Site Condition Report

Unit J Prestwich Industrial Estate

KAS Metal Trading Limited

Unit J Prestwich Industrial Estate
Coal Pit Lane
Atherton
M46 0RY

Prepared by:

Wardell Armstrong LLP

City Quadrant, 11 Waterloo Square, Newcastle Upon Tyne, NE1 4DP

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2.0	11 August 2025	A Sharrock	A Cook	C Riddell
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Basis of Report

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KMTL.01.02-01 Permit Boundary Plan

1.0 Introduction

1.1 General

KAS Metal Trading Limited have commissioned Wardell Armstrong LLP to prepare a Site Condition Report for their Metal Trading Facility, Unit J, Prestwich Industrial Estate, Coal Pit Lane, Atherton, M46 0RY.

The facility currently operates under:

- T9 waste exemption: recovering scrap metal;
- S2 waste exemption: storing waste in a secure place; and
- RPS 276 Storing and treating hazardous waste cable.

This Site Condition Report forms part of a Permit Application for a new Bespoke Permit for a metal waste recycling facility that accepts, sorts and bulks scrap metals for onwards transport and trading. It is proposed that the site will also accept large WEEE, excluding fridges, for bulking and onward transportation. WEEE will not be treated onsite.

The regulated activities at the site will fall under a Section 5.6 part A(1) (a)(ii) Activity to store more than 50tonnes of hazardous waste at one time and a waste activity for hand shearing, sorting and storing of non hazardous waste.

The following activities are undertaken on the site:

- R4 (Recycling/reclamation of metals and metal compounds) (storing, manual sorting and hand cutting of metal scrap);
- R5 (Recycling/reclamation of other inorganic materials) (manual sorting and storage of plastic etc. only that incidental to managing the scrap metal);
- R12 (Exchange of wastes for submission to any of the operations numbered R1 to R11) (manual sorting of waste on site);
- R13 (Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced));
- D15 (Storage pending any of the operations numbered D1 to D14) incidental to the recycling activity only.

2.0 Site Location and Setting

Site details	
Name of the applicant	KAS Metal Trading Limited
Activity address	Unit J Prestwich Industrial Estate, Coal Pit Lane, Atherton, M46 0RY
National grid reference	SD 66747 03495.
Document reference	NT17007/004 Site Condition Report
Dates for Site Condition Report at permit application	01/11/2024

Document references for site plans (including location and boundaries)	Permit Boundary Plan KMTL.01.02-01

The site is located in a predominantly industrial area with similar operations including a scrap yard and mechanic directly to the south, a sheet metal contractor to the northwest and a distribution centre to the west.

The site is bound to the east by an unnamed stream which converges with Colliers Brook to form the Atherton Brook ~200m southeast if the site. The nearest residential receptors are located 45m east of the site, off Prestwich Street.

The site location and permit boundary are shown on drawing Permit Boundary Plan KMTL.01.02-01.

Figure 1 – Site Location

Table 1 – Proposed Permitted Activities

Permitted Activities	
Permitted activities	• R4 (Recycling/reclamation of metals and metal compounds); • R5 (Recycling/reclamation of other inorganic materials); • R12 (Exchange of wastes for submission to any of the operations numbered R1 to R11); • R13 (Storage of wastes pending any of the operations numbered R1 to

	R12 (excluding temporary storage, pending collection, on the site where it is produced)).
Non-permitted activities undertaken	
Document references for: • plan showing activity layout; and • environmental risk assessment.	NT17007-002-P0 Site Layout NT17007-003 Environmental Risk Assessment

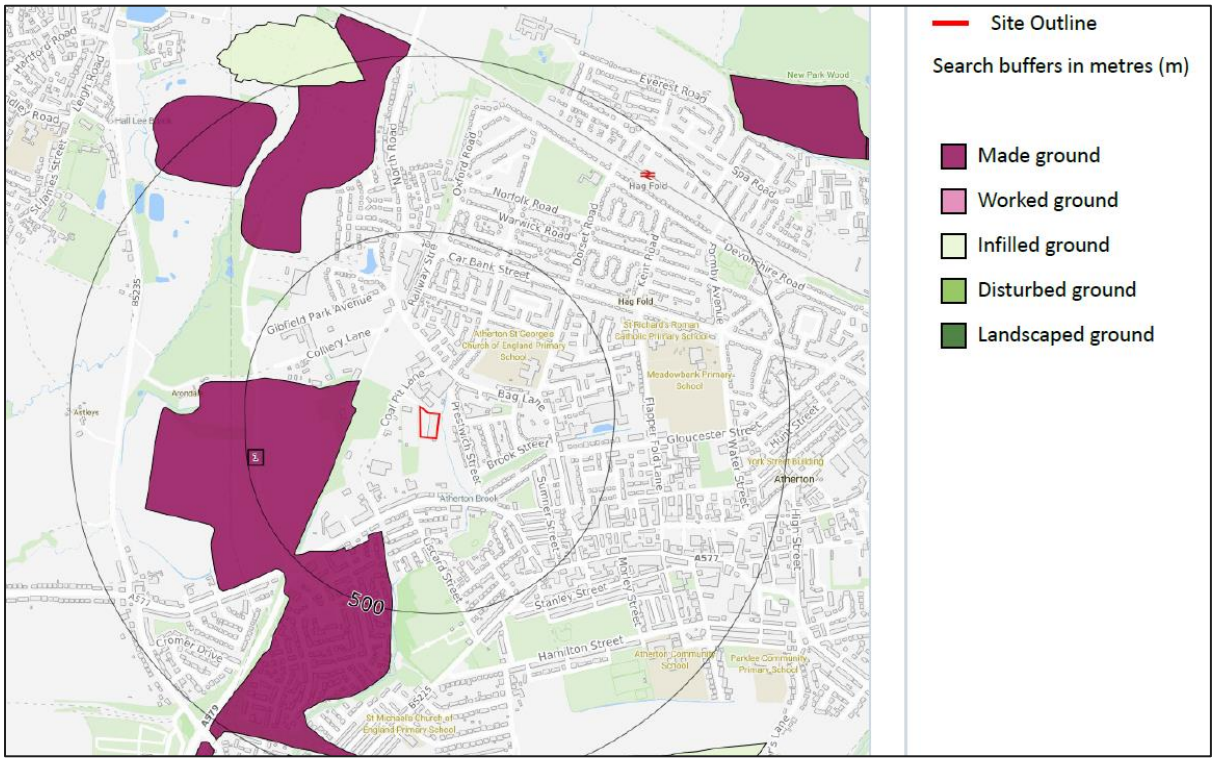
3.0 Condition of the Land at Permit Application

3.1 Made Ground

The site is located on an area of industrial land that was formerly a Screw Bolt Works There are a number of historical refuse heaps approximately 12m from the site boundary to the northeast and unspecified mine workings to the southwest of the site as well as a series of pits and collieries all approximately 60m south of the site.

Whilst there is no made ground reported directly underlying the site, it is inferred that there may have been some ground disturbance associated with the industrial works onsite and subsequent development of the site and buildings.

Figure 2 – Extent of Made Ground (Extract from Groundsure Report Appendix 1)



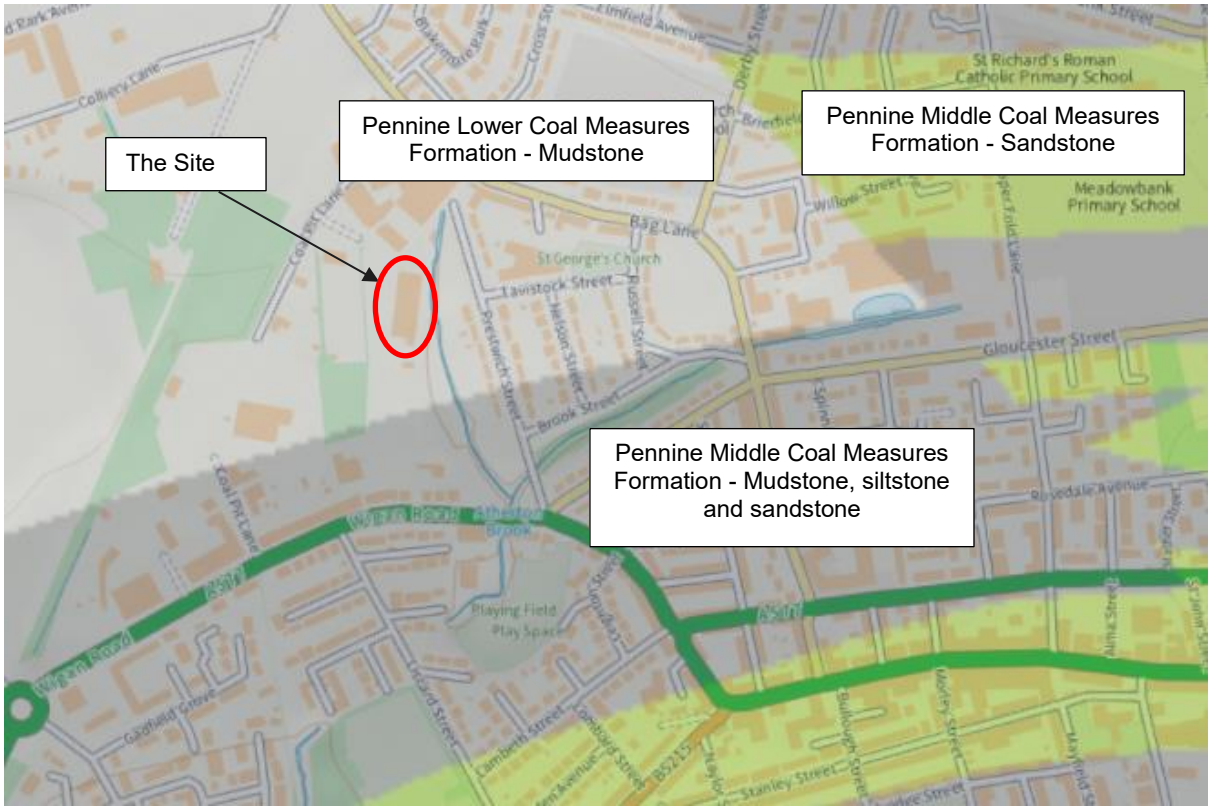
3.2 Geology

The underlying bedrock geology at the site comprises the Pennine Lower Coal Measures Formation. Under the site the measures are specifically interbedded grey mudstone. The mudstones containing marine fossils in the lower part, and more numerous and thicker coal seams in the upper part of the stratum. This formation is up to 720m in thickness in the Lancashire region.

The Pennine Middle Coal Measures overlie the Lower Coal measures around the site to the south, west and east. To the north of the site is a band of Cannel Rock, a sandstone formed in the carboniferous period.

Superficial deposits underlying the site comprise Devensian Till formed in the Quaternary Period. These deposits are made up of sandy, gravelly, silty clay. Directly adjacent to the eastern boundary of the site is an area of alluvium associated with the stream that runs parallel to the site boundary.

Figure 3 – Bedrock Geology (Extract from BGS Geology Viewer[1])



3.3 Hydrogeology

The bedrock at the site is designated as a Secondary A aquifer comprising 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.

The superficial deposits are designated as Secondary Undifferentiated, this aquifer classification is given when it is not possible to attribute either category A or B to a rock type.

The site is not located within a Source Protection Zone. There are also no records of potable water abstractions or groundwater abstraction licences within 2km of the site boundary.

3.4 Hydrology

The site is bound to the east by an unnamed stream which converges Colliers Brook to form the Atherton Brook ~200m southeast if the site. The watercourse adjacent to the site contains water year-round and is in the Bedford Brook Catchment. The stream is categorised as an inland river that is not influenced by tidal action.

The site is predominantly located in Flood Zone 1 with the eastern edge of the building in Flood Zone 2, due the proximity to an inland watercourse, this means the site has a less than

[1] https://geologyviewer.bgs.ac.uk

1 in 100 but greater than or equal to 1 in 1,000 chance of risk of flooding from a river or the sea.

There is negligible risk of surface water flooding on site from pluvial flooding and urban runoff.

There is one surface water abstraction with 2km of the site, located 547m east of the site and used for a boiler feed, the current status of this abstraction is historical.

3.5 Historical Land Use

A review of the historical land use at the site was undertaken using historical maps dated between 1859 and 2010. This is summarised in Table 1.

Table 2 - Summary of Historic Land Use

Date	Site Land Use	Adjacent Land Use
1893-94	Currently a field, no distinguishable characteristics	Atherton Screw Bolt works to the north, Gib Field Colliery and mine pit to the west off Coal Pit Lane. Railway line to the south and west. Now terraced houses to the north Collier Brook Farm to the east.
1928	Cuttings/embankment associated with the water course to the east	Extension to screw bolt works adjacent to northern boundary of site. Housing development with school and chapel to the east and further housing to the south
1936	No Change	Atherton Collieries extended to the west. Area of infilled land depicted on the western bank of unnamed watercourse off Prestwich street. Allotment gardens adjacent to eastern boundary of site
1952	Path/track across site	Further residential and commercial development, growth of Atherton screw bolt works
1959-1963	Works depicted on site, series of buildings	Sluice shown on stream adjacent to site boundary.
1966	No Change	Further residential and commercial development
1970-1975	Works on site specified as nut and bolt works	Further residential and commercial development
1991-1993	No Change	No change
2003	No Change	No change

3.6 Current Land Use

The land is currently used by KAS Metal trading as a scrap merchants. Adjacent to the north of the site is a wholesale facility, a construction and rail engineering services and a construction supply store.

There are several vehicle repair centres in the vicinity of the site located to the north and south of the site.

An electrical substation is located 138m to the north. The closest petrol station is 206m southeast from the site on Wigan Road.

3.7 Waste Operations and Installations

There are four historic waste sites identified within the vicinity of the site:

1 Arm Construction, Waste Transfer Station, 51m North;

2 UK Support Centre, Waste Transfer Station for waste, domestic and commercial furniture 259m Southwest;

3 Scrap Yard, 323m Southwest; and

4 Refuse Destructor, 387m North.

Atherton Motor Cycles located 210m SW of the site is a currently operational Metal Recycling Site (Vehicle Dismantler) regulated under Permit EPR/PP3592CY with a throughput of 25,000tpa.

Gadbury Auto Salvage is also a Vehicle Dismantler, located 377m southwest of the site, it has an annual tonnage of 1,050tonnes and is operated under EPR/LP3594CY by Ian Barton.

There are 29 registered waste exemptions within 500m of the site. The closest of these are listed in Table 2 below.

Table 2 - Summary of Waste Exemptions

Site Name	Reference	Exemption Type	Distance and Direction
No Details	EPR/LE5840KS /A001	Using waste Exemption - Mulch	39m NW
Unit 10, Coal Pit Lane	WEX366678	Treating waste Exemption (manual treatment and preparatory treatment)	136m SW
3, Gibfield Park Avenue	WEX334867	Storing waste exemption	289m N
273, North Road	WEX280711	Using and treating waste exemptions	374m N
Unit 4 Bag Lane	WEX150507	Storing and treating waste exemption	391m E
Former Howe Bridge Mils	WEX081970	Using and treating waste exemptions	446m E

3.8 Pollution Prevention Measures

The site will be managed in line with the EMS system and ISO 14001.

All staff working at the site have been provided with training appropriate to their role and have a responsibility for their part in health and safety and environmental awareness and pollution control.

Strict waste acceptance procedures are in place at the site as detailed in the Operating Techniques.

Measures to reduce the impacts from fugitive emissions include:

- daily inspections;
- good housekeeping measures;
- strict waste acceptance procedures;
- sheeted vehicles to transport potentially dusty material.

All mobile plant will be operated on an area of hardstanding and stored inside when the site is not operational. All waste is stored within the building on an impermeable concrete surface with the exception of batteries that are stored in a secure, watertight shipping container.

3.9 Pollution Incidents

The EnviroCheck shows that there have been seven recorded pollution incidents within 500m of the site. These are summarised below.

- Land Impact, minor incident (Category 3) 71m northwest of the site in 2002 related to Inert Materials and Wastes.
- Air and Land Impact (Category 3) 79m north of the site in 2001 related to Household Waste materials.
- No Impact (Category 4) 98m west of the site in 2002 related to Gas and Fuel Oils.
- Air and Land Impact (Category 3) 150m north of the site in 2002 related to commercial waste.
- Air and Land Impact (Category 3) 168m northeast of the site in 2002 related to Fumes (reported twice).
- Air and Land Impact (Category 3) 227m west of the site in 2001 related to waste materials.
- Land Impact, minor incident (Category 3) 420m southeast of the site in 2001 related to Other Inert Material or Waste.

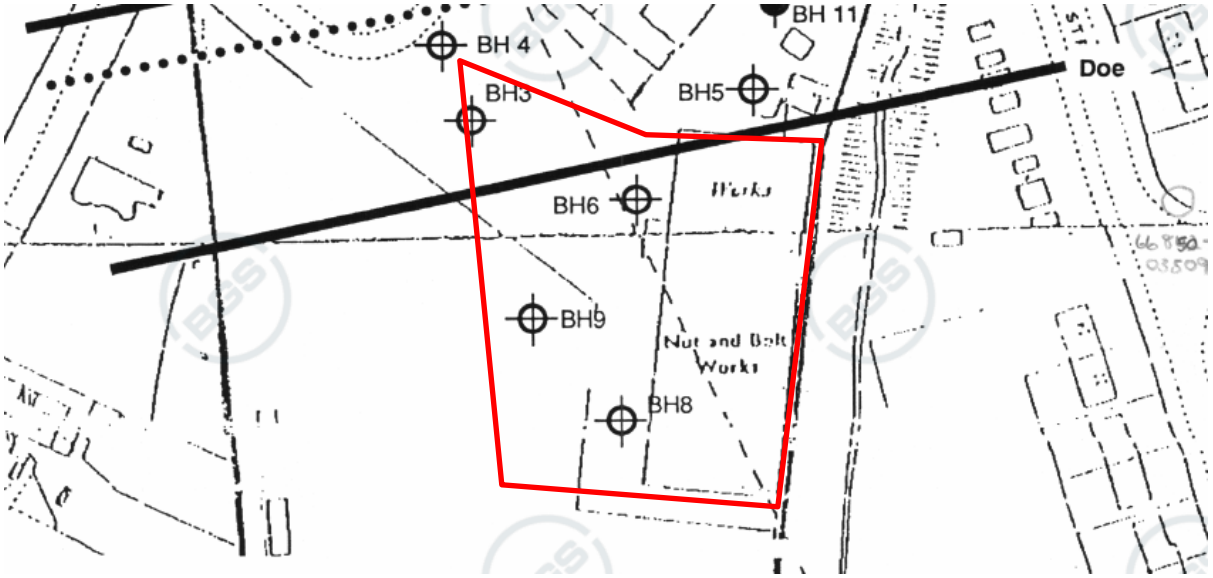
3.10 Historical Contamination

There is no reported historical contamination on site within the GroundSure Report

There are a series of boreholes drilled on the site as part of an investigation into coal seam outcrops by Manchester Geotechnical in 1991. Three boreholes are located directly under the site’s hardstanding and provide information on the underlying ground.

Ashes and bricks were identified in Borehole 9 (BGS reference: SD60SE313) underlying the concrete whiles undescribed fill (made ground) was reported in BH6 (BGS reference: SD60SE311) and BH8 (BGS reference: SD60SE312) up to approximately half a meter in thickness.

Figure 4 – BGS Borehole Location Drawing



3.11 Background Soil Chemistry

The background soil data supplied by GroundSure (Appendix 1) for the site is derived from topsoil testing and stream sediment data. The stream sediment data are converted to soil-equivalent concentrations prior to the estimation. The estimated values provide the likely background concentration of Arsenic, Cadmium, Chromium, Lead and Nickel.

The estimated background soil chemistry for the site is:

- Arsenic 15-25mg/kg;
- Lead 100/kg;
- Cadmium 1.8mg/kg;
- Chromium 60-90mg/kg;
- Nickel 15-30mg/kg.

No new site investigation has been carried out as the site is currently operational and the building and yard benefits from an impermeable concrete surface. Any intrusive investigation works would damage the integrity of the flooring and create a potential pollution pathway to the underlying ground.

4.0 Statement of Condition

The site is located on a previous industrial works which is a potential source of contamination, there are also several potentially contaminative land uses around the perimeter of the site, including waste operations, exemptions and vehicle repair/ dismantlers.

Waste treatment and waste bay storage will all be contained within the building benefitting from impermeable flooring and closing doors. Proposed activities are not likely to cause any

environmental harm to the area. Any waste stored outside will be in appropriately sealed containers or skips.

The site is currently operational under a series of Exemptions and a Regulatory Position Statement, there have been no recorded pollution incidents in this time and no evidence of any negative effects on the surrounding environment. As the operations proposed for this environmental permit are just a continuation of current site activities it is deemed there is no increased risk presented by the site.

Wardell Armstrong LLP

Arabella Sharrock
Principal Waste Permitting Consultant

Charles Ridell
Technical Director

Appendix 1 GroundSure EnviroCheck Report

Site Condition Report

Unit J Prestwich Industrial Estate

KAS Metal Trading Limited

11 August 2025

Groundsure
LOCATION INTELLIGENCE

Enviro+Geo Insight

Unit J Prestwich Industrial Estate, Coal Pit Lane, Atherton

Order Details

Date: 22/10/2024

Your ref: NT17007

Our Ref: GSWA1-PHI-R9A-EVF-RN5

Site Details

Location: 366752 403491

Area: 0.38 ha

Authority: Wigan Council ↗

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

Certified B Corporation

Summary of findings

Page	Section	Past land use >	On site	0-50m	50-250m	250-500m	500-2000m
15 >	1.1 >	Historical industrial land uses >	5	4	56	54	-
20 >	1.2 >	Historical tanks >	0	1	29	24	-
22 >	1.3 >	Historical energy features >	0	0	6	12	-
23	1.4	Historical petrol stations	0	0	0	0	-
23 >	1.5 >	Historical garages >	0	0	2	8	-
24	1.6	Historical military land	0	0	0	0	-
Page	Section	Past land use - un-grouped >	On site	0-50m	50-250m	250-500m	500-2000m
25 >	2.1 >	Historical industrial land uses >	7	4	75	76	-
31 >	2.2 >	Historical tanks >	0	1	40	43	-
35 >	2.3 >	Historical energy features >	0	0	10	20	-
36	2.4	Historical petrol stations	0	0	0	0	-
36 >	2.5 >	Historical garages >	0	0	2	17	-
Page	Section	Waste and landfill >	On site	0-50m	50-250m	250-500m	500-2000m
38	3.1	Active or recent landfill	0	0	0	0	-
38	3.2	Historical landfill (BGS records)	0	0	0	0	-
39	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
39	3.4	Historical landfill (EA/NRW records)	0	0	0	0	-
39 >	3.5 >	Historical waste sites >	0	0	1	4	-
40 >	3.6 >	Licensed waste sites >	0	0	1	1	-
41 >	3.7 >	Waste exemptions >	0	1	13	15	-
Page	Section	Current industrial land use >	On site	0-50m	50-250m	250-500m	500-2000m
44 >	4.1 >	Recent industrial land uses >	1	3	29	-	-
47 >	4.2 >	Current or recent petrol stations >	0	0	1	2	-
47	4.3	Electricity cables	0	0	0	0	-
47	4.4	Gas pipelines	0	0	0	0	-
47	4.5	Sites determined as Contaminated Land	0	0	0	0	-

48	4.6	Control of Major Accident Hazards (COMAH)	0	0	0	0	-
48	4.7	Regulated explosive sites	0	0	0	0	-
48	4.8	Hazardous substance storage/usage	0	0	0	0	-
48	4.9	Historical licensed industrial activities (IPC)	0	0	0	0	-
48	4.10	Licensed industrial activities (Part A(1))	0	0	0	0	-
49 >	**4.11 >**	**Licensed pollutant release (Part A(2)/B) >**	0	0	2	0	-
49	4.12	Radioactive Substance Authorisations	0	0	0	0	-
49 >	**4.13 >**	**Licensed Discharges to controlled waters >**	0	0	4	5	-
51	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
51	4.15	Pollutant release to public sewer	0	0	0	0	-
51	4.16	List 1 Dangerous Substances	0	0	0	0	-
51	4.17	List 2 Dangerous Substances	0	0	0	0	-
52 >	**4.18 >**	**Pollution Incidents (EA/NRW) >**	0	0	7	1	-
53	4.19	Pollution inventory substances	0	0	0	0	-
53	4.20	Pollution inventory waste transfers	0	0	0	0	-
53	4.21	Pollution inventory radioactive waste	0	0	0	0	-

Page	Section	**Hydrogeology >**	On site	0-50m	50-250m	250-500m	500-2000m
54 >	**5.1 >**	**Superficial aquifer >**	Identified (within 500m)				
55 >	**5.2 >**	**Bedrock aquifer >**	Identified (within 500m)				
56 >	**5.3 >**	**Groundwater vulnerability >**	Identified (within 50m)				
57	5.4	Groundwater vulnerability- soluble rock risk	None (within 0m)				
57	5.5	Groundwater vulnerability- local information	None (within 0m)				
58	5.6	Groundwater abstractions	0	0	0	0	0
59 >	**5.7 >**	**Surface water abstractions >**	0	0	0	0	1
59	5.8	Potable abstractions	0	0	0	0	0
59	5.9	Source Protection Zones	0	0	0	0	-
60	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-

Page	Section	**Hydrology >**	On site	0-50m	50-250m	250-500m	500-2000m
61 >	**6.1 >**	**Water Network (OS MasterMap) >**	0	4	5	-	-

62 >	6.2 >	Surface water features >	0	1	2	-	-
63 >	6.3 >	WFD Surface water body catchments >	1	-	-	-	-
63 >	6.4 >	WFD Surface water bodies >	0	0	0	-	-
63 >	6.5 >	WFD Groundwater bodies >	1	-	-	-	-
Page	Section	River and coastal flooding >	On site	0-50m	50-250m	250-500m	500-2000m
65 >	7.1 >	Risk of flooding from rivers and the sea >	High (within 50m)				
66	7.2	Historical Flood Events	0	0	0	-	-
66	7.3	Flood Defences	0	0	0	-	-
66	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
66	7.5	Flood Storage Areas	0	0	0	-	-
67 >	7.6 >	Flood Zone 2 >	Identified (within 50m)				
68 >	7.7 >	Flood Zone 3 >	Identified (within 50m)				
Page	Section	Surface water flooding >					
69 >	8.1 >	Surface water flooding >	1 in 30 year, Greater than 1.0m (within 50m)				
Page	Section	Groundwater flooding >					
71 >	9.1 >	Groundwater flooding >	Low (within 50m)				
Page	Section	Environmental designations >	On site	0-50m	50-250m	250-500m	500-2000m
72	10.1	Sites of Special Scientific Interest (SSSI)	0	0	0	0	0
73	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
73	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
73	10.4	Special Protection Areas (SPA)	0	0	0	0	0
73	10.5	National Nature Reserves (NNR)	0	0	0	0	0
74 >	10.6 >	Local Nature Reserves (LNR) >	0	0	0	0	3
74 >	10.7 >	Designated Ancient Woodland >	0	0	0	0	2
74	10.8	Biosphere Reserves	0	0	0	0	0
75	10.9	Forest Parks	0	0	0	0	0
75	10.10	Marine Conservation Zones	0	0	0	0	0
75 >	10.11 >	Green Belt >	0	0	1	0	3
75	10.12	Proposed Ramsar sites	0	0	0	0	0

