	450m E	Incident Date: 01/08/2002 Incident Identification: 96983 Pollutant: Specific Waste Materials Pollutant Description: Containers	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)



ID	Location	Details	
L	459m E	Incident Date: 09/10/2001 Incident Identification: 35564 Pollutant: Specific Waste Materials Pollutant Description: Tyres	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
L	486m E	Incident Date: 05/06/2003 Incident Identification: 163679 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Smoke	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
L	497m E	Incident Date: 05/06/2003 Incident Identification: 163681 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Smoke	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)

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.



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

Records within 500m	3
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Features are displayed on the Hydrogeology map on **page 68**

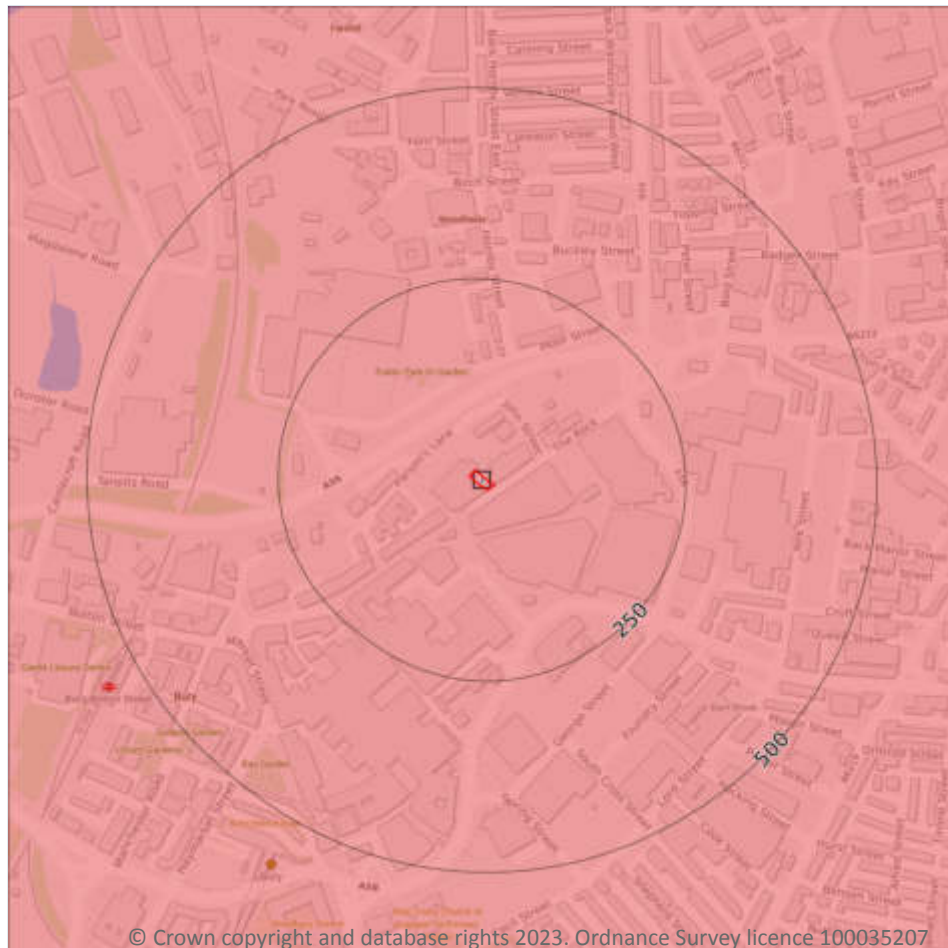
ID	Location	Designation	Description
1	On site	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type
2	128m S	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

ID	Location	Designation	Description
3	170m NW	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.



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.

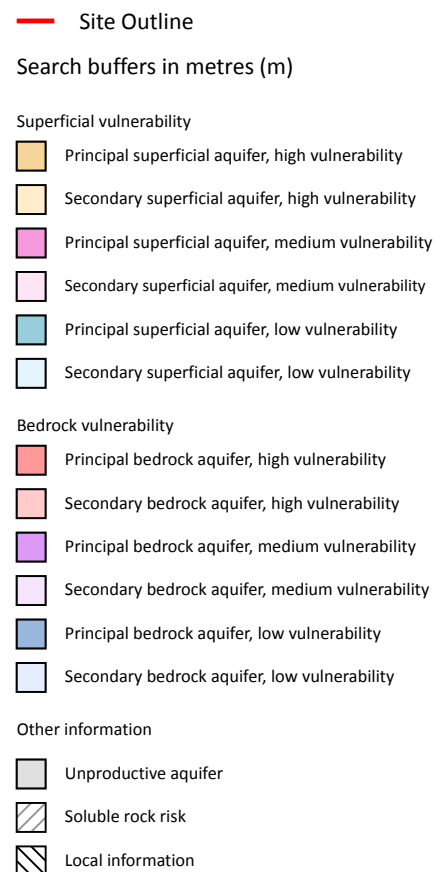
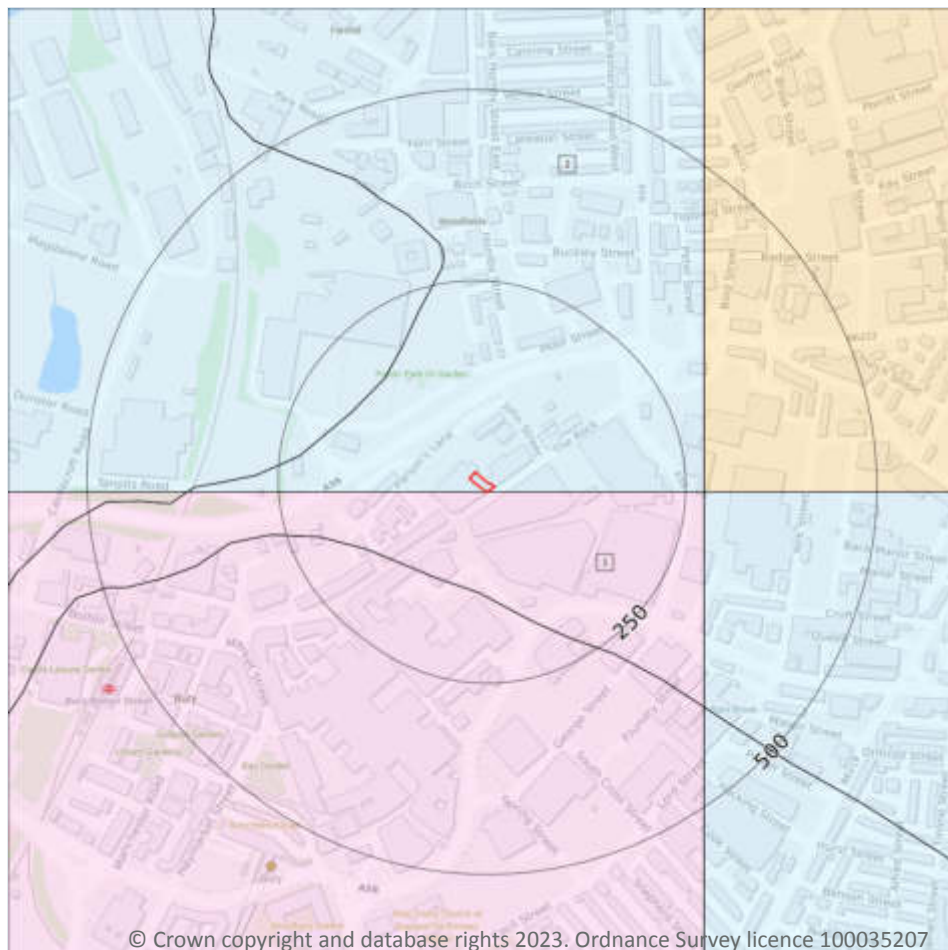
Features are displayed on the Bedrock aquifer map on **page 70**

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

2

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

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

Features are displayed on the Groundwater vulnerability map on **page 71**

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	On site	Summary Classification: Secondary superficial aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: High Infiltration value: <40% Dilution value: >550mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: 3-10m Patchiness value: >90% Recharge potential: High	Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures
2	On site	Summary Classification: Secondary superficial aquifer - Low Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: <40% Dilution value: >550mm/year	Vulnerability: Low Aquifer type: Secondary Thickness: 3-10m Patchiness value: >90% Recharge potential: Medium	Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures

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

5.4 Groundwater vulnerability- soluble rock risk

Records on site	0
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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
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This dataset identifies areas where additional local information affecting vulnerability is held by the Environment Agency. Further information can be obtained by contacting the Environment Agency local Area groundwater team through the Environment Agency National Customer Call Centre on 03798 506 506 or by email on enquiries@environment-agency.gov.uk.

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

Abstractions and Source Protection Zones



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

5.6 Groundwater abstractions

Records within 2000m

9

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 73**

ID	Location	Details	
-	1563m SE	Status: Historical Licence No: 2569002085 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: "WELL AT WATERFOLD FARM, HEAP BRIDGE, NEAR BURY" Data Type: Point Name: WILKINSON Easting: 382000 Northing: 410100	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 15/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 15/02/1966 Version End Date: -
-	1563m SE	Status: Historical Licence No: 2569002085 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: WELL AT WATERFOLD FARM, HEAP BRIDGE, NEAR BURY Data Type: Point Name: WILKINSON Easting: 382000 Northing: 410100	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 15/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 15/02/1966 Version End Date: -
-	1691m SE	Status: Historical Licence No: 2569002063 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: "WELL AT WATER FARM, HEAP BRIDGE, BURY" Data Type: Point Name: FISH Easting: 381800 Northing: 409700	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 14/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 14/02/1966 Version End Date: -
-	1691m SE	Status: Historical Licence No: 2569002063 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: WELL AT WATER FARM, HEAP BRIDGE, BURY Data Type: Point Name: FISH Easting: 381800 Northing: 409700	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 14/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 14/02/1966 Version End Date: -



ID	Location	Details	
-	1768m SE	Status: Historical Licence No: 2569002059 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: "WELL AT SPOUT BANK FARM, HEAP BRIDGEBURY, LANCASHIRE" Data Type: Point Name: FISH Easting: 382300 Northing: 410200	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 15/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 15/02/1966 Version End Date: -
-	1768m SE	Status: Historical Licence No: 2569002059 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: WELL AT SPOUT BANK FARM, HEAP BRIDGEBURY, LANCASHIRE Data Type: Point Name: FISH Easting: 382300 Northing: 410200	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 15/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 15/02/1966 Version End Date: -
-	1957m NW	Status: Historical Licence No: 2569001017 Details: Process water Direct Source: Ground Water - North West Region Point: "BOREHOLE AT PREMISES,OLIVES PAPERMILLS, BURY" Data Type: Point Name: ACTIVECRAFT LTD PAPERMAKERS Easting: 379000 Northing: 412000	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 15/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 16/06/1995 Version End Date: -
-	1957m NW	Status: Historical Licence No: 2569001017 Details: Process water Direct Source: Ground Water - North West Region Point: BOREHOLE AT PREMISES,OLIVES PAPERMILLS, BURY Data Type: Point Name: ACTIVECRAFT LTD PAPERMAKERS Easting: 379000 Northing: 412000	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 15/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 16/06/1995 Version End Date: -

ID	Location	Details	
-	1957m NW	Status: Historical Licence No: 2569001017 Details: Process Water Direct Source: Ground Water - North West Region Point: BOREHOLE AT PREMISES, OLIVES PAPERMILLS, BURY Data Type: Point Name: ACTIVECRAFT LTD PAPERMAKERS Easting: 379000 Northing: 412000	Annual Volume (m ³): 154564 Max Daily Volume (m ³): 1591.1 Original Application No: - Original Start Date: 15/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 16/06/1995 Version End Date: -

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

5.7 Surface water abstractions

Records within 2000m

14

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 73**

ID	Location	Details	
-	782m NW	Status: Historical Licence No: NW/069/0001/007 Details: Hydroelectric Power Generation Direct Source: Surface, Non-Tidal - North West Region Point: RIVER IRWELL AT CHAMBER HALL WEIR Data Type: Point Name: Bury Council Easting: 380014 Northing: 411406	Annual Volume (m ³): 90,000,000 Max Daily Volume (m ³): 340,416 Original Application No: - Original Start Date: 10/06/2016 Expiry Date: 31/03/2027 Issue No: 1 Version Start Date: 10/06/2016 Version End Date: -
-	1038m W	Status: Historical Licence No: 2569001285 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: Surface, Non-Tidal - North West Region Point: RIVER IRWELL AT RMC NORTHERNT BURY CANAL WHARF Data Type: Point Name: CEMEX UK MATERIALS LTD Easting: 379706 Northing: 410696	Annual Volume (m ³): 5500 Max Daily Volume (m ³): 21 Original Application No: - Original Start Date: 23/03/2005 Expiry Date: 31/03/2015 Issue No: 2 Version Start Date: 01/04/2008 Version End Date: -



ID	Location	Details	
-	1038m W	Status: Historical Licence No: 2569001285R01 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: Surface, Non-Tidal - North West Region Point: RIVER IRWELL AT RMC NORTHERNT BURY CANAL WHARF Data Type: Point Name: CEMEX UK MATERIALS LTD Easting: 379706 Northing: 410696	Annual Volume (m ³): 5,500 Max Daily Volume (m ³): 21 Original Application No: - Original Start Date: 01/04/2015 Expiry Date: 31/03/2027 Issue No: 2 Version Start Date: 21/12/2018 Version End Date: -
-	1287m W	Status: Historical Licence No: 2569001170 Details: Process water Direct Source: Surface, Non-Tidal - North West Region Point: KIRKLEES BRK AT WOOLFOLD, BURY93 Data Type: Line Name: ACTIVECRAFT LTD PAPERMAKERS Easting: 378700 Northing: 412500	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 23/03/1966 Expiry Date: - Issue No: 100 Version Start Date: 16/06/1995 Version End Date: -
-	1287m W	Status: Historical Licence No: 2569001170 Details: Process water Direct Source: "Surface, Non-Tidal - North West Region" Point: "KIRKLEES BRK AT WOOLFOLD, BURY \$93" Data Type: Line Name: ACTIVECRAFT LTD PAPERMAKERS Easting: 378700 Northing: 412500	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 23/03/1966 Expiry Date: - Issue No: 100 Version Start Date: 16/06/1995 Version End Date: -
-	1287m W	Status: Historical Licence No: 2569001170 Details: Process water Direct Source: Surface, Non-Tidal - North West Region Point: KIRKLEES BRK AT WOOLFOLD, BURY \$93 Data Type: Line Name: ACTIVECRAFT LTD PAPERMAKERS Easting: 378700 Northing: 412500	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 23/03/1966 Expiry Date: - Issue No: 100 Version Start Date: 16/06/1995 Version End Date: -
-	1287m W	Status: Historical Licence No: 2569001170 Details: Process Water Direct Source: Surface, Non-Tidal - North West Region Point: KIRKLEES BRK AT WOOLFOLD, BURY Data Type: Line Name: ACTIVECRAFT LTD PAPERMAKERS Easting: 378700 Northing: 412500	Annual Volume (m ³): 850102 Max Daily Volume (m ³): 3182.2 Original Application No: - Original Start Date: 23/03/1966 Expiry Date: - Issue No: 100 Version Start Date: 16/06/1995 Version End Date: -

