Groundsure
LOCATION INTELLIGENCE

Enviro+Geo Insight

SHEFFIELD TEACHING HOSPITALS FOUNDATION TRUST, ROYAL HALLAMSHIRE HOSPITAL, GLOSSOP ROAD, SHEFFIELD, S10 2JF

Order Details

Date: 19/04/2024

Your ref: Sheffield_Teaching_Hospital

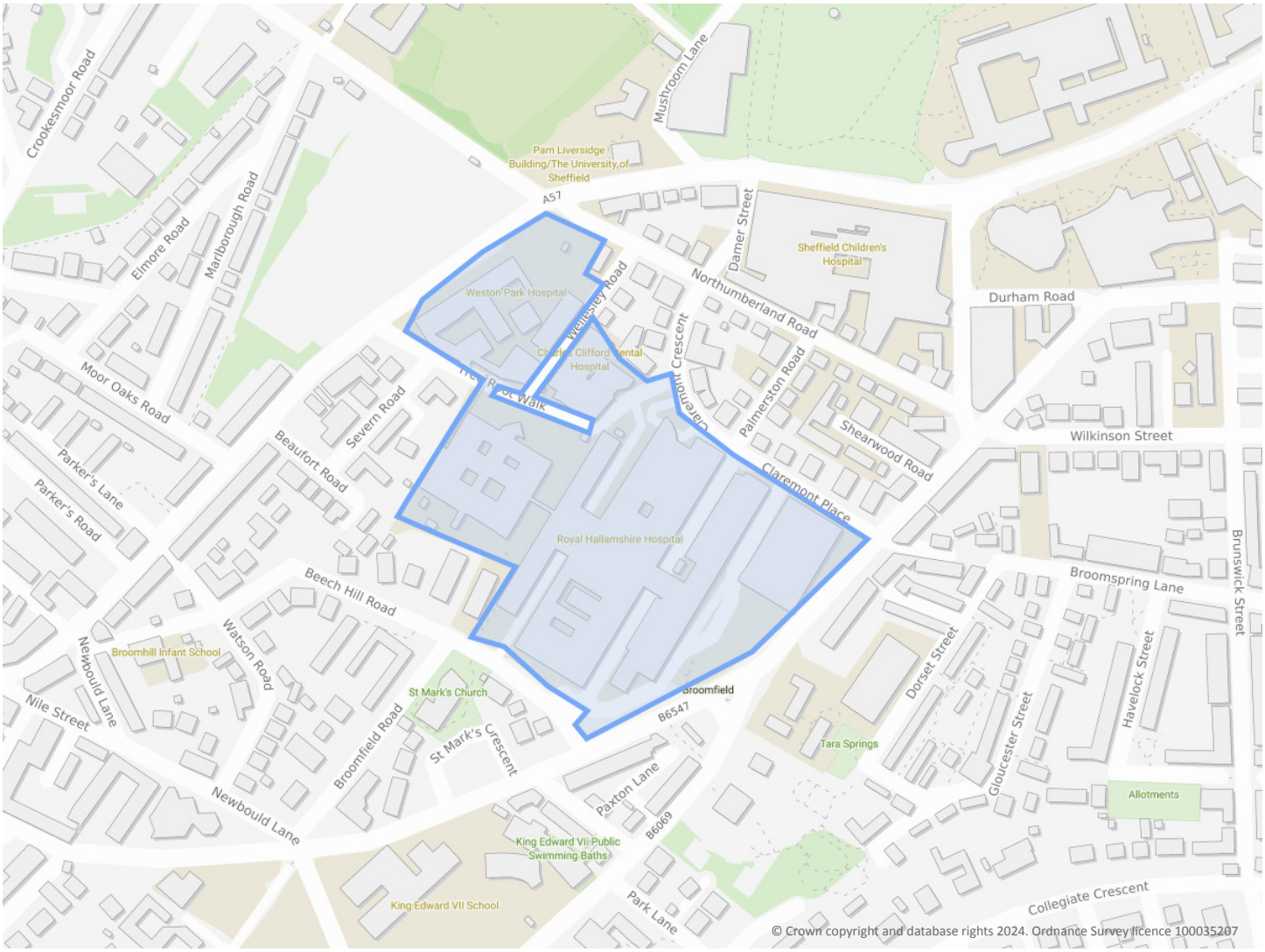
Our Ref: GS-FB3-P4Q-JL5-LPG

Site Details

Location: 433807 387001

Area: 6.78 ha

Authority: Sheffield City 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 >	3	0	11	20	-
17 >	1.2 >	Historical tanks >	4	3	2	10	-
18 >	1.3 >	Historical energy features >	3	4	10	15	-
19	1.4	Historical petrol stations	0	0	0	0	-
20 >	1.5 >	Historical garages >	0	0	2	20	-
21	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
22 >	2.1 >	Historical industrial land uses >	6	0	18	27	-
24 >	2.2 >	Historical tanks >	5	3	4	17	-
26 >	2.3 >	Historical energy features >	3	12	19	38	-
29	2.4	Historical petrol stations	0	0	0	0	-
29 >	2.5 >	Historical garages >	0	0	3	34	-
Page	Section	Waste and landfill >	On site	0-50m	50-250m	250-500m	500-2000m
31	3.1	Active or recent landfill	0	0	0	0	-
31	3.2	Historical landfill (BGS records)	0	0	0	0	-
32	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
32 >	3.4 >	Historical landfill (EA/NRW records) >	0	0	0	1	-
32	3.5	Historical waste sites	0	0	0	0	-
32	3.6	Licensed waste sites	0	0	0	0	-
33 >	3.7 >	Waste exemptions >	15	1	2	21	-
Page	Section	Current industrial land use >	On site	0-50m	50-250m	250-500m	500-2000m
37 >	4.1 >	Recent industrial land uses >	4	4	11	-	-
39 >	4.2 >	Current or recent petrol stations >	0	0	0	1	-
39	4.3	Electricity cables	0	0	0	0	-
39	4.4	Gas pipelines	0	0	0	0	-
39	4.5	Sites determined as Contaminated Land	0	0	0	0	-

40	4.6	Control of Major Accident Hazards (COMAH)	0	0	0	0	-
40	4.7	Regulated explosive sites	0	0	0	0	-
40	4.8	Hazardous substance storage/usage	0	0	0	0	-
40	4.9	Historical licensed industrial activities (IPC)	0	0	0	0	-
40 >	4.10 >	Licensed industrial activities (Part A(1)) >	0	0	1	0	-
41 >	4.11 >	Licensed pollutant release (Part A(2)/B) >	0	0	0	2	-
41 >	4.12 >	Radioactive Substance Authorisations >	15	12	11	9	-
48 >	4.13 >	Licensed Discharges to controlled waters >	0	0	0	1	-
48	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
49	4.15	Pollutant release to public sewer	0	0	0	0	-
49	4.16	List 1 Dangerous Substances	0	0	0	0	-
49	4.17	List 2 Dangerous Substances	0	0	0	0	-
49 >	4.18 >	Pollution Incidents (EA/NRW) >	0	1	1	4	-
50	4.19	Pollution inventory substances	0	0	0	0	-
50	4.20	Pollution inventory waste transfers	0	0	0	0	-
51 >	4.21 >	Pollution inventory radioactive waste >	3	0	1	1	-

Page	Section	Hydrogeology	On site	0-50m	50-250m	250-500m	500-2000m
53	5.1	Superficial aquifer	None (within 500m)				
54 >	5.2 >	Bedrock aquifer >	Identified (within 500m)				
55 >	5.3 >	Groundwater vulnerability >	Identified (within 50m)				
56	5.4	Groundwater vulnerability- soluble rock risk	None (within 0m)				
56	5.5	Groundwater vulnerability- local information	None (within 0m)				
57 >	5.6 >	Groundwater abstractions >	0	0	0	0	3
58 >	5.7 >	Surface water abstractions >	0	0	0	0	8
61	5.8	Potable abstractions	0	0	0	0	0
61	5.9	Source Protection Zones	0	0	0	0	-
61	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-

Page	Section	Hydrology >	On site	0-50m	50-250m	250-500m	500-2000m
62	6.1	Water Network (OS MasterMap)	0	0	0	-	-