76	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
76	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
76	10.15	Nitrate Sensitive Areas	0	0	0	0	0
76 >	**10.16 >**	**Nitrate Vulnerable Zones >**	1	0	0	0	0
78 >	**10.17 >**	**SSSI Impact Risk Zones >**	1	-	-	-	-
79	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
80	11.1	World Heritage Sites	0	0	0	-	-
80	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
80	11.3	National Parks	0	0	0	-	-
80	11.4	Listed Buildings	0	0	0	-	-
81	11.5	Conservation Areas	0	0	0	-	-
81	11.6	Scheduled Ancient Monuments	0	0	0	-	-
81	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	**Agricultural designations >**	On site	0-50m	50-250m	250-500m	500-2000m
82 >	**12.1 >**	**Agricultural Land Classification >**	Grade 3 (within 250m)				
83	12.2	Open Access Land	0	0	0	-	-
83	12.3	Tree Felling Licences	0	0	0	-	-
83	12.4	Environmental Stewardship Schemes	0	0	0	-	-
83	12.5	Countryside Stewardship Schemes	0	0	0	-	-
Page	Section	Habitat designations	On site	0-50m	50-250m	250-500m	500-2000m
84	13.1	Priority Habitat Inventory	0	0	0	-	-
84	13.2	Habitat Networks	0	0	0	-	-
84	13.3	Open Mosaic Habitat	0	0	0	-	-
84	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
85 >	**14.1 >**	**10k Availability >**	Identified (within 500m)				
86	14.2	Artificial and made ground (10k)	0	0	0	0	-
87	14.3	Superficial geology (10k)	0	0	0	0	-

87	14.4	Landslip (10k)	0	0	0	0	-
88 >	14.5 >	Bedrock geology (10k) >	1	1	3	9	-
89 >	14.6 >	Bedrock faults and other linear features (10k) >	0	2	3	5	-
Page	Section	Geology 1:50,000 scale >	On site	0-50m	50-250m	250-500m	500-2000m
91 >	15.1 >	50k Availability >	Identified (within 500m)				
92 >	15.2 >	Artificial and made ground (50k) >	0	0	1	0	-
93	15.3	Artificial ground permeability (50k)	0	0	-	-	-
94 >	15.4 >	Superficial geology (50k) >	1	0	0	0	-
95 >	15.5 >	Superficial permeability (50k) >	Identified (within 50m)				
95	15.6	Landslip (50k)	0	0	0	0	-
95	15.7	Landslip permeability (50k)	None (within 50m)				
96 >	15.8 >	Bedrock geology (50k) >	1	0	1	7	-
97 >	15.9 >	Bedrock permeability (50k) >	Identified (within 50m)				
97 >	15.10 >	Bedrock faults and other linear features (50k) >	0	1	2	6	-
Page	Section	Boreholes >	On site	0-50m	50-250m	250-500m	500-2000m
99 >	16.1 >	BGS Boreholes >	3	10	16	-	-
Page	Section	Natural ground subsidence >					
101 >	17.1 >	Shrink swell clays >	Very low (within 50m)				
102 >	17.2 >	Running sands >	Very low (within 50m)				
104 >	17.3 >	Compressible deposits >	Negligible (within 50m)				
105 >	17.4 >	Collapsible deposits >	Very low (within 50m)				
106 >	17.5 >	Landslides >	Low (within 50m)				
108 >	17.6 >	Ground dissolution of soluble rocks >	Negligible (within 50m)				
Page	Section	Mining and ground workings >	On site	0-50m	50-250m	250-500m	500-2000m
110 >	18.1 >	BritPits >	0	0	1	2	-
111 >	18.2 >	Surface ground workings >	0	3	48	-	-
113 >	18.3 >	Underground workings >	0	0	5	0	1
114	18.4	Underground mining extents	0	0	0	0	-
114 >	18.5 >	Historical Mineral Planning Areas >	0	0	1	1	-

114	18.6	Non-coal mining	0	0	0	0	0
115 >	**18.7 >**	**JPB mining areas >**	Identified (within 0m)				
115	18.8	The Coal Authority non-coal mining	0	0	0	0	-
115	18.9	Researched mining	0	0	0	0	-
116	18.10	Mining record office plans	0	0	0	0	-
116	18.11	BGS mine plans	0	0	0	0	-
116 >	**18.12 >**	**Coal mining >**	Identified (within 0m)				
116	18.13	Brine areas	None (within 0m)				
117	18.14	Gypsum areas	None (within 0m)				
117	18.15	Tin mining	None (within 0m)				
117	18.16	Clay mining	None (within 0m)				
Page	Section	Ground cavities and sinkholes	On site	0-50m	50-250m	250-500m	500-2000m
118	19.1	Natural cavities	0	0	0	0	-
118	19.2	Mining cavities	0	0	0	0	0
118	19.3	Reported recent incidents	0	0	0	0	-
118	19.4	Historical incidents	0	0	0	0	-
119	19.5	National karst database	0	0	0	0	-
Page	Section	**Radon >**					
120 >	**20.1 >**	**Radon >**	Less than 1% (within 0m)				
Page	Section	**Soil chemistry >**	On site	0-50m	50-250m	250-500m	500-2000m
122 >	**21.1 >**	**BGS Estimated Background Soil Chemistry >**	3	0	-	-	-
122	21.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
122	21.3	BGS Measured Urban Soil Chemistry	0	0	-	-	-
Page	Section	**Railway infrastructure and projects >**	On site	0-50m	50-250m	250-500m	500-2000m
123	22.1	Underground railways (London)	0	0	0	-	-
123	22.2	Underground railways (Non-London)	0	0	0	-	-
124	22.3	Railway tunnels	0	0	0	-	-
124 >	**22.4 >**	**Historical railway and tunnel features >**	0	0	25	-	-
125	22.5	Royal Mail tunnels	0	0	0	-	-

125 >	22.6 >	Historical railways >	0	0	2	-	-
126	22.7	Railways	0	0	0	-	-
126	22.8	Crossrail 1	0	0	0	0	-
126	22.9	Crossrail 2	0	0	0	0	-
126	22.10	HS2	0	0	0	0	-

Recent aerial photograph

Capture Date: 20/05/2023

Site Area: 0.38ha

Recent site history - 2022 aerial photograph

Capture Date: 18/10/2022

Site Area: 0.38ha

Recent site history - 2015 aerial photograph

Capture Date: 11/06/2015

Site Area: 0.38ha

Recent site history - 2011 aerial photograph

Capture Date: 01/05/2011

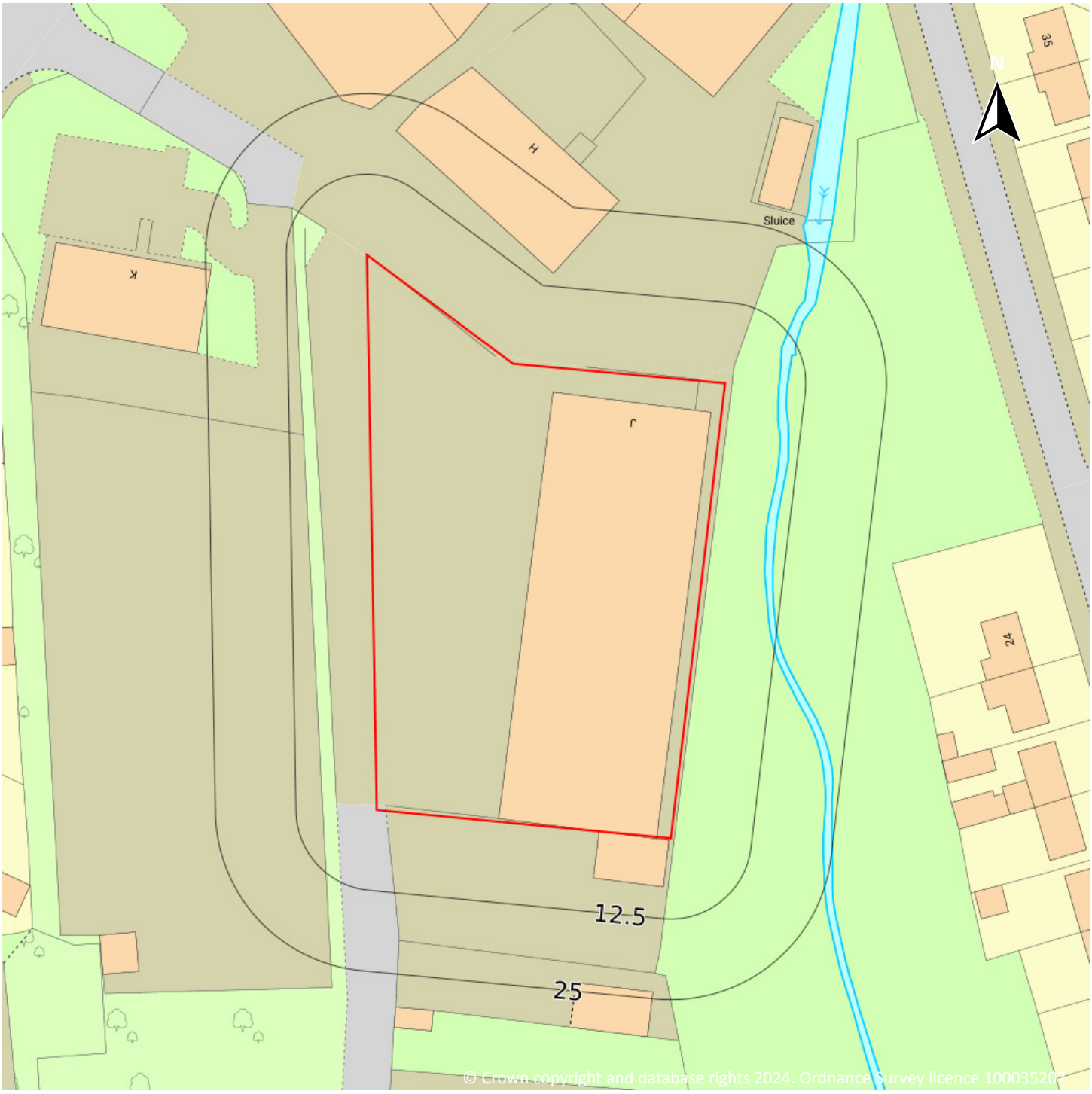
Site Area: 0.38ha

Recent site history - 2000 aerial photograph

Capture Date: 04/09/2000

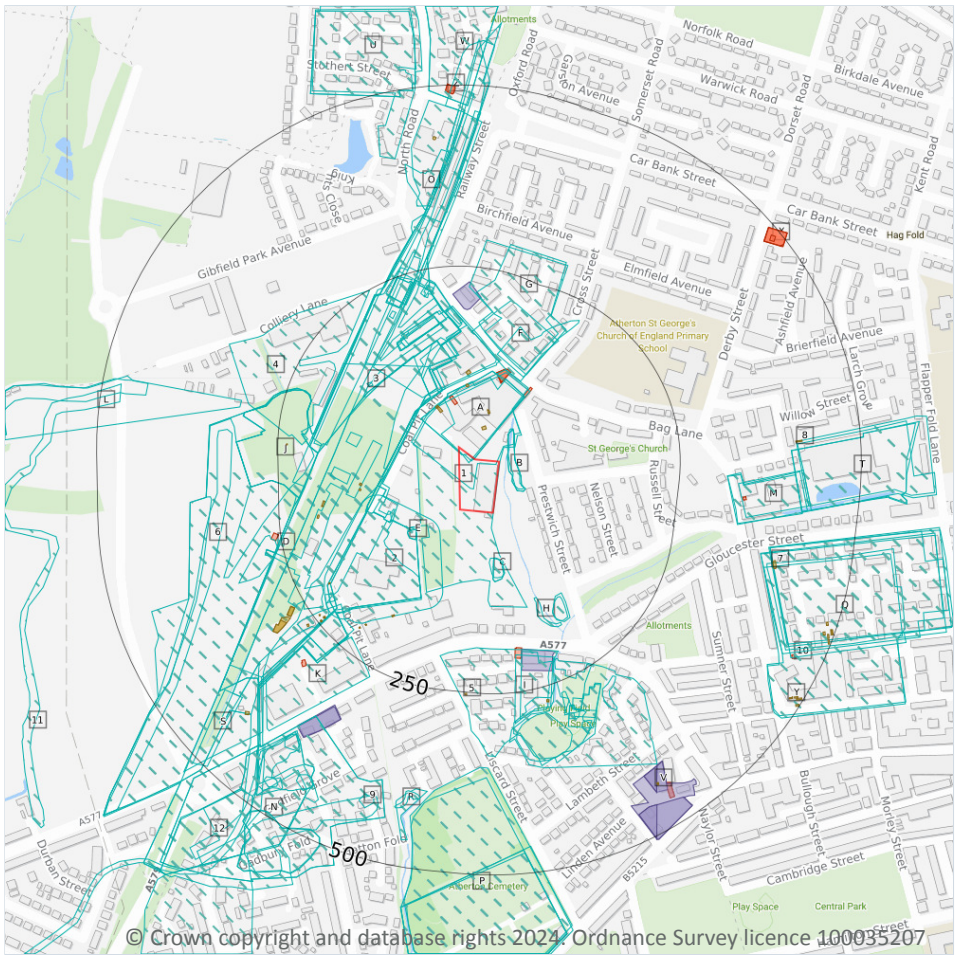
Site Area: 0.38ha

OS MasterMap site plan



Site Area: 0.38ha

1 Past land use



1.1 Historical industrial land uses

Records within 500m	119

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

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

ID	Location	Land use	Dates present	Group ID
1	**On site**	**Unspecified Works**	**1987**	**716269**

ID	Location	Land use	Dates present	Group ID
A	**On site**	**Screw Bolt Works**	**1907 - 1927**	**714459**
A	**On site**	**Unspecified Works**	**1966 - 1974**	**763773**
A	**On site**	**Screw Bolt Works**	**1948**	**768907**
A	**On site**	**Screw Bolt Works**	**1938**	**799138**
B	12m NE	Refuse Heap	1948	712207
B	12m NE	Refuse Heap	1927	759843
B	14m NE	Refuse Heap	1938	785098
2	38m SW	Unspecified Mine	1966	665712
C	63m S	Unspecified Pit	1938	766748
C	63m S	Unspecified Pit	1927	725305
C	63m S	Unspecified Pit	1948	795390
D	65m SW	Collieries	1938	768852
D	65m SW	Railway Sidings	1938	781687
D	65m SW	Collieries	1907 - 1927	708228
E	66m SW	Unspecified Heap	1938 - 1948	711184
E	67m SW	Unspecified Heap	1927	710353
D	72m NW	Colliery	1892	711340
D	73m NW	Colliery	1956	749410
D	73m NW	Railway Sidings	1956 - 1966	757180
D	76m NW	Railway Sidings	1948	707385
D	76m NW	Railway Sidings	1907 - 1927	708927
D	76m NW	Collieries	1948	778211
A	82m NW	Unspecified Works	1974 - 1987	803605
A	84m NW	Unspecified Works	1966	803823
D	95m NW	Railway Sidings	1892	716582
D	106m W	Railway Buildings	1966	657749
F	115m NE	Screw Bolt Works	1907 - 1948	803278
F	122m NE	Screw Bolt Works	1892	755719

ID	Location	Land use	Dates present	Group ID
G	126m NE	Unspecified Works	1987	723669
H	131m SE	Unspecified Pit	1948	675143
G	131m N	Unspecified Works	1966 - 1974	803133
D	135m W	Railway Building	1966	702454
H	144m SE	Refuse Heap	1948	802163
3	146m NW	Railway Building	1927	702459
H	147m SE	Refuse Heap	1927 - 1938	743349
D	150m W	Railway Building	1966	702453
A	155m NW	Goods Shed	1938	753333
A	156m NW	Railway Buildings	1892	657750
A	156m NW	Goods Shed	1948	735375
A	156m NW	Goods Shed	1907 - 1927	742684
A	159m NW	Railway Building	1956	702457
D	161m W	Railway Building	1966	702455
A	164m NW	Railway Station	1892	751428
A	166m NW	Railway Sidings	1892	738538
A	170m N	Railway Building	1956	702458
I	188m S	Unspecified Works	1966	683032
J	195m W	Field Works	1948	680670
I	196m S	Bolt Works	1892	789348
I	199m S	Bolt Works	1907 - 1948	765049
4	199m NW	Unspecified Works	1966 - 1987	715753
A	200m NW	Railway Building	1927 - 1948	729405
A	209m NW	Railway Station	1938	709218
A	209m NW	Railway Station	1907 - 1927	791605
A	209m NW	Railway Station	1948	794008
A	210m N	Railway Station	1956	777496
D	210m SW	Unspecified Depot	1987	669472

ID	Location	Land use	Dates present	Group ID
D	210m SW	Railway Building	1966	702456
A	210m N	Railway Station	1966	772308
A	211m N	Railway Building	1892	764103
A	213m N	Railway Building	1927	782510
A	217m N	Railway Building	1956	803254
I	219m SE	Brick Works	1907	666142
K	231m SW	Unspecified Works	1987	682979
I	243m S	Unspecified Pit	1956	767325
D	257m W	Refuse Heap	1956	655782
I	265m SE	Unspecified Ground Workings	1907	660513
I	274m SE	Unspecified Foundry	1927	765530
I	275m SE	Unspecified Foundry	1948	753066
I	279m SE	Unspecified Ground Workings	1907	660545
I	285m S	Unspecified Pit	1907	708489
L	307m W	Unspecified Heap	1956	727633
6	314m W	Refuse Heap	1938	655785
I	314m SE	Unspecified Pit	1948	715524
M	316m E	Screw Bolt Works	1892 - 1907	738679
M	316m E	Screw Bolt Works	1927	741321
O	331m N	Unspecified Mill	1892	673293
M	332m E	Unspecified Works	1974 - 1987	717021
O	336m N	Unspecified Works	1966 - 1987	748590
N	348m SW	Unspecified Works	1966	682978
N	348m SW	Brick Works	1956	762281
P	352m S	Cemetery	1956 - 1987	749176
P	366m S	Cemetery	1948	770984
Q	374m E	Spinning Mills	1938 - 1948	746762
Q	374m E	Spinning Mills	1927	793769

ID	Location	Land use	Dates present	Group ID
N	379m SW	Brick Works	1927 - 1938	774804
Q	381m E	Spring Mills	1907	685526
N	382m SW	Clay Pits	1927 - 1938	753565
N	384m SW	Refuse Heap	1927	770239
Q	384m E	Spinning Mills	1956	720359
N	384m SW	Refuse Heap	1948	721607
Q	385m E	Spinning Mills	1892	773268
Q	385m E	Unspecified Mills	1974 - 1987	716077
Q	385m E	Unspecified Mills	1966	721354
R	390m S	Unspecified Heap	1956	687926
R	395m S	Unspecified Ground Workings	1927	660384
S	397m SW	Cuttings	1892	652914
T	404m E	Unspecified Mill	1938	779350
T	404m E	Unspecified Mill	1927	787470
U	408m N	Unspecified Works	1938	792529
T	411m E	Unspecified Mill	1956 - 1966	741744
T	413m E	Unspecified Mill	1974 - 1987	745230
N	413m S	Clay Pit	1948	678595
9	414m S	Refuse Heap	1956	655783
N	421m SW	Railway Sidings	1966	728023
N	423m SW	Refuse Heap	1956	655784
L	438m W	Unspecified Heap	1966 - 1987	782824
N	451m SW	Refuse Heap	1956	778058
P	463m S	Cemetery	1892	778435
P	468m S	Cemetery	1938	747964
P	472m S	Cemetery	1907 - 1927	751776
W	472m N	Iron Works	1956	655398
W	472m N	Unspecified Works	1966 - 1987	804453

ID	Location	Land use	Dates present	Group ID
11	472m W	Unspecified Ground Workings	1948 - 1956	768874
N	487m SW	Unspecified Pit	1956	770658
N	488m SW	Unspecified Ground Workings	1966	660383
12	488m SW	Brick Works	1948	728434
U	491m N	Unspecified Works	1927	750075
U	491m N	Unspecified Works	1948 - 1987	797611

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m	**54**

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

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

ID	Location	Land use	Dates present	Group ID
A	39m N	Unspecified Tank	1936	85229
A	54m NW	Unspecified Tank	1952	98479
A	62m N	Unspecified Tank	1952	104543
A	62m NW	Unspecified Tank	1952	102572
A	84m N	Tanks	1952	81151
A	101m N	Tanks	1952	95591
D	135m W	Tanks	1952 - 1966	105071
D	136m W	Tanks	1952	81152
D	171m SW	Unspecified Tank	1952 - 1970	94224
D	186m W	Unspecified Tank	1952 - 1966	93313
D	195m W	Tanks	1952 - 1966	103710
D	205m SW	Unspecified Tank	1952	94279

ID	Location	Land use	Dates present	Group ID
D	205m SW	Unspecified Tank	1966	100881
D	205m SW	Unspecified Tank	1970	96660
D	205m SW	Unspecified Tank	1952	98919
D	206m SW	Unspecified Tank	1966	91757
D	206m SW	Unspecified Tank	1952	105263
D	206m SW	Unspecified Tank	1952	106475
D	213m SW	Unspecified Tank	1970	92124
D	213m SW	Unspecified Tank	1952	100519
D	213m SW	Unspecified Tank	1952	93357
D	213m SW	Unspecified Tank	1966	99855
J	237m W	Unspecified Tank	1936	85230
D	238m SW	Tanks	1952	92941
D	238m SW	Tanks	1966	101252
D	238m SW	Tanks	1952	106829
D	241m SW	Tanks	1952 - 1966	92631
D	245m SW	Unspecified Tank	1966	85232
D	245m SW	Tanks	1952	102552
D	245m SW	Tanks	1952	98846
5	251m S	Unspecified Tank	1894	85228
D	262m SW	Unspecified Tank	1952 - 1966	98563
D	265m SW	Unspecified Tank	1952	97767
D	266m SW	Unspecified Tank	1952 - 1966	97335
I	269m S	Unspecified Tank	1952 - 1966	107195
D	278m SW	Tanks	1952	105267
D	286m SW	Tanks	1952 - 1966	106586
7	392m E	Unspecified Tank	1978 - 1993	105348
S	403m SW	Unspecified Tank	1987 - 1992	95181
8	410m E	Unspecified Tank	1952	104413

ID	Location	Land use	Dates present	Group ID
O	426m N	Unspecified Tank	1908	86547
V	436m SE	Unspecified Tank	1952	96112
V	436m SE	Unspecified Tank	1952	99373
V	436m SE	Unspecified Tank	1966	104040
Y	482m SE	Unspecified Tank	1952 - 1966	101021
Q	484m E	Unspecified Tank	1952 - 1966	105773
Q	484m SE	Unspecified Tank	1936	88707
Y	487m SE	Unspecified Tank	1952 - 1966	106784
Q	491m SE	Unspecified Tank	1928	88714
Y	491m SE	Unspecified Tank	1952 - 1966	103471
Q	493m SE	Unspecified Tank	1952	92294
Q	494m SE	Unspecified Tank	1952 - 1966	107273
Q	495m SE	Unspecified Tank	1936	83957
Y	495m SE	Unspecified Tank	1928 - 1936	107995

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m	**18**

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

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

ID	Location	Land use	Dates present	Group ID
A	59m N	Electricity Substation	1993	48012
A	95m NE	Electricity Substation	1952	59794
A	106m N	Electricity Substation	1952	57256
A	106m N	Electricity Substation	1993	53789

ID	Location	Land use	Dates present	Group ID
A	107m N	Electricity Substation	1952	63536
I	189m S	Electricity Substation	1970 - 1996	52646
D	253m W	Electricity Substation	1952	61629
K	298m SW	Electricity Substation	1988 - 1996	53902
M	340m E	Electricity Substation	1972 - 1993	58858
V	442m SE	Electricity Substation	1978 - 1993	54022
V	444m SE	Electricity Substation	1972	52329
10	457m SE	Electricity Substation	1993	48005
X	476m NE	Electricity Substation	1952	53766
X	476m NE	Electricity Substation	1952	63658
X	476m NE	Electricity Substation	1972	50349
X	483m NE	Electricity Substation	1991	57977
Z	488m N	Electricity Substation	1973 - 1993	54204
Z	488m N	Electricity Substation	1952 - 1954	55817

This data is sourced from Ordnance Survey / Groundsure.

1.4 Historical petrol stations

Records within 500m	0

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

This data is sourced from Ordnance Survey / Groundsure.

1.5 Historical garages

Records within 500m	10

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

grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

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

ID	Location	Land use	Dates present	Group ID
A	190m N	Garage	1993	15956
I	192m S	Garage	1996	15952
N	320m SW	Garage	1993 - 1996	17753
N	323m SW	Garage	1988	19617
V	415m SE	Garage	1993	20188
V	415m SE	Garage	1970 - 1988	21126
V	416m SE	Garage	1996	16670
V	416m SE	Garage	1993	20066
V	460m SE	Garage	1993	19355
V	460m SE	Garage	1996	20958

This data is sourced from Ordnance Survey / Groundsure.