ID	Location	Details	
-	1392m N	Status: Historical Licence No: 2569001289 Details: Lake & Pond Throughflow Direct Source: Surface, Non-Tidal - North West Region Point: TRIBUTARY OF THE RIVER IRWELL, AT CLARENCE PARK LIDO Data Type: Point Name: BURY METROPOLITAN BOROUGH COUNCIL Easting: 381211 Northing: 412322	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 22/12/2008 Expiry Date: 31/03/2015 Issue No: 1 Version Start Date: 22/12/2008 Version End Date: -
-	1392m N	Status: Active Licence No: 2569001289R01 Details: Lake & Pond Throughflow Direct Source: Surface, Non-Tidal - North West Region Point: TRIBUTARY OF THE RIVER IRWELL, AT CLARENCE PARK LIDO Data Type: Point Name: BURY METROPOLITAN BOROUGH COUNCIL Easting: 381211 Northing: 412322	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: NPS/WR/017227 Original Start Date: 01/04/2015 Expiry Date: 31/03/2027 Issue No: 1 Version Start Date: 01/04/2015 Version End Date: -
-	1705m SW	Status: Historical Licence No: 2569001056 Details: Dust suppression Direct Source: "Surface, Non-Tidal - North West Region" Point: "THE RIVER IRWELL AT HINDS LANE, BURY" Data Type: Point Name: J B SKIPS & SERVICES LTD Easting: 379450 Northing: 409850	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 18/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/04/1997 Version End Date: -
-	1705m SW	Status: Historical Licence No: 2569001056 Details: Dust suppression Direct Source: Surface, Non-Tidal - North West Region Point: THE RIVER IRWELL AT HINDS LANE, BURY Data Type: Point Name: J B SKIPS & SERVICES LTD Easting: 379450 Northing: 409850	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 18/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/04/1997 Version End Date: -
-	1841m E	Status: Active Licence No: NW/069/0002/002 Details: Hydroelectric Power Generation Direct Source: Surface, Non-Tidal - North West Region Point: RIVER ROCH AT HEAP BRIDGE WEIR Data Type: Point Name: Brother Investments Ltd Easting: 382536 Northing: 410666	Annual Volume (m ³): 76,032,000 Max Daily Volume (m ³): 345,600 Original Application No: - Original Start Date: 17/09/2010 Expiry Date: 31/03/2026 Issue No: 2 Version Start Date: 18/09/2015 Version End Date: -



ID	Location	Details	
-	1893m W	Status: Historical Licence No: 2569001160 Details: Process water Direct Source: Surface, Non-Tidal - North West Region Point: RESERVOIRS FED BY ELTON BRK AT BURY [10 Data Type: Point Name: THE ELTON COP DYEING CO LTD Easting: 378800 Northing: 411000	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 10/03/1966 Expiry Date: - Issue No: 100 Version Start Date: 25/02/1975 Version End Date: -
-	1909m NW	Status: Historical Licence No: 2569001170 Details: Process Water Direct Source: Surface, Non-Tidal - North West Region Point: RESERVOIR FED BY KIRKLESS BROOK AND SURFACE DRAINAGE Data Type: Point Name: ACTIVECRAFT LTD PAPERMAKERS Easting: 379000 Northing: 411900	Annual Volume (m ³): 850102 Max Daily Volume (m ³): 3182.2 Original Application No: - Original Start Date: 23/03/1966 Expiry Date: - Issue No: 100 Version Start Date: 16/06/1995 Version End Date: -

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

5.8 Potable abstractions

Records within 2000m	0
-----------------------------	----------

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

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

5.9 Source Protection Zones

Records within 500m	0
----------------------------	----------

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

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



5.10 Source Protection Zones (confined aquifer)

Records within 500m

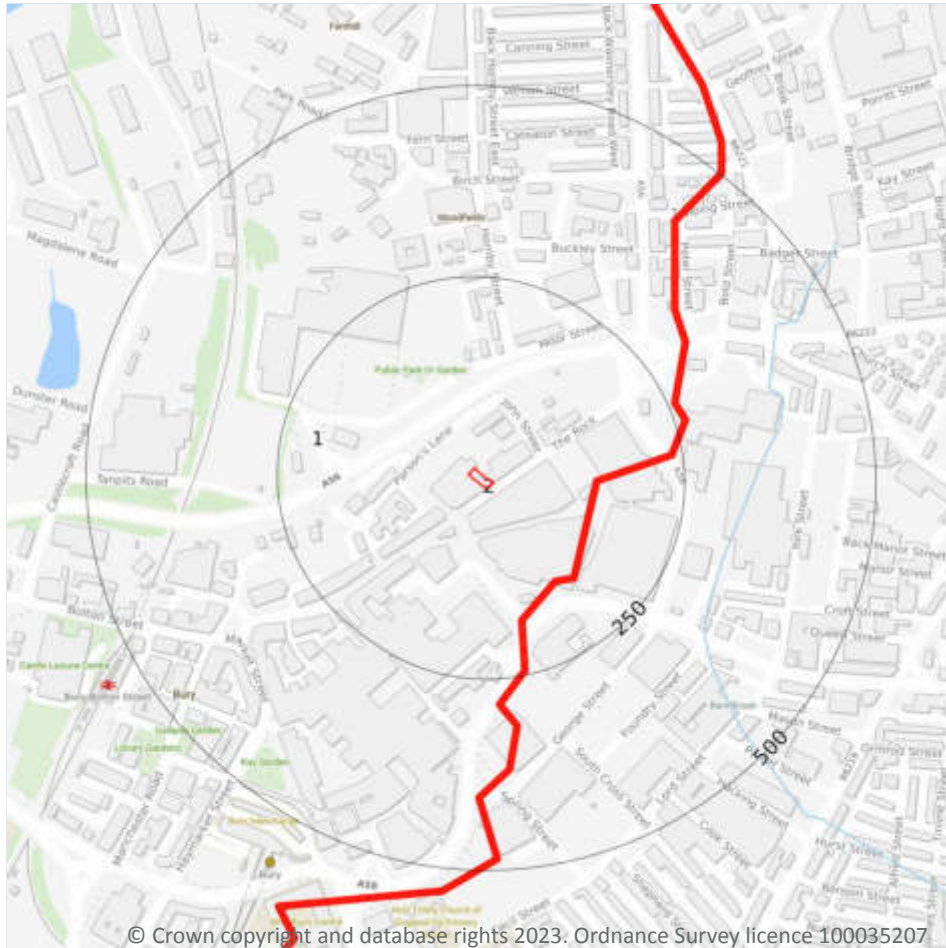
0

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

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



6 Hydrology



- Site Outline
- Search buffers in metres (m)
- Water Network (OS MasterMap)
- Surface water features (wider than 5m)
- Surface water features (narrower than 5m)
- ⋯ WFD River, canal and surface water transfer water bodies
- WFD Lake water bodies
- WFD Transitional and coastal water bodies
- WFD Surface water body catchments boundaries
- WFD Groundwater body boundaries

6.1 Water Network (OS MasterMap)

Records within 250m

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 81**

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
1	On site	River	Irwell (Rossendale STW to Roch)	GB112069064620	Croal Irwell	Irwell

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

6.4 WFD Surface water bodies

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

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

Features are displayed on the Hydrology map on **page 81**

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
-	746m W	River	Irwell (Rossendale STW to Roch)	GB112069064620	Moderate	Fail	Moderate	2019

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



6.5 WFD Groundwater bodies

Records on site

1

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

Features are displayed on the Hydrology map on **page 81**

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
2	On site	Northern Manchester Carboniferous Aquifers	<u>GB41202G101800</u>	Poor	Poor	Good	2019

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



7 River and coastal flooding

7.1 Risk of flooding from rivers and the sea

Records within 50m**0**

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

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

7.2 Historical Flood Events

Records within 250m**0**

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

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

7.3 Flood Defences

Records within 250m**0**

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

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



7.4 Areas Benefiting from Flood Defences

Records within 250m

0

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

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

7.5 Flood Storage Areas

Records within 250m

0

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

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

River and coastal flooding - Flood Zones

7.6 Flood Zone 2

Records within 50m

0

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

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

7.7 Flood Zone 3

Records within 50m

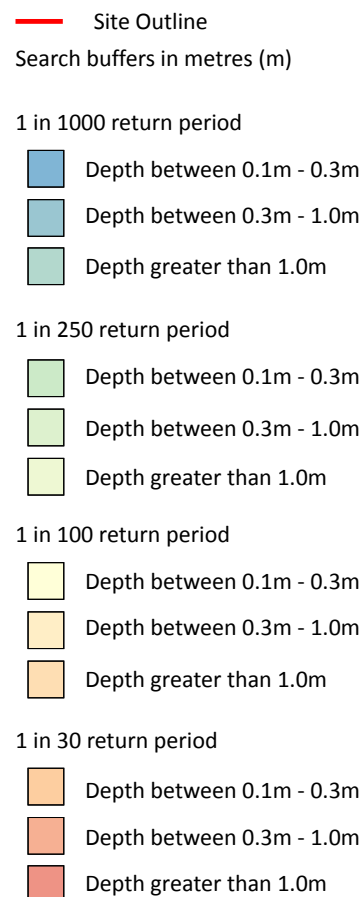
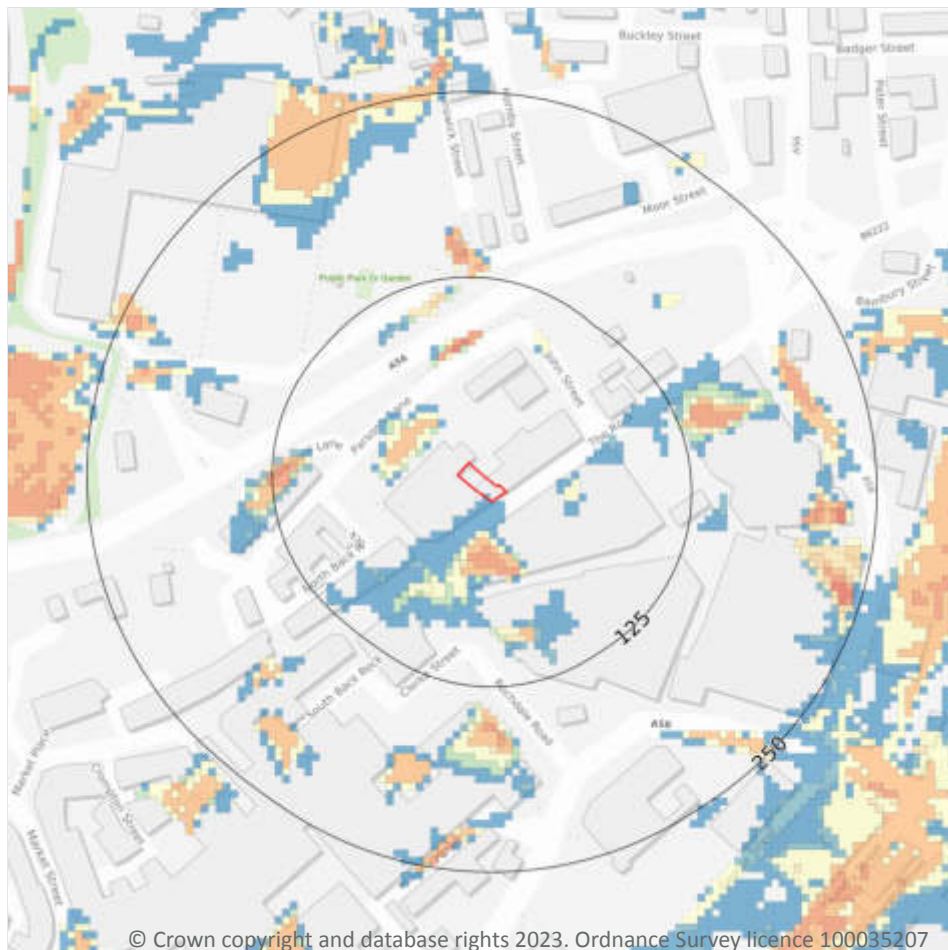
0

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

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



8 Surface water flooding



8.1 Surface water flooding

Highest risk on site

1 in 1000 year, 0.1m - 0.3m

Highest risk within 50m

1 in 30 year, 0.3m - 1.0m

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

Features are displayed on the Surface water flooding map on **page 87**

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

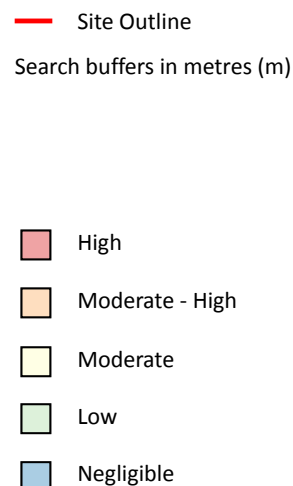
The table below shows the maximum flood depths for a range of return periods for the site.

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

This data is sourced from Ambiantal Risk Analytics.