62 >	6.2 >	Surface water features >	0	0	1	-	-
63 >	6.3 >	WFD Surface water body catchments >	2	-	-	-	-
63 >	6.4 >	WFD Surface water bodies >	0	0	0	-	-
64 >	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	None (within 50m)				
65	7.2	Historical Flood Events	0	0	0	-	-
65	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	None (within 50m)				
67	7.7	Flood Zone 3	None (within 50m)				
Page	Section	Surface water flooding					
68	8.1	Surface water flooding	Negligible (within 50m)				
Page	Section	Groundwater flooding >					
69 >	9.1 >	Groundwater flooding >	Negligible (within 50m)				
Page	Section	Environmental designations >	On site	0-50m	50-250m	250-500m	500-2000m
70 >	10.1 >	Sites of Special Scientific Interest (SSSI) >	0	0	0	0	1
71	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
71	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
71	10.4	Special Protection Areas (SPA)	0	0	0	0	0
71	10.5	National Nature Reserves (NNR)	0	0	0	0	0
72 >	10.6 >	Local Nature Reserves (LNR) >	0	0	0	0	6
72 >	10.7 >	Designated Ancient Woodland >	0	0	0	0	1
72	10.8	Biosphere Reserves	0	0	0	0	0
73	10.9	Forest Parks	0	0	0	0	0
73	10.10	Marine Conservation Zones	0	0	0	0	0
73 >	10.11 >	Green Belt >	0	0	0	0	4
73	10.12	Proposed Ramsar sites	0	0	0	0	0

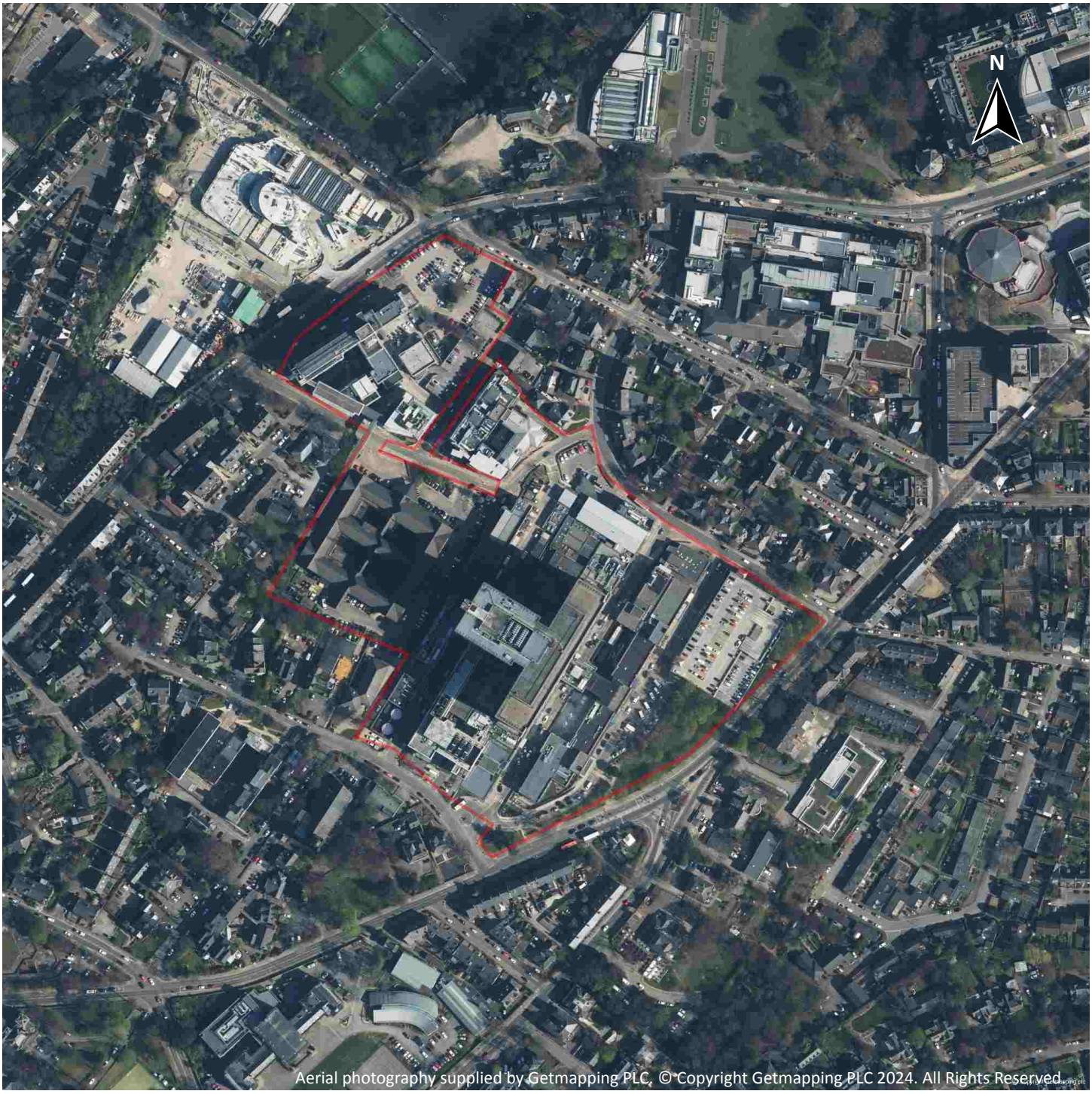
74	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
74	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
74	10.15	Nitrate Sensitive Areas	0	0	0	0	0
74	10.16	Nitrate Vulnerable Zones	0	0	0	0	0
75 >	10.17 >	SSSI Impact Risk Zones >	1	-	-	-	-
76 >	10.18 >	SSSI Units >	0	0	0	0	1
Page	Section	**Visual and cultural designations** >	On site	0-50m	50-250m	250-500m	500-2000m
77	11.1	World Heritage Sites	0	0	0	-	-
78	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
78	11.3	National Parks	0	0	0	-	-
78 >	11.4 >	Listed Buildings >	1	7	31	-	-
80 >	11.5 >	Conservation Areas >	2	2	0	-	-
80	11.6	Scheduled Ancient Monuments	0	0	0	-	-
81 >	11.7 >	Registered Parks and Gardens >	0	0	1	-	-
Page	Section	**Agricultural designations** >	On site	0-50m	50-250m	250-500m	500-2000m
82 >	12.1 >	Agricultural Land Classification >	Urban (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	11	-	-
85	13.2	Habitat Networks	0	0	0	-	-
85	13.3	Open Mosaic Habitat	0	0	0	-	-
85	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
87 >	14.1 >	10k Availability >	Identified (within 500m)				
88 >	14.2 >	Artificial and made ground (10k) >	1	2	4	6	-
90	14.3	Superficial geology (10k)	0	0	0	0	-

90	14.4	Landslip (10k)	0	0	0	0	-
91 >	14.5 >	Bedrock geology (10k) >	4	2	1	2	-
92 >	14.6 >	Bedrock faults and other linear features (10k) >	0	2	0	5	-
Page	Section	**Geology 1:50,000 scale** >	On site	0-50m	50-250m	250-500m	500-2000m
93 >	15.1 >	50k Availability >	Identified (within 500m)				
94 >	15.2 >	Artificial and made ground (50k) >	0	0	1	0	-
95	15.3	Artificial ground permeability (50k)	0	0	-	-	-
96	15.4	Superficial geology (50k)	0	0	0	0	-
96	15.5	Superficial permeability (50k)	None (within 50m)				
96	15.6	Landslip (50k)	0	0	0	0	-
96	15.7	Landslip permeability (50k)	None (within 50m)				
97 >	15.8 >	Bedrock geology (50k) >	4	2	1	2	-
98 >	15.9 >	Bedrock permeability (50k) >	Identified (within 50m)				
98 >	15.10 >	Bedrock faults and other linear features (50k) >	0	1	0	4	-
Page	Section	**Boreholes** >	On site	0-50m	50-250m	250-500m	500-2000m
100 >	16.1 >	BGS Boreholes >	0	0	17	-	-
Page	Section	**Natural ground subsidence** >					
102 >	17.1 >	Shrink swell clays >	Very low (within 50m)				
103 >	17.2 >	Running sands >	Negligible (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	0	1	-
111 >	18.2 >	Surface ground workings >	0	6	30	-	-
112 >	18.3 >	Underground workings >	0	0	0	2	0
113	18.4	Underground mining extents	0	0	0	0	-
113	18.5	Historical Mineral Planning Areas	0	0	0	0	-