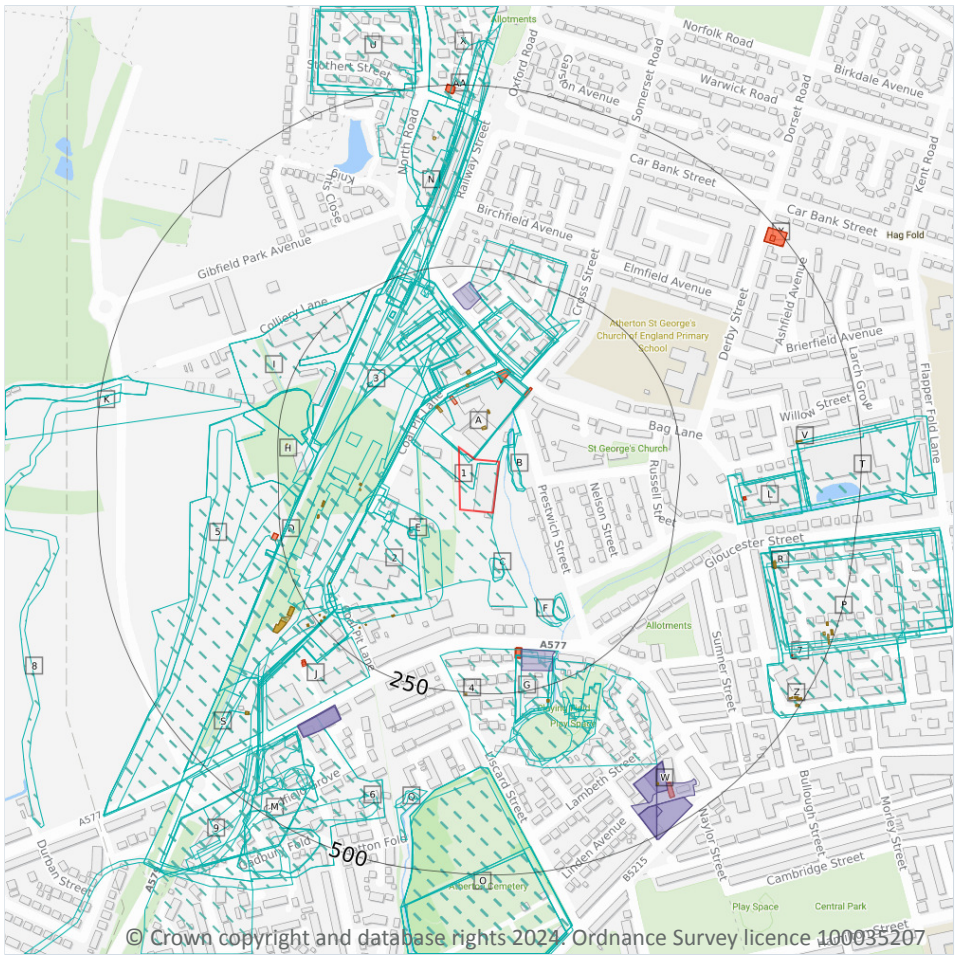
1.6 Historical military land

Records within 500m	**0**

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

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

2 Past land use - un-grouped



2.1 Historical industrial land uses

Records within 500m	162

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 25 >**

ID	Location	Land Use	Date	Group ID
1	**On site**	**Unspecified Works**	**1987**	**716269**
A	**On site**	**Unspecified Works**	**1966**	**763773**
A	**On site**	**Unspecified Works**	**1974**	**763773**

ID	Location	Land Use	Date	Group ID
A	**On site**	**Screw Bolt Works**	**1938**	**799138**
A	**On site**	**Screw Bolt Works**	**1948**	**768907**
A	**On site**	**Screw Bolt Works**	**1927**	**714459**
A	**On site**	**Screw Bolt Works**	**1907**	**714459**
B	12m NE	Refuse Heap	1948	712207
B	12m NE	Refuse Heap	1927	759843
B	14m NE	Refuse Heap	1938	785098
2	38m SW	Unspecified Mine	1966	665712
C	63m S	Unspecified Pit	1938	766748
C	63m S	Unspecified Pit	1948	795390
C	63m S	Unspecified Pit	1927	725305
D	65m SW	Railway Sidings	1938	781687
D	65m SW	Collieries	1938	768852
D	65m SW	Collieries	1927	708228
E	66m SW	Unspecified Heap	1938	711184
E	67m SW	Unspecified Heap	1927	710353
E	68m SW	Unspecified Heap	1948	711184
D	72m NW	Colliery	1892	711340
D	73m NW	Railway Sidings	1966	757180
D	73m NW	Railway Sidings	1956	757180
D	73m NW	Colliery	1956	749410
D	76m NW	Railway Sidings	1948	707385
D	76m NW	Collieries	1948	778211
D	76m NW	Railway Sidings	1907	708927
D	76m NW	Collieries	1907	708228
A	82m NW	Unspecified Works	1987	803605
D	83m NW	Railway Sidings	1927	708927
A	84m NW	Unspecified Works	1966	803823

ID	Location	Land Use	Date	Group ID
A	85m N	Unspecified Works	1974	803605
D	95m NW	Railway Sidings	1892	716582
D	106m W	Railway Buildings	1966	657749
A	115m NE	Screw Bolt Works	1927	803278
A	115m NE	Screw Bolt Works	1907	803278
A	119m NE	Screw Bolt Works	1938	803278
A	119m NE	Screw Bolt Works	1948	803278
A	122m NE	Screw Bolt Works	1892	755719
A	126m NE	Unspecified Works	1987	723669
F	131m SE	Unspecified Pit	1948	675143
A	131m N	Unspecified Works	1966	803133
A	131m N	Unspecified Works	1974	803133
D	135m W	Railway Building	1966	702454
F	144m SE	Refuse Heap	1948	802163
3	146m NW	Railway Building	1927	702459
F	147m SE	Refuse Heap	1927	743349
F	147m SE	Refuse Heap	1938	743349
D	150m W	Railway Building	1966	702453
A	155m NW	Goods Shed	1938	753333
A	156m NW	Railway Buildings	1892	657750
A	156m NW	Goods Shed	1948	735375
A	156m NW	Goods Shed	1927	742684
A	156m NW	Goods Shed	1907	742684
A	159m NW	Railway Building	1956	702457
D	161m W	Railway Building	1966	702455
A	164m NW	Railway Station	1892	751428
A	166m NW	Railway Sidings	1892	738538
A	170m N	Railway Building	1956	702458

ID	Location	Land Use	Date	Group ID
G	188m S	Unspecified Works	1966	683032
H	195m W	Field Works	1948	680670
G	196m S	Bolt Works	1892	789348
G	199m S	Bolt Works	1938	765049
I	199m NW	Unspecified Works	1966	715753
I	199m NW	Unspecified Works	1974	715753
I	199m NW	Unspecified Works	1987	715753
A	200m NW	Railway Building	1927	729405
G	200m S	Bolt Works	1948	765049
G	200m S	Bolt Works	1927	765049
G	200m S	Bolt Works	1907	765049
A	201m NW	Railway Building	1938	729405
A	201m NW	Railway Building	1948	729405
A	209m NW	Railway Station	1938	709218
A	209m NW	Railway Station	1948	794008
A	209m NW	Railway Station	1927	791605
A	209m NW	Railway Station	1907	791605
A	210m N	Railway Station	1956	777496
D	210m SW	Unspecified Depot	1987	669472
D	210m SW	Railway Building	1966	702456
A	210m N	Railway Station	1966	772308
A	211m N	Railway Building	1892	764103
A	213m N	Railway Building	1927	782510
A	217m N	Railway Building	1956	803254
G	219m SE	Brick Works	1907	666142
J	231m SW	Unspecified Works	1987	682979
G	243m S	Unspecified Pit	1956	767325
D	257m W	Refuse Heap	1956	655782

ID	Location	Land Use	Date	Group ID
G	265m SE	Unspecified Ground Workings	1907	660513
G	274m SE	Unspecified Foundry	1927	765530
G	275m SE	Unspecified Foundry	1948	753066
G	279m SE	Unspecified Ground Workings	1907	660545
G	285m S	Unspecified Pit	1907	708489
K	307m W	Unspecified Heap	1956	727633
5	314m W	Refuse Heap	1938	655785
G	314m SE	Unspecified Pit	1948	715524
L	316m E	Screw Bolt Works	1907	738679
L	316m E	Screw Bolt Works	1927	741321
L	327m E	Screw Bolt Works	1892	738679
N	331m N	Unspecified Mill	1892	673293
L	332m E	Unspecified Works	1974	717021
L	332m E	Unspecified Works	1987	717021
N	336m N	Unspecified Works	1966	748590
N	336m N	Unspecified Works	1974	748590
N	336m N	Unspecified Works	1987	748590
M	348m SW	Unspecified Works	1966	682978
M	348m SW	Brick Works	1956	762281
O	352m S	Cemetery	1966	749176
O	352m S	Cemetery	1974	749176
O	352m S	Cemetery	1987	749176
O	352m S	Cemetery	1956	749176
O	366m S	Cemetery	1948	770984
P	374m E	Spinning Mills	1938	746762
P	374m E	Spinning Mills	1948	746762
P	374m E	Spinning Mills	1927	793769
M	379m SW	Brick Works	1927	774804

ID	Location	Land Use	Date	Group ID
P	381m E	Spring Mills	1907	685526
M	382m SW	Clay Pits	1938	753565
M	382m SW	Brick Works	1938	774804
M	384m SW	Refuse Heap	1927	770239
P	384m E	Spinning Mills	1956	720359
M	384m SW	Refuse Heap	1948	721607
P	385m E	Spinning Mills	1892	773268
P	385m E	Unspecified Mills	1966	721354
P	385m E	Unspecified Mills	1974	716077
P	385m E	Unspecified Mills	1987	716077
Q	390m S	Unspecified Heap	1956	687926
Q	395m S	Unspecified Ground Workings	1927	660384
S	397m SW	Cuttings	1892	652914
T	404m E	Unspecified Mill	1938	779350
T	404m E	Unspecified Mill	1927	787470
U	408m N	Unspecified Works	1938	792529
T	411m E	Unspecified Mill	1966	741744
T	411m E	Unspecified Mill	1956	741744
T	413m E	Unspecified Mill	1974	745230
T	413m E	Unspecified Mill	1987	745230
M	413m S	Clay Pit	1948	678595
6	414m S	Refuse Heap	1956	655783
M	420m SW	Clay Pits	1927	753565
M	421m SW	Railway Sidings	1966	728023
M	423m SW	Refuse Heap	1956	655784
K	438m W	Unspecified Heap	1966	782824
K	438m W	Unspecified Heap	1974	782824
K	438m W	Unspecified Heap	1987	782824

ID	Location	Land Use	Date	Group ID
M	451m SW	Refuse Heap	1956	778058
O	463m S	Cemetery	1892	778435
O	468m S	Cemetery	1938	747964
O	472m S	Cemetery	1927	751776
O	472m S	Cemetery	1907	751776
X	472m N	Unspecified Works	1966	804453
X	472m N	Unspecified Works	1974	804453
X	472m N	Unspecified Works	1987	804453
X	472m N	Iron Works	1956	655398
8	472m W	Unspecified Ground Workings	1948	768874
M	487m SW	Unspecified Pit	1956	770658
M	488m SW	Unspecified Ground Workings	1966	660383
9	488m SW	Brick Works	1948	728434
U	491m N	Unspecified Works	1948	797611
U	491m N	Unspecified Works	1927	750075
U	499m N	Unspecified Works	1966	797611
U	499m N	Unspecified Works	1974	797611
U	499m N	Unspecified Works	1987	797611
U	499m N	Unspecified Works	1956	797611

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m	**84**

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 25 >**

ID	Location	Land Use	Date	Group ID
A	39m N	Unspecified Tank	1936	85229

ID	Location	Land Use	Date	Group ID
A	54m NW	Unspecified Tank	1952	98479
A	62m N	Unspecified Tank	1952	104543
A	62m N	Unspecified Tank	1952	104543
A	62m NW	Unspecified Tank	1952	102572
A	84m N	Tanks	1952	81151
A	101m N	Tanks	1952	95591
A	101m N	Tanks	1952	95591
D	135m W	Tanks	1952	105071
D	135m W	Tanks	1966	105071
D	136m W	Tanks	1952	81152
D	171m SW	Unspecified Tank	1970	94224
D	171m SW	Unspecified Tank	1952	94224
D	172m SW	Unspecified Tank	1966	94224
D	172m SW	Unspecified Tank	1952	94224
D	186m W	Unspecified Tank	1966	93313
D	186m W	Unspecified Tank	1952	93313
D	186m W	Unspecified Tank	1952	93313
D	195m W	Tanks	1952	103710
D	195m W	Tanks	1966	103710
D	195m W	Tanks	1952	103710
D	205m SW	Unspecified Tank	1966	100881
D	205m SW	Unspecified Tank	1952	94279
D	205m SW	Unspecified Tank	1970	96660
D	205m SW	Unspecified Tank	1952	98919
D	206m SW	Unspecified Tank	1966	91757
D	206m SW	Unspecified Tank	1952	105263
D	206m SW	Unspecified Tank	1952	106475
D	213m SW	Unspecified Tank	1970	92124

ID	Location	Land Use	Date	Group ID
D	213m SW	Unspecified Tank	1952	100519
D	213m SW	Unspecified Tank	1966	99855
D	213m SW	Unspecified Tank	1952	93357
H	237m W	Unspecified Tank	1936	85230
D	238m SW	Tanks	1966	101252
D	238m SW	Tanks	1952	92941
D	238m SW	Tanks	1952	106829
D	241m SW	Tanks	1966	92631
D	241m SW	Tanks	1952	92631
D	245m SW	Unspecified Tank	1966	85232
D	245m SW	Tanks	1952	102552
D	245m SW	Tanks	1952	98846
4	251m S	Unspecified Tank	1894	85228
D	262m SW	Unspecified Tank	1952	98563
D	262m SW	Unspecified Tank	1966	98563
D	262m SW	Unspecified Tank	1952	98563
D	265m SW	Unspecified Tank	1952	97767
D	266m SW	Unspecified Tank	1966	97335
D	266m SW	Unspecified Tank	1952	97335
G	269m S	Unspecified Tank	1952	107195
G	269m S	Unspecified Tank	1966	107195
G	269m S	Unspecified Tank	1952	107195
D	278m SW	Tanks	1952	105267
D	286m SW	Tanks	1966	106586
D	286m SW	Tanks	1952	106586
R	392m E	Unspecified Tank	1993	105348
R	393m E	Unspecified Tank	1978	105348
S	403m SW	Unspecified Tank	1992	95181

ID	Location	Land Use	Date	Group ID
S	404m SW	Unspecified Tank	1987	95181
V	410m E	Unspecified Tank	1952	104413
V	411m E	Unspecified Tank	1952	104413
N	426m N	Unspecified Tank	1908	86547
W	436m SE	Unspecified Tank	1952	96112
W	436m SE	Unspecified Tank	1966	104040
W	436m SE	Unspecified Tank	1952	99373
Z	482m SE	Unspecified Tank	1952	101021
Z	482m SE	Unspecified Tank	1966	101021
Z	482m SE	Unspecified Tank	1952	101021
P	484m E	Unspecified Tank	1952	105773
P	484m SE	Unspecified Tank	1936	88707
P	485m E	Unspecified Tank	1966	105773
P	485m E	Unspecified Tank	1952	105773
Z	487m SE	Unspecified Tank	1952	106784
Z	488m SE	Unspecified Tank	1966	106784
Z	488m SE	Unspecified Tank	1952	106784
P	491m SE	Unspecified Tank	1928	88714
Z	491m SE	Unspecified Tank	1952	103471
Z	492m SE	Unspecified Tank	1966	103471
Z	492m SE	Unspecified Tank	1952	103471
P	493m SE	Unspecified Tank	1952	92294
P	494m SE	Unspecified Tank	1966	107273
P	494m SE	Unspecified Tank	1952	107273
P	495m SE	Unspecified Tank	1936	83957
Z	495m SE	Unspecified Tank	1928	107995
Z	495m SE	Unspecified Tank	1936	107995

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m	30

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 25 >**

ID	Location	Land Use	Date	Group ID
A	59m N	Electricity Substation	1993	48012
A	95m NE	Electricity Substation	1952	59794
A	95m NE	Electricity Substation	1952	59794
A	106m N	Electricity Substation	1952	57256
A	106m N	Electricity Substation	1993	53789
A	107m N	Electricity Substation	1952	63536
G	189m S	Electricity Substation	1993	52646
G	189m S	Electricity Substation	1996	52646
G	189m S	Electricity Substation	1988	52646
G	190m S	Electricity Substation	1970	52646
D	253m W	Electricity Substation	1952	61629
D	253m W	Electricity Substation	1952	61629
J	298m SW	Electricity Substation	1993	53902
J	298m SW	Electricity Substation	1996	53902
J	300m SW	Electricity Substation	1988	53902
L	340m E	Electricity Substation	1972	58858
L	340m E	Electricity Substation	1993	58858
L	341m E	Electricity Substation	1978	58858
W	442m SE	Electricity Substation	1993	54022
W	444m SE	Electricity Substation	1972	52329
W	444m SE	Electricity Substation	1978	54022
7	457m SE	Electricity Substation	1993	48005
Y	476m NE	Electricity Substation	1952	53766

ID	Location	Land Use	Date	Group ID
Y	476m NE	Electricity Substation	1952	63658
Y	476m NE	Electricity Substation	1972	50349
Y	483m NE	Electricity Substation	1991	57977
AA	488m N	Electricity Substation	1993	54204
AA	488m N	Electricity Substation	1954	55817
AA	488m N	Electricity Substation	1952	55817
AA	488m N	Electricity Substation	1973	54204

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	19

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'.

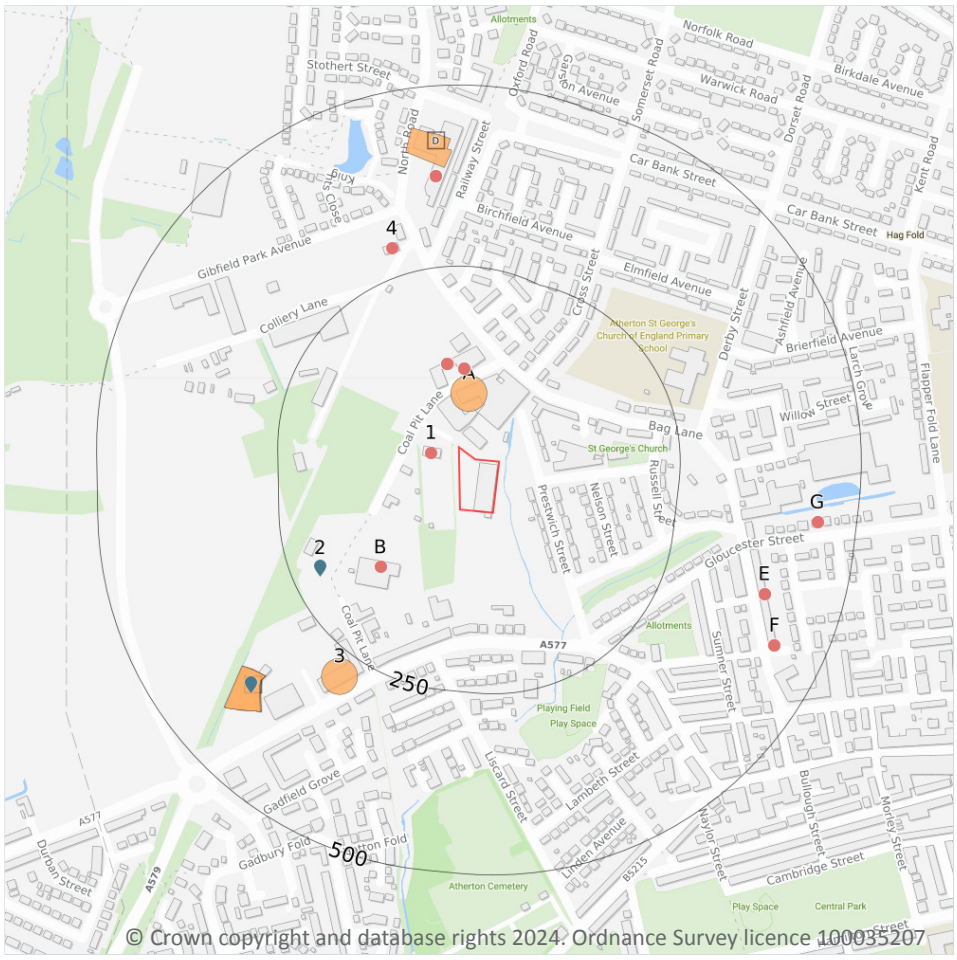
Features are displayed on the Past land use - un-grouped map on **page 25 >**

ID	Location	Land Use	Date	Group ID
A	190m N	Garage	1993	15956
G	192m S	Garage	1996	15952
M	320m SW	Garage	1996	17753
M	320m SW	Garage	1993	17753
M	323m SW	Garage	1988	19617
W	415m SE	Garage	1993	20188

ID	Location	Land Use	Date	Group ID
W	415m SE	Garage	1978	21126
W	416m SE	Garage	1972	21126
W	416m SE	Garage	1996	16670
W	416m SE	Garage	1993	20066
W	417m SE	Garage	1988	21126
W	417m SE	Garage	1970	21126
W	459m SE	Garage	1988	21126
W	460m SE	Garage	1996	20958
W	460m SE	Garage	1993	19355
W	460m SE	Garage	1970	21126
W	462m SE	Garage	1978	21126
W	462m SE	Garage	1993	19355
W	463m SE	Garage	1972	21126

This data is sourced from Ordnance Survey / Groundsure.

3 Waste and landfill



3.1 Active or recent landfill

Records within 500m	0

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

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

3.2 Historical landfill (BGS records)

Records within 500m	0

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

This data is sourced from the British Geological Survey.

3.3 Historical landfill (LA/mapping records)

Records within 500m	0

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

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

3.4 Historical landfill (EA/NRW records)

Records within 500m	0

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

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

3.5 Historical waste sites

Records within 500m	5

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 38 >**

ID	Location	Address	Further Details	Date
A	51m N	Site Address: Arm Construction (Divisional, Coal Pit Lane, Atherton, MANCHESTER, Greater Manchester, M46 0	Type of Site: Waste Transfer Station (C/u) Planning application reference: A/41826/94 Description: Use of site as a waste transfer station An application (ref: A/41826/94) for Detailed Planning permission was submitted to Wigan M.B.C. on 3rd February 1994. Data source: Historic Planning Application Data Type: Point	-
3	259m SW	Site Address: UK Support Centre,Linstock Way, Atherton, MANCHESTER, Greater Manchester, M46 0RS	Type of Site: Waste Transfer Station Planning application reference: A/09/72664 Description: Scheme comprises change of use of land from storage to a waste transfer station for waste, domestic and commercial furniture and creation of a timber, panel fence. Construction - timber frame; fencing site works. An application (ref: A/09/72664) for deil ed planning permission was granted by Wigan M.B.C. A detailed planning application has been granted. Data source: Historic Planning Application Data Type: Point	03/10/2009

ID	Location	Address	Further Details	Date
C	353m SW	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1992
C	353m SW	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1987
D	387m N	Site Address: N/A	Type of Site: Refuse Destructor Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1928

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

3.6 Licensed waste sites

Records within 500m	**2**

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

Features are displayed on the Waste and landfill map on **page 38 >**

ID	Location	Details		
2	210m SW	Site Name: Atherton Motor Cycles Site Address: Land/premises At, Coalpit Lane, Atherton, Lancashire, M46 0RY Correspondence Address: -	Type of Site: Metal Recycling Site (Vehicle Dismantler) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 641608 EPR reference: EA/EPR/PP3592CY Operator: Laurence Antony Murray Waste Management licence No: 50502 Annual Tonnage: 0	Issue Date: 19/10/2007 Effective Date: 19/10/2007 Modified: - Surrendered Date: 19/10/2007 Expiry Date: - Cancelled Date: - Status: Surrendered

ID	Location	Details		
C	377m SW	Site Name: Gadbury Auto Salvage Site Address: Land/premises At, Wigan Road, Atherton, Lancashire, M46 0LW Correspondence Address: -	Type of Site: Metal Recycling Site (Vehicle Dismantler) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 630545 EPR reference: EA/EPR/LP3594CY Operator: Ian Barton Waste Management licence No: 50247 Annual Tonnage: 1050	Issue Date: 29/09/2004 Effective Date: 29/09/2004 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued

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

3.7 Waste exemptions

Records within 500m **29**

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 38 >**

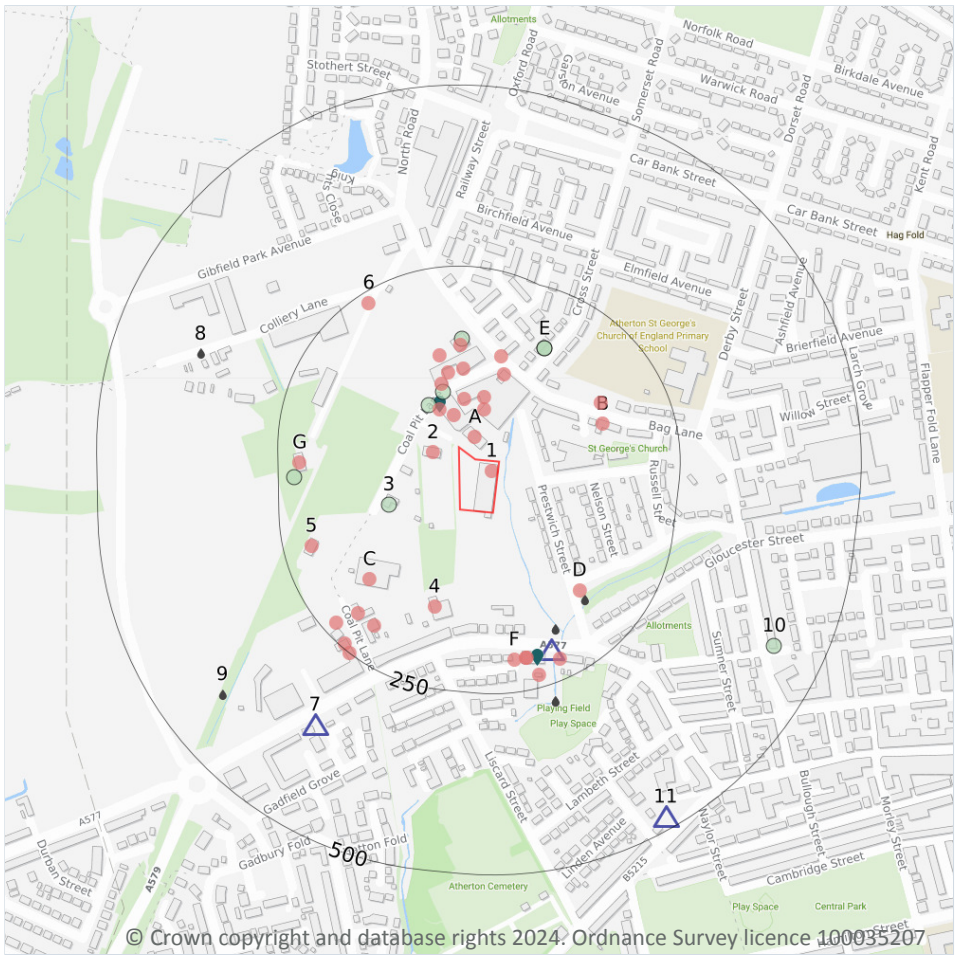
ID	Location	Site	Reference	Category	Sub-Category	Description
1	39m NW	No Details	EPR/LE5840KS/A001	Using waste exemption	Non-agricultural waste only	Use of mulch
A	108m N	Kas Metal Trading Ltd, Prestwich Ind Est, Coal Pit Lane, Atherton, Manchester, M460ry	WEX372387	Storing waste exemption	Not on a farm	Storage of waste in a secure place
A	108m N	Kas Metal Trading Ltd, Prestwich Ind Est, Coal Pit Lane, Atherton, Manchester, M460ry	WEX372387	Treating waste exemption	Not on a farm	Recovery of scrap metal
A	108m N	Kas Metal Trading Ltd, Kas Metal Trading Ltd, Prestwich Ind Est, Coal Pit Lane, Atherton, Atherton, Manchester, M460ry	WEX374235	Storing waste exemption	Not on a farm	Storage of waste in a secure place
A	108m N	Unit J, Prestwich Ind Est, Coal Pit Lane, Atherton, M460ry	WEX247326	Storing waste exemption	Not on a farm	Storage of waste in a secure place