9 Groundwater flooding



9.1 Groundwater flooding

Highest risk on site

Low

Highest risk within 50m

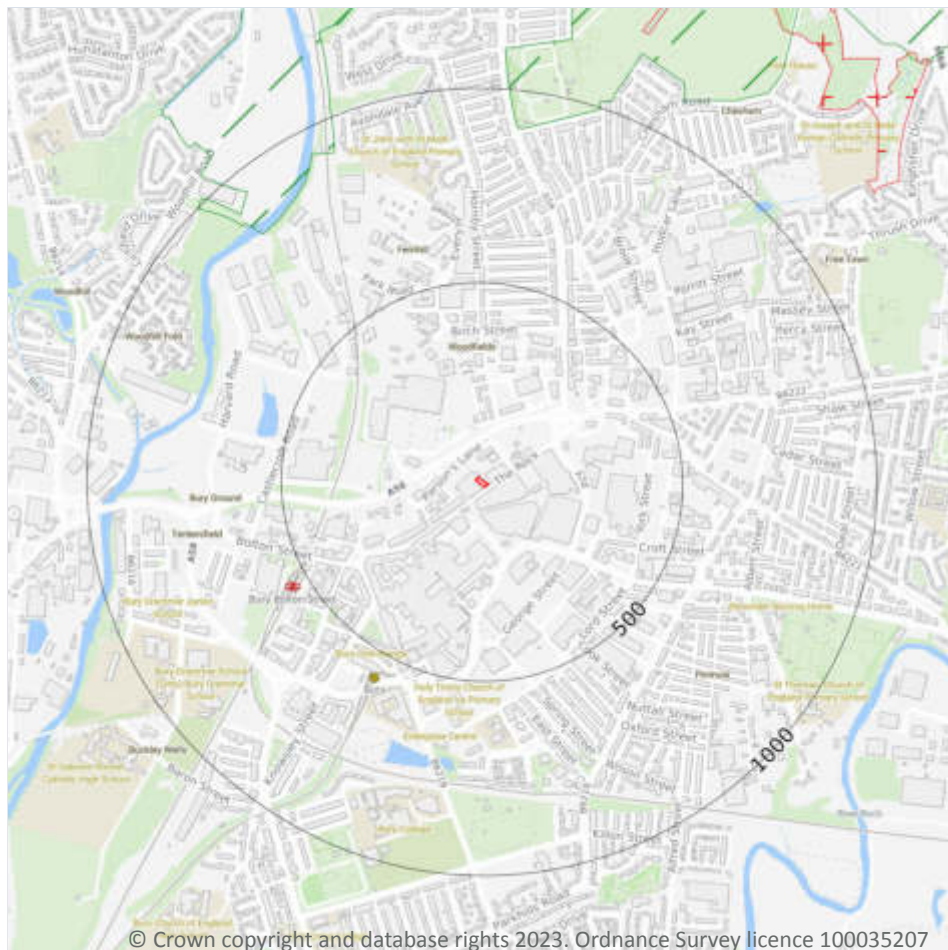
Low

Groundwater flooding is caused by unusually high groundwater levels. It occurs when the water table rises above the ground surface or within underground structures such as basements or cellars. Groundwater flooding tends to exhibit a longer duration than surface water flooding, possibly lasting for weeks or months, and as a result it can cause significant damage to property. This risk assessment is based on a 1 in 100 year return period and a 5m Digital Terrain Model (DTM).

Features are displayed on the Groundwater flooding map on **page 89**

This data is sourced from Ambiantal Risk Analytics.

10 Environmental designations



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

10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m

0

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

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

10.2 Conserved wetland sites (Ramsar sites)

Records within 2000m**0**

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

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

10.3 Special Areas of Conservation (SAC)

Records within 2000m**0**

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

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

10.4 Special Protection Areas (SPA)

Records within 2000m**0**

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

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

10.5 National Nature Reserves (NNR)

Records within 2000m**0**

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

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



10.6 Local Nature Reserves (LNR)

Records within 2000m

1

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

Features are displayed on the Environmental designations map on **page 90**

ID	Location	Name	Data source
2	1221m N	Chesham Woods	Natural England

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

10.7 Designated Ancient Woodland

Records within 2000m

0

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

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

10.8 Biosphere Reserves

Records within 2000m

0

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

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

10.9 Forest Parks

Records within 2000m

0

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

This data is sourced from the Forestry Commission.

10.10 Marine Conservation Zones

Records within 2000m

0

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

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

10.11 Green Belt

Records within 2000m

4

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

Features are displayed on the Environmental designations map on **page 90**

ID	Location	Name	Local Authority name
1	835m NW	Merseyside and Greater Manchester	Bury
-	1479m E	Merseyside and Greater Manchester	Bury
-	1480m E	Merseyside and Greater Manchester	Rochdale
-	1610m E	Merseyside and Greater Manchester	Bury

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

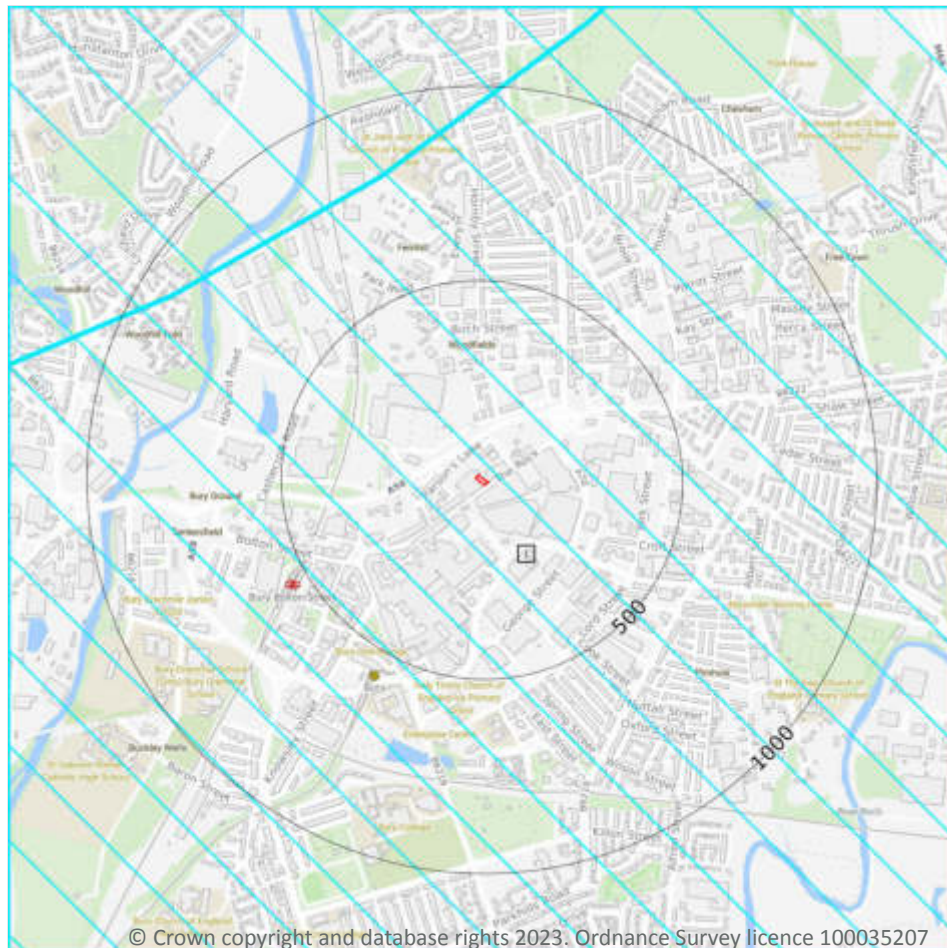
0

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 95**

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



This data is sourced from Natural England.

10.18 SSSI Units

Records within 2000m

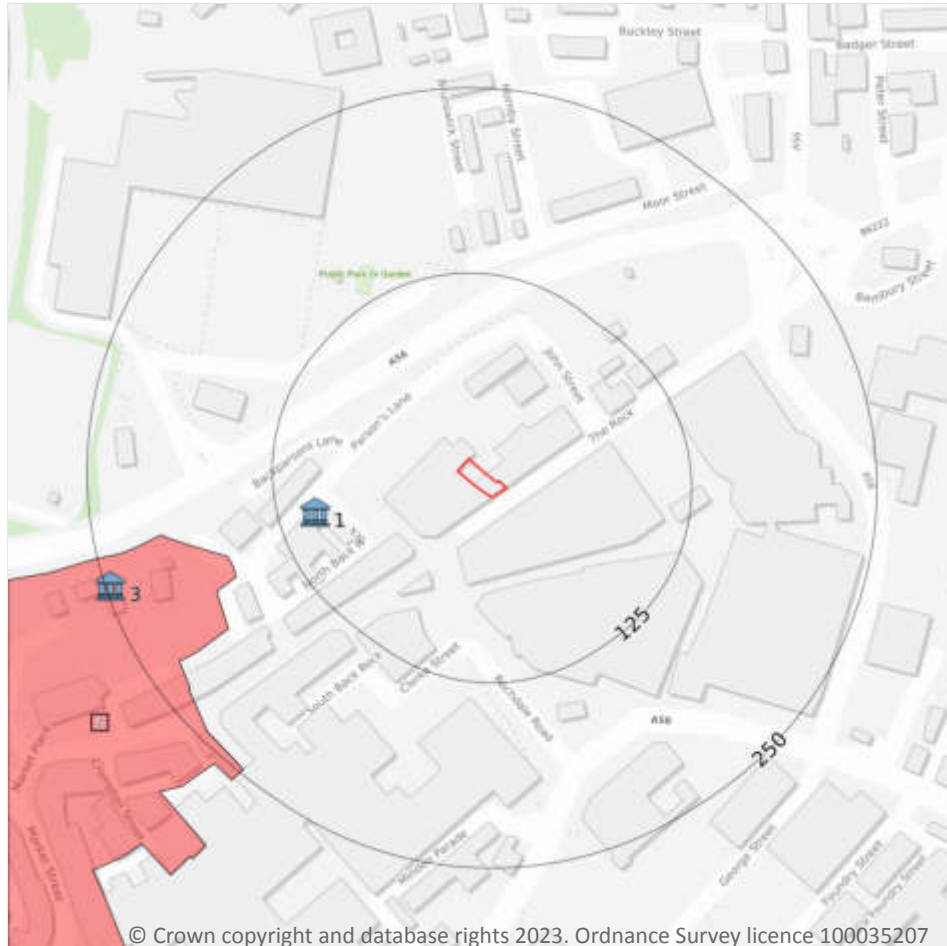
0

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

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



11 Visual and cultural designations



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

11.1 World Heritage Sites

Records within 250m

0

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

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

11.2 Area of Outstanding Natural Beauty

Records within 250m**0**

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

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

11.3 National Parks

Records within 250m**0**

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

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

11.4 Listed Buildings

Records within 250m**2**

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

Features are displayed on the Visual and cultural designations map on **page 97**

ID	Location	Name	Grade	Reference Number	Listed date
1	100m W	18 Parson's Lane, East, Bury, BL9	II	1164015	29/01/1985
3	247m W	Church Rooms, East, Bury, BL9	II	1356838	29/01/1985

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



11.5 Conservation Areas

Records within 250m

1

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.

Features are displayed on the Visual and cultural designations map on **page 97**

ID	Location	Name	District	Date of designation
2	164m W	Bury Town Centre	Bury	1978

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

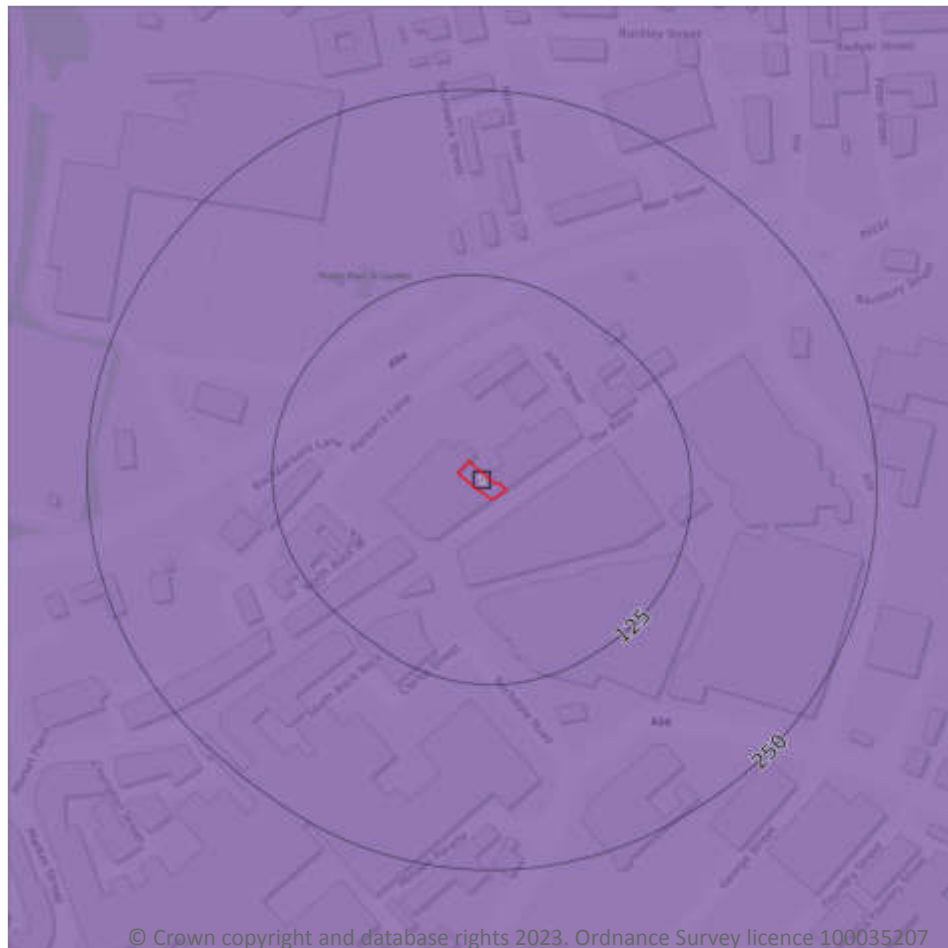
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Parks and gardens assessed to be of particular interest and of special historic interest. The emphasis being on 'designed' landscapes, rather than on planting or botanical importance. Registration is a 'material consideration' in the planning process, 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

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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 100**

ID	Location	Classification	Description
1	On site	Urban	-

This data is sourced from Natural England.



12.2 Open Access Land

Records within 250m**0**

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

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

12.3 Tree Felling Licences

Records within 250m**0**

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

This data is sourced from the Forestry Commission.

12.4 Environmental Stewardship Schemes

Records within 250m**0**

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

This data is sourced from Natural England.

12.5 Countryside Stewardship Schemes

Records within 250m**0**

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

This data is sourced from Natural England.

13 Habitat designations

13.1 Priority Habitat Inventory

Records within 250m

0

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

This data is sourced from Natural England.

13.2 Habitat Networks

Records within 250m

0

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

This data is sourced from Natural England.

13.3 Open Mosaic Habitat

Records within 250m

0

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

This data is sourced from Natural England.