113 >	18.6 >	Non-coal mining >	0	0	0	0	2
114	18.7	JPB mining areas	None (within 0m)				
114	18.8	The Coal Authority non-coal mining	0	0	0	0	-
114	18.9	Researched mining	0	0	0	0	-
115	18.10	Mining record office plans	0	0	0	0	-
115	18.11	BGS mine plans	0	0	0	0	-
115 >	18.12 >	Coal mining >	Identified (within 0m)				
115	18.13	Brine areas	None (within 0m)				
116	18.14	Gypsum areas	None (within 0m)				
116	18.15	Tin mining	None (within 0m)				
116	18.16	Clay mining	None (within 0m)				
Page	Section	Ground cavities and sinkholes	On site	0-50m	50-250m	250-500m	500-2000m
117	19.1	Natural cavities	0	0	0	0	-
117	19.2	Mining cavities	0	0	0	0	0
117	19.3	Reported recent incidents	0	0	0	0	-
117	19.4	Historical incidents	0	0	0	0	-
118	19.5	National karst database	0	0	0	0	-
Page	Section	Radon >					
119 >	20.1 >	Radon >	Between 3% and 5% (within 0m)				
Page	Section	Soil chemistry >	On site	0-50m	50-250m	250-500m	500-2000m
121 >	21.1 >	BGS Estimated Background Soil Chemistry >	8	6	-	-	-
122 >	21.2 >	BGS Estimated Urban Soil Chemistry >	15	10	-	-	-
123 >	21.3 >	BGS Measured Urban Soil Chemistry >	0	1	-	-	-
Page	Section	Railway infrastructure and projects	On site	0-50m	50-250m	250-500m	500-2000m
124	22.1	Underground railways (London)	0	0	0	-	-
124	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	0	-	-
124	22.5	Royal Mail tunnels	0	0	0	-	-

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

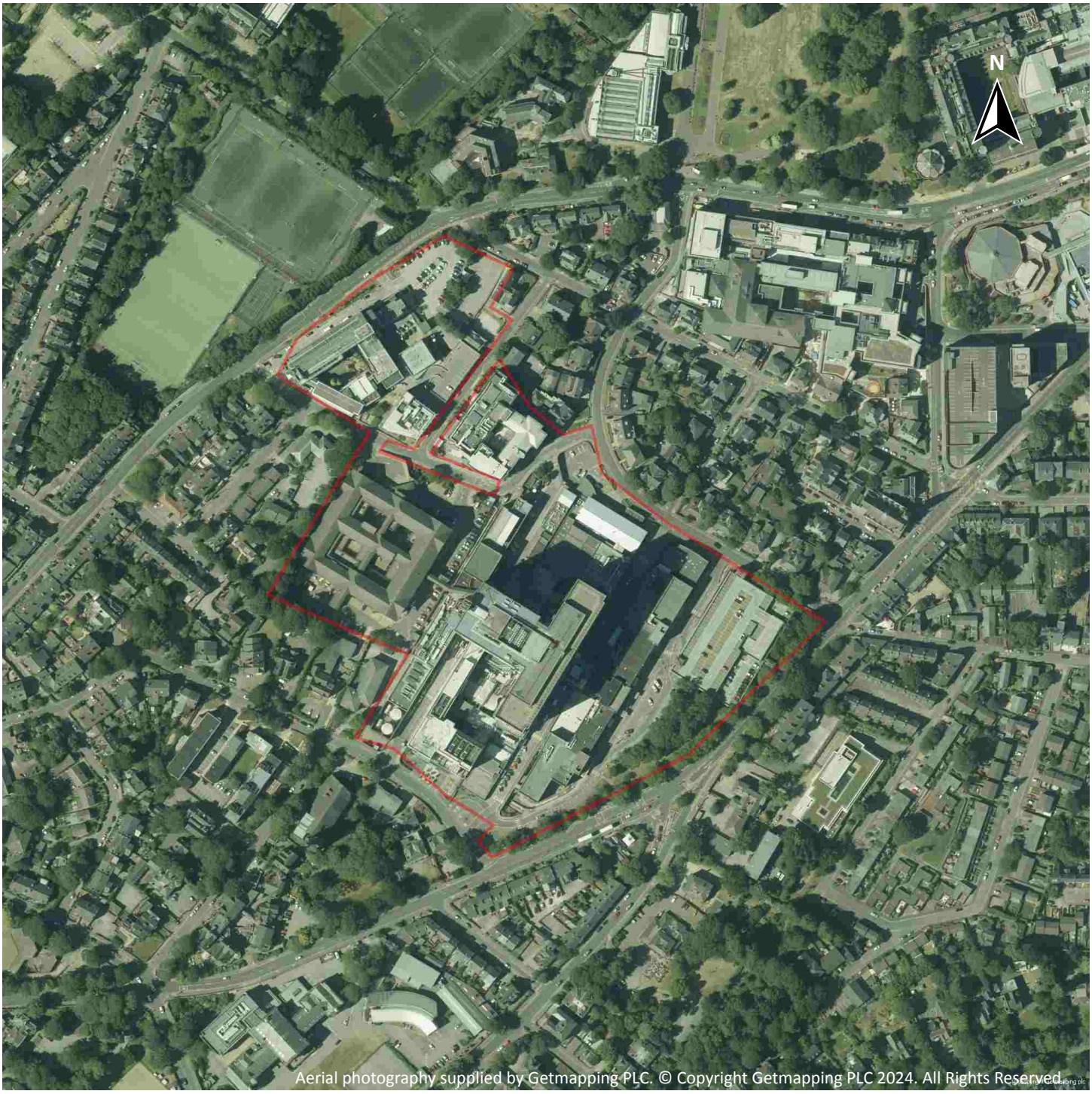
Recent aerial photograph



Capture Date: 12/04/2021

Site Area: 6.78ha

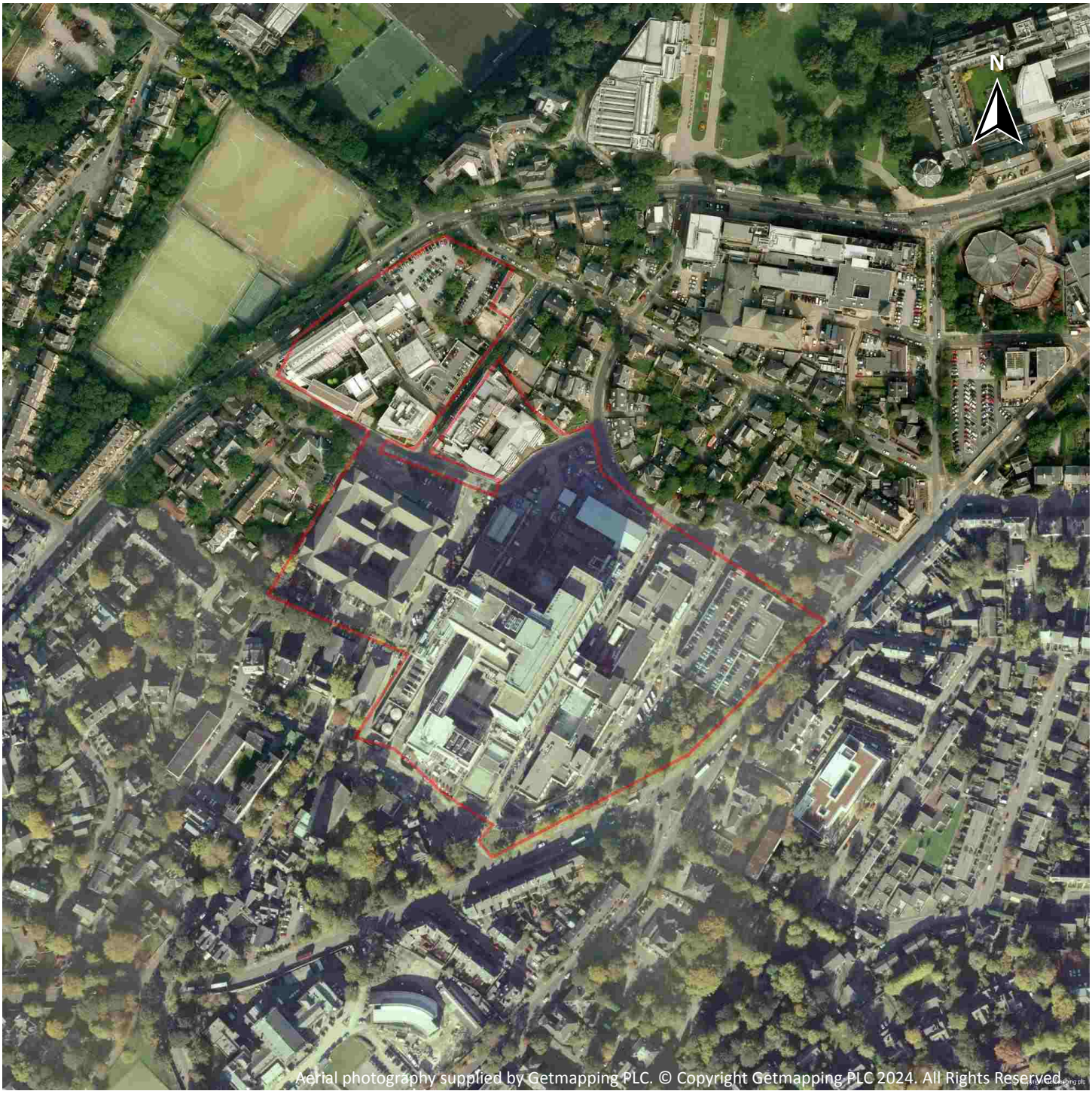
Recent site history - 2018 aerial photograph