ID	Location	Site	Reference	Category	Sub-Category	Description
A	108m N	Unit J, Prestwich Ind Est, Coal Pit Lane, Atherton, M460ry	WEX244360	Treating waste exemption	Not on a farm	Recovery of scrap metal
A	115m N	Unit J, Prestwich Ind Est, Coal Pit Lane, Atherton, M460ry	WEX101889	Treating waste exemption	Not on a farm	Recovery of scrap metal
A	115m N	Unit J, Prestwich Ind Est, Coal Pit Lane, Atherton, M460ry	WEX105231	Storing waste exemption	Not on a farm	Storage of waste in a secure place
A	115m N	Unit J, Prestwich Ind Est, Coal Pit Lane, Atherton, Manchester, M460ry	WEX000661	Treating waste exemption	Not on a farm	Recovery of scrap metal
A	116m N	Unit J Prestwich Industrial Esta Atherton Greater Manchester M46 0ry	EPR/RH0811YJ /A001	Treating waste exemption	Non-agricultural waste only	Recovery of scrap metal
A	116m N	Unit J Prestwich Industrial Esta Atherton Greater Manchester M46 0ry	EPR/JF0600PA /A001	Storing waste exemption	Non-agricultural waste only	Storage of waste in a secure place
A	116m N	Unit J Prestwich Industrial Estate Manchester M46 0ry	EPR/EF0932YF /A001	Treating waste exemption	Non-agricultural waste only	Recovery of scrap metal
B	136m SW	Unit 10, Coal Pit Lane, Atherton, Manchester, M46 0fy	WEX366678	Treating waste exemption	Not on a farm	Manual treatment of waste
B	136m SW	Unit 10, Coal Pit Lane, Atherton, Manchester, M46 0fy	WEX366678	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
4	289m N	3, Gibfield Park Avenue, Atherton, Manchester, M46 0su	WEX334867	Storing waste exemption	Not on a farm	Storage of waste in a secure place
D	374m N	273, North Road, Atherton, Manchester, M46 0rf	WEX280711	Using waste exemption	Not on a farm	Use of waste in construction
D	374m N	273, North Road, Atherton, Manchester, M46 0rf	WEX280711	Treating waste exemption	Not on a farm	Screening and blending of waste
D	374m N	273, North Road, Atherton, Manchester, M46 0rf	WEX067017	Using waste exemption	Not on a farm	Use of waste in construction
D	374m N	273, North Road, Atherton, Manchester, M46 0rf	WEX067017	Treating waste exemption	Not on a farm	Screening and blending of waste
D	374m N	273, North Road, Atherton, Manchester, M46 0rf	WEX139285	Using waste exemption	Not on a farm	Use of waste in construction

ID	Location	Site	Reference	Category	Sub-Category	Description
D	374m N	273, North Road, Atherton, Manchester, M46 0rf	WEX139285	Treating waste exemption	Not on a farm	Screening and blending of waste
E	391m E	Unit 4 Bag Lane, Atherton, Manchester, M46 0jx	WEX150507	Storing waste exemption	Not on a farm	Storage of waste in secure containers
E	391m E	Unit 4 Bag Lane, Atherton, Manchester, M46 0jx	WEX150507	Storing waste exemption	Not on a farm	Storage of waste in a secure place
E	391m E	Unit 4 Bag Lane, Atherton, Manchester, M46 0jx	WEX150507	Treating waste exemption	Not on a farm	Sorting mixed waste
F	429m SE	Unit 4 Bag Lane, Atherton, Manchester, M46 0jx	WEX289252	Storing waste exemption	Not on a farm	Storage of waste in a secure place
F	429m SE	Unit 4 Bag Lane, Atherton, Manchester, M46 0jx	WEX289252	Storing waste exemption	Not on a farm	Storage of waste in secure containers
F	429m SE	Unit 4 Bag Lane, Atherton, Manchester, M46 0jx	WEX289252	Treating waste exemption	Not on a farm	Sorting mixed waste
G	446m E	Former Howe Bridge Mils, Gloucester Street, Atherton, Greater Manchester, M46 0jt	WEX081970	Treating waste exemption	Not on a farm	Screening and blending of waste
G	446m E	Former Howe Bridge Mils, Gloucester Street, Atherton, Greater Manchester, M46 0jt	WEX081970	Using waste exemption	Not on a farm	Use of waste in construction

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

4 Current industrial land use



4.1 Recent industrial land uses

Records within 250m	33

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on **page 44 >**

ID	Location	Company	Address	Activity	Category
1	**On site**	**Kas Metal Trading Ltd**	**Unit J Prestwich Industrial Estate, Coal Pit Lane, Atherton, Greater Manchester, M46 0FY**	**Scrap Metal Merchants**	**Recycling Services**
A	25m N	Wholesale Sweets UK	Unit H Prestwich Industrial Estate, Coal Pit Lane, Atherton, Manchester, Greater Manchester, M46 0FY	Tobacco Products	Consumer Products

ID	Location	Company	Address	Activity	Category
2	36m NW	Neary Construction & Rail	9, Coal Pit Lane, Atherton, Greater Manchester, M46 0RY	Civil Engineers	Engineering Services
A	45m N	Lab UK Furniture Ltd	Unit F2, Coal Pit Lane, Atherton, Manchester, Greater Manchester, M46 0FY	Measurement and Inspection Equipment	Industrial Products
A	59m NW	Screenstretch Ltd	Unit F, Coal Pit Lane, Atherton, Manchester, Greater Manchester, M46 0FY	General Construction Supplies	Industrial Products
A	62m N	Crane	Greater Manchester, M46	Travelling Cranes and Gantries	Industrial Features
A	66m N	Fastfit	Unit E, Coalpit Lane, Atherton, Manchester, Greater Manchester, M46 0RY	Vehicle Repair, Testing and Servicing	Repair and Servicing
A	77m N	Industrial Estate	Greater Manchester, M46	Business Parks and Industrial Estates	Industrial Features
A	90m N	Atherton Tyres	Unit 5a Victoria Works Industrial Estate, Coal Pit Lane, Atherton, Greater Manchester, M46 0FY	Vehicle Parts and Accessories	Motoring
A	104m N	Electricity Sub Station	Greater Manchester, M46	Electrical Features	Infrastructure and Facilities
A	108m N	A K Animal Feed	Unit 2 Victoria Works Industrial Estate, Coal Pit Lane, Atherton, Greater Manchester, M46 0RY	Animal Feeds, Pet Foods, Hay and Straw	Foodstuffs
A	118m N	Electricity Sub Station	Greater Manchester, M46	Electrical Features	Infrastructure and Facilities
A	130m N	Industrial Estate	Greater Manchester, M46	Business Parks and Industrial Estates	Industrial Features
A	138m N	Electricity Sub Station	Greater Manchester, M46	Electrical Features	Infrastructure and Facilities
4	139m S	The Window Centre Atherton Ltd	Unit P Prestwich Industrial Estate, Coal Pit Lane, Atherton, Greater Manchester, M46 0FY	Rubber, Silicones and Plastics	Industrial Products
A	141m N	Centre Enterprise	Greater Manchester, M46	Business Parks and Industrial Estates	Industrial Features
B	152m NE	Homeworking	190, Bag Lane, Atherton, Greater Manchester, M46 0JZ	Educational Equipment and Supplies	Industrial Products
C	158m SW	Austin Wilkinson & Sons Ltd	Unit 10, Coal Pit Lane, Atherton, Manchester, Greater Manchester, M46 0FY	Distribution and Haulage	Transport, Storage and Delivery

ID	Location	Company	Address	Activity	Category
D	160m SE	Mast (Communication)	Greater Manchester, M46	Telecommunications Features	Infrastructure and Facilities
B	162m NE	Albion Business Park	Greater Manchester, M46	Business Parks and Industrial Estates	Industrial Features
C	199m SW	A C Plant Glazing Ltd	Unit 4, Coal Pit Lane, Atherton, Greater Manchester, M46 0FY	Vehicle Repair, Testing and Servicing	Repair and Servicing
C	201m SW	John Trumble Motor Engineers Ltd	Unit 8, Coal Pit Lane, Atherton, Greater Manchester, M46 0FY	Vehicle Repair, Testing and Servicing	Repair and Servicing
F	205m S	Electricity Sub Station	Greater Manchester, M46	Electrical Features	Infrastructure and Facilities
F	206m S	B P Car Wash	104, Wigan Road, Atherton, Greater Manchester, M46 0LN	Vehicle Cleaning Services	Personal, Consumer and Other Services
F	206m S	BP Service Station	104, Wigan Road, Atherton, Manchester, Greater Manchester, M46 0LN	Petrol and Fuel Stations	Road and Rail
5	211m W	Roadway Lighting Ltd	Unit 12, Coal Pit Lane, Atherton, Greater Manchester, M46 0FY	Construction Completion Services	Construction Services
G	220m W	Works	Greater Manchester, M46	Unspecified Works Or Factories	Industrial Features
F	222m SE	A1 Barrow Mix Concrete Ltd	102, Wigan Road, Atherton, Greater Manchester, M46 0LN	Concrete Products	Industrial Products
C	231m SW	Blue Light UK Ltd	Unit 14 Coal Pit Lane, Atherton, Manchester, Greater Manchester, M46 0FY	Ambulance and Medical Transportation Services	Health Support Services
F	232m S	Rss Atherton	104, Wigan Road, Atherton, Manchester, Greater Manchester, M46 0LN	Vehicle Cleaning Services	Personal, Consumer and Other Services
6	235m NW	Arthur Stephenson Engineering	Gibfield Works, Colliery Lane, Atherton, Greater Manchester, M46 0RD	Industrial Engineers	Engineering Services
C	244m SW	Works	Greater Manchester, M46	Unspecified Works Or Factories	Industrial Features
C	250m SW	Works	Greater Manchester, M46	Unspecified Works Or Factories	Industrial Features

This data is sourced from Ordnance Survey.

4.2 Current or recent petrol stations

Records within 500m	3

Open, closed, under development and obsolete petrol stations.

Features are displayed on the Current industrial land use map on **page 44 >**

ID	Location	Company	Address	LPG	Status
F	206m SE	BP	104, Wigan Road, Atherton, Manchester, Greater Manchester, M46 0LN	No	Open
7	358m SW	SAVE	Wigan Road, Atherton, Manchester, Greater Manchester, M46 0GD	Not Applicable	Obsolete
11	483m SE	OBSOLETE	Leigh Road, Atherton, Manchester, Greater Manchester, M46 0LX	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	2

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 44 >**

ID	Location	Address	Details	
A	65m NW	Readymix Concrete Co Ltd, Coal Pit Lane, M29 0JY	Process: Use of Bulk Cement Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
F	209m S	Atherton Service Station, 104 Wigan Road, Atherton, M46 0LN	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

This data is sourced from Local Authority records.

4.12 Radioactive Substance Authorisations

Records within 500m	0

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

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

4.13 Licensed Discharges to controlled waters

Records within 500m	9

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

Features are displayed on the Current industrial land use map on **page 44 >**

ID	Location	Address	Details	
D	175m SE	GLOUCESTER ST/BAG LANE, WIGAN, GREATER MANCHESTER	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01WIG0085 Permit Version: 1 Receiving Water: -	Status: REVOKED - UNSPECIFIED Issue date: - Effective Date: 01/04/1991 Revocation Date: 31/12/1994

ID	Location	Address	Details	
D	175m SE	GLOUCESTER ST/BAG LANE, WIGAN, GREATER MANCHESTER	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01WIG0085 Permit Version: 2 Receiving Water: -	Status: REVOKED (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: - Effective Date: 01/01/1995 Revocation Date: 30/05/2007
F	182m SE	GLOUCESTER ST CSO, REAR OF 88 WIGAN ROAD, ATHERTON, MANCHESTER, GREATER MANCHESTER, M46 0LN	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 01WIG0207 Permit Version: 1 Receiving Water: COLLIER BROOK	Status: CONSENT REVOKED OR REVISED - NEW CONSENT ISSUED (37(1)) Issue date: 01/01/1995 Effective Date: 01/01/1995 Revocation Date: 01/01/1995
F	182m SE	GLOUCESTER ST CSO, REAR OF 88 WIGAN ROAD, ATHERTON, MANCHESTER, GREATER MANCHESTER, M46 0LN	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 016982786 Permit Version: 1 Receiving Water: COLLIER BROOK	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: 30/09/1994 Effective Date: 30/09/1994 Revocation Date: 30/03/2007
F	275m S	GLOUCESTER ST CSO, REAR OF 88 WIGAN ROAD, ATHERTON, MANCHESTER, GREATER MANCHESTER, M46 0LN	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: 016982786 Permit Version: 2 Receiving Water: COLLIER BROOK	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 22/11/2005 Effective Date: 31/03/2007 Revocation Date: 27/08/2007
F	275m S	GLOUCESTER ST CSO, REAR OF 88 WIGAN ROAD, ATHERTON, MANCHESTER, GREATER MANCHESTER, M46 0LN	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: 016982786 Permit Version: 3 Receiving Water: COLLIER BROOK	Status: VARIED BY APPLICATION - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 25/10/2006 Effective Date: 28/08/2007 Revocation Date: 06/02/2020
F	275m S	GLOUCESTER ST CSO, REAR OF 88 WIGAN ROAD, ATHERTON, MANCHESTER, GREATER MANCHESTER, M46 0LN	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 016982786 Permit Version: 4 Receiving Water: COLLIER BROOK	Status: VARIED UNDER EPR 2010 Issue date: 07/02/2020 Effective Date: 07/02/2020 Revocation Date: -
8	379m NW	THE SHOWMAN'S WINTER QUARTERS, COLLIERY LANE, ATHERTON, GREATER MANCHESTER	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: 016993463 Permit Version: 1 Receiving Water: TRIB OF SMALL BROOK	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 27/01/2003 Effective Date: 27/01/2003 Revocation Date: 31/03/2009

ID	Location	Address	Details	
9	416m SW	LINSTOCK FOODS, LINSTOCK WAY, WIGAN ROAD, ATHERTON, GREATER MANCHESTER, M29 0QA	Effluent Type: TRADE DISCHARGES - COOLING WATER Permit Number: 016990534 Permit Version: 1 Receiving Water: TRIB ATHERTON BROOK	Status: REVOKED - UNSPECIFIED Issue date: - Effective Date: 27/10/1984 Revocation Date: 05/04/1991

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	**8**

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 44 >**

ID	Location	Details	
A	71m NW	Incident Date: 16/08/2002 Incident Identification: 100949 Pollutant: Inert Materials and Wastes Pollutant Description: Other Inert Material or Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
A	79m N	Incident Date: 02/04/2001 Incident Identification: 1346 Pollutant: Specific Waste Materials Pollutant Description: Household Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
3	98m W	Incident Date: 17/07/2002 Incident Identification: 92393 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)
A	150m N	Incident Date: 10/01/2002 Incident Identification: 51642 Pollutant: Specific Waste Materials Pollutant Description: Commercial Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
E	168m NE	Incident Date: 20/12/2002 Incident Identification: 126931 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Fumes	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
E	168m NE	Incident Date: 20/12/2002 Incident Identification: 126931 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Fumes	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
G	227m W	Incident Date: 27/03/2001 Incident Identification: 1034 Pollutant: Specific Waste Materials Pollutant Description: Other Specific Waste Material	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
10	429m SE	Incident Date: 22/11/2001 Incident Identification: 44393 Pollutant: Inert Materials and Wastes Pollutant Description: Other Inert Material or Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)

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

4.19 Pollution inventory substances

Records within 500m	0

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

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

4.20 Pollution inventory waste transfers

Records within 500m	0

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

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

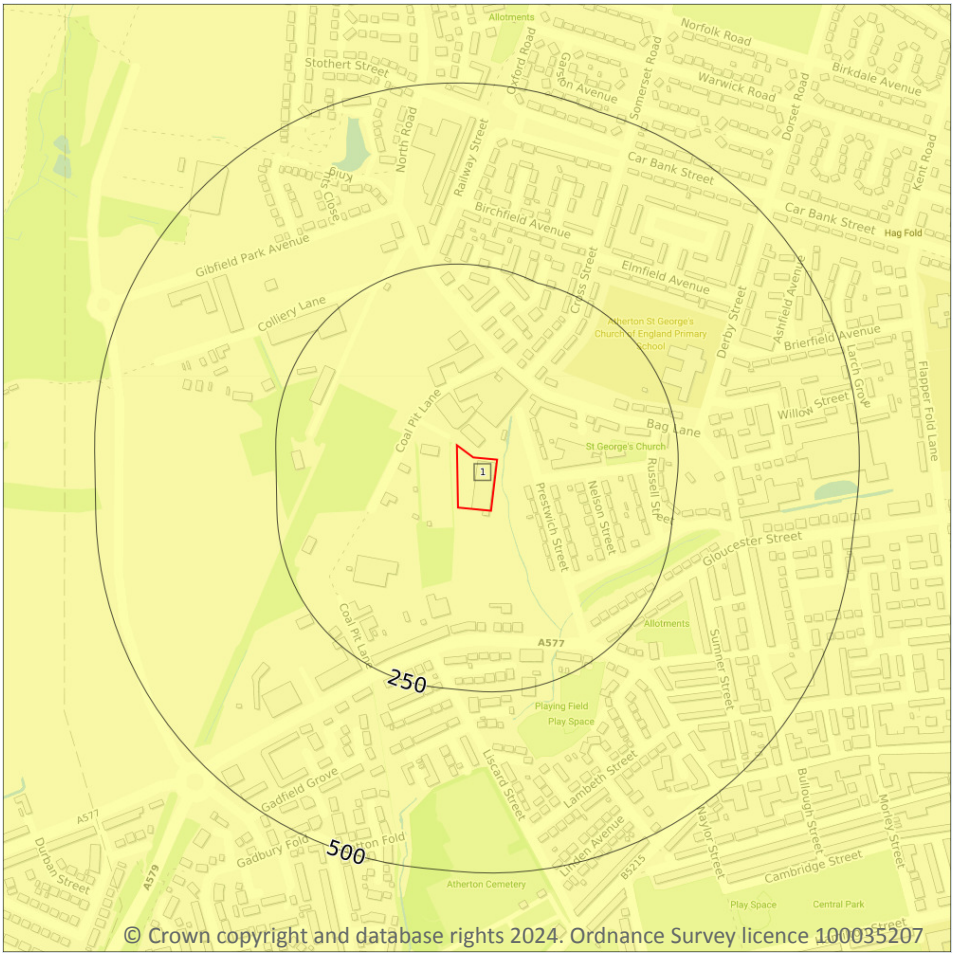
4.21 Pollution inventory radioactive waste

Records within 500m	0

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

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

5 Hydrogeology - Superficial aquifer



5.1 Superficial aquifer

Records within 500m	1

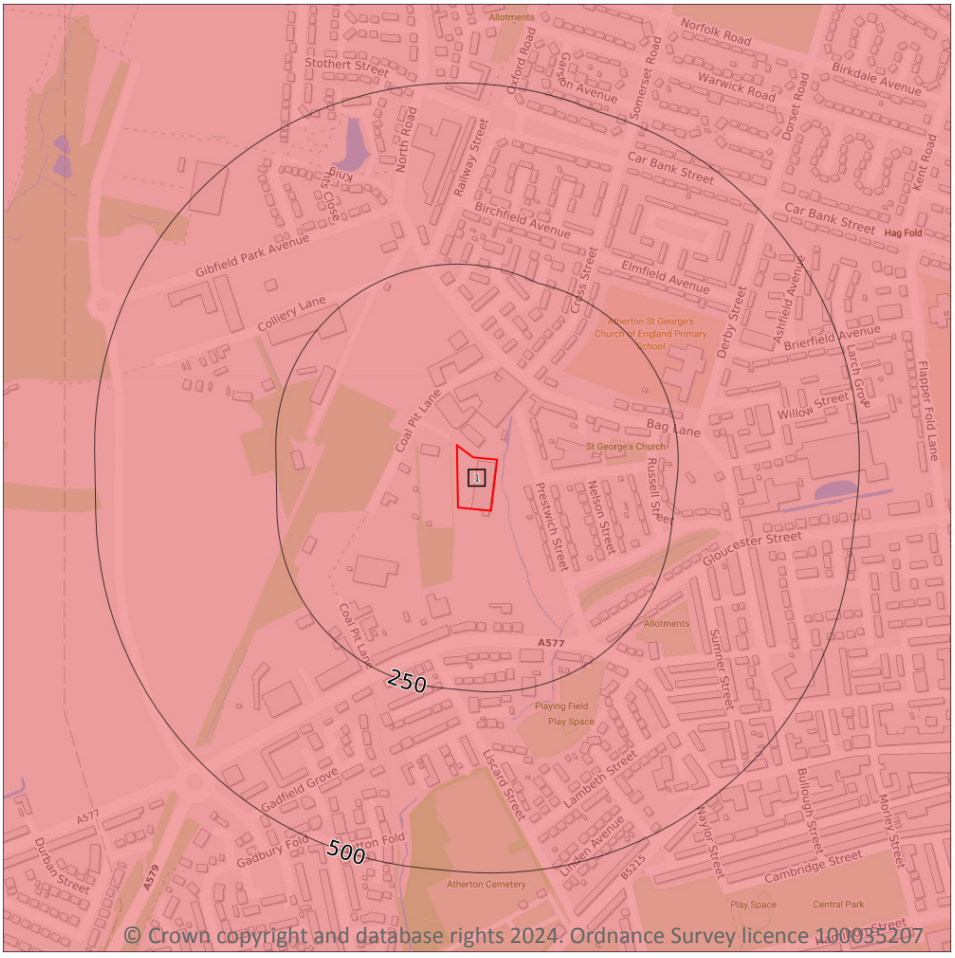
Aquifer status of groundwater held within superficial geology.

Features are displayed on the Hydrogeology map on **page 54 >**

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

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

Bedrock aquifer



5.2 Bedrock aquifer

Records within 500m	1

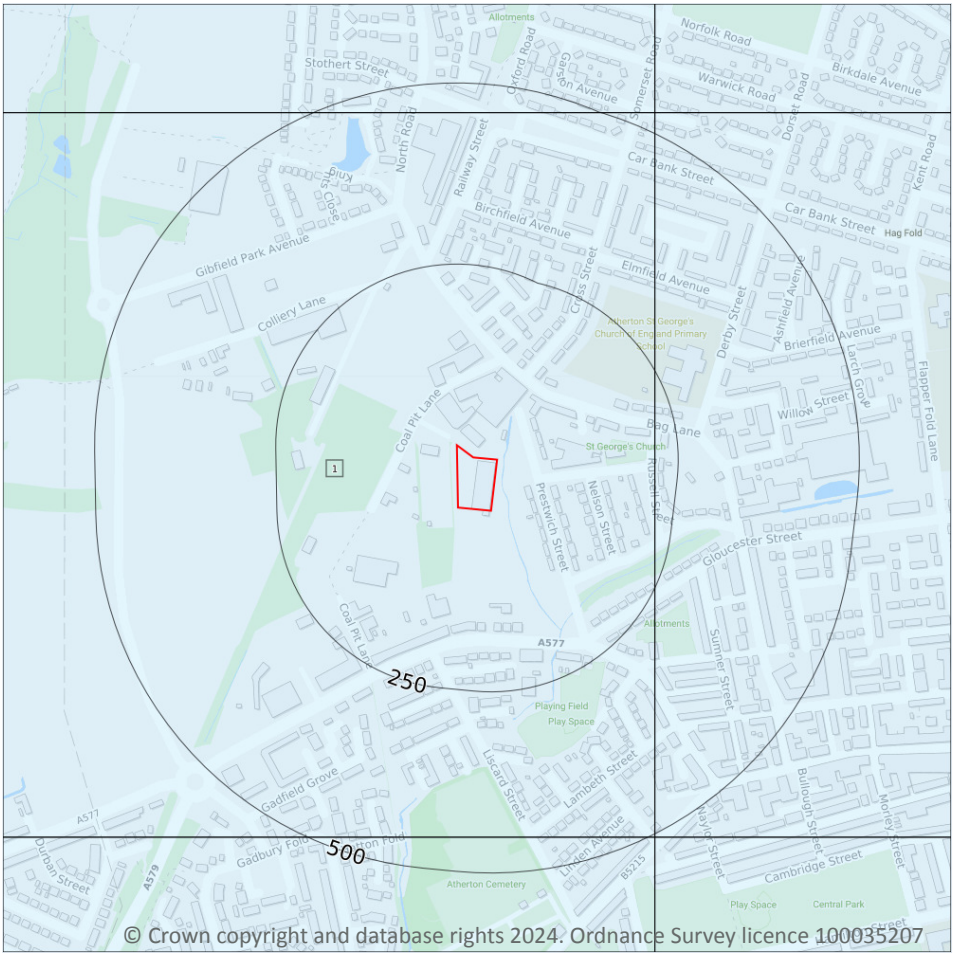
Aquifer status of groundwater held within bedrock geology.