13.4 Limestone Pavement Orders

Records within 250m

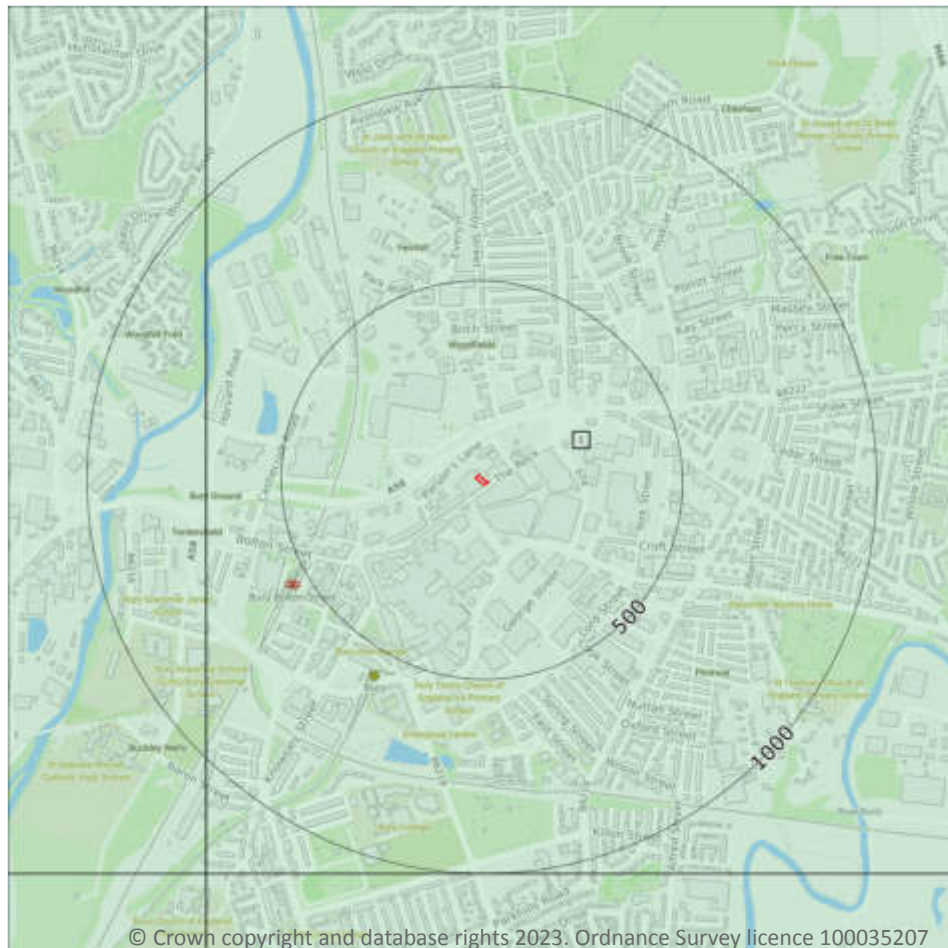
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Limestone pavements are outcrops of limestone where the surface has been worn away by natural means over millennia. These rocks have the appearance of paving blocks, hence their name. Not only do they have geological interest, they also provide valuable 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.

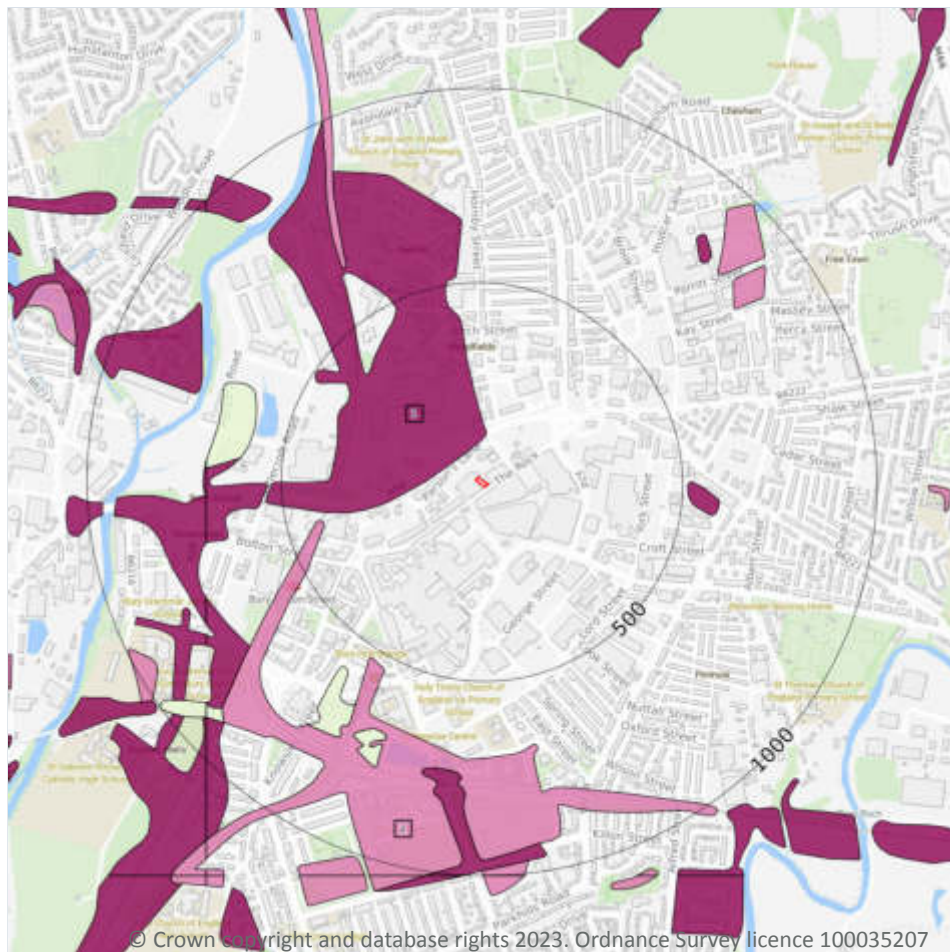
Features are displayed on the Geology 1:10,000 scale - Availability map on **page 103**

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

This data is sourced from the British Geological Survey.



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



- Site Outline
- Search buffers in metres (m)
- Reclaimed ground
 - Made ground
 - Worked ground
 - Infilled ground
 - Disturbed ground
 - Landscaped ground

14.2 Artificial and made ground (10k)

Records within 500m

2

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

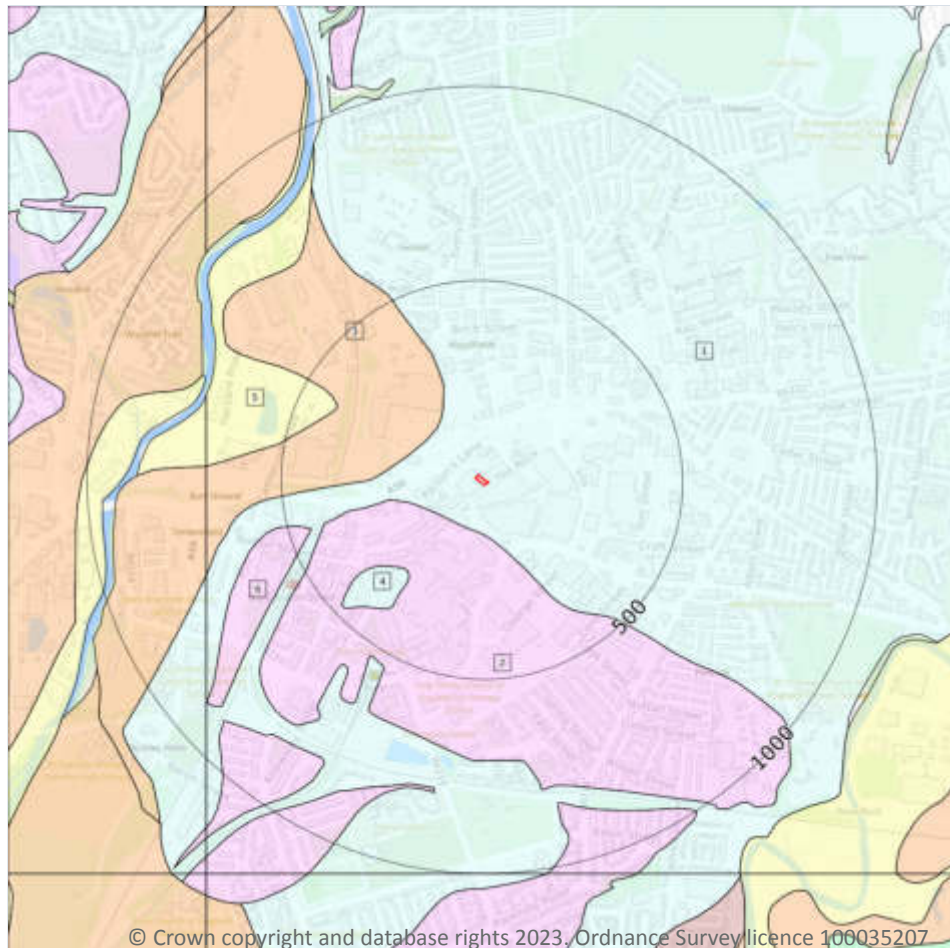
Features are displayed on the Geology 1:10,000 scale - Artificial and made ground map on **page 104**

ID	Location	LEX Code	Description	Rock description
1	69m NW	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
2	406m W	WGR-VOID	Worked Ground (Undivided)	Void

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Superficial



— Site Outline

Search buffers in metres (m)

▨ Landslip (10k)

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

14.3 Superficial geology (10k)

Records within 500m

6

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

Features are displayed on the Geology 1:10,000 scale - Superficial map on **page 105**

ID	Location	LEX Code	Description	Rock description
1	On site	TILLD-DMTN	Till, Devensian - Diamicton	Diamicton
2	119m S	GFDUD-XSV	Glaciofluvial Deposits, Devensian - Sand And Gravel	Sand And Gravel
3	159m NW	RTD2-XSV	River Terrace Deposits, 2 - Sand And Gravel	Sand And Gravel

ID	Location	LEX Code	Description	Rock description
4	295m SW	TILLD-DMTN	Till, Devensian - Diamicton	Diamicton
5	401m NW	ALV-XCZSV	Alluvium - Clay, Silt, Sand And Gravel	Clay, Silt, Sand And Gravel
6	442m W	GFDUD-XSV	Glaciofluvial Deposits, Devensian - Sand And Gravel	Sand And Gravel

This data is sourced from the British Geological Survey.

14.4 Landslip (10k)

Records within 500m

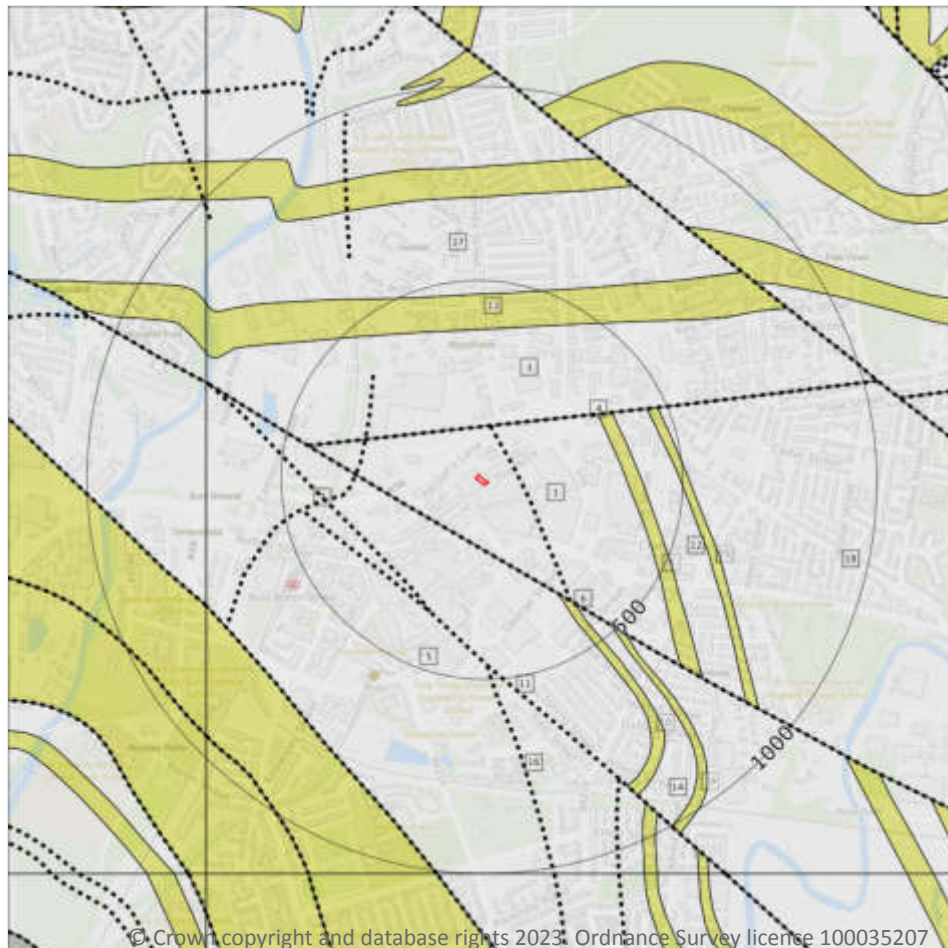
0

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

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Bedrock



— Site Outline

Search buffers in metres (m)

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

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

14.5 Bedrock geology (10k)

Records within 500m

12

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

Features are displayed on the Geology 1:10,000 scale - Bedrock map on **page 107**

ID	Location	LEX Code	Description	Rock age
1	On site	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age
3	123m N	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age

ID	Location	LEX Code	Description	Rock age
5	146m SW	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age
9	330m NE	OL-SDST	Old Lawrence Rock - Sandstone	Langsettian Sub-age
10	337m SE	OL-SDST	Old Lawrence Rock - Sandstone	Langsettian Sub-age
12	365m NE	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age
13	374m N	PLCM-SDST	Pennine Lower Coal Measures Formation - Sandstone	Langsettian Sub-age
14	381m SE	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age
15	450m NE	OL-SDST	Old Lawrence Rock - Sandstone	Langsettian Sub-age
17	464m N	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age
18	477m E	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age
19	484m SE	OL-SDST	Old Lawrence Rock - Sandstone	Langsettian Sub-age

This data is sourced from the British Geological Survey.