Capture Date: 27/06/2018

Site Area: 6.78ha

Recent site history - 2010 aerial photograph



Capture Date: 20/10/2010

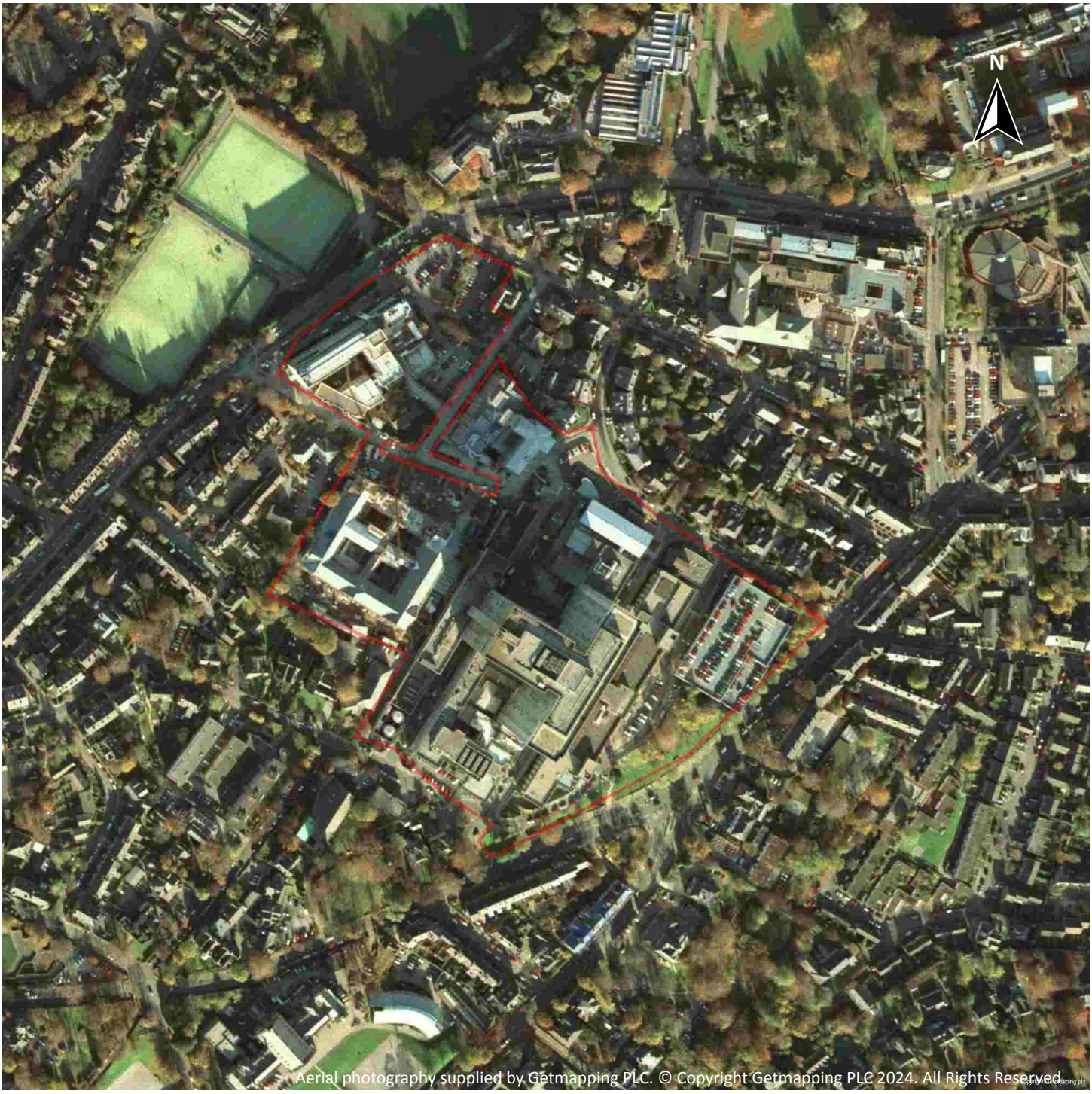
Site Area: 6.78ha

Recent site history - 2009 aerial photograph

Capture Date: 11/09/2009

Site Area: 6.78ha

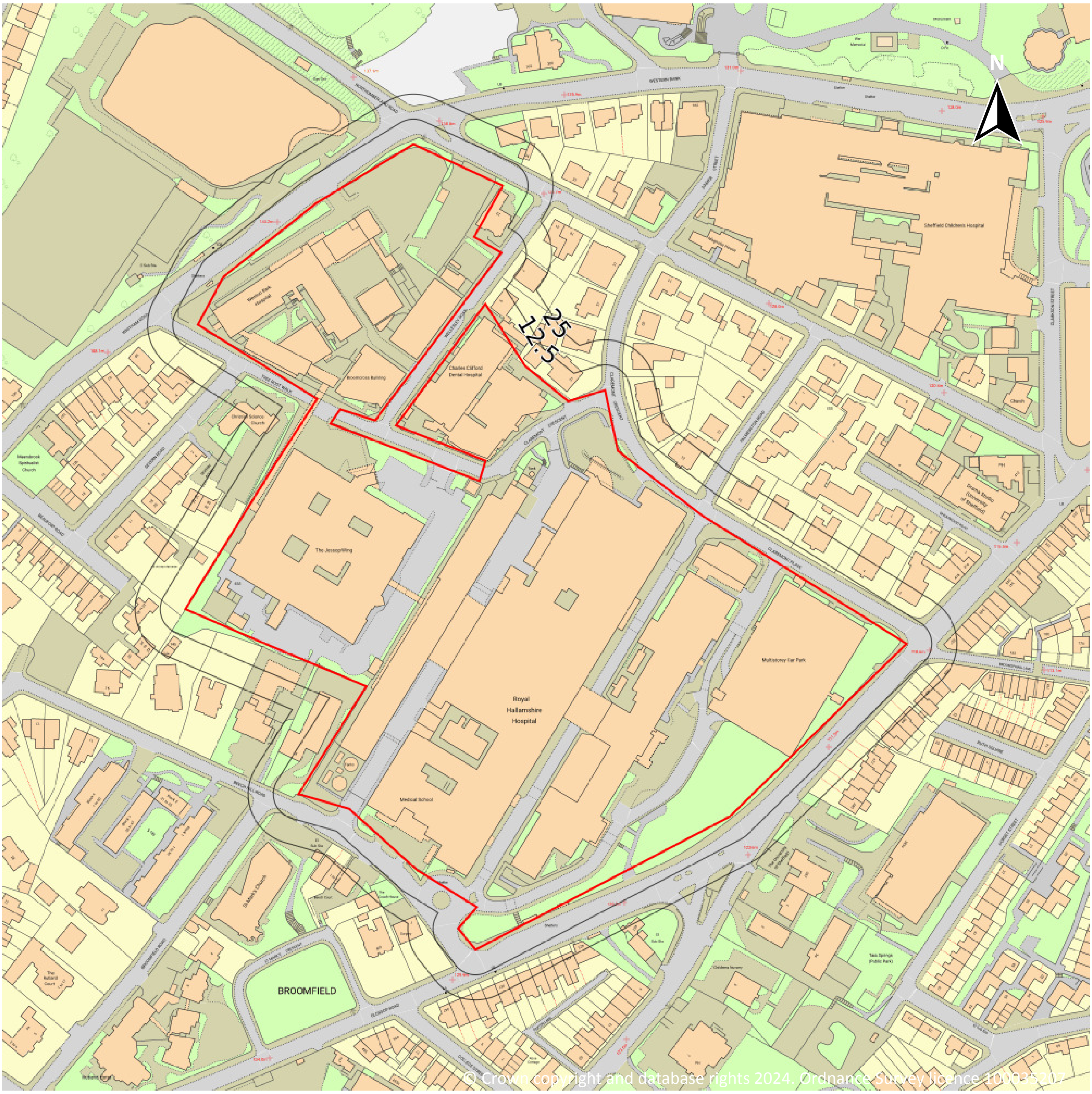
Recent site history - 1999 aerial photograph