Features are displayed on the Bedrock aquifer map on **page 55 >**

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

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

Groundwater vulnerability



5.3 Groundwater vulnerability

Records within 50m	1

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

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

Features are displayed on the Groundwater vulnerability map on **page 56 >**

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

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

5.4 Groundwater vulnerability- soluble rock risk

Records on site	0

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

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

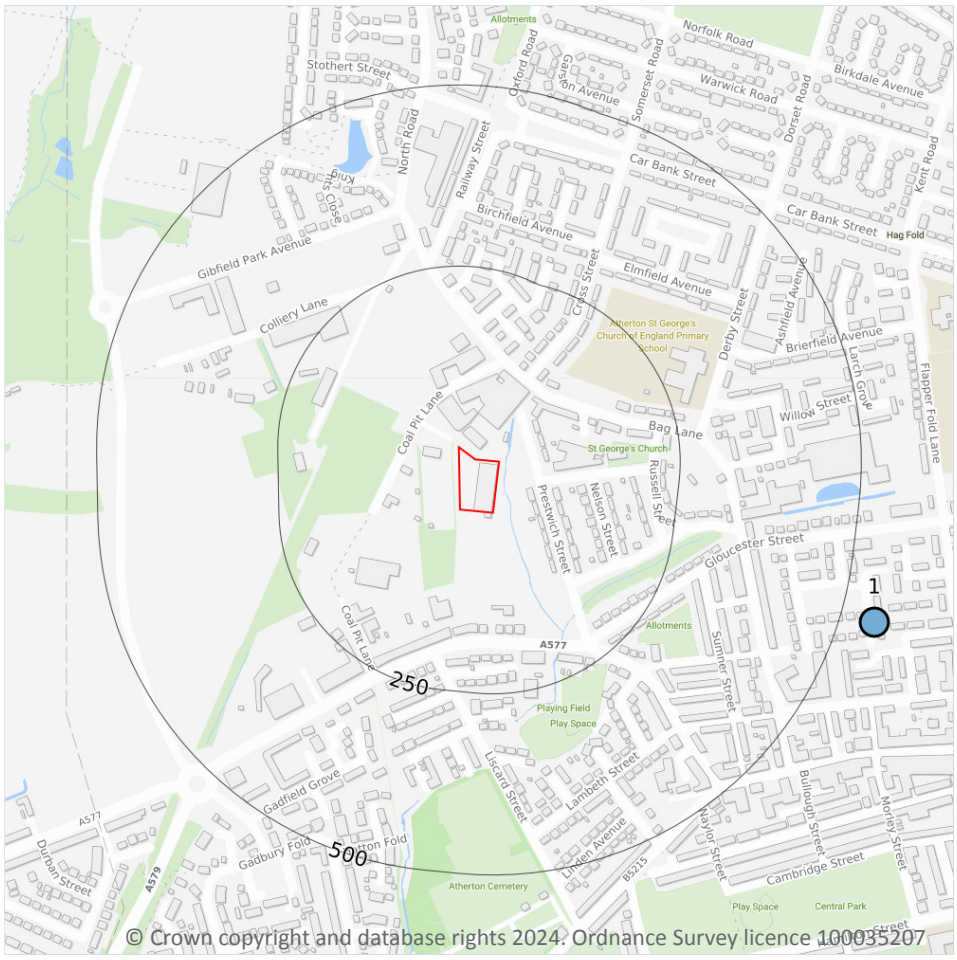
5.5 Groundwater vulnerability- local information

Records on site	0

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

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

Abstractions and Source Protection Zones



Site Outline

Search buffers in metres (m)

- Source Protection Zone 1 — Inner catchment
- Source Protection Zone 2 — Outer catchment
- Source Protection Zone 3 — Total catchment
- Source Protection Zone 4 — Zone of Special Interest
- Source Protection Zone 1c — Inner catchment - confined aquifer
- Source Protection Zone 2c — Outer catchment - confined aquifer
- Source Protection Zone 3c — Total catchment - confined aquifer
- Drinking water abstraction licences
- 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	0

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.

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

5.7 Surface water abstractions

Records within 2000m	1

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 58 >**

ID	Location	Details	
1	547m E	Status: Historical Licence No: 2569016020 Details: Boiler Feed Direct Source: Surface, Non-Tidal - North West Region Point: RESERVOIRS (2) FED BY SURF DRAINAGE, GLOUCESTER ST, ATHERTON Data Type: Point Name: C V HOME FURNISHINGS LTD Easting: 367300 Northing: 403300	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 09/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 28/08/1996 Version End Date: -

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

5.8 Potable abstractions

Records within 2000m	0

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

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

5.9 Source Protection Zones

Records within 500m	0

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

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

5.10 Source Protection Zones (confined aquifer)

Records within 500m	0

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

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

6 Hydrology

6.1 Water Network (OS MasterMap)

Records within 250m	9

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

Features are displayed on the Hydrology map on **page 61 >**

ID	Location	Type of water feature	Ground level	Permanence	Name
A	9m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
3	20m N	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
B	27m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
B	27m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
4	64m NE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
5	64m NE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
C	180m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Collier Brook
D	191m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Atherton Brook
6	215m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

This data is sourced from the Ordnance Survey.

6.2 Surface water features

Records within 250m	**3**

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

Features are displayed on the Hydrology map on **page 61 >**

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 61 >**

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
1	**On site**	**River**	**Bedford Brook**	**GB112069060810**	**Glaze**	**Mersey Lower**

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 61 >**

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
-	1206m E	River	Bedford Brook	GB112069060810 ↗	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

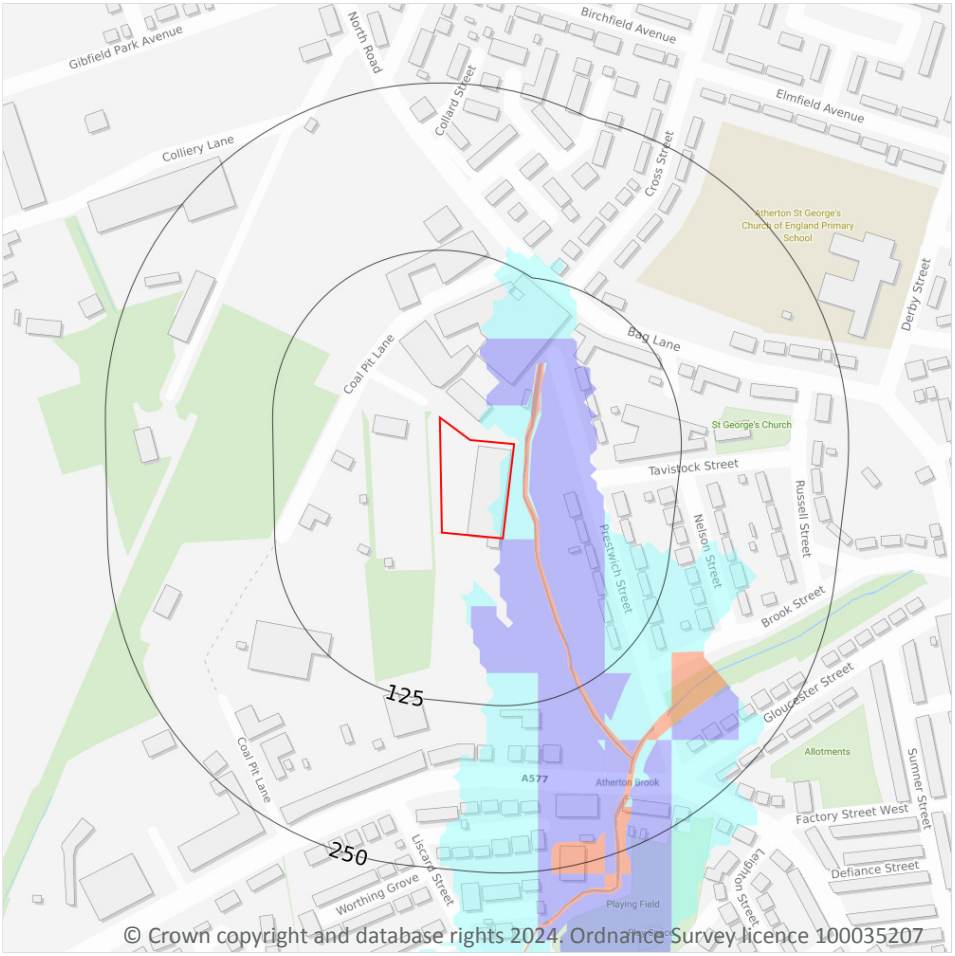
Groundwater bodies are also covered by the Directive and the same regime of objectives and reporting detailed in the previous section is in place. Click on the water body ID in the table to visit the EA Catchment Explorer to find out more about each groundwater body listed.

Features are displayed on the Hydrology map on **page 61 >**

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
2	**On site**	**Sankey and Glaze Carboniferous aquifers**	**GB41202G100100** ↗	**Poor**	**Poor**	**Good**	**2019**

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

7 River and coastal flooding



Site Outline

Search buffers in metres (m)

River and coastal flooding:

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

7.1 Risk of flooding from rivers and the sea

Records within 50m	9

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).

Features are displayed on the River and coastal flooding map on **page 65 >**

Distance	Flood risk category
On site	**Low**
0 - 50m	High

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.

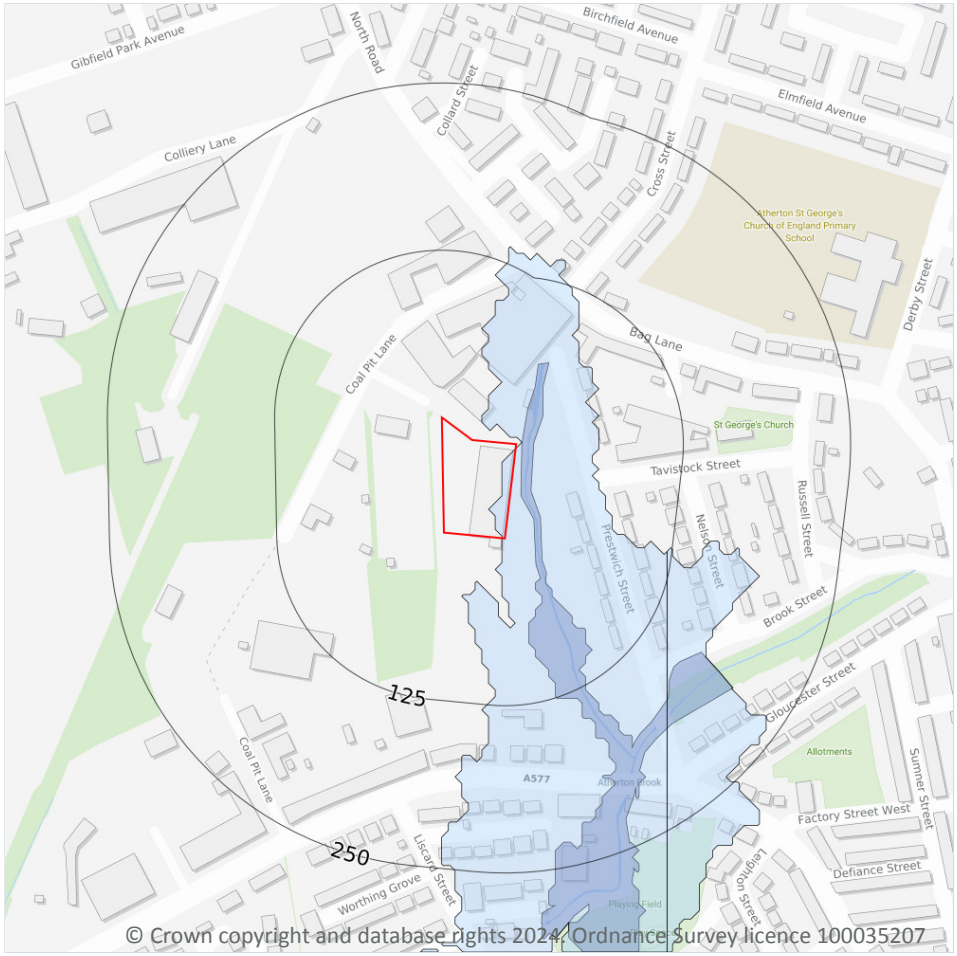
7.5 Flood Storage Areas

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



Site Outline

Search buffers in metres (m)

Flood zone 2

Flood zone 3

7.6 Flood Zone 2

Records within 50m	1

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.

Features are displayed on the River and coastal flooding map on **page 65 >**

Location	Type
On site	**Zone 2 - (Fluvial /Tidal Models)**

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

7.7 Flood Zone 3

Records within 50m	1

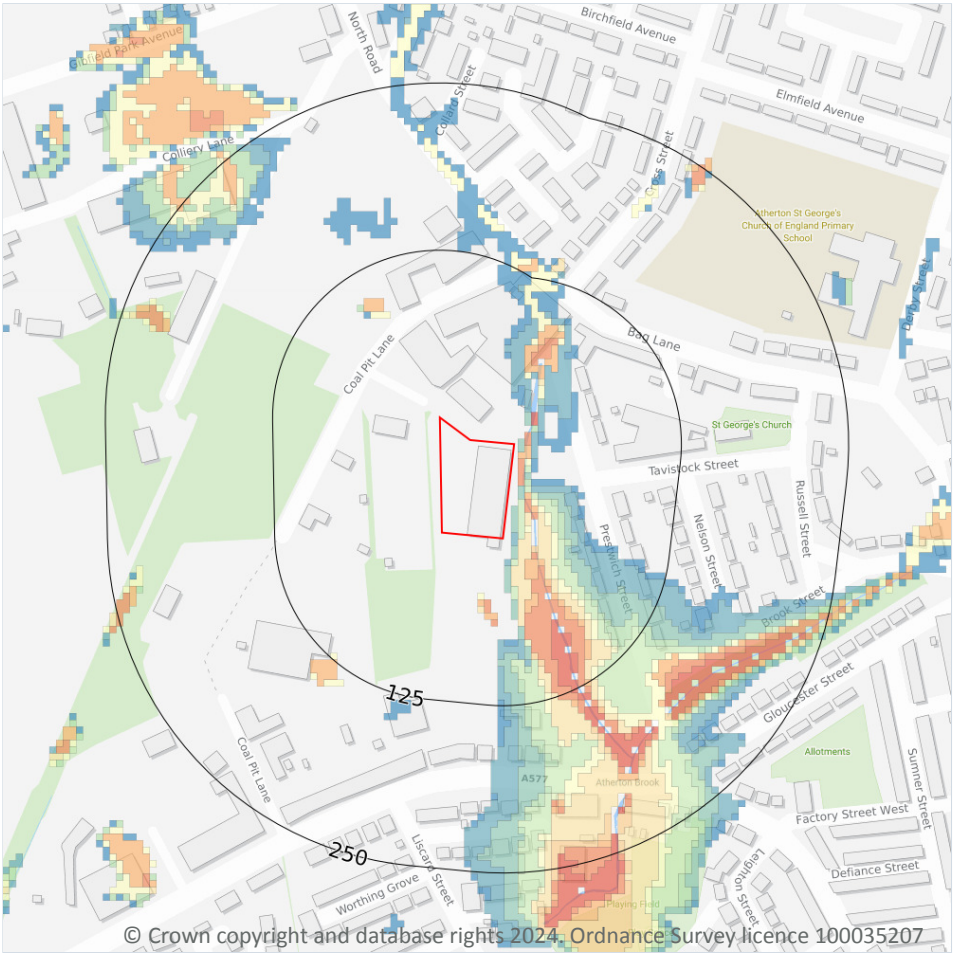
Areas of land at risk of flooding, when the presence of flood defences are ignored. Covering land with a 1 in 100 (1%) or greater chance of flooding each year from rivers or a 1 in 200 (0.5%) or greater chance of flooding each year from the sea.

Features are displayed on the River and coastal flooding map on **page 65 >**

Location	Type
4m NE	Zone 3 - (Fluvial Models)

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

8 Surface water flooding



Site Outline

Search buffers in metres (m)

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

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

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

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

8.1 Surface water flooding

Highest risk on site	**Negligible**
Highest risk within 50m	**1 in 30 year, Greater than 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 69 >**

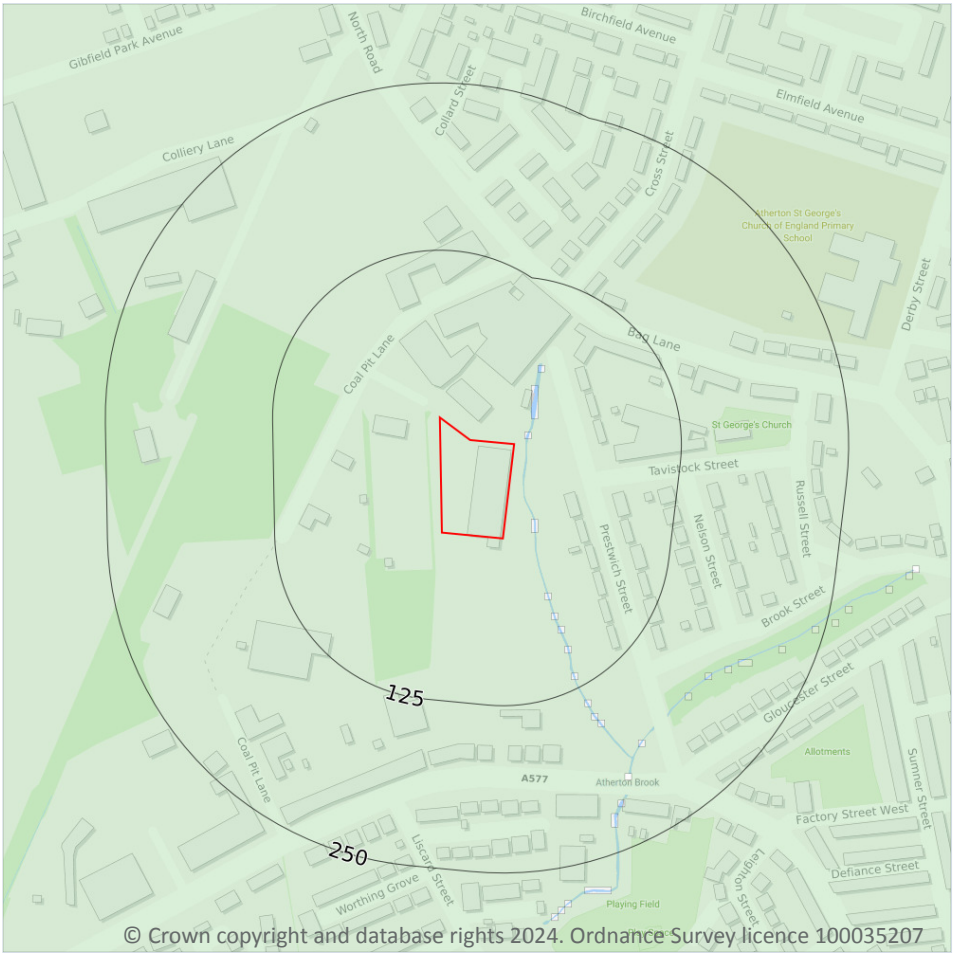
The data shown on the map and in the table above shows the highest likelihood of flood events happening at the site. Lower likelihood events may have greater flood depths and hence a greater potential impact on a site.

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

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

This data is sourced from Ambiental Risk Analytics.

9 Groundwater flooding



Site Outline

Search buffers in metres (m)

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

9.1 Groundwater flooding

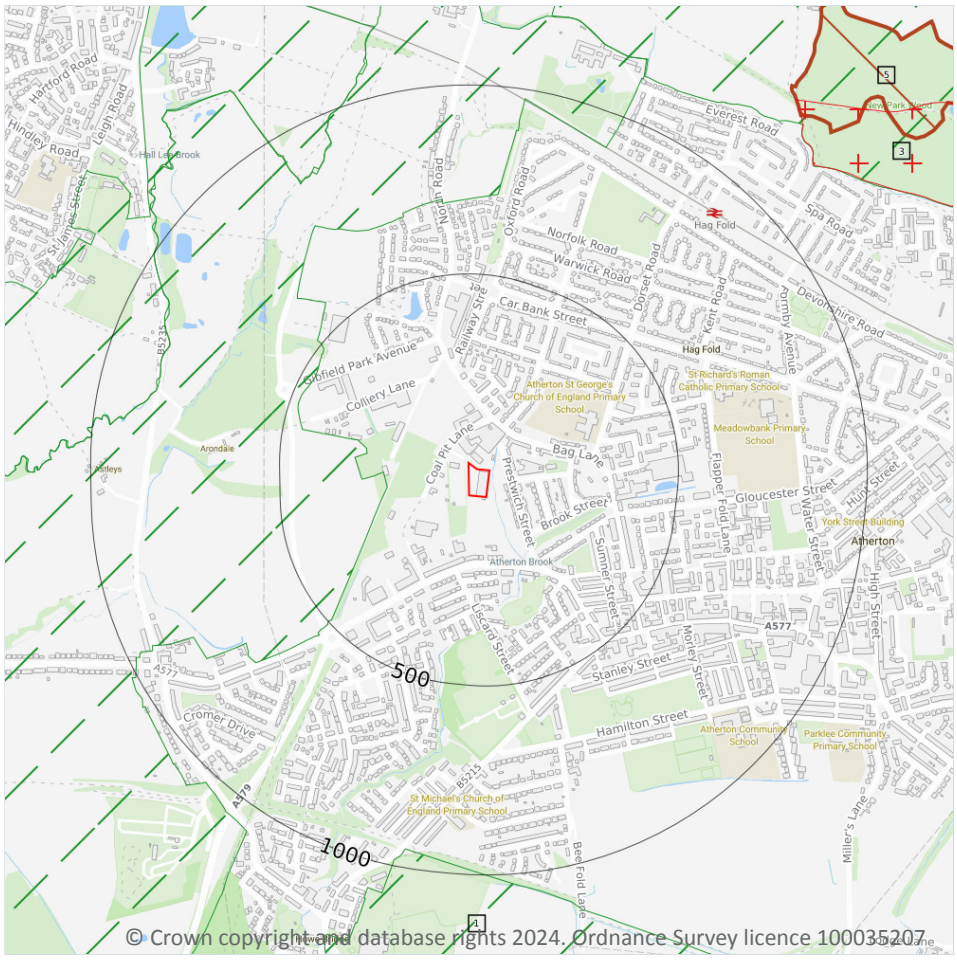
Highest risk on site	**Low**
Highest risk within 50m	**Low**

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 71 >**

This data is sourced from Ambiental Risk Analytics.

10 Environmental designations



10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m	0

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

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

10.2 Conserved wetland sites (Ramsar sites)

Records within 2000m	0

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

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

10.3 Special Areas of Conservation (SAC)

Records within 2000m	0

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

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

10.4 Special Protection Areas (SPA)

Records within 2000m	0

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

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

10.5 National Nature Reserves (NNR)

Records within 2000m	0

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

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

10.6 Local Nature Reserves (LNR)

Records within 2000m	3

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 72 >**

ID	Location	Name	Data source
3	1177m NE	Pretoria Pit	Natural England
-	1521m NW	Hall Lee Bank Park	Natural England
-	1921m NW	Eatock Lodge	Natural England

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

10.7 Designated Ancient Woodland

Records within 2000m	2

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.

Features are displayed on the Environmental designations map on **page 72 >**

ID	Location	Name	Woodland Type
5	1250m NE	New Park Wood	Ancient & Semi-Natural Woodland
-	1718m S	Atherton Wood	Ancient & Semi-Natural Woodland

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 72 >**

ID	Location	Name	Local Authority name
1	216m W	Merseyside and Greater Manchester	Wigan
2	847m W	Merseyside and Greater Manchester	Bolton
-	1233m N	Merseyside and Greater Manchester	Bolton
-	1964m W	Merseyside and Greater Manchester	Wigan

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

10.12 Proposed Ramsar sites

Records within 2000m	0

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

This data is sourced from Natural England.

10.13 Possible Special Areas of Conservation (pSAC)

Records within 2000m	0

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

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

10.14 Potential Special Protection Areas (pSPA)

Records within 2000m	0

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

This data is sourced from Natural England.

10.15 Nitrate Sensitive Areas

Records within 2000m	0

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

This data is sourced from Natural England.

10.16 Nitrate Vulnerable Zones

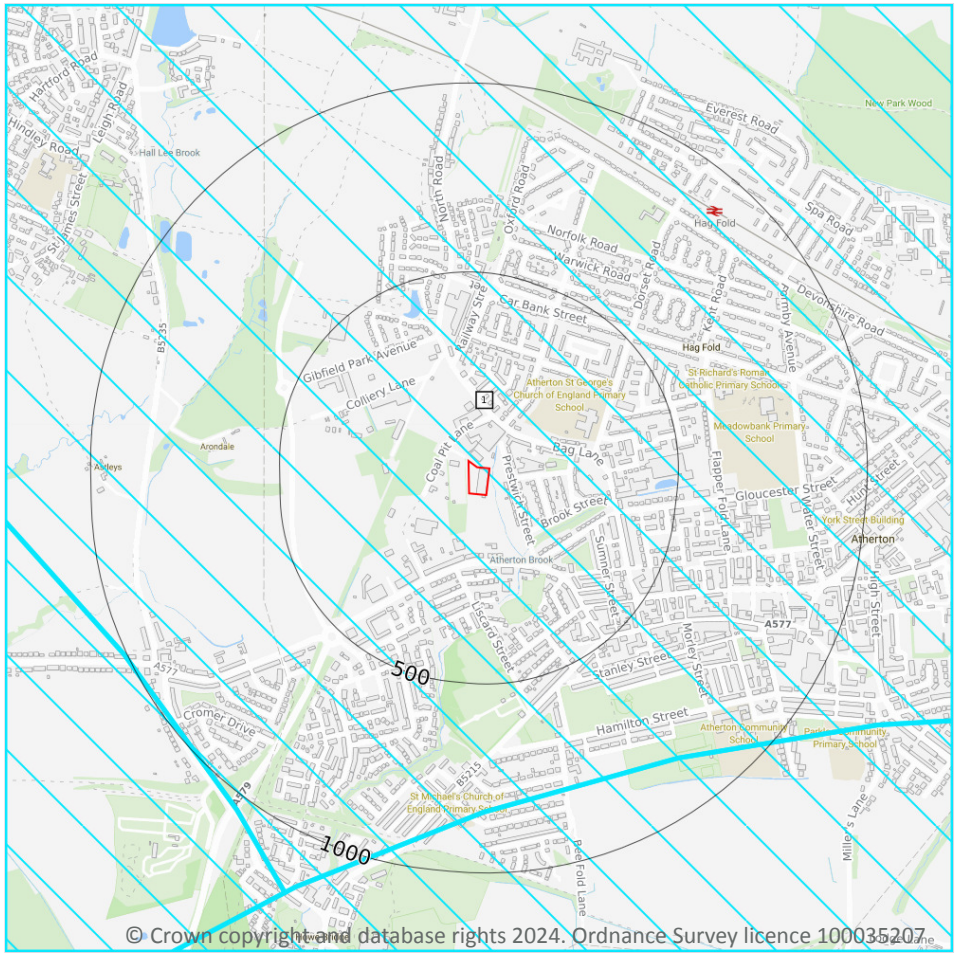
Records within 2000m	1

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

Location	Name	Type	NVZ ID	Status
On site	**River Glaze NVZ**	**Surface Water**	**641**	**Existing**

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 78 >**

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

11.1 World Heritage Sites

Records within 250m	0

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

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

11.2 Area of Outstanding Natural Beauty

Records within 250m	0

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

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

11.3 National Parks

Records within 250m	0

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

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

11.4 Listed Buildings

Records within 250m	0

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

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

11.5 Conservation Areas

Records within 250m	0

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

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

11.6 Scheduled Ancient Monuments

Records within 250m	0

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

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

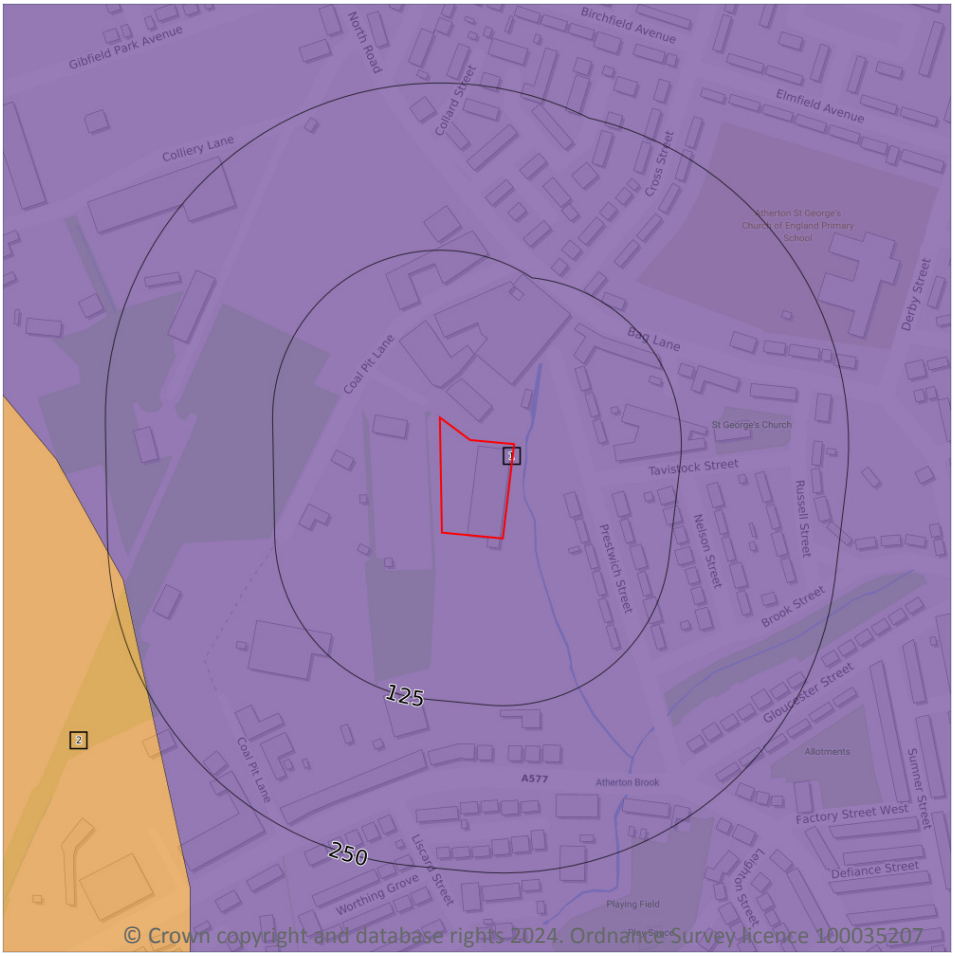
11.7 Registered Parks and Gardens

Records within 250m	0

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

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

12 Agricultural designations



Site Outline

Search buffers in metres (m)

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

12.1 Agricultural Land Classification

Records within 250m	2

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 82 >**

ID	Location	Classification	Description
1	**On site**	**Urban**	**Non-agricultural/no quality assigned**
2	240m W	Grade 3	Good to moderate quality agricultural land. Land with moderate limitations which affect the choice of crops, timing and type of cultivation, harvesting or the level of yield. Where more demanding crops are grown yields are generally lower or more variable than on land in Grades 1 and 2.