14.6 Bedrock faults and other linear features (10k)

Records within 500m

7

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

Features are displayed on the Geology 1:10,000 scale - Bedrock map on **page 107**

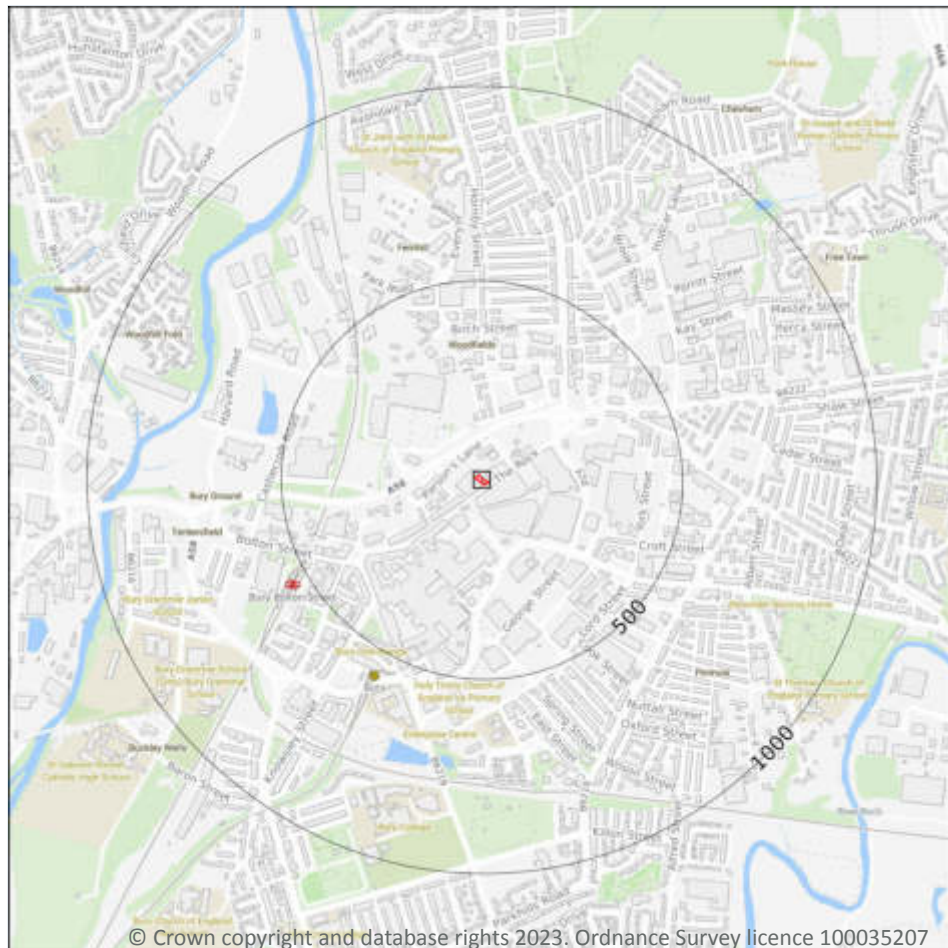
ID	Location	Category	Description
2	76m E	ROCK	Coal seam, inferred
4	123m N	FAULT	Normal fault, inferred; crossmarks on downthrow side
6	146m SW	FAULT	Normal fault, inferred; crossmarks on downthrow side
7	298m W	LANDFORM	Buried channel or valley margin
8	315m SW	ROCK	Coal seam, inferred
11	339m SW	FAULT	Normal fault, inferred; crossmarks on downthrow side
16	464m S	ROCK	Coal seam, inferred



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.

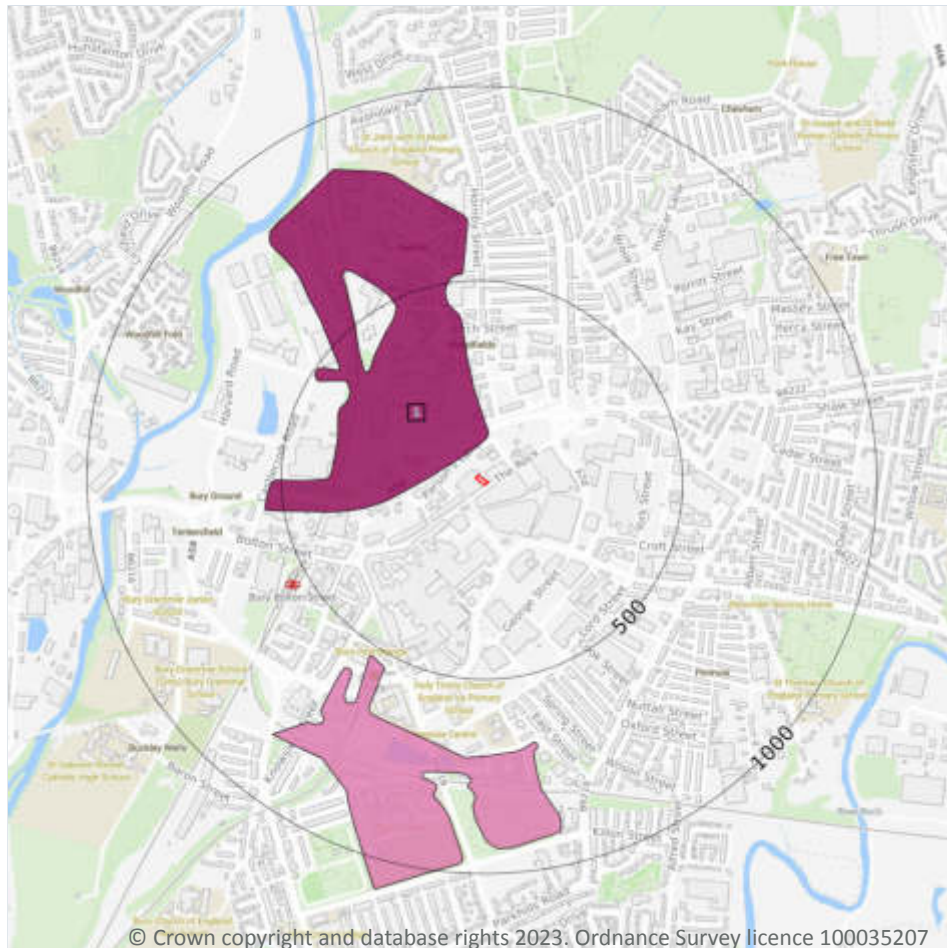
Features are displayed on the Geology 1:50,000 scale - Availability map on **page 110**

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

This data is sourced from the British Geological Survey.



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



- Site Outline
- Search buffers in metres (m)
- Made ground
 - Worked ground
 - Infilled ground
 - Disturbed ground
 - Landscaped ground

15.2 Artificial and made ground (50k)

Records within 500m

1

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

Features are displayed on the Geology 1:50,000 scale - Artificial and made ground map on **page 111**

ID	Location	LEX Code	Description	Rock description
1	62m NW	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

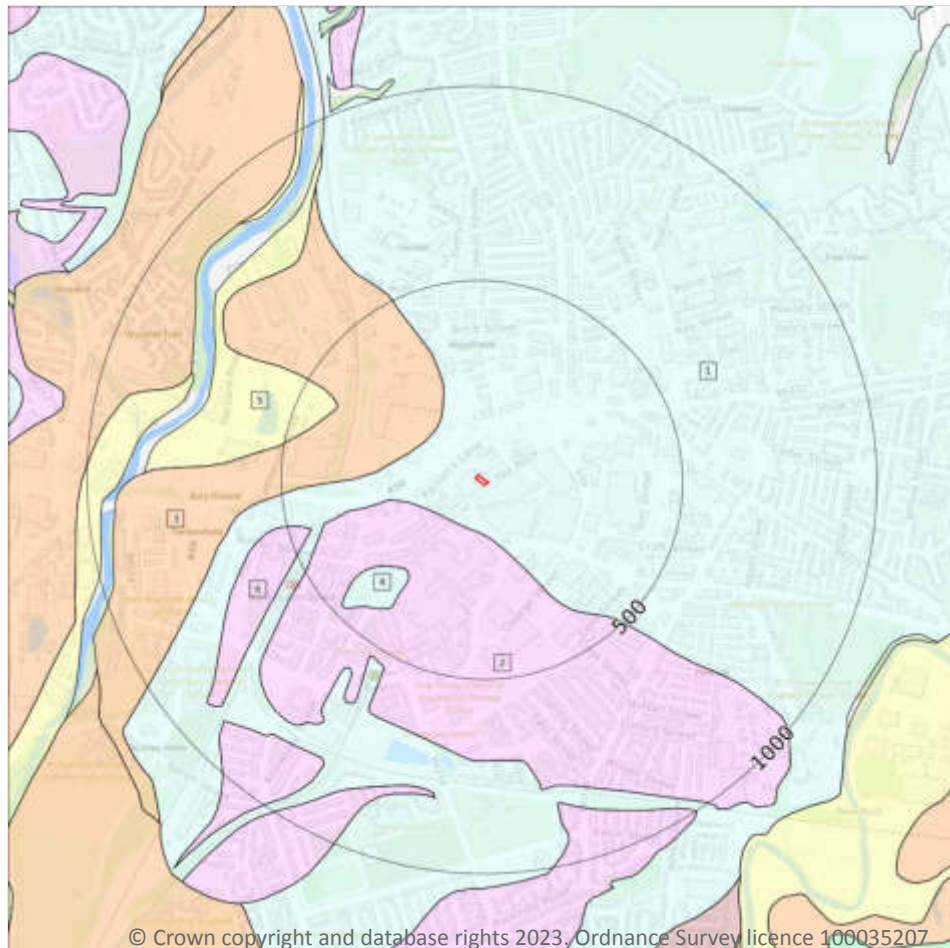
0

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



— Site Outline

Search buffers in metres (m)

Landslip (50k)

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

15.4 Superficial geology (50k)

Records within 500m

6

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

Features are displayed on the Geology 1:50,000 scale - Superficial map on **page 113**

ID	Location	LEX Code	Description	Rock description
1	On site	TILLD-DMTN	TILL, DEVENSIAN	DIAMICTON
2	119m S	GFDUD-XSV	GLACIOFLUVIAL DEPOSITS, DEVENSIAN	SAND AND GRAVEL
3	160m NW	RTD2-XSV	RIVER TERRACE DEPOSITS, 2	SAND AND GRAVEL

ID	Location	LEX Code	Description	Rock description
4	296m SW	TILLD-DMTN	TILL, DEVENSIAN	DIAMICTON
5	400m NW	ALV-XCZSV	ALLUVIUM	CLAY, SILT, SAND AND GRAVEL
6	442m W	GFDUD-XSV	GLACIOFLUVIAL DEPOSITS, DEVENSIAN	SAND AND GRAVEL

This data is sourced from the British Geological Survey.

15.5 Superficial permeability (50k)

Records within 50m **1**

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

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

This data is sourced from the British Geological Survey.

15.6 Landslip (50k)

Records within 500m **0**

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

This data is sourced from the British Geological Survey.

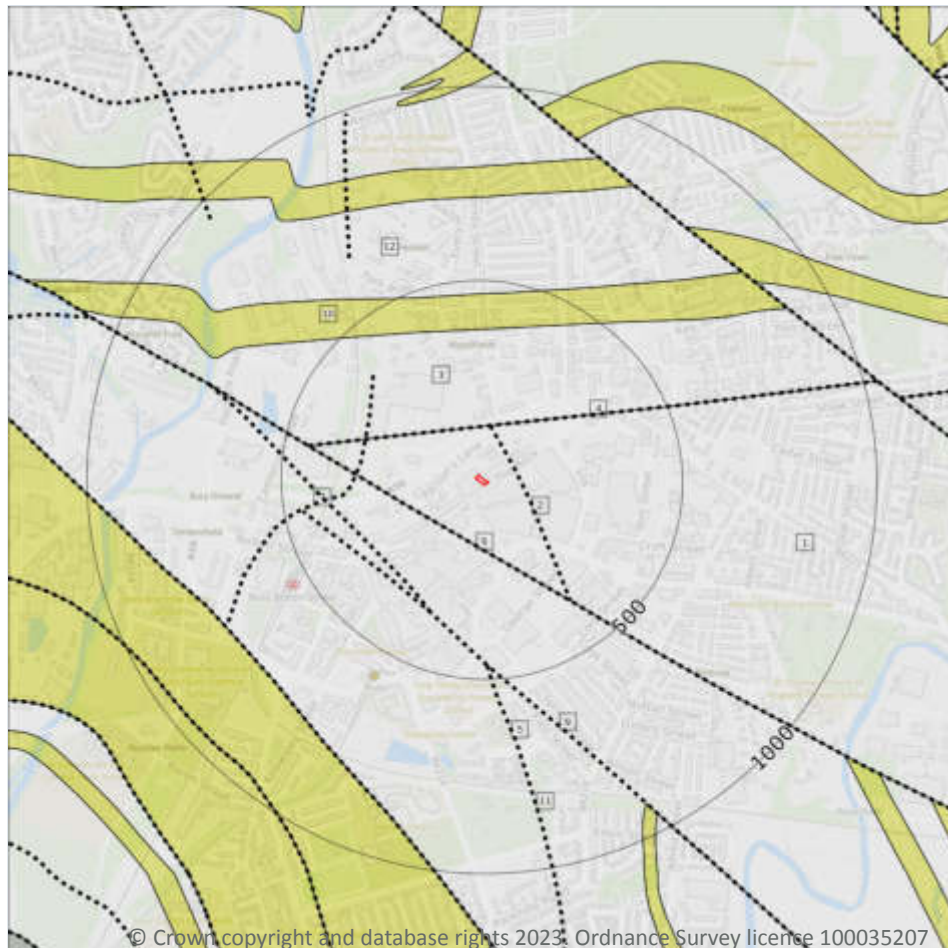
15.7 Landslip permeability (50k)

Records within 50m **0**

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

This data is sourced from the British Geological Survey.

Geology 1:50,000 scale - Bedrock



— Site Outline

Search buffers in metres (m)

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

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

15.8 Bedrock geology (50k)

Records within 500m

5

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 115**

ID	Location	LEX Code	Description	Rock age
1	On site	PLCM-MDSS	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
3	123m N	PLCM-MDSS	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN

ID	Location	LEX Code	Description	Rock age
5	146m SW	PLCM-MDSS	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
10	374m N	PLCM-SDST	PENNINE LOWER COAL MEASURES FORMATION - SANDSTONE	WESTPHALIAN
12	465m N	PLCM-MDSS	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN

This data is sourced from the British Geological Survey.

15.9 Bedrock permeability (50k)

Records within 50m

1

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

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

This data is sourced from the British Geological Survey.