Capture Date: 17/11/1999

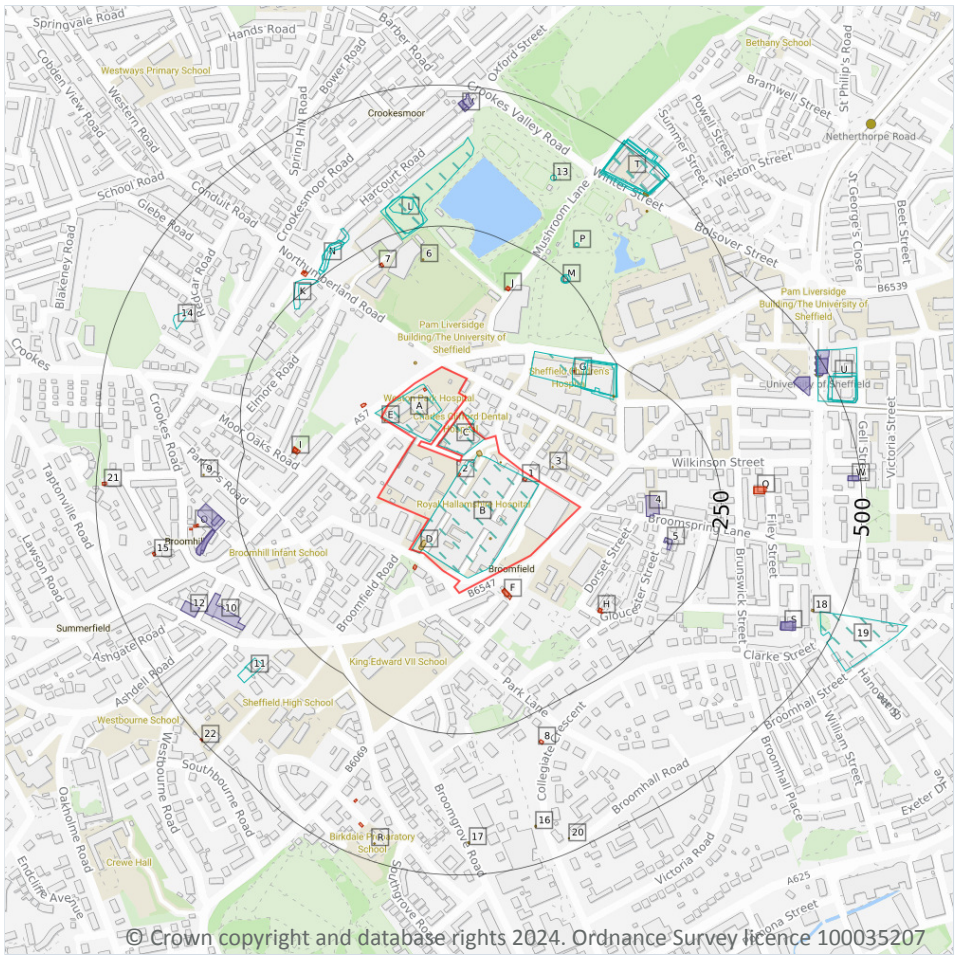
Site Area: 6.78ha

OS MasterMap site plan



Site Area: 6.78ha

1 Past land use



© Crown copyright and database rights 2024. Ordnance Survey licence 100035207

Site Outline

Search buffers in metres (m)

Historical industrial land uses

Historical tanks

Historical energy features

Historical garages

1.1 Historical industrial land uses

Records within 500m	34

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

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

ID	Location	Land use	Dates present	Group ID
A	**On site**	**Hospital**	**1974 - 1982**	**1647744**

ID	Location	Land use	Dates present	Group ID
B	**On site**	**Hospital**	**1974 - 1982**	**1716369**
C	**On site**	**Hospital**	**1974 - 1982**	**1750417**
G	113m NE	Hospital	1974 - 1982	1739355
G	164m NE	Hospital	1967	1718523
G	173m NE	Hospital	1924 - 1948	1684086
G	179m NE	Hospital	1951	1663999
K	231m NW	Refuse Heap	1951	1596962
L	237m N	Unspecified Ground Workings	1924 - 1948	1698047
M	241m NE	Unspecified Tank	1903	1648327
M	241m NE	Unspecified Tank	1924 - 1948	1723597
M	242m NE	Unspecified Tank	1967	1692457
L	244m N	Unspecified Pit	1967	1668415
L	244m N	Unspecified Pit	1951	1688164
N	254m NW	Unspecified Ground Workings	1967	1661887
N	254m NW	Unspecified Ground Workings	1951	1701884
N	255m NW	Unspecified Ground Workings	1924 - 1938	1725935
L	278m N	Unspecified Pit	1974	1659036
P	304m NE	Unspecified Tank	1903	1690261
P	304m NE	Unspecified Tank	1924 - 1948	1707201
11	331m SW	Telephone Exchange	1974 - 1982	1672031
13	383m N	Unspecified Disused Shaft	1974 - 1982	1698627
14	387m NW	Unspecified Pit	1903	1609816
T	434m NE	Hospital	1948	1700235
T	436m NE	Hospital	1903	1662103
T	436m NE	Hospital	1924 - 1938	1697421
T	439m NE	Hospital	1974 - 1982	1681226
T	441m NE	Hospital	1967	1618537
T	441m NE	Hospital	1951	1643153

ID	Location	Land use	Dates present	Group ID
U	462m E	Barracks	1974	1672080
19	464m E	Unspecified Works	1967	1598409
U	479m E	Barracks	1951	1675424
U	479m E	Barracks	1967	1728147
U	485m E	Barracks	1982	1649287

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m **19**

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
B	**On site**	**Unspecified Tank**	**1894**	**254002**
C	**On site**	**Unspecified Tank**	**1970**	**253998**
C	**On site**	**Unspecified Tank**	**1894**	**254003**
D	**On site**	**Tanks**	**1993**	**272177**
E	1m NW	Unspecified Tank	1894	254000
A	28m N	Unspecified Tank	1905	253999
3	33m E	Unspecified Tank	1894	254004
6	192m N	Unspecified Tank	1894	253995
G	196m NE	Unspecified Tank	1977 - 1987	269477
9	310m W	Unspecified Tank	1894	254001
16	433m S	Unspecified Tank	1968 - 1993	277805
T	434m NE	Unspecified Tank	1995	266847
T	435m NE	Unspecified Tank	1979	267583

ID	Location	Land use	Dates present	Group ID
T	435m NE	Unspecified Tank	1973	274428
17	441m S	Unspecified Tank	1905	254019
18	449m E	Unspecified Tank	1983 - 1988	270296
T	453m NE	Tanks	1979 - 1995	264327
R	467m S	Unspecified Tank	1981	254017
20	476m S	Unspecified Tank	1890	254016

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m **32**

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

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

ID	Location	Land use	Dates present	Group ID
1	**On site**	**Electricity Substation**	**1970**	**148447**
2	**On site**	**Electricity Substation**	**1951**	**148614**
A	**On site**	**Electricity Substation**	**1970**	**148613**
D	23m SW	Electricity Substation	1970 - 1993	167900
F	30m S	Electricity Substation	1951 - 1970	160895
F	32m S	Electricity Substation	1993	163043
E	34m NW	Electricity Substation	1970 - 1993	166895
H	152m SE	Electricity Substation	1981	154491
H	152m SE	Electricity Substation	1994	166701
I	156m W	Electricity Substation	1981	163528
I	159m W	Electricity Substation	1972	167424
I	159m W	Electricity Substation	1993 - 1997	165746

ID	Location	Land use	Dates present	Group ID
H	161m SE	Electricity Substation	1983 - 1988	161322
J	172m N	Electricity Substation	1993	153426
J	172m N	Electricity Substation	1970 - 1988	167234
G	177m NE	Electricity Substation	1951	148612
7	206m N	Electricity Substation	1970 - 1993	155326
K	269m NW	Electricity Substation	1970 - 1993	156139
K	274m NW	Electricity Substation	1951	155439
K	274m NW	Electricity Substation	1988	160014
8	297m S	Electricity Substation	1970 - 1993	163237
Q	309m E	Electricity Substation	1951 - 1995	151294
Q	309m E	Electricity Substation	1951 - 1969	157503
O	322m W	Electricity Substation	1993	158625
O	325m W	Electricity Substation	1987	148449
Q	327m E	Electricity Substation	1985 - 1987	162454
O	334m W	Electricity Substation	1971	148450
15	406m W	Electricity Substation	1971 - 1993	164541
R	408m S	Electricity Substation	1968 - 1993	163012
R	443m S	Electricity Substation	1951	153792
21	481m W	Electricity Substation	1972 - 1997	156083
22	499m SW	Electricity Substation	1971	148448