This data is sourced from Natural England.

12.2 Open Access Land

Records within 250m	0

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

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

12.3 Tree Felling Licences

Records within 250m	0

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

This data is sourced from the Forestry Commission.

12.4 Environmental Stewardship Schemes

Records within 250m	0

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

This data is sourced from Natural England.

12.5 Countryside Stewardship Schemes

Records within 250m	0

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

This data is sourced from Natural England.

13 Habitat designations

13.1 Priority Habitat Inventory

Records within 250m	0

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

This data is sourced from Natural England.

13.2 Habitat Networks

Records within 250m	0

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

This data is sourced from Natural England.

13.3 Open Mosaic Habitat

Records within 250m	0

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

This data is sourced from Natural England.

13.4 Limestone Pavement Orders

Records within 250m	0

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

This data is sourced from Natural England.

14 Geology 1:10,000 scale - Availability

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 85 >**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	**On site**	**Full**	**Partial**	**Full**	**No coverage**	**SD60SE**

This data is sourced from the British Geological Survey.

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

14.2 Artificial and made ground (10k)

Records within 500m	0

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.

This data is sourced from the British Geological Survey.

Geology 1:10,000 scale - Superficial

14.3 Superficial geology (10k)

Records within 500m	0

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

This data is sourced from the British Geological Survey.

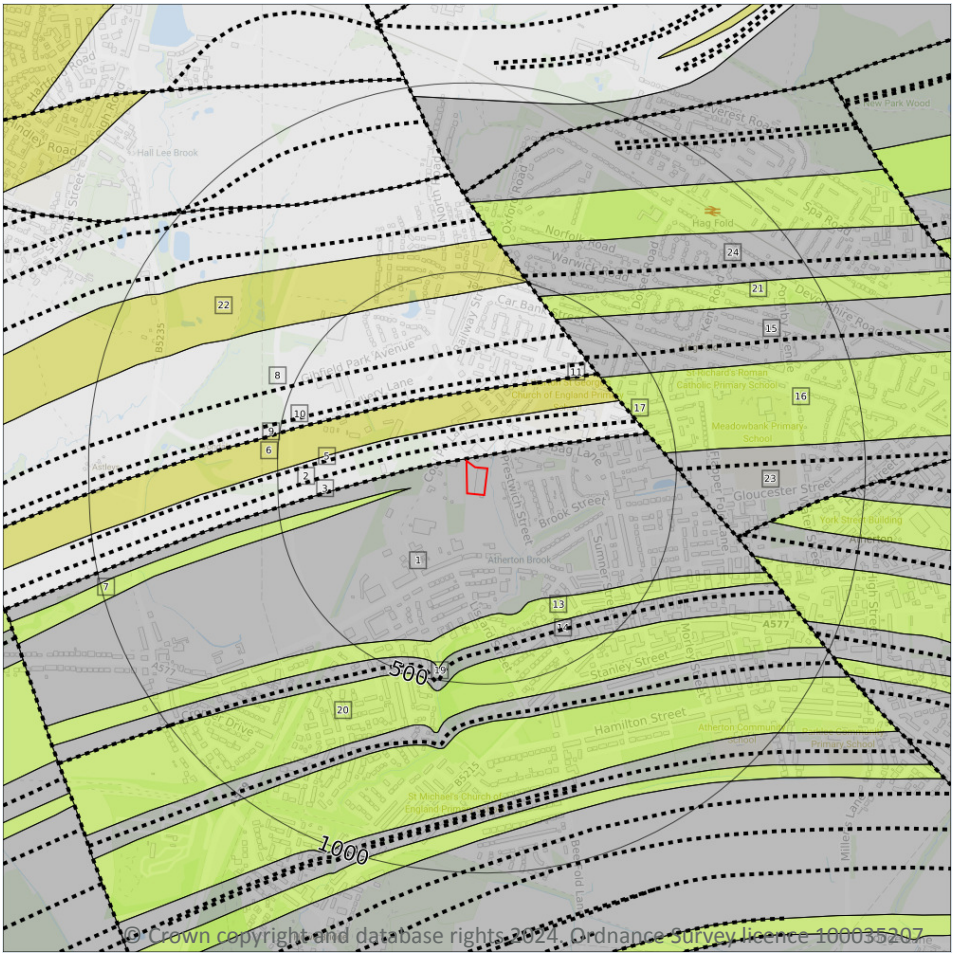
14.4 Landslip (10k)

Records within 500m	0

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

This data is sourced from the British Geological Survey.

Geology 1:10,000 scale - Bedrock



Site Outline

Search buffers in metres (m)

Bedrock faults and other linear features (10k)

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

14.5 Bedrock geology (10k)

Records within 500m **14**

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 88 >**

ID	Location	LEX Code	Description	Rock age
1	**On site**	**PMCM-MDSS**	**Pennine Middle Coal Measures Formation - Mudstone, Siltstone And Sandstone**	**Bolsovian Sub-age - Duckmantian Sub-age**
2	6m NW	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age
6	99m N	PLCM-SDST	Pennine Lower Coal Measures Formation - Sandstone	Langsettian Sub-age

ID	Location	LEX Code	Description	Rock age
7	153m W	PMCM-SDST	Pennine Middle Coal Measures Formation - Sandstone	Bolsovian Sub-age - Duckmantian Sub-age
8	181m N	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age
13	307m SE	PMCM-SDST	Pennine Middle Coal Measures Formation - Sandstone	Bolsovian Sub-age - Duckmantian Sub-age
14	374m S	PMCM-MDSS	Pennine Middle Coal Measures Formation - Mudstone, Siltstone And Sandstone	Bolsovian Sub-age - Duckmantian Sub-age
15	383m NE	PMCM-MDSS	Pennine Middle Coal Measures Formation - Mudstone, Siltstone And Sandstone	Bolsovian Sub-age - Duckmantian Sub-age
16	383m NE	PR-SDST	Peel Hall Rock - Sandstone	Duckmantian Sub-age
20	428m S	PMCM-SDST	Pennine Middle Coal Measures Formation - Sandstone	Bolsovian Sub-age - Duckmantian Sub-age
21	433m NE	PMCM-SDST	Pennine Middle Coal Measures Formation - Sandstone	Bolsovian Sub-age - Duckmantian Sub-age
22	439m N	CAR-SDST	Cannel Rock (south Lancashire) - Sandstone	Langsettian Sub-age
23	469m E	PMCM-MDSS	Pennine Middle Coal Measures Formation - Mudstone, Siltstone And Sandstone	Bolsovian Sub-age - Duckmantian Sub-age
24	474m N	PMCM-MDSS	Pennine Middle Coal Measures Formation - Mudstone, Siltstone And Sandstone	Bolsovian Sub-age - Duckmantian Sub-age

This data is sourced from the British Geological Survey.

14.6 Bedrock faults and other linear features (10k)

Records within 500m **10**

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.

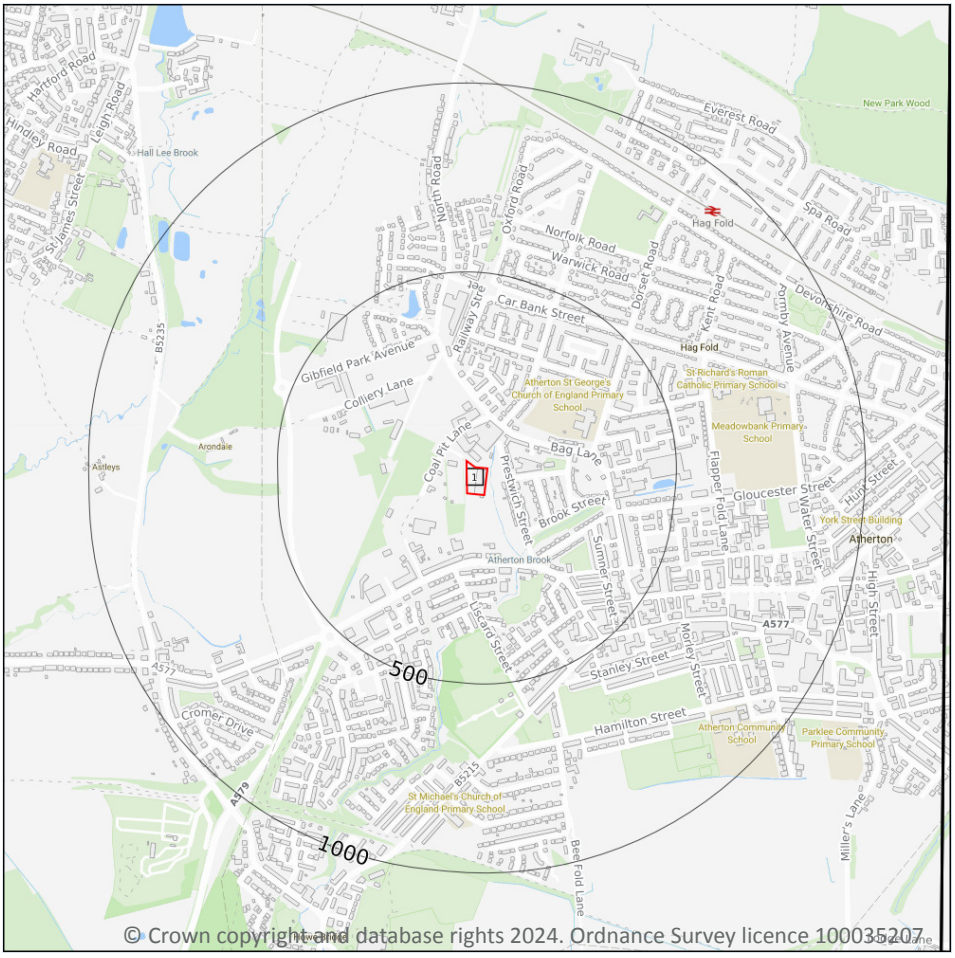
Features are displayed on the Geology 1:10,000 scale - Bedrock map on **page 88 >**

ID	Location	Category	Description
3	6m NW	ROCK	Coal seam, inferred coincident with bedrock geology boundary
4	48m N	ROCK	Coal seam, inferred
5	87m N	FOSSIL_HORIZON	Fossil horizon, mussel band
9	181m N	ROCK	Coal seam, inferred coincident with bedrock geology boundary

ID	Location	Category	Description
10	205m N	ROCK	Coal seam, inferred
11	262m NE	ROCK	Coal seam, observed coincident with bedrock geology boundary
12	288m N	ROCK	Coal seam, inferred
17	383m NE	FAULT	Normal fault, inferred; crossmarks on downthrow side
18	391m NE	ROCK	Coal seam, inferred
19	399m S	ROCK	Coal seam, inferred

This data is sourced from the British Geological Survey.

15 Geology 1:50,000 scale - Availability



15.1 50k Availability

Records within 500m	1

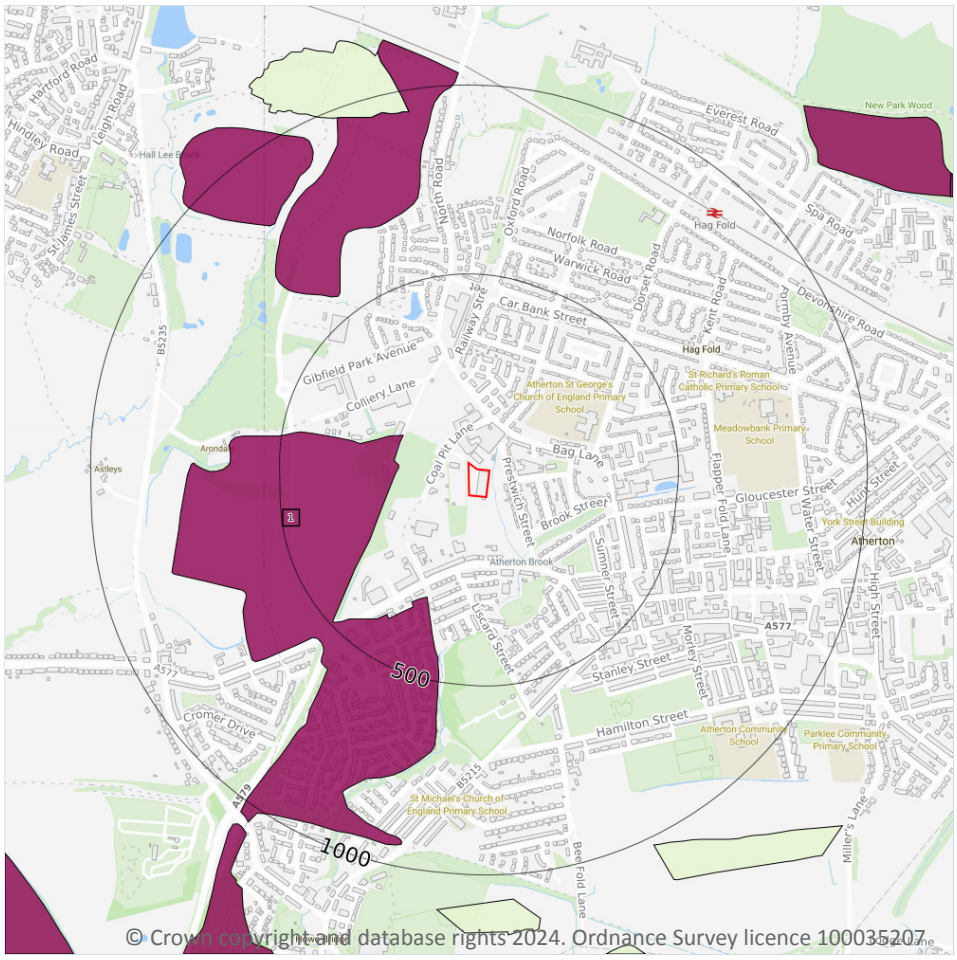
An indication on the coverage of 1:50,000 scale geology data for the site. Either 'Full' or 'No coverage' for each geological theme.

Features are displayed on the Geology 1:50,000 scale - Availability map on **page 91 >**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	**On site**	**No coverage**	**Full**	**Full**	**No coverage**	**EW084_wigan_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 92 >**

ID	Location	LEX Code	Description	Rock description
1	185m W	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT

This data is sourced from the British Geological Survey.

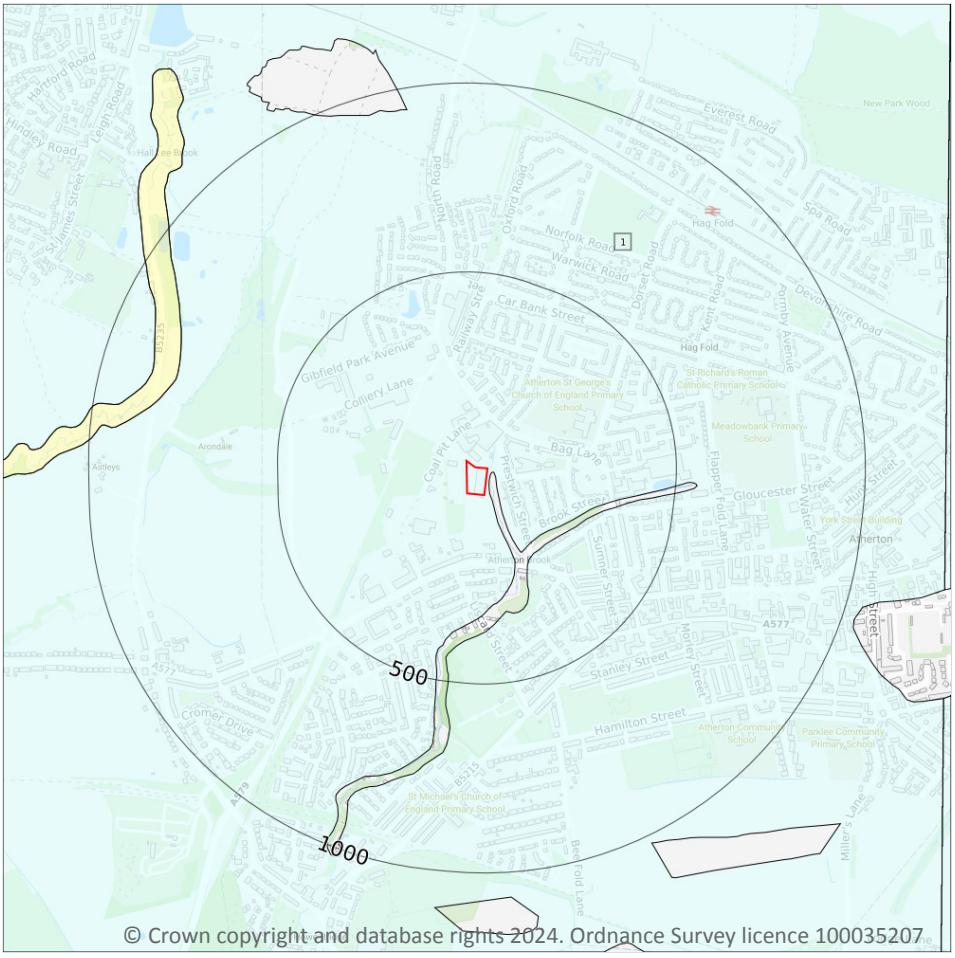
15.3 Artificial ground permeability (50k)

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 **1**

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

Features are displayed on the Geology 1:50,000 scale - Superficial map on **page 94 >**

ID	Location	LEX Code	Description	Rock description
1	**On site**	**TILLD-CSVZ**	**TILL, DEVENSIAN**	**CLAY, SANDY, GRAVELLY, SILTY**

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**	**Moderate**	**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.

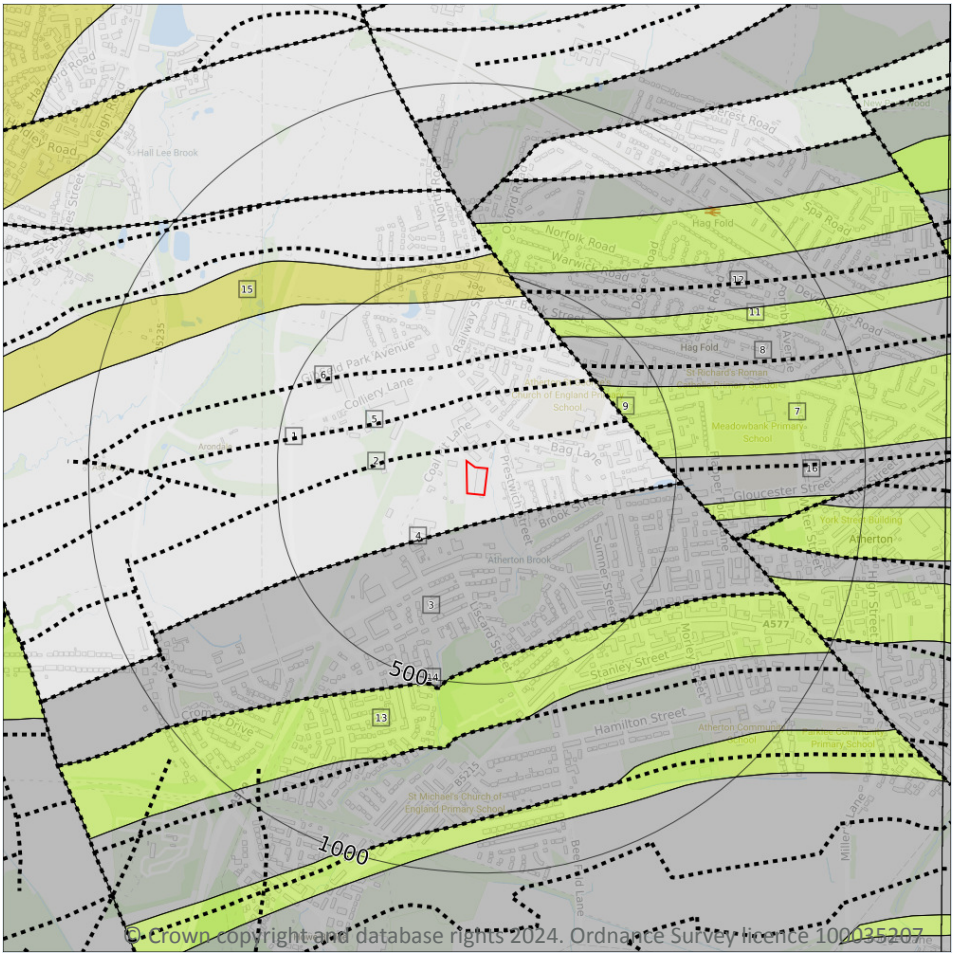
15.7 Landslip permeability (50k)

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 **9**

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 96 >**

ID	Location	LEX Code	Description	Rock age
1	**On site**	**PLCM-MDST**	**PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE**	**WESTPHALIAN**
3	70m S	PMCM-MDSS	PENNINE MIDDLE COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
7	367m NE	PR-SDST	PEEL HALL ROCK - SANDSTONE	WESTPHALIAN

ID	Location	LEX Code	Description	Rock age
8	367m NE	PMCM-MDSS	PENNINE MIDDLE COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
11	395m NE	PMCM-SDST	PENNINE MIDDLE COAL MEASURES FORMATION - SANDSTONE	WESTPHALIAN
12	424m NE	PMCM-MDSS	PENNINE MIDDLE COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
13	424m S	PMCM-SDST	PENNINE MIDDLE COAL MEASURES FORMATION - SANDSTONE	WESTPHALIAN
15	426m N	CAR-SDST	CANNEL ROCK (SOUTH LANCASHIRE) - SANDSTONE	WESTPHALIAN
16	455m E	PMCM-MDSS	PENNINE MIDDLE 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**	**Low**	**Low**

This data is sourced from the British Geological Survey.

15.10 Bedrock faults and other linear features (50k)

Records within 500m	**9**

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.

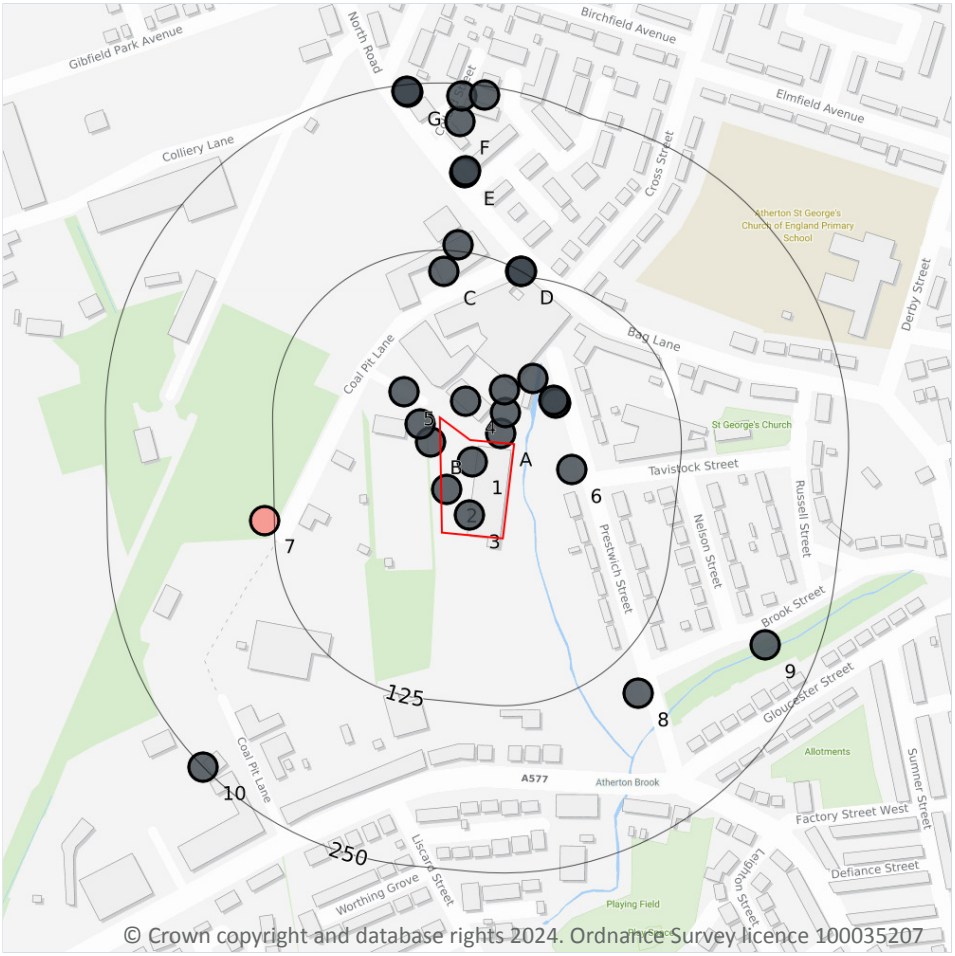
Features are displayed on the Geology 1:50,000 scale - Bedrock map on **page 96 >**

ID	Location	Category	Description
2	33m N	ROCK	Coal seam, inferred
4	70m S	FOSSIL_HORIZON	Marine band
5	159m N	ROCK	Coal seam, inferred

ID	Location	Category	Description
6	255m N	ROCK	Coal seam, inferred
9	367m NE	FAULT	Fault, inferred
10	370m NE	ROCK	Coal seam, inferred
14	424m S	ROCK	Coal seam, inferred
17	471m N	ROCK	Coal seam, inferred
18	484m E	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	29

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.