15.10 Bedrock faults and other linear features (50k)

Records within 500m

7

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

Features are displayed on the Geology 1:50,000 scale - Bedrock map on **page 115**

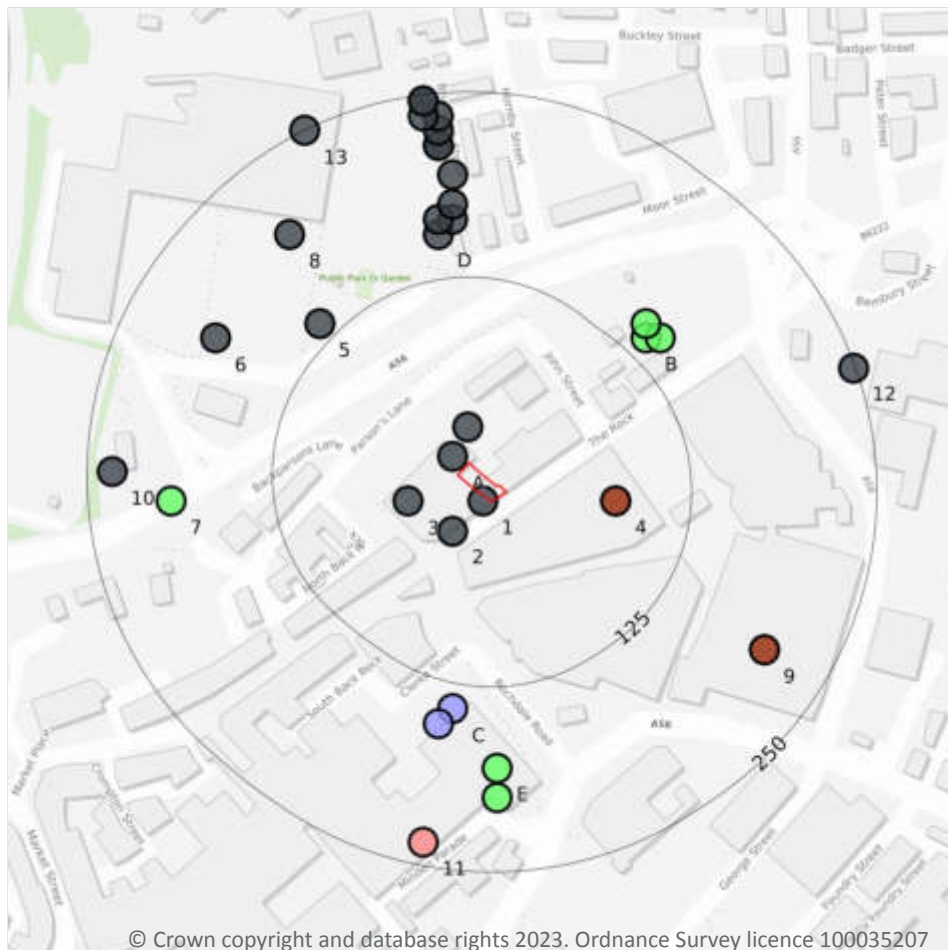
ID	Location	Category	Description
2	76m E	ROCK	Coal seam, inferred
4	123m N	FAULT	Fault, inferred
6	146m SW	FAULT	Fault, inferred
7	298m W	LANDFORM	Approximate margin of buried (superficial deposit-filled) channel or valley
8	315m SW	ROCK	Coal seam, inferred
9	339m SW	FAULT	Fault, inferred
11	464m S	ROCK	Coal seam, inferred



This data is sourced from the British Geological Survey.



16 Boreholes



- Site Outline**
- Search buffers in metres (m)**
- Confidential
 - 0 - 10m
 - 10 - 30m
 - 30m+
 - Unknown

16.1 BGS Boreholes

Records within 250m

34

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 118**

ID	Location	Grid reference	Name	Length	Confidential	Web link
1	3m S	380710 411000	THE ROCK BURY 3	-	Y	N/A
A	11m NW	380690 411030	THE ROCK BURY 5	-	Y	N/A
A	24m N	380700 411050	THE ROCK BURY 4	-	Y	N/A

ID	Location	Grid reference	Name	Length	Confidential	Web link
2	31m SW	380690 410980	THE ROCK BURY 2	-	Y	N/A
3	38m W	380660 411000	THE ROCK BURY 1	-	Y	N/A
4	74m E	380800 411000	PHILLIPS PATENTS LTD	-1.0	N	30595
5	138m NW	380600 411120	WOODFIELDS OPEN SPACE BURY 1	-	Y	N/A
B	140m NE	380820 411110	THE ROCK BURY BHB	12.7	N	30637
C	142m S	380690 410860	UNION ARCADE BURY BH1	8.5	N	30654
B	147m NE	380830 411110	THE ROCK BURY BHC	11.0	N	30638
B	147m NE	380820 411120	THE ROCK BURY BHA	11.1	N	30636
C	154m S	380680 410850	UNION ARCADE BURY BH4	7.9	N	30657
D	155m N	380680 411180	WOODFIELDS OPEN SPACE TP 9	-	Y	N/A
D	164m N	380690 411190	WOODFIELDS OPEN SPACE TP 7	-	Y	N/A
D	165m N	380680 411190	WOODFIELDS OPEN SPACE TP 8	-	Y	N/A
D	174m N	380690 411200	WOODFIELDS OPEN SPACE TP 6	-	Y	N/A
E	180m S	380720 410820	UNION ARCADE BURY BH2	11.5	N	30655
6	188m NW	380530 411110	WOODFIELDS OPEN SPACE BURY 2	-	Y	N/A
7	194m W	380500 411000	BURY COUNTY BOROUGH SHALLOW BORES	14.94	N	30391
D	194m N	380690 411220	WOODFIELDS OPEN SPACE TP 5	-	Y	N/A
8	196m NW	380580 411180	WOODFIELDS OPEN SPACE BURY 4	-	Y	N/A
E	200m S	380720 410800	UNION ARCADE BURY BH3	11.0	N	30656
9	204m SE	380900 410900	PROPOSED BORE AT HUDCAR MILLS	-1.0	N	30423
D	215m N	380680 411240	WOODFIELDS OPEN SPACE TP 4	-	Y	N/A
D	215m N	380680 411240	WOODFIELDS OPEN SPACE TP 3	-	Y	N/A
D	225m N	380680 411250	WOODFIELDS OPEN SPACE 4	-	Y	N/A
10	233m W	380460 411020	WOODFIELDS OPEN SPACE BURY 3	-	Y	N/A
11	234m S	380670 410770	BURY EASTERLEY BY-PASS. 112	30.48	N	30369
D	235m N	380680 411260	WOODFIELDS OPEN SPACE 3	-	Y	N/A
D	236m N	380670 411260	WOODFIELDS OPEN SPACE TP 2	-	Y	N/A
D	246m N	380670 411270	WOODFIELDS OPEN SPACE TP 1	-	Y	N/A

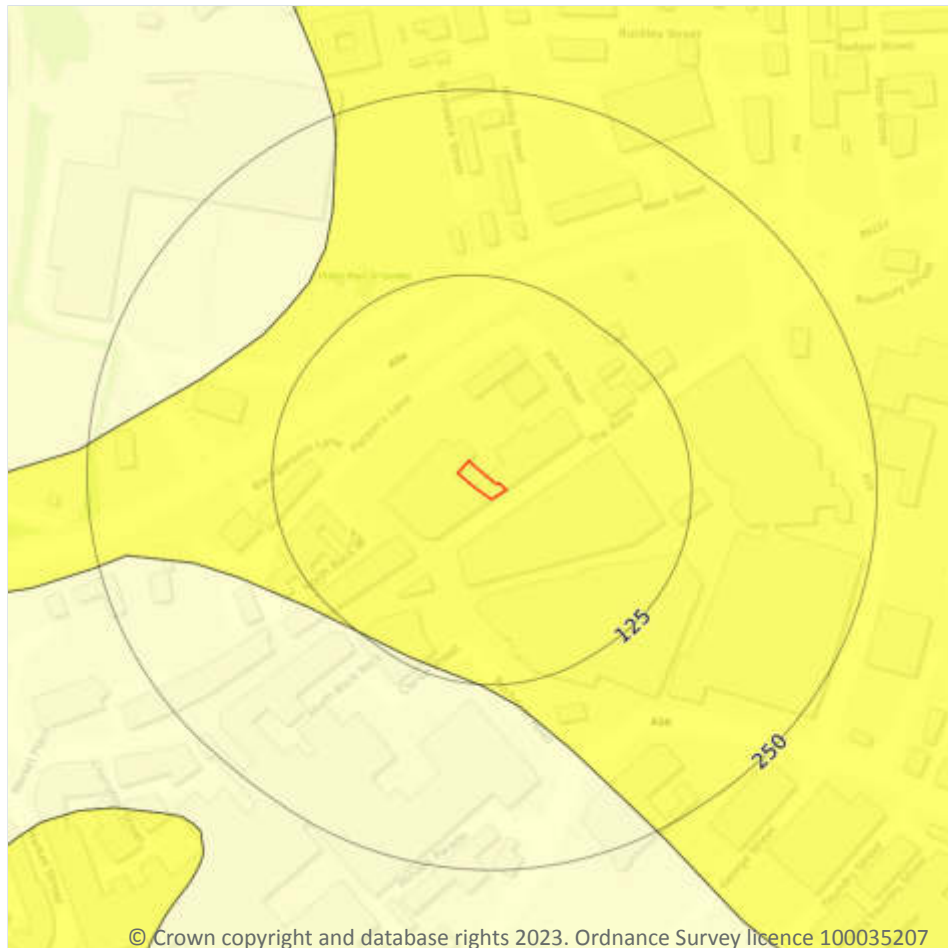


ID	Location	Grid reference	Name	Length	Confidential	Web link
D	246m N	380670 411270	WOODFIELDS OPEN SPACE 2	-	Y	N/A
12	249m E	380960 411090	THE ROCK BURY 1	-	Y	N/A
13	250m NW	380590 411250	WOODFIELDS OPEN SPACE BURY 5	-	Y	N/A

This data is sourced from the British Geological Survey.



17 Natural ground subsidence - Shrink swell clays



- Site Outline
- Search buffers in metres (m)
- ☐ No data
 - ☐ Negligible
 - ☒ Very low
 - ☐ Low
 - ☐ Moderate
 - ☐ High

17.1 Shrink swell clays

Records within 50m

1

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

Features are displayed on the Natural ground subsidence - Shrink swell clays map on **page 121**

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

This data is sourced from the British Geological Survey.



Natural ground subsidence - Running sands



- Site Outline
- Search buffers in metres (m)
- ☐ No data
 - ☐ Negligible
 - ☒ Very low
 - ☐ Low
 - ☐ Moderate
 - ☐ High

17.2 Running sands

Records within 50m

1

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

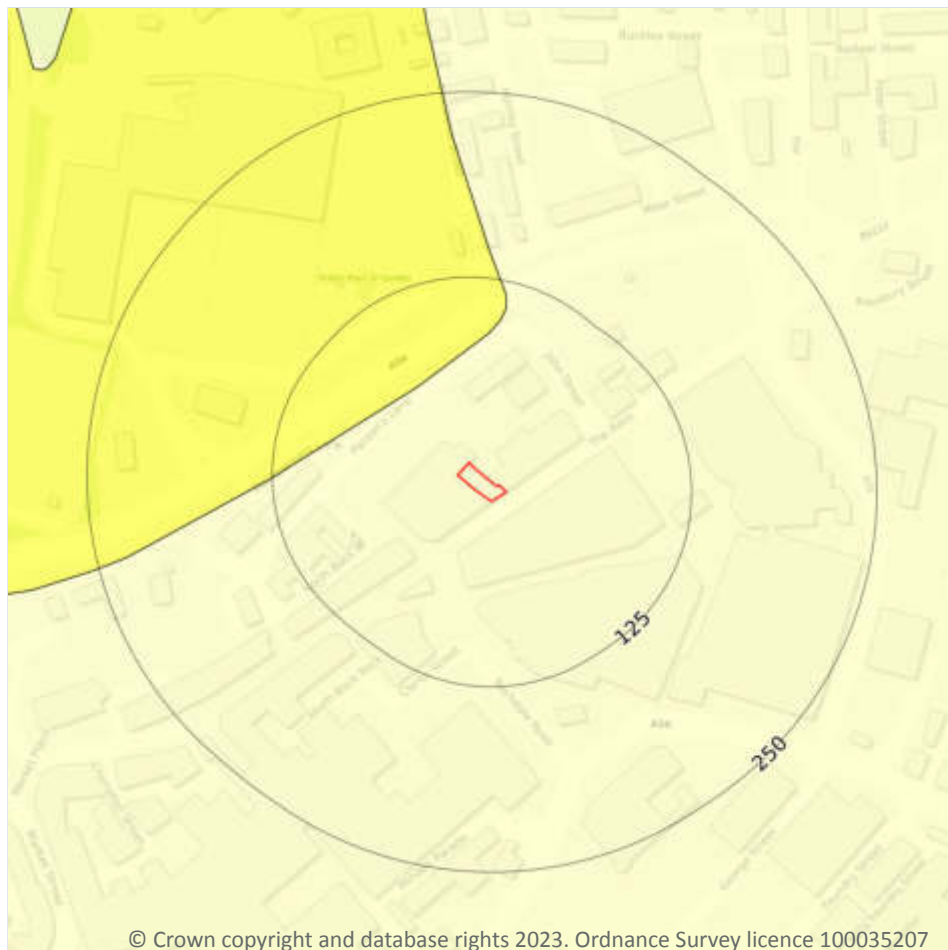
Features are displayed on the Natural ground subsidence - Running sands map on **page 122**

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

This data is sourced from the British Geological Survey.



Natural ground subsidence - Compressible deposits



- Site Outline
- Search buffers in metres (m)
- ☐ No data
 - ☐ Negligible
 - ☒ Very low
 - ☐ Low
 - ☐ Moderate
 - ☐ High

17.3 Compressible deposits

Records within 50m

1

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

Features are displayed on the Natural ground subsidence - Compressible deposits map on **page 123**

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.

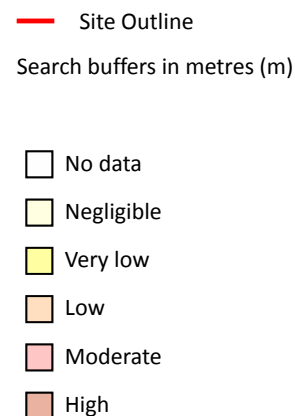
Features are displayed on the Natural ground subsidence - Collapsible deposits map on **page 124**

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

This data is sourced from the British Geological Survey.