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	22

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
4	117m E	Garage	1966 - 1974	51245
5	160m E	Garage	1951	47396
O	274m W	Garage	1987	48361
O	279m W	Garage	1971	49779
O	295m W	Garage	1987	49535
O	295m W	Garage	1971	50154
O	295m W	Garage	1993	52596
10	322m SW	Garage	1951 - 1971	52970
12	372m SW	Garage	1971 - 1987	51749
S	410m SE	Garage	1983 - 1988	51686
S	410m SE	Garage	1981	48287
S	411m SE	Garage	1994	52294
U	437m E	Garage	1963	49314
U	438m E	Garage	1951 - 1964	52216
V	454m N	Garage	1993 - 1996	53704
V	458m N	Garage	1993	49574
V	462m N	Garage	1973 - 1983	53523
W	477m E	Garage	1985 - 1987	54160
W	477m E	Garage	1977 - 1995	51436
U	479m E	Garage	1963	48118
U	479m E	Garage	1969	49839

ID	Location	Land use	Dates present	Group ID
U	482m E	Garage	1951 - 1977	52108

This data is sourced from Ordnance Survey / Groundsure.

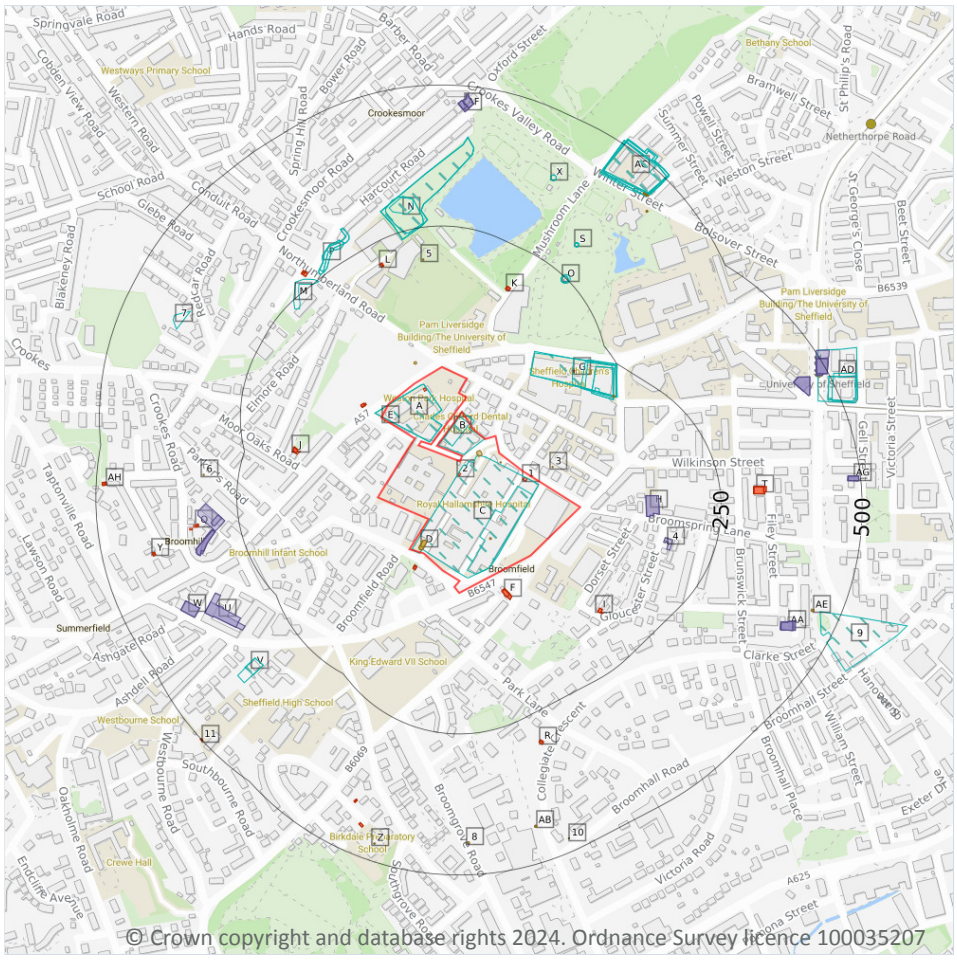
1.6 Historical military land

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	51

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 22 >**

ID	Location	Land Use	Date	Group ID
A	**On site**	**Hospital**	**1982**	**1647744**
A	**On site**	**Hospital**	**1974**	**1647744**
B	**On site**	**Hospital**	**1982**	**1750417**

ID	Location	Land Use	Date	Group ID
B	**On site**	**Hospital**	**1974**	**1750417**
C	**On site**	**Hospital**	**1982**	**1716369**
C	**On site**	**Hospital**	**1974**	**1716369**
G	113m NE	Hospital	1974	1739355
G	113m NE	Hospital	1982	1739355
G	164m NE	Hospital	1967	1718523
G	173m NE	Hospital	1948	1684086
G	179m NE	Hospital	1951	1663999
G	182m NE	Hospital	1938	1684086
G	182m NE	Hospital	1924	1684086
M	231m NW	Refuse Heap	1951	1596962
N	237m N	Unspecified Ground Workings	1948	1698047
N	237m N	Unspecified Ground Workings	1938	1698047
N	237m N	Unspecified Ground Workings	1924	1698047
O	241m NE	Unspecified Tank	1948	1723597
O	241m NE	Unspecified Tank	1938	1723597
O	241m NE	Unspecified Tank	1903	1648327
O	241m NE	Unspecified Tank	1924	1723597
O	242m NE	Unspecified Tank	1967	1692457
N	244m N	Unspecified Pit	1967	1668415
N	244m N	Unspecified Pit	1951	1688164
P	254m NW	Unspecified Ground Workings	1967	1661887
P	254m NW	Unspecified Ground Workings	1951	1701884
P	255m NW	Unspecified Ground Workings	1938	1725935
P	255m NW	Unspecified Ground Workings	1924	1725935
N	278m N	Unspecified Pit	1974	1659036
S	304m NE	Unspecified Tank	1948	1707201
S	304m NE	Unspecified Tank	1938	1707201

ID	Location	Land Use	Date	Group ID
S	304m NE	Unspecified Tank	1903	1690261
S	304m NE	Unspecified Tank	1924	1707201
V	331m SW	Telephone Exchange	1982	1672031
V	331m SW	Telephone Exchange	1974	1672031
X	383m N	Unspecified Disused Shaft	1982	1698627
X	383m N	Unspecified Disused Shaft	1974	1698627
7	387m NW	Unspecified Pit	1903	1609816
AC	434m NE	Hospital	1948	1700235
AC	436m NE	Hospital	1938	1697421
AC	436m NE	Hospital	1903	1662103
AC	436m NE	Hospital	1924	1697421
AC	439m NE	Hospital	1982	1681226
AC	439m NE	Hospital	1974	1681226
AC	441m NE	Hospital	1967	1618537
AC	441m NE	Hospital	1951	1643153
AD	462m E	Barracks	1974	1672080
9	464m E	Unspecified Works	1967	1598409
AD	479m E	Barracks	1967	1728147
AD	479m E	Barracks	1951	1675424
AD	485m E	Barracks	1982	1649287

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m	**29**

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 22 >**

ID	Location	Land Use	Date	Group ID
B	**On site**	**Unspecified Tank**	**1894**	**254003**
B	**On site**	**Unspecified Tank**	**1970**	**253998**
C	**On site**	**Unspecified Tank**	**1894**	**254002**
D	**On site**	**Tanks**	**1993**	**272177**
D	**On site**	**Tanks**	**1993**	**272177**
E	1m NW	Unspecified Tank	1894	254000
A	28m N	Unspecified Tank	1905	253999
3	33m E	Unspecified Tank	1894	254004
5	192m N	Unspecified Tank	1894	253995
G	196m NE	Unspecified Tank	1985	269477
G	196m NE	Unspecified Tank	1987	269477
G	197m NE	Unspecified Tank	1977	269477
6	310m W	Unspecified Tank	1894	254001
AB	433m S	Unspecified Tank	1968	277805
AB	434m S	Unspecified Tank	1993	277805
AB	434m S	Unspecified Tank	1993	277805
AB	434m S	Unspecified Tank	1993	277805
AC	434m NE	Unspecified Tank	1995	266847
AC	434m NE	Unspecified Tank	1995	266847
AC	435m NE	Unspecified Tank	1979	267583
AC	435m NE	Unspecified Tank	1973	274428
8	441m S	Unspecified Tank	1905	254019
AE	449m E	Unspecified Tank	1983	270296
AE	449m E	Unspecified Tank	1988	270296
AC	453m NE	Tanks	1979	264327
AC	453m NE	Tanks	1995	264327
AC	453m NE	Tanks	1995	264327
Z	467m S	Unspecified Tank	1981	254017