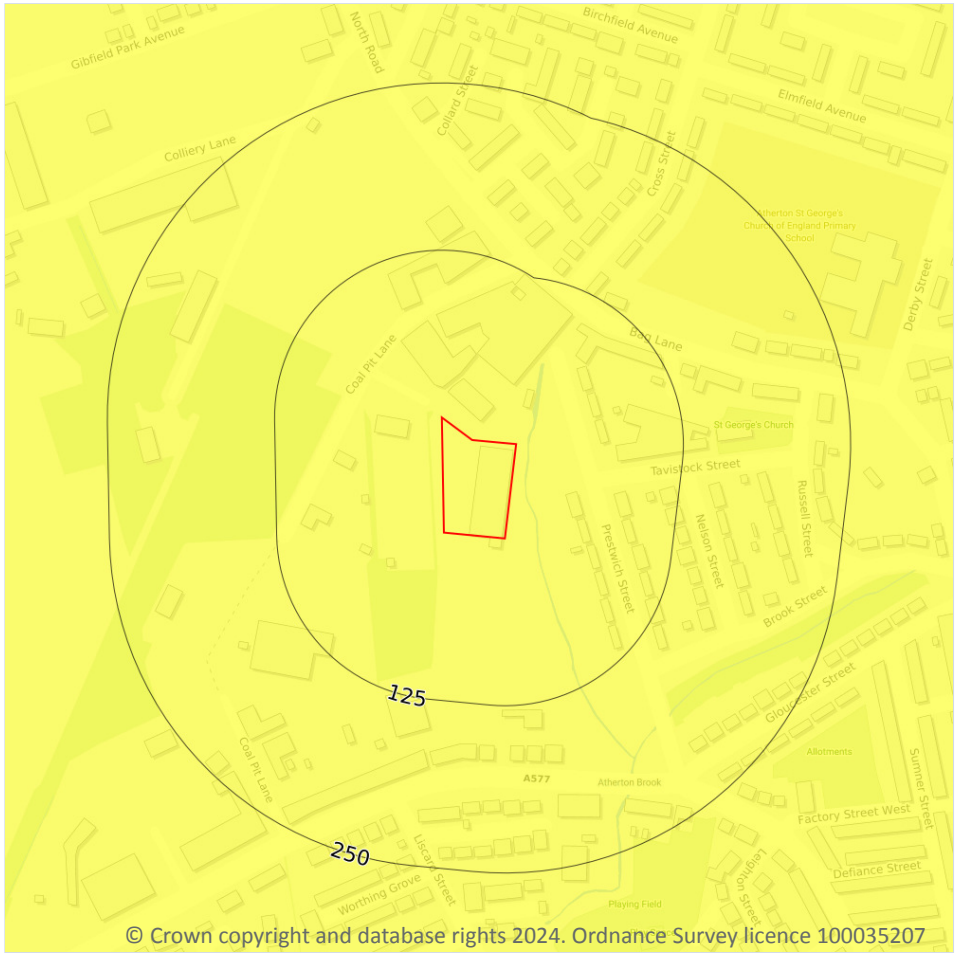
Features are displayed on the Boreholes map on **page 99 >**

ID	Location	Grid reference	Name	Length	Confidential	Web link
1	On site	366751 403508	INDUSTRIAL DEVELOPMENT BH6	-	Y	N/A
2	On site	366732 403487	INDUSTRIAL DEVELOPMENT BH9	-	Y	N/A
3	On site	366749 403468	INDUSTRIAL DEVELOPMENT BH8	-	Y	N/A

ID	Location	Grid reference	Name	Length	Confidential	Web link
A	7m NE	366772 403529	INDUSTRIAL DEVELOPMENT BH5	-	Y	N/A
B	7m NW	366720 403523	INDUSTRIAL DEVELOPMENT BH3	-	Y	N/A
B	15m NW	366712 403536	INDUSTRIAL DEVELOPMENT BH4	-	Y	N/A
4	21m N	366746 403553	INDUSTRIAL DEVELOPMENT BH12	-	Y	N/A
A	23m NE	366776 403545	INDUSTRIAL DEVELOPMENT BH11	-	Y	N/A
5	33m NW	366700 403560	INDUSTRIAL DEVELOPMENT BH1	-	Y	N/A
A	40m N	366775 403562	INDUSTRIAL DEVELOPMENT BH2	-	Y	N/A
A	44m NE	366813 403552	Leigh and Glazebury(4) and Bag Lane DG5 BH4	-	Y	N/A
A	44m NE	366812 403554	Leigh and Glazebury(4) and Bag Lane DG5 BHR4	-	Y	N/A
6	45m E	366825 403502	Leigh and Glazebury(4) and Bag Lane DG5 BH5	-	Y	N/A
A	51m NE	366796 403570	INDUSTRIAL DEVELOPMENT BH10	-	Y	N/A
C	109m N	366730 403650	COAL PIT LANE BH1	-	Y	N/A
D	125m N	366787 403650	Leigh and Glazebury(4) and Bag Lane DG5 BH3	-	Y	N/A
D	125m N	366788 403650	Leigh and Glazebury(4) and Bag Lane DG5 BHR3	-	Y	N/A
C	130m N	366740 403670	COAL PIT LANE BH2	-	Y	N/A
7	132m W	366596 403464	GIB FIELD COLLIERY NEW UPCAST	356.46	N	14359 ↗
8	154m SE	366875 403335	Leigh and Glazebury(4) and Bag Lane DG5 BH6	-	Y	N/A
E	184m N	366745 403724	Leigh and Glazebury(4) and Bag Lane DG5 BHR2	-	Y	N/A
E	185m N	366746 403725	Leigh and Glazebury(4) and Bag Lane DG5 BH2	-	Y	N/A
9	212m SE	366970 403371	Leigh and Glazebury(4) and Bag Lane DG5 BH7	-	Y	N/A
F	222m N	366742 403762	COLLARD STREET TP4	-	Y	N/A
F	241m N	366743 403781	COLLARD STREET TP7	-	Y	N/A
F	243m N	366760 403782	COLLARD STREET TP3	-	Y	N/A
G	244m N	366703 403784	Leigh and Glazebury(4) and Bag Lane DG5 BHR1	-	Y	N/A
G	245m N	366702 403785	Leigh and Glazebury(4) and Bag Lane DG5 BH1	-	Y	N/A
10	250m SW	366550 403280	COAL PIT LANE ATHERTON 2	-	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

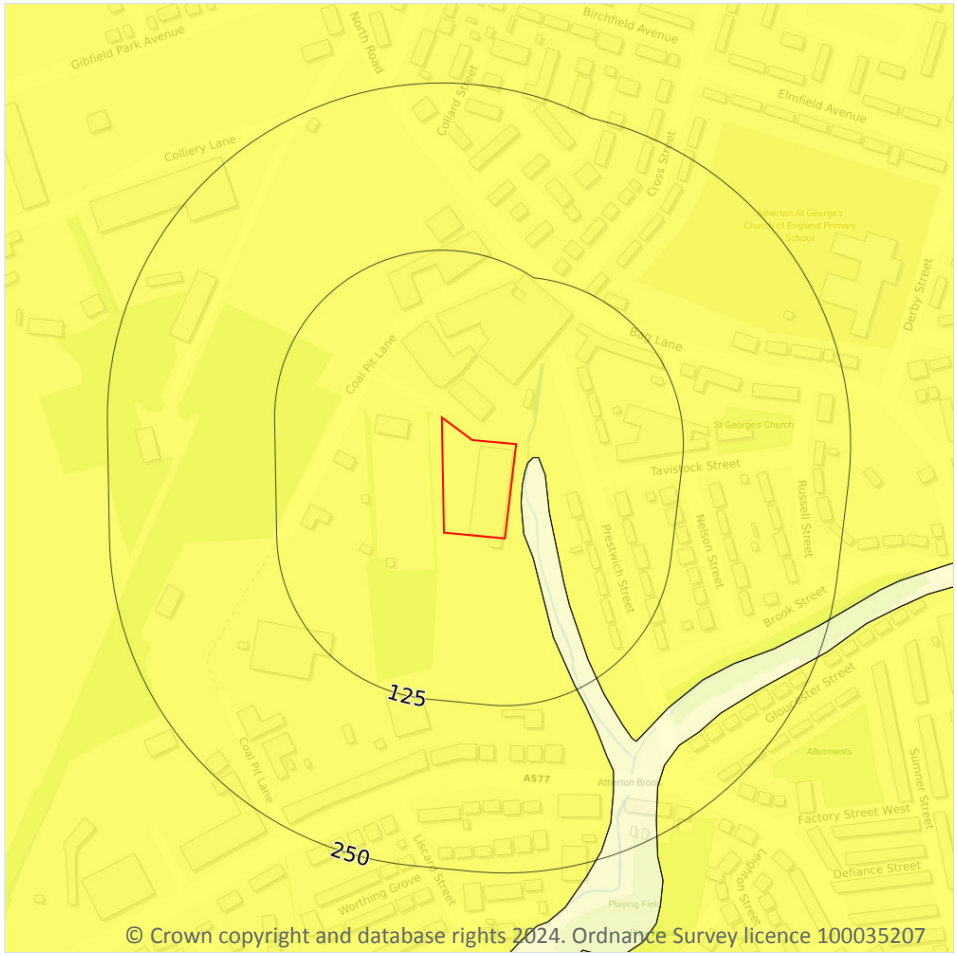
The potential hazard presented by soils that absorb water when wet (making them swell), and lose water as they dry (making them shrink). This shrink-swell behaviour is controlled by the type and amount of clay in the soil, and by seasonal changes in the soil moisture content (related to rainfall and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

Features are displayed on the Natural ground subsidence - Shrink swell clays map on **page 101 >**

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	2

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.

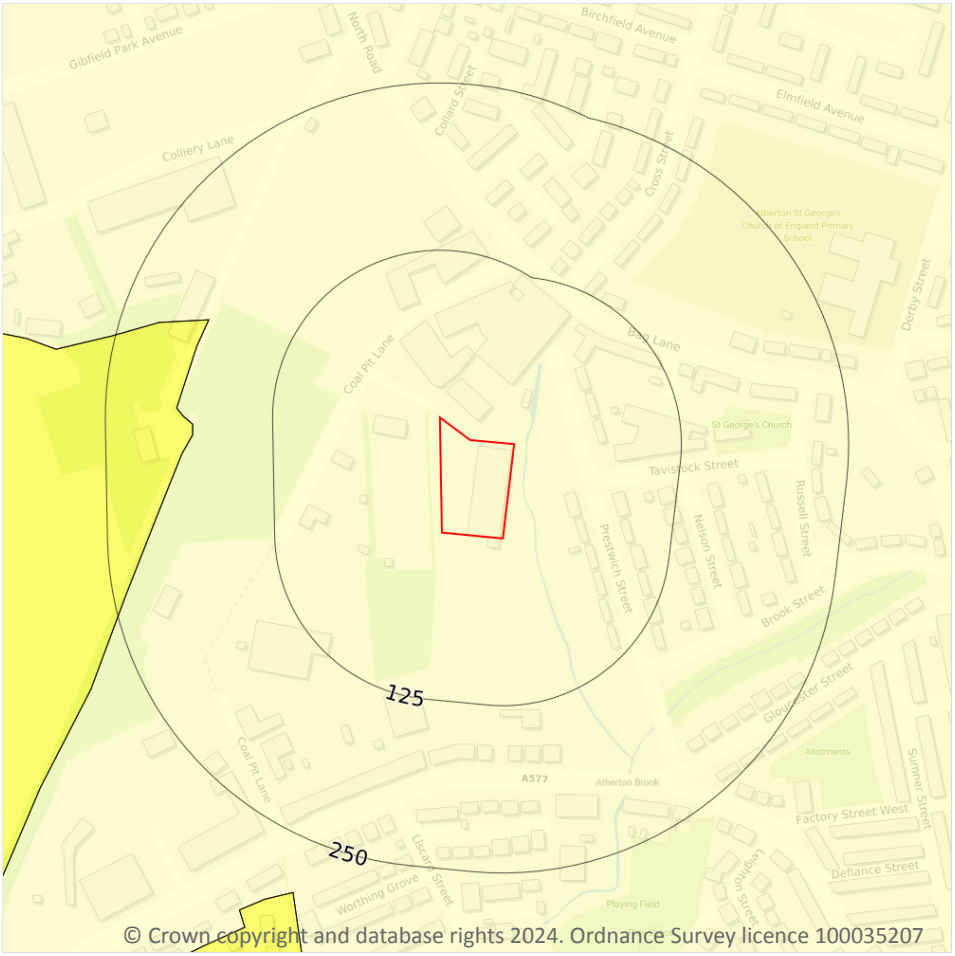
Features are displayed on the Natural ground subsidence - Running sands map on **page 102 >**

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.**

Location	Hazard rating	Details
8m E	Negligible	Running sand conditions are not thought to occur whatever the position of the water table. No identified constraints on lands use due to running conditions.

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

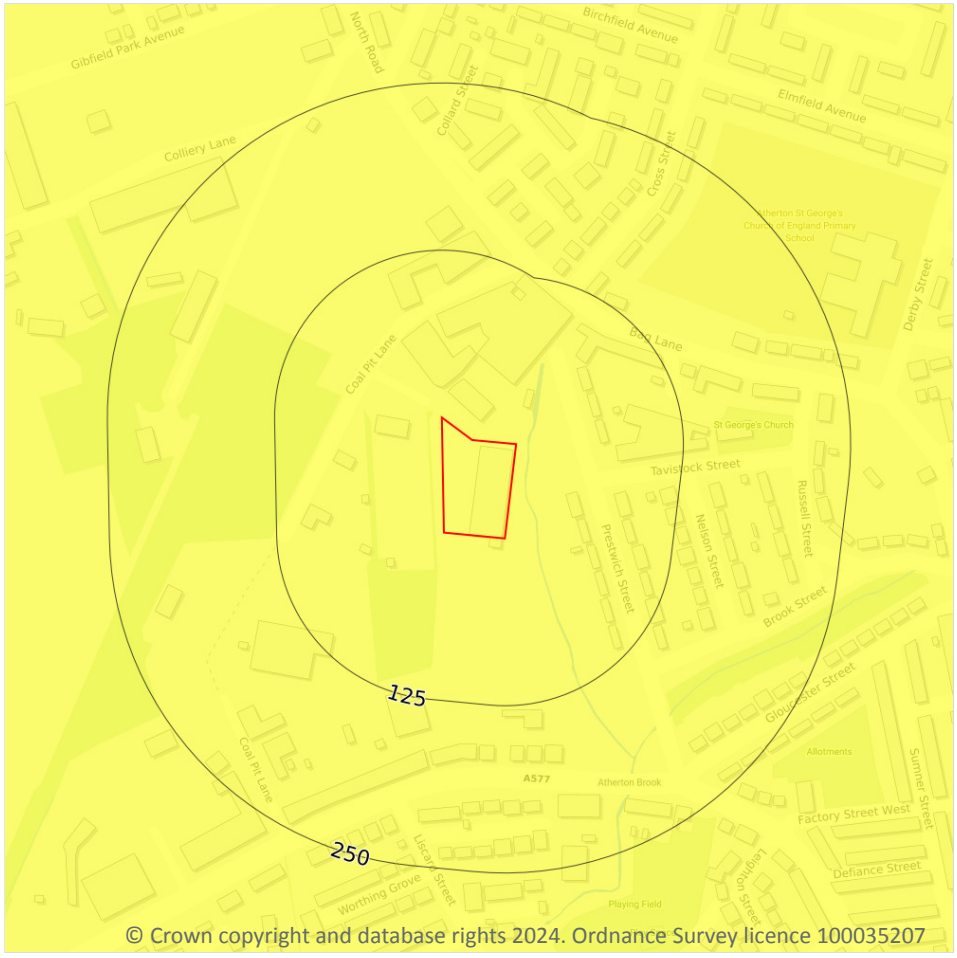
The potential hazard presented by types of ground that may contain layers of very soft materials like clay or peat and may compress if loaded by overlying structures, or if the groundwater level changes, potentially resulting in depression of the ground and disturbance of foundations.

Features are displayed on the Natural ground subsidence - Compressible deposits map on **page 104 >**

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

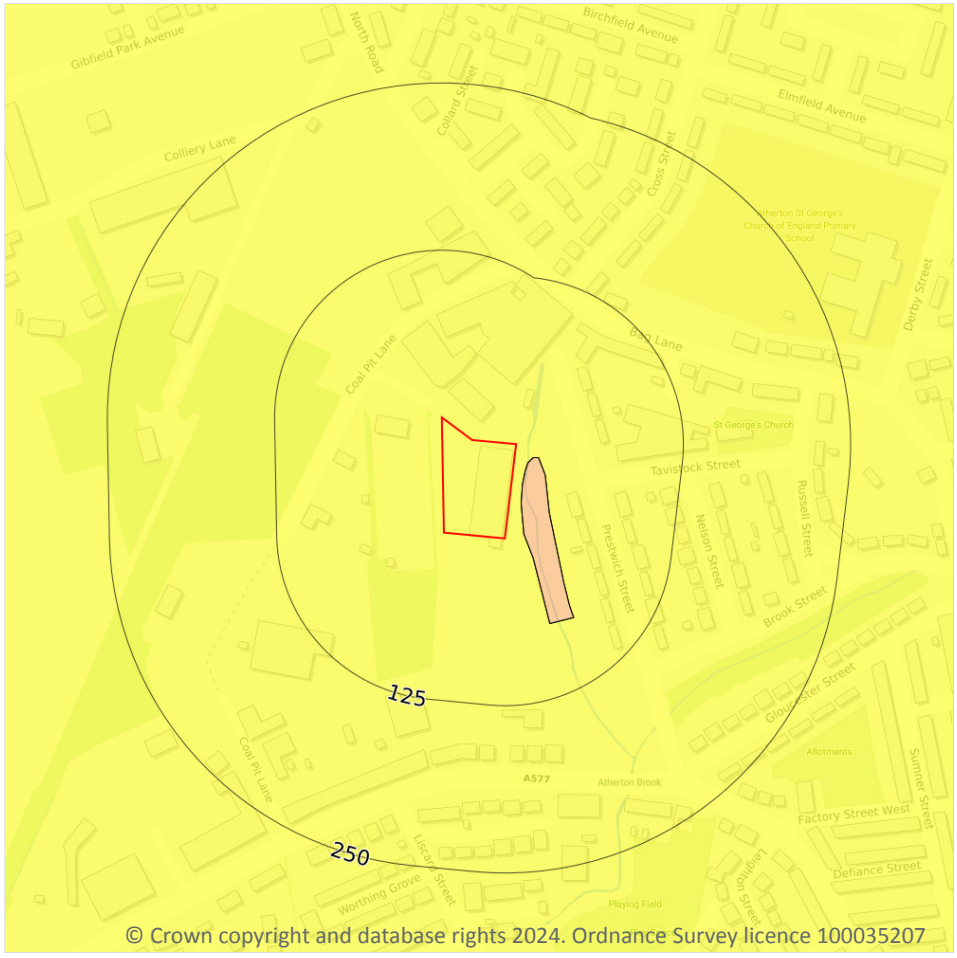
The potential hazard presented by natural deposits that could collapse when a load (such as a building) is placed on them or they become saturated with water.

Features are displayed on the Natural ground subsidence - Collapsible deposits map on **page 105 >**

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

This data is sourced from the British Geological Survey.

Natural ground subsidence - Landslides



Site Outline

Search buffers in metres (m)

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

17.5 Landslides

Records within 50m	2

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.

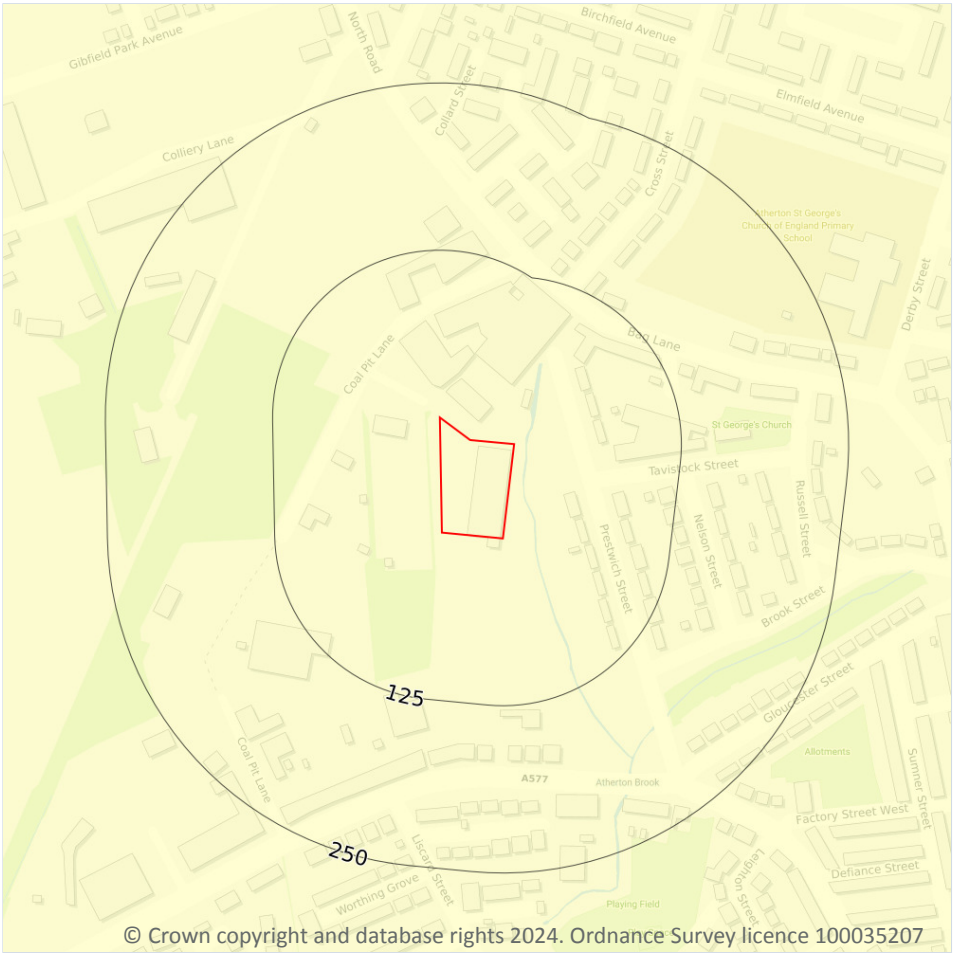
Features are displayed on the Natural ground subsidence - Landslides map on **page 106 >**

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.**

Location	Hazard rating	Details
8m E	Low	Slope instability problems may be present or anticipated. Site investigation should consider specifically the slope stability of the site.

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

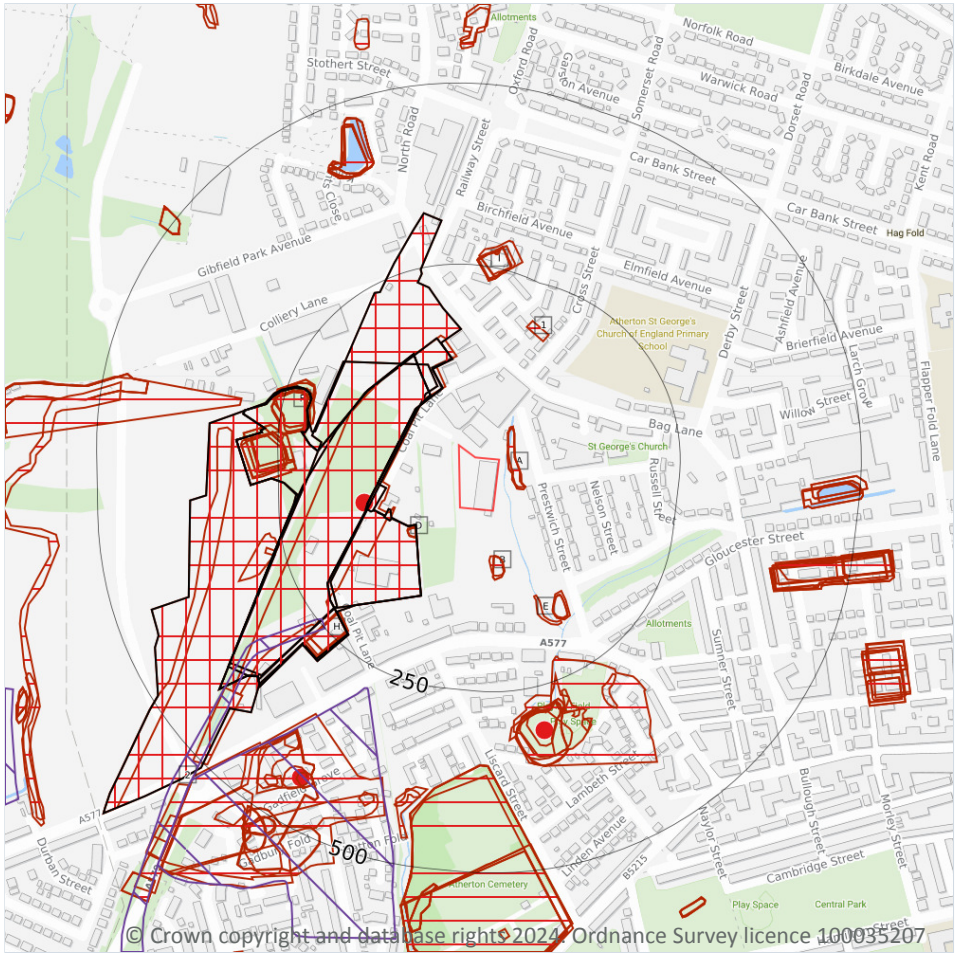
The potential hazard presented by ground dissolution, which occurs when water passing through soluble rocks produces underground cavities and cave systems. These cavities reduce support to the ground above and can cause localised collapse of the overlying rocks and deposits.

Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on **page 108 >**

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

This data is sourced from the British Geological Survey.

18 Mining and ground workings



Site Outline

Search buffers in metres (m)

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

Non Coal Mining

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

18.1 BritPits

Records within 500m	3

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

Features are displayed on the Mining and ground workings map on **page 110 >**

ID	Location	Details	Description
C	132m W	Name: Gib Field Colliery Address: Gadbury Fold, Atherton, MANCHESTER, Lancashire Commodity: Coal, Deep Status: Ceased	Type: Working is wholly underground, access by shaft, adit or drift. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun Ee - Scots) Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
G	311m S	Name: Atherton Brickworks Address: Gadbury Fold, Atherton, MANCHESTER, Lancashire Commodity: Clay & Shale Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
J	433m SW	Name: Gadbury Brick Works Address: Gadbury Fold, Atherton, MANCHESTER, Lancashire Commodity: Clay & Shale Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority

This data is sourced from the British Geological Survey.

18.2 Surface ground workings

Records within 250m **51**

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

Features are displayed on the Mining and ground workings map on **page 110 >**

ID	Location	Land Use	Year of mapping	Mapping scale
A	12m NE	Refuse Heap	1948	1:10560
A	12m NE	Refuse Heap	1927	1:10560
A	14m NE	Refuse Heap	1938	1:10560
B	63m S	Unspecified Pit	1938	1:10560
B	63m S	Unspecified Pit	1948	1:10560
B	63m S	Unspecified Pit	1927	1:10560

ID	Location	Land Use	Year of mapping	Mapping scale
C	65m SW	Collieries	1938	1:10560
C	65m SW	Collieries	1927	1:10560
D	66m SW	Unspecified Heap	1938	1:10560
D	67m SW	Unspecified Heap	1927	1:10560
D	68m SW	Unspecified Heap	1948	1:10560
C	72m NW	Colliery	1892	1:10560
C	73m NW	Colliery	1956	1:10560
C	76m NW	Collieries	1948	1:10560
C	76m NW	Collieries	1907	1:10560
E	131m SE	Unspecified Pit	1948	1:10560
E	144m SE	Refuse Heap	1948	1:10560
E	147m SE	Refuse Heap	1927	1:10560
E	147m SE	Refuse Heap	1938	1:10560
1	174m NE	Reservoir	1907	1:10560
F	204m W	Pond	1966	1:10560
F	204m W	Reservoir	1956	1:10560
F	206m W	Pond	1892	1:10560
F	211m NW	Pond	1974	1:10000
F	211m NW	Pond	1987	1:10000
F	213m W	Reservoir	1948	1:10560
F	213m W	Reservoirs	1927	1:10560
F	213m W	Reservoir	1907	1:10560
F	213m W	Reservoirs	1938	1:10560
G	219m SE	Brick Works	1907	1:10560
H	220m SW	Pond	1966	1:10560
H	220m SW	Reservoir	1956	1:10560
H	224m SW	Reservoir	1938	1:10560
H	224m SW	Reservoir	1948	1:10560

ID	Location	Land Use	Year of mapping	Mapping scale
H	224m SW	Reservoir	1927	1:10560
H	224m SW	Reservoir	1907	1:10560
F	225m W	Reservoirs	1927	1:10560
F	225m W	Reservoirs	1907	1:10560
F	228m W	Pond	1966	1:10560
F	228m W	Reservoir	1956	1:10560
I	231m N	Pond	1948	1:10560
I	231m N	Pond	1927	1:10560
I	231m N	Pond	1907	1:10560
I	234m N	Pond	1938	1:10560
F	237m W	Reservoir	1892	1:10560
I	238m N	Pond	1956	1:10560
F	239m W	Pond	1974	1:10000
F	239m W	Pond	1987	1:10000
F	240m W	Pond	1948	1:10560
I	240m N	Pond	1892	1:10560
G	243m S	Unspecified Pit	1956	1:10560

This is data is sourced from Ordnance Survey/Groundsure.

18.3 Underground workings

Records within 1000m	**6**

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

Features are displayed on the Mining and ground workings map on **page 110 >**

ID	Location	Land Use	Year of mapping	Mapping scale
C	65m SW	Collieries	1938	1:10560
C	65m SW	Collieries	1927	1:10560
C	73m NW	Colliery	1956	1:10560

ID	Location	Land Use	Year of mapping	Mapping scale
C	76m NW	Collieries	1948	1:10560
C	76m NW	Collieries	1907	1:10560
-	729m S	Unspecified Old Shaft	1907	1:10560

This is data is sourced from Ordnance Survey/Groundsure.

18.4 Underground mining extents

Records within 500m	0

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

This data is sourced from Groundsure.

18.5 Historical Mineral Planning Areas

Records within 500m	2

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.

Features are displayed on the Mining and ground workings map on **page 110 >**

ID	Location	Site Name	Mineral	Type	Planning Status	Planning Status Date
2	245m SW	Millers Lane	Coal	Surface mineral working	Valid	5/9/78
J	280m SW	Gadbury Shale Hole	Clay, shale, bricks	Surface mineral working	Valid	12/6/47

This data is sourced from the British Geological Survey.

18.6 Non-coal mining

Records within 1000m	0

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

This data is sourced from the British Geological Survey.

18.7 JPB mining areas

Records on site	1

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

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

This data is sourced from Johnson Poole and Bloomer.

18.8 The Coal Authority non-coal mining

Records within 500m	0

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

This data is sourced from The Coal Authority.

18.9 Researched mining

Records within 500m	0

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

This data is sourced from Groundsure.

18.10 Mining record office plans

Records within 500m	0

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

This data is sourced from Groundsure.

18.11 BGS mine plans

Records within 500m	0

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

This data is sourced from Groundsure.

18.12 Coal mining

Records on site	1

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

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

This data is sourced from the Coal Authority.

18.13 Brine areas

Records on site	0

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

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

18.14 Gypsum areas

Records on site	0

Generalised areas that may be affected by gypsum extraction.

This data is sourced from British Gypsum.

18.15 Tin mining

Records on site	0

Generalised areas that may be affected by historical tin mining.

This data is sourced from Groundsure.

18.16 Clay mining

Records on site	0

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

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

19 Ground cavities and sinkholes

19.1 Natural cavities

Records within 500m	0

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

This data is sourced from Stantec UK Ltd.

19.2 Mining cavities

Records within 1000m	0

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

This data is sourced from Stantec UK Ltd.

19.3 Reported recent incidents

Records within 500m	0

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

This data is sourced from Groundsure.

19.4 Historical incidents

Records within 500m	0

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

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

This data is sourced from Groundsure.

19.5 National karst database

Records within 500m	0

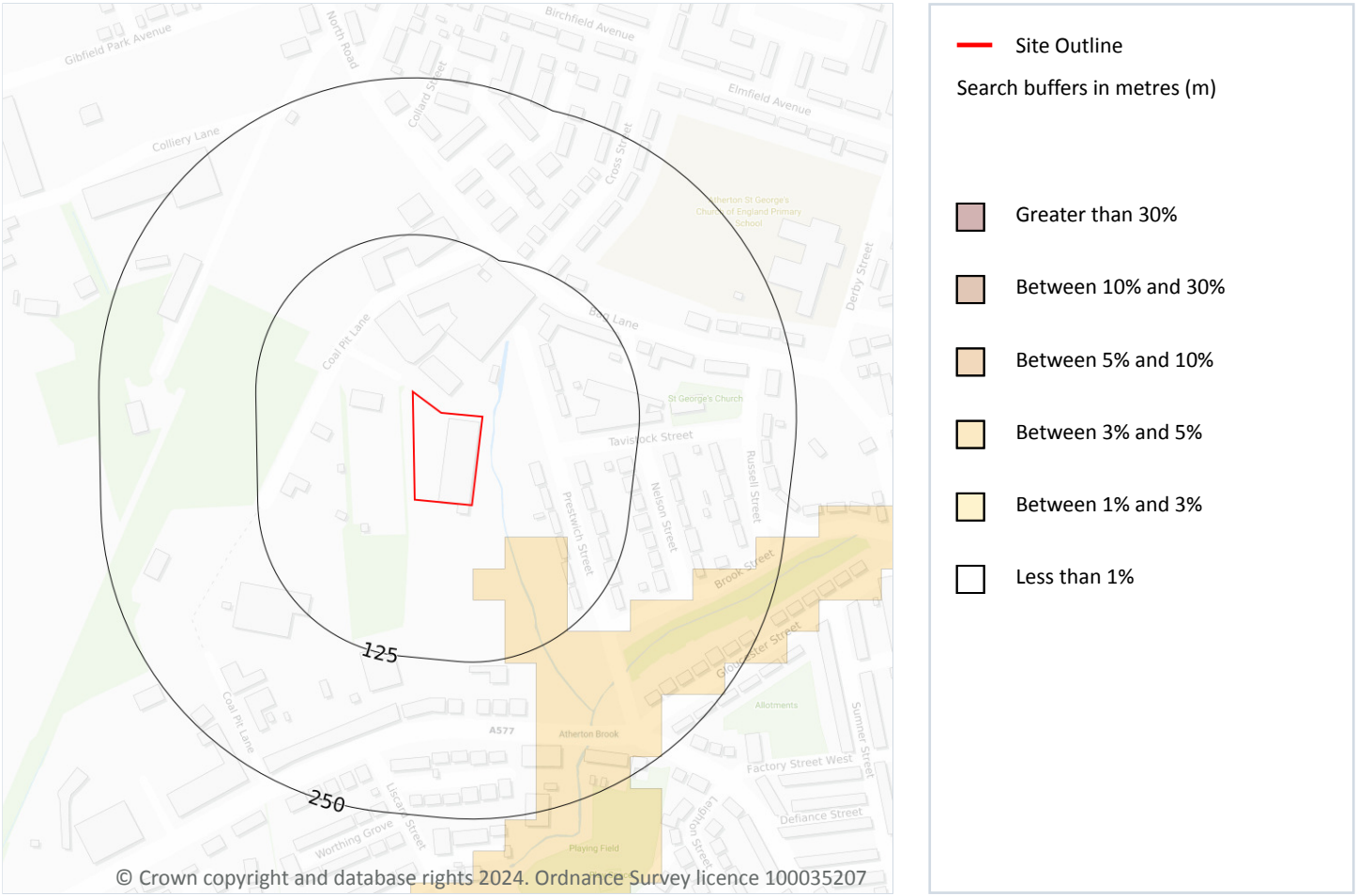
This is a comprehensive database of national karst information gathered from a wide range of sources. BGS have collected data on five main types of karst feature: Sinkholes, stream links, caves, springs, and incidences of associated damage to buildings, roads, bridges and other engineered works.

Since the database was set up in 2002 data covering most of the evaporite karst areas of the UK have now been added, along with data covering about 60% of the Chalk, and 35% of the Carboniferous Limestone outcrops. Many of the classic upland karst areas have yet to be included. Recorded so far are: Over 800 caves, 1300 stream sinks, 5600 springs, 10,000 sinkholes.

The database is not yet complete, and not all records have been verified. The absence of data does not mean that karst features are not present at a site. A reliability rating is included with each record.

This data is sourced from the British Geological Survey.

20 Radon



20.1 Radon

Records on site	1

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

Features are displayed on the Radon map on **page 120 >**

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

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

21 Soil chemistry

21.1 BGS Estimated Background Soil Chemistry

Records within 50m	3

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

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 mg/kg**

This data is sourced from the British Geological Survey.

21.2 BGS Estimated Urban Soil Chemistry

Records within 50m	0

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

This data is sourced from the British Geological Survey.

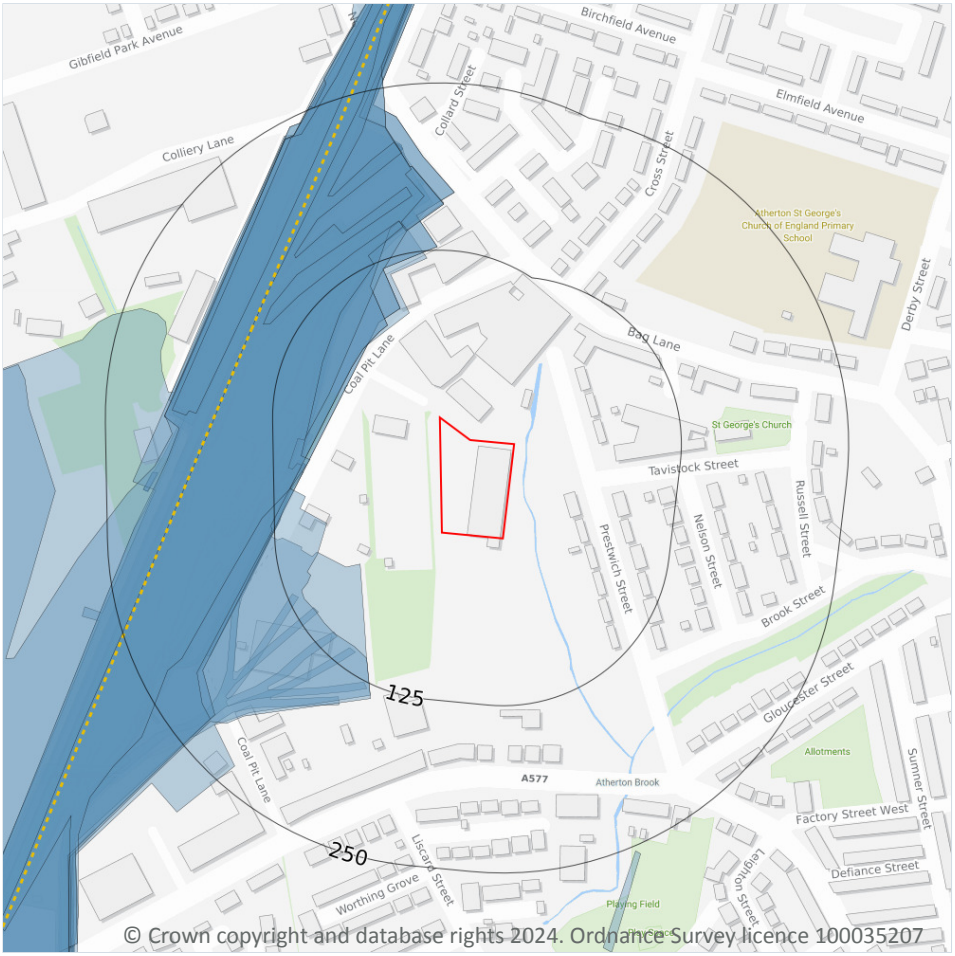
21.3 BGS Measured Urban Soil Chemistry

Records within 50m	0

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

This data is sourced from the British Geological Survey.

22 Railway infrastructure and projects



Site Outline

Search buffers in metres (m)

- Crossrail 1 Stations
- Crossrail 1 Route
- Crossrail 2 Stations
- Crossrail 2 Route
- Crossrail 2 Worksites
- Crossrail 2 Safeguarding
- Crossrail 2 Headhouses
- Railway stations
- Active railways
- Active tunnels
- Abandoned railways
- Historic railways
- Historic tunnels
- Underground stations
- Underground Lines
- Royal Mail tunnels
- HS2 optimised route
- HS2 Stations
- HS2 Depots
- HS2 Surface Safeguarding
- HS2 Subsurface Safeguarding

22.1 Underground railways (London)

Records within 250m	0

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

This data is sourced from publicly available information by Groundsure.

22.2 Underground railways (Non-London)

Records within 250m	0

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

This data is sourced from publicly available information by Groundsure.

22.3 Railway tunnels

Records within 250m	0

Railway tunnels taken from contemporary Ordnance Survey mapping.

This data is sourced from the Ordnance Survey.

22.4 Historical railway and tunnel features

Records within 250m	25

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 123 >**

Location	Land Use	Year of mapping	Mapping scale
65m SW	Railway Sidings	1938	10560
73m NW	Railway Sidings	1966	10560
73m NW	Railway Sidings	1956	10560
76m NW	Railway Sidings	1948	10560
76m NW	Railway Sidings	1907	10560
83m NW	Railway Sidings	1927	10560
90m NW	Railway Sidings	1952	2500
92m NW	Railway Sidings	1959	1250
92m NW	Railway Sidings	1952	1250
92m NW	Railway Sidings	1963	1250
93m NW	Railway Sidings	1936	2500
95m NW	Railway Sidings	1892	10560
95m NW	Railway Sidings	1966	2500
98m NW	Railway Sidings	1908	2500
98m NW	Railway Sidings	1928	2500
99m NW	Railway Sidings	1893	2500
108m W	Railway Sidings	1952	1250

Location	Land Use	Year of mapping	Mapping scale
166m NW	Railway Sidings	1892	10560
167m NW	Railway Sidings	1893	2500
167m NW	Railway Sidings	1908	2500
167m NW	Railway Sidings	1928	2500
176m SW	Railway Sidings	1952	1250
190m W	Railway Sidings	1952	1250
212m W	Railway Sidings	1970	1250
212m W	Railway Sidings	1952	1250

This data is sourced from Ordnance Survey/Groundsure.

22.5 Royal Mail tunnels

Records within 250m	0

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

This data is sourced from Groundsure/the Postal Museum.

22.6 Historical railways

Records within 250m	2

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

Features are displayed on the Railway infrastructure and projects map on **page 123 >**

Location	Description
155m NW	Abandoned
155m NW	Razed

This data is sourced from OpenStreetMap.

22.7 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.

22.8 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.

22.9 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.

22.10 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: www.groundsure.com/terms-and-conditions-april-2023/ ↗.

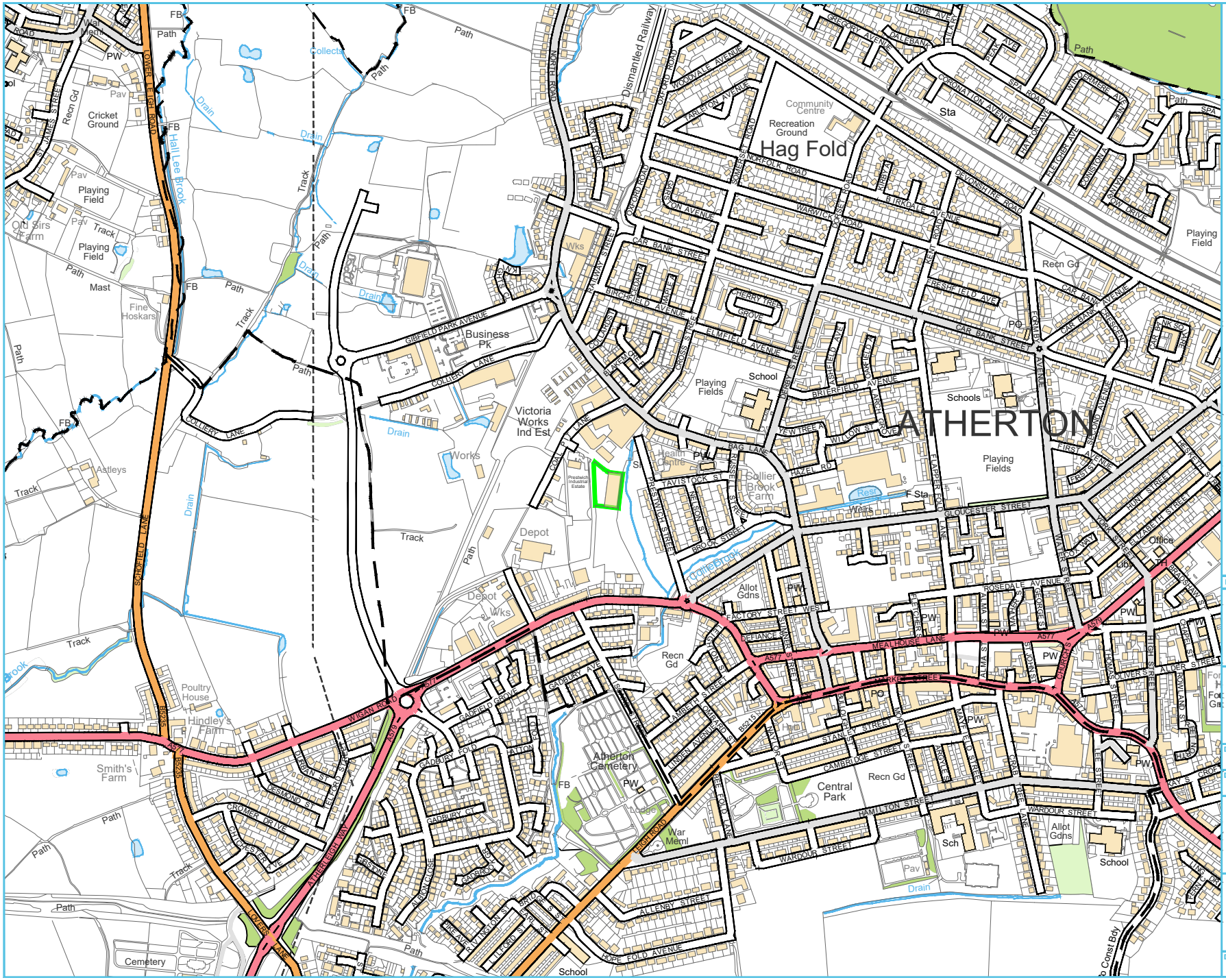
Drawings

Site Condition Report

Unit J Prestwich Industrial Estate

KAS Metal Trading Limited

11 August 2025



LEGEND

ENVIRONMENTAL PERMIT BOUNDARY

Rev	Date	Details	Chkd

Environmental Compliance Ltd.
Unit G1
The Willowford
Main Avenue
Treforest Industrial Estate
Pontypridd.
CF37 5BF

Tel: 01443 801215
Email: info@ecl.world
Web: www.ecl.world

Client

KAS MY Metal Trading Ltd

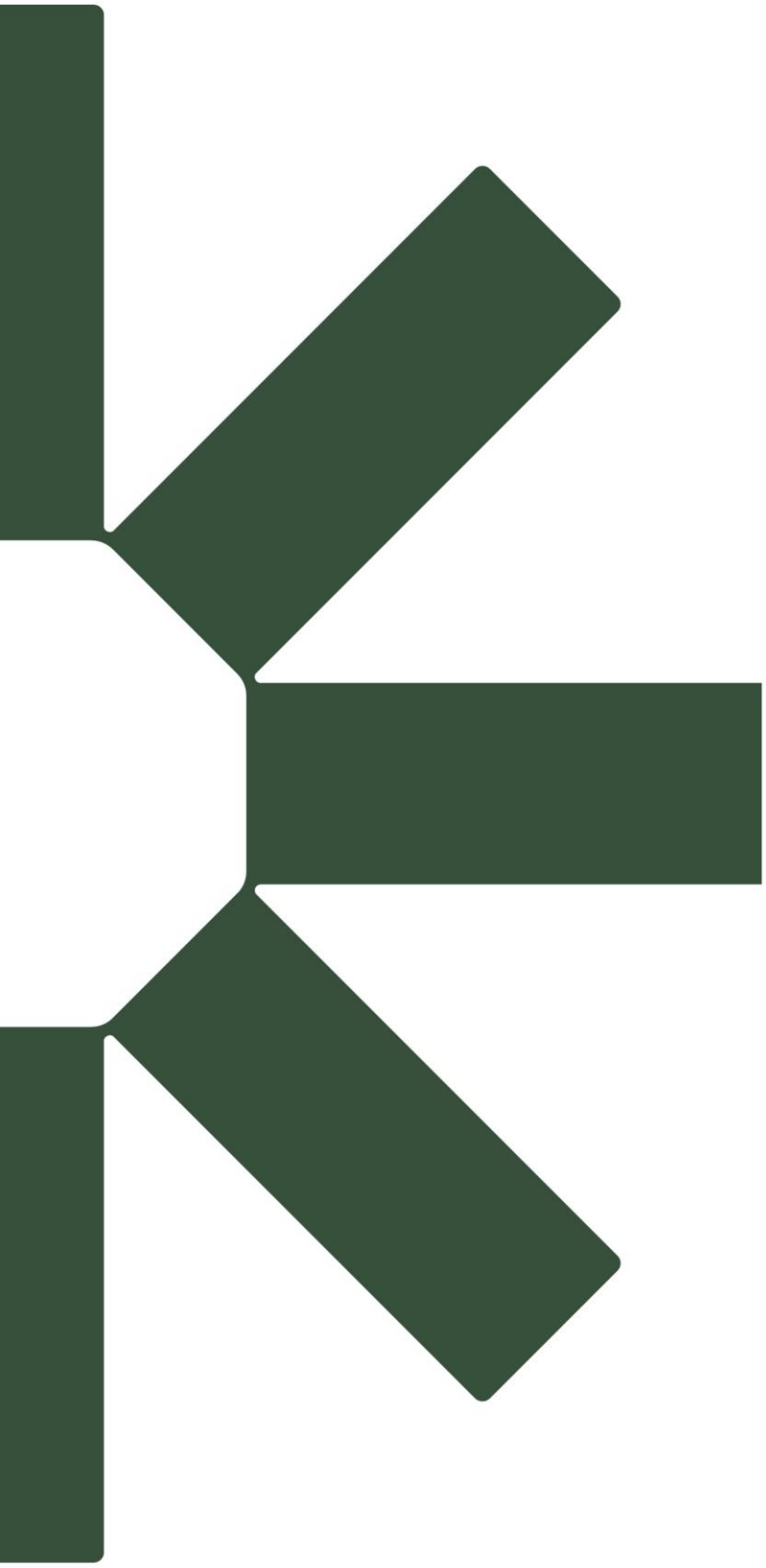
Date	Scale	Drawn by	Checked by	Approved by
13/10/2023	1:10K @ A4	GTB	SM	SM

Drawing Status
WORKING DRAWING

Project Title
ENVIRONMENTAL PERMIT APPLICATION
KAS METAL TRADING LIMITED
UNIT J, COAL PIT LANE
ATHERTON
MANCHESTER. M46 0RY

Drawing Title
SITE LOCATION PLAN

Drawing Number	Rev
KMTL.01.02-01	-



Making Sustainability Happen