Natural ground subsidence - Landslides



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17.5 Landslides

Records within 50m

1

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

Features are displayed on the Natural ground subsidence - Landslides map on **page 125**

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 126**

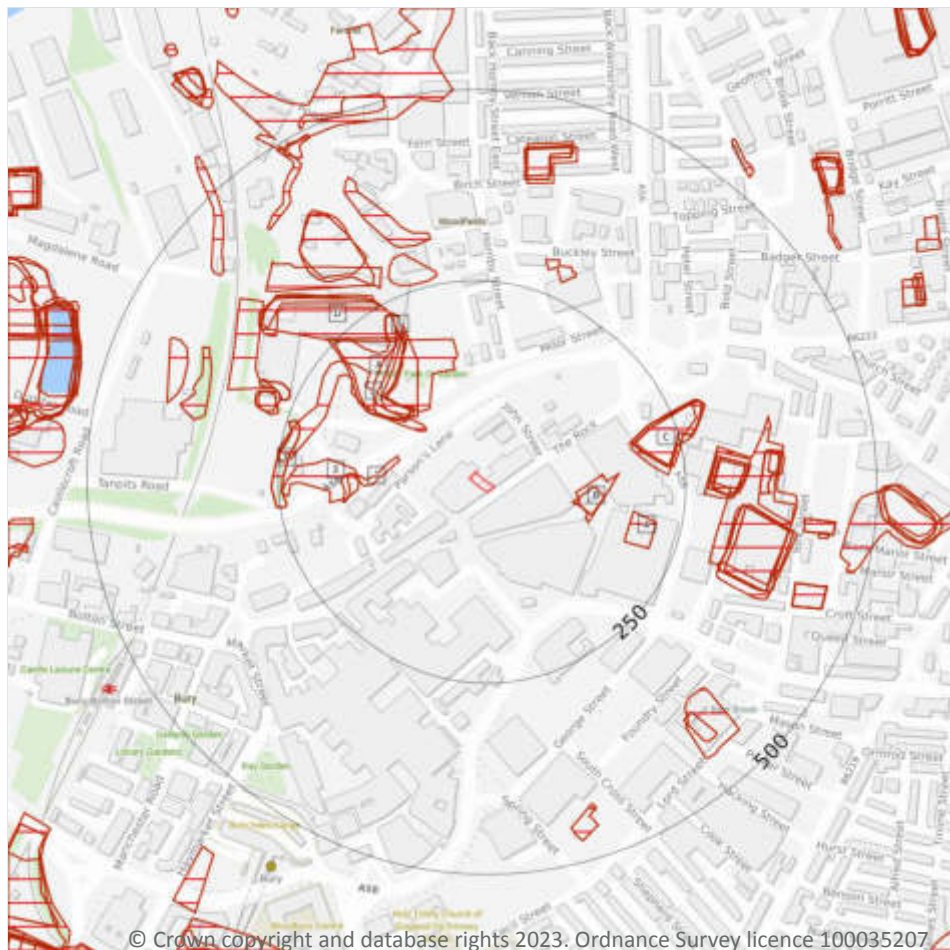
Location	Hazard rating	Details
On site	Negligible	Soluble rocks are either not thought to be present within the ground, or not prone to dissolution. Dissolution features are unlikely to be present.



This data is sourced from the British Geological Survey.



18 Mining, ground workings and natural cavities



- Site Outline
- Search buffers in metres (m)
- Natural cavities (Area)
- Natural cavities (Point)
- BritPits
- Surface ground workings
- Underground workings
- Historical Mineral Planning Areas
- Mining Cavities
- Non Coal Mining
- Sporadic underground mining of restricted extent possible
- Localised small scale underground mining possible
- Small scale mining possible
- Underground mining known or likely within or in close proximity
- Underground mining known within or in very close proximity

18.1 Natural cavities

Records within 500m

0

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

This data is sourced from Stantec UK Ltd.

18.2 BritPits

Records within 500m

0

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

This data is sourced from the British Geological Survey.

18.3 Surface ground workings

Records within 250m

22

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

Features are displayed on the Mining, ground workings and natural cavities map on **page 128**

ID	Location	Land Use	Year of mapping	Mapping scale
A	84m NW	Refuse Heap	1956	1:10560
1	95m W	Unspecified Ground Workings	1908	1:10560
A	102m NW	Burial Ground	1908	1:10560
B	104m E	Pond	1928	1:10560
A	104m NW	Unspecified Pit	1967	1:10560
B	106m E	Pond	1891	1:10560
A	110m NW	Unspecified Ground Workings	1938	1:10560
A	112m NW	Unspecified Heap	1928	1:10560
2	113m NW	Refuse Heap	1908	1:10560
3	144m W	Unspecified Heap	1891	1:10560
4	183m E	Pond	1851	1:10560
C	185m E	Ponds	1851	1:10560
C	188m E	Reservoirs	1938	1:10560
C	188m E	Reservoirs	1891	1:10560
C	188m E	Reservoirs	1928	1:10560
C	188m E	Reservoirs	1908	1:10560
C	194m E	Reservoirs	1956	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
5	197m NW	Unspecified Heap	1938	1:10560
D	200m NW	Refuse Heap	1928	1:10560
E	230m W	Unspecified Ground Workings	1928	1:10560
E	230m W	Unspecified Ground Workings	1938	1:10560
D	250m NW	Refuse Heap	1938	1:10560

This is data is sourced from Ordnance Survey/Groundsure.

18.4 Underground workings

Records within 1000m

0

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

This is data is sourced from Ordnance Survey/Groundsure.

18.5 Historical Mineral Planning Areas

Records within 500m

0

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

This data is sourced from the British Geological Survey.

18.6 Non-coal mining

Records within 1000m

0

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

This data is sourced from the British Geological Survey.



18.7 Mining cavities

Records within 1000m

0

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

This data is sourced from Stantec UK Ltd.

18.8 JPB mining areas

Records on site

0

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

This data is sourced from Johnson Poole and Bloomer.

18.9 Coal mining

Records on site

1

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

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

This data is sourced from the Coal Authority.

18.10 Brine areas

Records on site

0

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

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



18.11 Gypsum areas

Records on site	0
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Generalised areas that may be affected by gypsum extraction.

This data is sourced from British Gypsum.

18.12 Tin mining

Records on site	0
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Generalised areas that may be affected by historical tin mining.

This data is sourced from Groundsure.

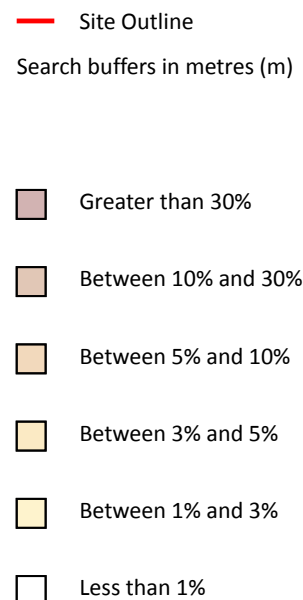
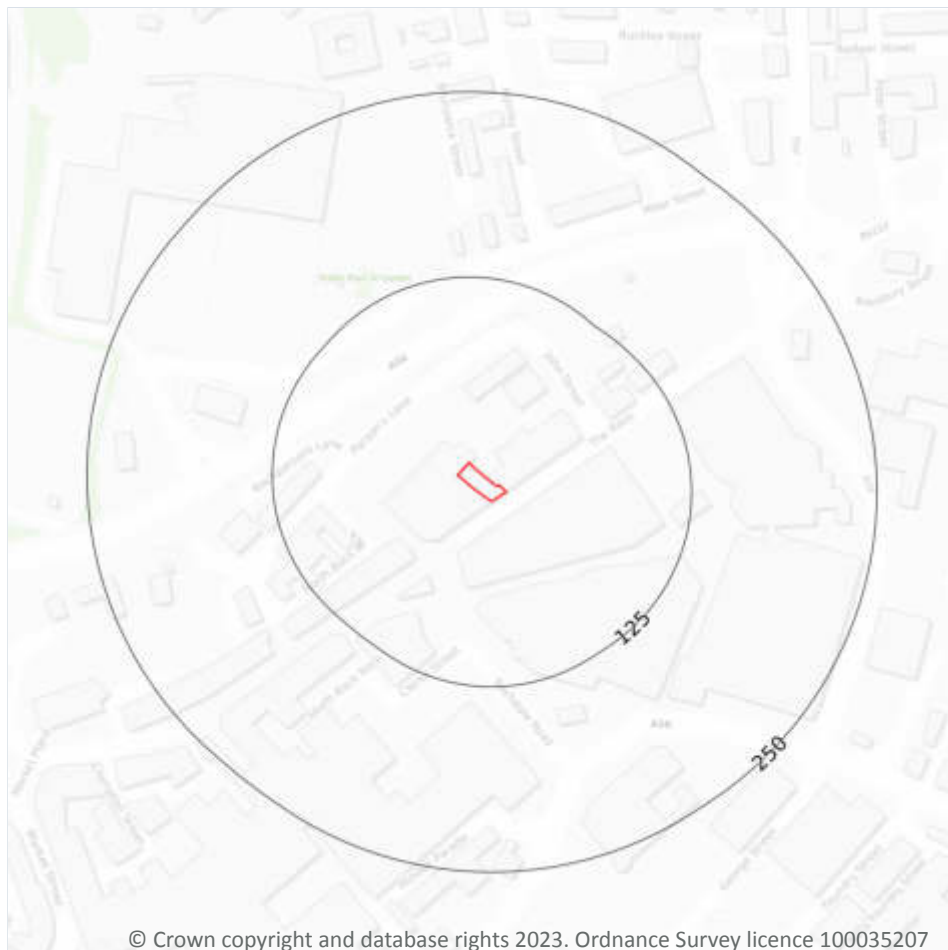
18.13 Clay mining

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

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

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

19 Radon



19.1 Radon

Records on site

1

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 133**

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.



20 Soil chemistry

20.1 BGS Estimated Background Soil Chemistry

Records within 50m

2

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

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	15 - 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
On site	15 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.

20.2 BGS Estimated Urban Soil Chemistry

Records within 50m

0

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

This data is sourced from the British Geological Survey.

20.3 BGS Measured Urban Soil Chemistry

Records within 50m

0

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

This data is sourced from the British Geological Survey.

21 Railway infrastructure and projects



- Site Outline
- Search buffers in metres (m)
- C1 Crossrail 1 Stations
- Crossrail 1 Route
- C2 Crossrail 2 Stations
- Crossrail 2 Route
- Crossrail 2 Worksites
- Crossrail 2 Safeguarding
- Crossrail 2 Headhouses
- Railway stations
- Active railways
- Active tunnels
- Abandoned railways
- Historic railways
- Historic tunnels
- Underground stations
- Underground Lines
- Royal Mail tunnels
- HS2 optimised route
- HS2 Stations
- HS2 Depots
- HS2 Surface Safeguarding
- HS2 Subsurface Safeguarding

21.1 Underground railways (London)

Records within 250m

0

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

This data is sourced from publicly available information by Groundsure.

21.2 Underground railways (Non-London)

Records within 250m

0

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

This data is sourced from publicly available information by Groundsure.

21.3 Railway tunnels

Records within 250m

0

Railway tunnels taken from contemporary Ordnance Survey mapping.

This data is sourced from the Ordnance Survey.

21.4 Historical railway and tunnel features

Records within 250m

17

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 136**

Location	Land Use	Year of mapping	Mapping scale
210m SE	Railway Sidings	1910	2500
222m SE	Railway Sidings	1930	2500
226m W	Railway	1910	-
226m W	Railway	1893	-
228m W	Railway	1893	-
234m W	Railway Sidings	1891	10560
235m W	Railway Sidings	1956	10560
235m W	Railway Sidings	1967	10560
236m W	Railway Sidings	1908	10560
242m W	Railway Sidings	1957	2500
245m W	Railway Sidings	1957	1250
246m W	Railway Sidings	1938	10560
246m W	Railway Sidings	1928	10560
247m W	Railway Sidings	1891	2500
249m W	Railway Sidings	1910	2500
249m W	Railway Sidings	1930	2500
249m W	Railway Sidings	1937	2500



This data is sourced from Ordnance Survey/Groundsure.

21.5 Royal Mail tunnels

Records within 250m

0

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

This data is sourced from Groundsure/the Postal Museum.

21.6 Historical railways

Records within 250m

0

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

This data is sourced from OpenStreetMap.

21.7 Railways

Records within 250m

0

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

This data is sourced from Ordnance Survey and OpenStreetMap.

21.8 Crossrail 1

Records within 500m

0

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

This data is sourced from publicly available information by Groundsure.

21.9 Crossrail 2

Records within 500m

0

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

This data is sourced from publicly available information by Groundsure.



21.10 HS2

Records within 500m

0

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

This data is sourced from HS2 Ltd.



Data providers

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

Terms and conditions

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





APPENDIX 7 - Coal Authority Report



The Coal
Authority

CON29M

coal mining report

137 THE ROCK, BURY, BL9 0ND



Known or potential coal mining risks

Past underground coal mining	Page 4
Future underground coal mining	Page 4
Mine entries	Page 5



Further action

No further reports from the Coal Authority are required. Further information on any next steps can be found in our Professional opinion.

For more information on our reports please visit
www.groundstability.com



Professional opinion

According to the official mining information records held by the Coal Authority at the time of this search, evidence of, or the potential for, coal mining related features have been identified. In view of the coal mining circumstances we would recommend that any planned or future development should follow detailed technical advice before beginning work on site. Please see **page 3** for further details on **Future development**.

Your reference: **GRO-23038**
Our reference: **51003337080001**
Date: **6 February 2023**

Client name:
James Doyle

If you require any further assistance please
contact our experts on:
0345 762 6848
groundstability@coal.gov.uk



The Law
Society

Enquiry boundary

Key

Approximate position of enquiry boundary shown



We can confirm that the location is
on the coalfield



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This report is prepared in accordance with the latest Law Society's Guidance Notes 2018, the User Guide 2018 and the Coal Authority's Terms and Conditions applicable at the time the report was produced.



Accessibility

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

Professional opinion



Future development

If development proposals are being considered, technical advice relating to both the investigation of coal and former coal mines and their treatment should be obtained before beginning work on site. All proposals should apply specialist engineering practice required for former mining areas. No development should be undertaken that intersects, disturbs or interferes with any coal or coal mines without first obtaining the permission of the Coal Authority.

MINE GAS: Please note, if there are no recorded instances of mine gas within the enquiry boundary, this does not mean that mine gas is not present within the vicinity. The Coal Authority Mine Gas data is limited to only those sites where a Mine Gas incident has been recorded. Developers should be aware that the investigation of coal seams, mine workings or mine entries may have the potential to generate and/or displace underground gases. Associated risks both to the development site and any neighbouring land or properties should be fully considered when undertaking any ground works. The need for effective measures to prevent gases migrating onto any land or into any properties, either during investigation or remediation work, or after development must also be assessed and properly addressed. In these instances, the Coal Authority recommends that a more detailed Gas Risk Assessment is undertaken by a competent assessor.

If you are looking to develop, or undertake works, within a coal mining development high risk area your Local Authority planning department may require a Coal Mining Risk Assessment to be undertaken by a qualified mining geologist or engineer. Should you require any additional information then please contact the Coal Authority on **0345 762 6848** or email **cmra@coal.gov.uk**.

Detailed findings

Information provided by the Coal Authority in this report is compiled in response to the Law Society's CON29M Coal Mining enquiries. The said enquiries are protected by copyright owned by the Law Society of 113 Chancery Lane, London WC2A 1PL.