ID	Location	Land Use	Date	Group ID
10	476m S	Unspecified Tank	1890	254016

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m	**72**

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 22 >**

ID	Location	Land Use	Date	Group ID
1	**On site**	**Electricity Substation**	**1970**	**148447**
2	**On site**	**Electricity Substation**	**1951**	**148614**
A	**On site**	**Electricity Substation**	**1970**	**148613**
D	23m SW	Electricity Substation	1970	167900
D	26m SW	Electricity Substation	1993	167900
D	26m SW	Electricity Substation	1993	167900
F	30m S	Electricity Substation	1951	160895
F	31m S	Electricity Substation	1970	160895
F	31m S	Electricity Substation	1951	160895
F	32m S	Electricity Substation	1993	163043
F	32m S	Electricity Substation	1993	163043
E	34m NW	Electricity Substation	1993	166895
E	35m NW	Electricity Substation	1970	166895
E	36m NW	Electricity Substation	1988	166895
E	36m NW	Electricity Substation	1988	166895
I	152m SE	Electricity Substation	1981	154491
I	152m SE	Electricity Substation	1994	166701
I	152m SE	Electricity Substation	1994	166701
J	156m W	Electricity Substation	1981	163528

ID	Location	Land Use	Date	Group ID
J	159m W	Electricity Substation	1972	167424
J	159m W	Electricity Substation	1997	165746
J	159m W	Electricity Substation	1993	165746
J	159m W	Electricity Substation	1997	165746
I	161m SE	Electricity Substation	1983	161322
I	161m SE	Electricity Substation	1988	161322
K	172m N	Electricity Substation	1993	153426
K	172m N	Electricity Substation	1988	167234
K	172m N	Electricity Substation	1988	167234
K	173m N	Electricity Substation	1970	167234
G	177m NE	Electricity Substation	1951	148612
L	206m N	Electricity Substation	1993	155326
L	207m N	Electricity Substation	1988	155326
L	207m N	Electricity Substation	1988	155326
L	208m N	Electricity Substation	1970	155326
M	269m NW	Electricity Substation	1993	156139
M	269m NW	Electricity Substation	1970	156139
M	274m NW	Electricity Substation	1951	155439
M	274m NW	Electricity Substation	1988	160014
M	274m NW	Electricity Substation	1988	160014
R	297m S	Electricity Substation	1970	163237
R	298m S	Electricity Substation	1993	163237
R	298m S	Electricity Substation	1993	163237
T	309m E	Electricity Substation	1951	151294
T	309m E	Electricity Substation	1969	151294
T	309m E	Electricity Substation	1995	151294
T	309m E	Electricity Substation	1995	151294
T	309m E	Electricity Substation	1977	151294

ID	Location	Land Use	Date	Group ID
T	309m E	Electricity Substation	1969	157503
T	309m E	Electricity Substation	1951	157503
Q	322m W	Electricity Substation	1993	158625
Q	322m W	Electricity Substation	1993	158625
Q	325m W	Electricity Substation	1987	148449
T	327m E	Electricity Substation	1985	162454
T	327m E	Electricity Substation	1987	162454
Q	334m W	Electricity Substation	1971	148450
Y	406m W	Electricity Substation	1987	164541
Y	407m W	Electricity Substation	1971	164541
Y	407m W	Electricity Substation	1993	164541
Y	407m W	Electricity Substation	1993	164541
Z	408m S	Electricity Substation	1981	163012
Z	409m S	Electricity Substation	1968	163012
Z	409m S	Electricity Substation	1993	163012
Z	409m S	Electricity Substation	1993	163012
Z	409m S	Electricity Substation	1993	163012
Z	443m S	Electricity Substation	1951	153792
Z	444m S	Electricity Substation	1951	153792
AH	481m W	Electricity Substation	1981	156083
AH	483m W	Electricity Substation	1997	156083
AH	483m W	Electricity Substation	1993	156083
AH	483m W	Electricity Substation	1997	156083
AH	483m W	Electricity Substation	1972	156083
11	499m SW	Electricity Substation	1971	148448

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	37

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'.

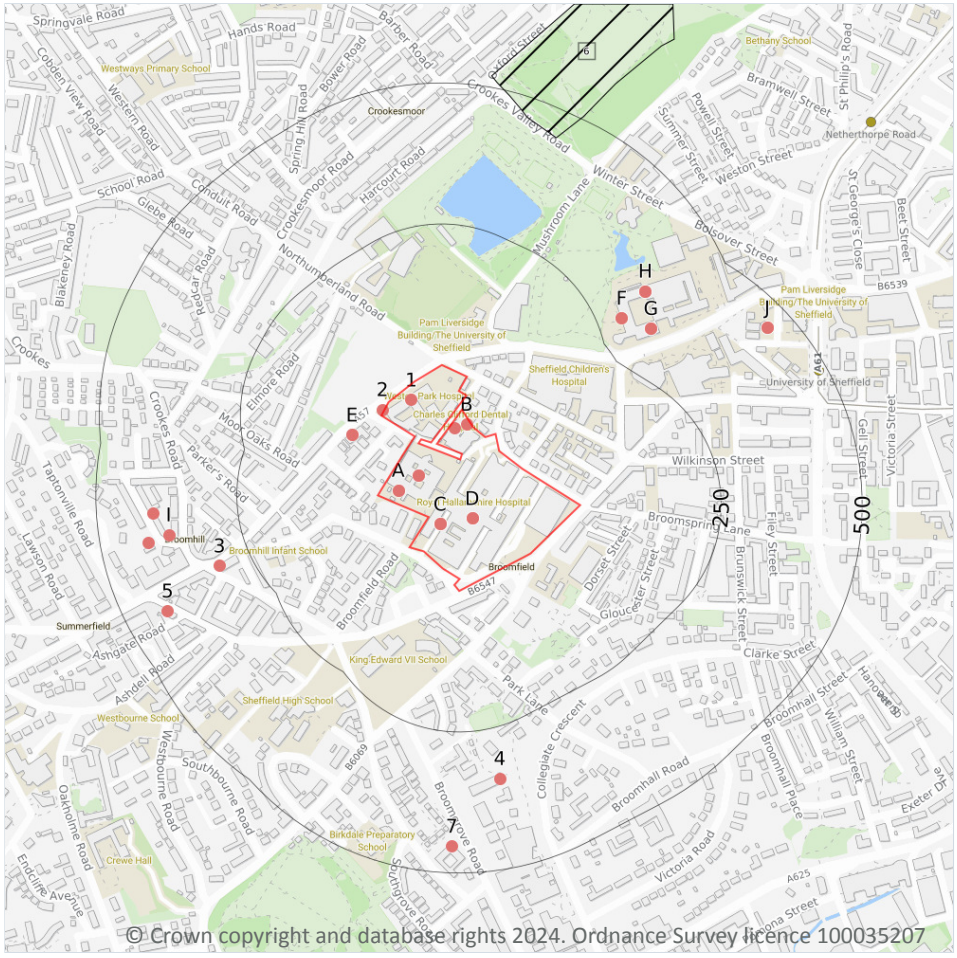
Features are displayed on the Past land use - un-grouped map on **page 22 >**

ID	Location	Land Use	Date	Group ID
H	117m E	Garage	1974	51245
H	117m E	Garage	1966	51245
4	160m E	Garage	1951	47396
Q	274m W	Garage	1987	48361
Q	279m W	Garage	1971	49779
Q	295m W	Garage	1987	49535
Q	295m W	Garage	1971	50154
Q	295m W	Garage	1993	52596
Q	295m W	Garage	1993	52596
U	322m SW	Garage	1951	52970
U	323m SW	Garage	1971	52970
W	372m SW	Garage	1971	51749
W	372m SW	Garage	1987	51749
AA	410m SE	Garage	1983	51686
AA	410m SE	Garage	1988	51686
AA	410m SE	Garage	1981	48287