The Coal Authority owns the copyright in this report and the information used to produce this report is protected by our database rights. All rights are reserved and unauthorised use is prohibited. If we provide a report for you, this does not mean that copyright and any other rights will pass to you. However, you can use the report for your own purposes.

1 Past underground coal mining

The property is not within a surface area that could be affected by any past recorded underground coal mining.

However the property is in an area where the Coal Authority believes there is coal at or close to the surface. This coal may have been worked at some time in the past. The potential presence of coal workings at or close to the surface should be considered, particularly prior to any site works or future development activity, as ground movement could still be a risk. Your attention is drawn to the Professional opinion sections of the report.

2 Present underground coal mining

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

3 Future underground coal mining

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

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

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

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

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

4 Mine entries

There are no recorded coal mine entries known to the Coal Authority within, or within 20 metres, of the boundary of the property.

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

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

5 Coal mining geology

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

6 Past opencast coal mining

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

7 Present opencast coal mining

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

8 Future opencast coal mining

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

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

9 Coal mining subsidence

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

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

The Coal Authority is not aware of any request having been made to carry out preventive works before coal is worked under section 33 of the Coal Mining Subsidence Act 1991.

10 Mine gas

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

11 Hazards related to coal mining

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

12 Withdrawal of support

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

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

13 Working facilities order

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

14 Payments to owners of former copyhold land

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

Statutory cover



Coal mining subsidence

In the unlikely event of any coal mining related subsidence damage, the Coal Authority or the mine operator has a duty to take remedial action in respect of subsidence caused by the withdrawal of support from land or property in connection with lawful coal mining operations.

When the works are the responsibility of the Coal Authority, our dedicated public safety and subsidence team will manage the claim. The house or land owner ("the owner") is covered for these works under the terms of the Coal Mining Subsidence Act 1991 (as amended by the Coal Industry Act 1994). Please note, this Act does not apply where coal was worked or gotten by virtue of the grant of a gale in the Forest of Dean, or any other part of the Hundred of St. Briavels in the county of Gloucester.

If you believe your land or property is suffering from coal mining subsidence damage and you need more information on what to do next, please use the following link to our website which sets out what your rights are and what you need to consider before making a claim.

www.gov.uk/government/publications/coal-mining-subsidence-damage-notice-form



Coal mining hazards

Our public safety and subsidence team provide a 24 hour a day, 7 days a week hazard reporting service, to help protect the public from hazards caused by past coal workings, such as a mine shaft or shallow working collapse. To report any hazards please call **0800 288 4242**. Further information can be found on our website: www.gov.uk/coalauthority.

Glossary



Key terms

adit - horizontal or sloped entrance to a mine

coal mining subsidence - ground movement caused by the removal of coal by underground mining

Coal Mining Subsidence Act 1991 - the Act setting out the duties of the Coal Authority to repair damage caused by coal mining subsidence

coal mining subsidence damage - damage to land, buildings or structures caused by the removal of coal by underground mining

coal seams - bed of coal of varying thickness

future opencast coal mining - a licence granted, or licence application received, by the Coal Authority to excavate coal from the surface

future underground coal mining - a licence granted, or licence application received, by the Coal Authority to excavate coal underground. Although it is unlikely, remaining coal reserves could create a possibility for future mining, which would be licensed by the Coal Authority

mine entries - collective name for shafts and adits

mine gas - reports of alleged mine gas emissions received by the Coal Authority within the enquiry boundary that subsequently required investigation and action by the Coal Authority to mitigate the effects of the mine gas emission. Please note, if there are no recorded instances of mine gas reported, this does not mean that mine gas is not present within the vicinity. The Coal Authority Mine Gas data is limited to only those sites where a Mine Gas incident has been recorded

payments to owners of former copyhold land - historically, copyhold land gave rights to coal to the copyholder. Legislation was set up to allow others to work this coal, but they had to issue a notice and pay compensation if a copyholder came forward

shaft - vertical entry into a mine

site investigation - investigations of coal mining risks carried out with the Coal Authority's permission

stop notice - a delay to repairs because further coal mining subsidence damage may occur and it would be unwise to carry out permanent repairs

subsidence claim - a formal notice of subsidence damage to the Coal Authority since it was established on 31 October 1994

withdrawal of support - a historic notice informing landowners that the coal beneath their property was going to be worked

working facilities orders - a court order which gave permission, restricted or prevented coal mine workings

APPENDIX 8 - CIRIA Risk Assessment Methodology

Contaminated Land Risk Assessment

Contaminated Land Risk Assessment is a technique that identifies and considers the associated risk, determines whether the risks are significant and whether action needs to be taken. The four main stages of risk assessment are:

Hazard Identification ➡ Hazard Assessment ➡ Risk Estimation ➡ Risk Evaluation

LCRM outlines the framework to be followed for risk assessment in the UK. The framework is designed to be consistent with UK legislation and policies including planning. The starting point of the risk assessment is to identify the context of the problem and the objectives of the process.

Formulating and developing a conceptual model for the site is an important requirement of risk assessment, this supports the identification and assessment of pollutant linkages. Development of the conceptual model forms the main part of preliminary risk assessment, and the model is subsequently refined or revised as more information and understanding is obtained through the risk assessment process.

Risk is a combination of the likelihood of an event occurring and the magnitude of its consequences. Therefore, both the likelihood and the consequences of an event must be taken into account when assessing risk.

The risk assessment process needs to take into account the degree of confidence required in decisions. Identification of uncertainties is an essential step in risk assessment.

The likelihood of an event is classified on a four-point system using the following terms and definitions from CIRIA C552:

- **High likelihood:** There is a pollution linkage and an event 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;
- **Likely:** There is a pollution linkage and all the elements are present and in the right place, which means it is probable that an event will occur. Circumstances are such that the event is not inevitable, but possible in the short term and likely over the long term;
- **Low likelihood:** There is a pollution linkage and circumstances are possible under which an event could occur. However, it is by no means certain even over a longer period such event would take place, and is less likely in the short term;
- **Unlikely:** There is a pollution linkage but circumstances are such that it is improbable the event would occur even in the long term.

The severity is also classified using a system based on CIRIA C552. The terms and definitions are:

- **Severe:** Short term (acute) risk to human health likely to result in 'significant harm' as defined by the Environment Protection Act 1990, Part IIA. Short-term risk of pollution of sensitive water resources. Catastrophic damage to buildings or property. A short-term risk to a particular ecosystem or organism forming part of that ecosystem (note definition of ecosystem in 'Draft Circular on Contaminated Land', DETR 2000);
Examples – High concentrations of contaminant on surface of recreation area, major spillage of contaminants from site into controlled waters, explosion causing building to collapse;

- **Medium:** Chronic damage to human health ('significant harm' as defined in DETR 2000). Pollution of sensitive water resources. A significant change in a particular ecosystem or organism forming part of that ecosystem (note definition of ecosystem in 'Draft Circular on Contaminated Land', DETR 2000);
Examples - Concentrations of contaminants exceed the generic assessment criteria, leaching of contaminants from a site to a Principal or Secondary Aquifer, death of species within a designated nature reserve;
- **Mild:** Pollution of non-sensitive water resources. Significant damage to crops, buildings, structures and services ('significant harm' as defined in 'Draft Circular on Contaminated Land', DETR 2000). Damage to sensitive buildings, structures, services or the environment;
Examples – Pollution of non-classified groundwater or damage to buildings rendering it unsafe to occupy.
- **Minor:** harm, not necessarily significant harm, which may result in financial loss or expenditure to resolve. Non-permanent health effects to human health (easily prevented by use of personal protective clothing etc). Easily repairable effects of damage to buildings, structures and services.
Examples – Presence of contaminants at such concentrations PPE is required during site work, loss of plants in landscaping scheme or discolouration of concrete.

Once the likelihood and severity have been determined, a risk category can be assigned using the table below.

		Consequences			
		Severe	Medium	Mild	Minor
Probability	Highly likely	Very high	High	Moderate	Moderate/low
	Likely	High	Moderate	Moderate/low	Low
	Low likelihood	Moderate	Moderate/low	Low	Very low
	Unlikely	Moderate/low	Low	Very Low	Very low

Definitions of the risk categories obtained from the above table are as follows together with an assessment of the further work that might be required:

- **Very high:** There is a high probability that severe harm could arise to a designated receptor from an identified hazard or there is evidence that severe harm is currently happening. This risk, if realised, could result in substantial liability. Urgent investigation and remediation are likely to be required;
- **High:** Harm is likely to arise to a designated receptor from an identified hazard. Realisation of the risk is likely to present a substantial liability. Urgent investigation is required and remedial works may be necessary in the short term and are likely over the longer term;
- **Moderate:** It is possible that harm could arise to a designated receptor from an identified hazard. However, it is either relatively unlikely that any such harm would be severe, or if any harm were to occur it would be more likely to be relatively mild. Investigation is normally required to clarify the risk and determine the liability. Some remedial works may be required in the longer term;
- **Low:** It is possible that harm could arise to a designated receptor from an identified hazard, but it is likely that this harm, if realised, would at worst normally be mild;
- **Very Low:** There is a low possibility that harm could arise to a receptor. In the event of such harm being realised, it is not likely to be severe.

APPENDIX 9 - Relevant Contaminated Land Legislation

Legislative Background

Environmental liabilities and risks have been evaluated in terms of a source -pathway - target relationship in accordance with the approach set out in:

- The 1995 Environment Act;
- The Contaminated Land (England) Regulations 2000;
- The DETR circular 02/2000 Environmental Protection Act 1990: Part IIA Contaminated Land.

Contaminated land is defined within the legislative framework as land which is in such condition by reason of substances in, on or under the land that:

- 1) Significant harm is being caused or there is a significant possibility of such harm being caused;
- 2) Significant pollution of controlled waters is being or is likely to be caused.

The potential for harm is based on the presence of three factors:

- **Source** - substances that are potential contaminants or pollutants that may cause harm;
- **Pathway** - a potential route by which contaminants can move from the source to the receptor;
- **Receptor** - a receptor that may be harmed, for example the water environment, humans and water.

Where a source, pathway and target are all present a pollutant linkage exists and there is potential for harm to be caused. The presence of a source does not automatically imply that a contamination problem exists, since contamination must be defined in terms of pollutant linkages and unacceptable risk of harm. The nature and importance of both pathways and receptors are site specific and will vary according to the intended end use of the site, its characteristics and its surroundings.

The key principle which supports the SPR approach is 'suitable for use' criteria. This requires remedial action only where contamination is considered to pose unacceptable actual or potential risks to health or the environment and, taking into account the proposed use of the site.

Relevant Guidance Documents

This report has been prepared in accordance with the list of guidance below however the list is not exhaustive:

- LCRM – Model Procedures;
- Contamination and Environmental Matters - Their implications for Property Professionals (2nd Edition RICS Nov 2003);
- Brownfields – Managing the development of previously developed land – A client's guide, CIRIA 2002;
- DEFRA and Environment Agency publications CLR7 – 10, supported by the TOX guides and SGV guides, dated March 2002;
- DETR Circular 02/2000, Contaminated Land: Implementation of Part IIA of the Environmental Protection Act 1990;
- Environment Agency technical advice to third parties on Pollution of Controlled Waters for Part IIA of the EPA1990, May 2002;

Relevant Legislative Documents

The following is a non-exhaustive list of legislative framework documents that has been considered in the production of this report:

- The Environment Act (1995);
- The Environmental Protection Act 1990: Part 2A Contaminated Land Statutory Guidance (2012);
- The Environment Protection Act (1990);
- The Contaminated Land (England) Act (2000);
- Contaminated Land (England) Regulations (2012);
- The Water Resources Act (1991);
- The Pollution Prevention and Control (England and Wales) Regulations (2000);
- The Landfill Regulations (England and Wales) Regulations (2002);
- The Landfill (England and Wales) (Amendment) Regulations (2004);
- Health and Safety at Work Act;

APPENDIX 10 - Limitations

Limitations

This report (Report) forms part of the Services and if applicable Additional Services undertaken by Groundtech Consulting Ltd pursuant to a written contract (Agreement) which contains detailed provisions including express limitations of the liability of Groundtech Consulting Ltd.

This Report was prepared using reasonable skill and care as stated in the Agreement for the purpose including intended end use stated by the Client (Purpose) and the liability of Groundtech Consulting Ltd in respect of the form and content of this Report is no greater than its liability under the Agreement. All records, measurements notes, or any other data (Data) obtained by or for the benefit of the Consultant were obtained at a specific point in time and it may not be assumed by the Client or any person relying on this Report that the Data will remain unaffected by the passage of time, the seasons, weather conditions, changes in the water table or the carrying out and completion of works at the Site.

Unless otherwise agreed this Report has been prepared exclusively for the use and reliance of the Client and may not be relied upon, by any other party except as provided for in the Agreement. A third party who relies on this Report, does so at their own and sole risk and Groundtech Consulting Ltd has no liability to such parties.

Groundtech Consulting Ltd that this Report is to be used for the Purpose. The Purpose was instrumental in determining the scope and of the Services provided. If the Purpose should change, the Client may not be able to rely on the Report without the separate agreement of Groundtech Consulting Ltd.

Since the Report was written, later changes in legislation, statutory requirements and industry best practices have not been considered and this should be allowed for. Ground conditions can also change (see below) and should be investigated if there is any significant delay in acting on the findings of this Report. The period 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 in this Report should not be relied upon in the future without written confirmation from Groundtech Consulting Ltd that it is safe to do so.

The observations and conclusions outlined in this Report are based exclusively on the services that were provided as set out in the agreement between the client and Groundtech Consulting Ltd.

Groundtech Consulting Ltd is not liable for the existence of any condition, the discovery of which would require additional investigation outside the agreed scope of works or core competency. The Report is based upon Groundtech Consulting Ltd's observations of existing physical conditions at the Site gained from site reconnaissance together with 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 Groundtech Consulting Ltd have relied upon such information assuming it to be correct.

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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 may also vary due to the ground's heterogeneous properties

and because investigation exploratory locations 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, particularly between exploratory holes. The extent of the limited area depends on the soil and groundwater conditions, together with other constraints such as the position of any existing structures and underground utilities. If so stipulated in the Agreement, geo-environmental testing was carried out for a limited number of parameters based on an understanding of the available operational and historical information, and it should not be inferred that other chemical species are not present.

Any groundwater conditions entered on the exploratory hole records are those observed at the time of investigation. The groundwater level often has not had time to reach equilibrium and a monitoring period is required. Furthermore, groundwater levels are subject to seasonal variation or changes in local drainage conditions and groundwater levels may occur at other times of the year which are higher than were recorded during this investigation.

Any site drawings provided in this Report are preliminary and used to present the general relative locations of features on, and surrounding, the Site.