ID	Location	Land Use	Date	Group ID
AA	411m SE	Garage	1994	52294
AA	411m SE	Garage	1994	52294
AD	437m E	Garage	1963	49314
AD	438m E	Garage	1964	52216
AD	438m E	Garage	1951	52216
AF	454m N	Garage	1993	53704
AF	454m N	Garage	1996	53704
AF	458m N	Garage	1993	49574
AF	462m N	Garage	1983	53523
AF	462m N	Garage	1973	53523
AG	477m E	Garage	1985	54160
AG	477m E	Garage	1987	54160
AG	477m E	Garage	1995	51436
AG	477m E	Garage	1995	51436
AG	478m E	Garage	1977	51436
AD	479m E	Garage	1963	48118
AD	479m E	Garage	1969	49839
AD	482m E	Garage	1964	52108
AD	482m E	Garage	1977	52108
AD	482m E	Garage	1969	52108
AD	482m E	Garage	1951	52108

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	1

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

Features are displayed on the Waste and landfill map on **page 31 >**

ID	Location	Details		
6	450m N	Site Address: Crookes Valley Open Space, Oxford Street, Sheffield Licence Holder Address: Department of Planning and Design, Town Hall, Sheffield	Waste Licence: Yes Site Reference: WD20 S332(33), 4400/S332 Waste Type: Inert, Commercial Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 30/11/1981 Licence Surrender: 18/10/1982	Operator: - Licence Holder: City of Sheffield Metropolitan District Council First Recorded 30/11/1981 Last Recorded: 18/10/1982

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

3.5 Historical waste sites

Records within 500m	0

Waste site records derived from Local Authority planning records and high detail historical mapping.

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

3.6 Licensed waste sites

Records within 500m	0

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

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

3.7 Waste exemptions

Records within 500m	39

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 31 >**

ID	Location	Site	Reference	Category	Sub-Category	Description
1	On site	Sheffield Teaching Hospitals NHS Foundation Trust, Weston Park Hospital, Whitham Road, Sheffield, S10 2SJ	WEX047983	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
A	On site	-	WEX198798	Treating waste exemption	Not on a Farm	Sorting and de-naturing of controlled drugs for disposal
A	On site	Sheffield Teaching Hospitals NHS Foundation Trust, Jessop Wing Maternity Hospital, Tree Root Walk, Sheffield, S10 2SF	WEX047990	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
A	On site	Sheffield Teaching Hospitals NHS Foundation Trust, Jessop Wing Maternity Hospital, Tree Root Walk, Sheffield, S10 2SF	WEX047990	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
A	On site	-	WEX198798	Treating waste exemption	Not on a Farm	Treatment of waste food
B	On site	-	WEX198808	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
B	On site	Sheffield Teaching Hospitals NHS Foundation Trust, Charles Clifford Dental Hospital, Wellesley Road, Sheffield, S10 2SZ	WEX048000	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
C	On site	-	WEX198787	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
C	On site	-	WEX198787	Storing waste exemption	Not on a farm	Storage of waste in a secure place

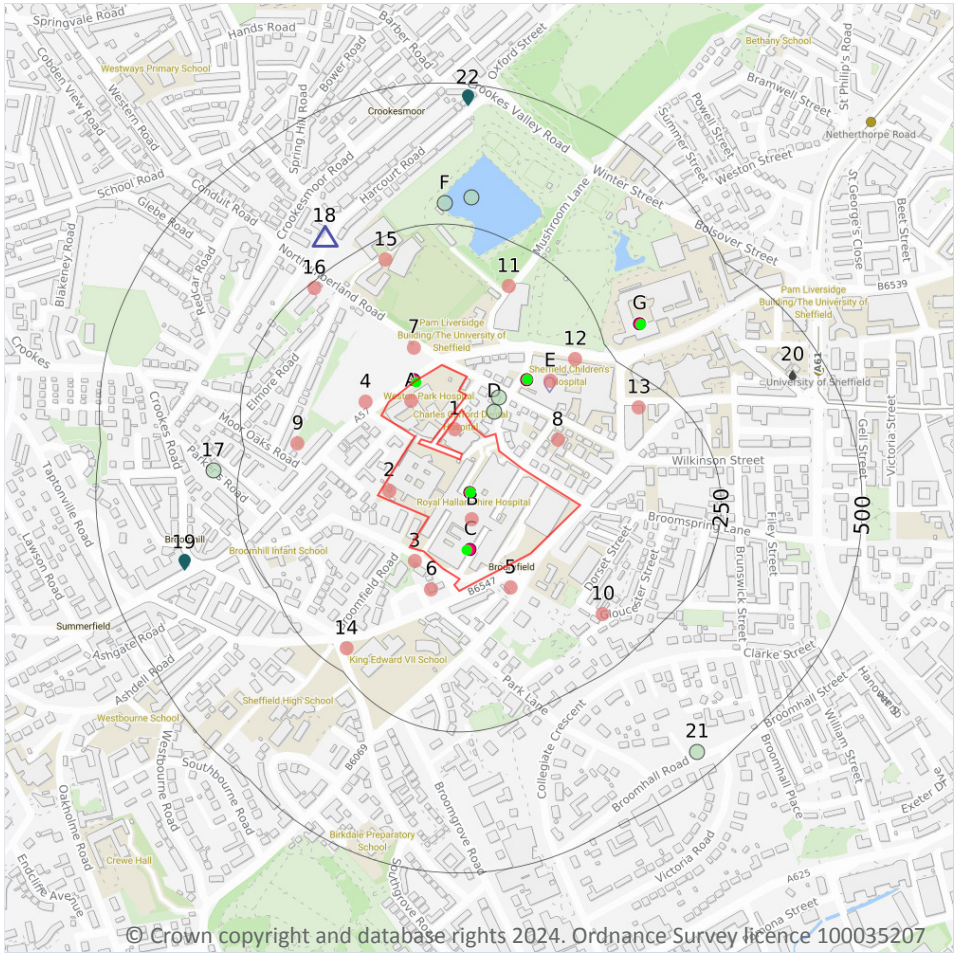
ID	Location	Site	Reference	Category	Sub-Category	Description
C	**On site**	**-**	**WEX198787**	**Storing waste exemption**	**Not on a farm**	**Storage of waste in secure containers**
C	**On site**	**-**	**WEX198787**	**Treating waste exemption**	**Not on a farm**	**Sorting and de-naturing of controlled drugs for disposal**
C	**On site**	**-**	**WEX198787**	**Treating waste exemption**	**Not on a farm**	**Treatment of waste food**
D	**On site**	**Sheffield Teaching Hospitals NHS Foundation Trust, Royal Hallamshire Hospital, Glossop Road, Sheffield, S10 2JF**	**WEX047971**	**Treating waste exemption**	**Not on a farm**	**Sorting and de-naturing of controlled drugs for disposal**
D	**On site**	**Sheffield Teaching Hospitals NHS Foundation Trust, Royal Hallamshire Hospital, Glossop Road, Sheffield, S10 2JF**	**WEX047971**	**Treating waste exemption**	**Not on a farm**	**Preparatory treatments (baling, sorting, shredding etc)**
D	**On site**	**Sheffield Teaching Hospitals NHS Foundation Trust, Royal Hallamshire Hospital, Glossop Road, Sheffield, S10 2JF**	**WEX047971**	**Treating waste exemption**	**Not on a farm**	**Treatment of waste food**
2	3m NW	-	WEX198801	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
E	63m NW	25 m x 7m Section of shrubbery alongside Northumberland Rd, Northumberland Road, Sheffield, s10 2sl	WEX107079	Treating waste exemption	Not on a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
E	63m NW	25 m x 7m Section of shrubbery alongside Northumberland Rd, Northumberland Road, Sheffield, s10 2sl	WEX107079	Using waste exemption	Not on a farm	Use of mulch
F	293m NE	No Details	EPR/BE5281QV/A001	Treating waste exemption	Non-Agricultural Waste Only	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
F	293m NE	No Details	EPR/BE5281QV/A001	Using waste exemption	Non-Agricultural Waste Only	Use of mulch

ID	Location	Site	Reference	Category	Sub-Category	Description
3	308m W	209-211, WHITHAM ROAD, SHEFFIELD, S10 2SP	WEX357788	Storing waste exemption	Not on a farm	Storage of waste in a secure place
G	331m NE	Alfred Denny, the university of sheffield, western bank, Sheffield, s10 2tn	WEX361297	Storing waste exemption	Not on a farm	Storage of waste in secure containers
G	331m NE	Alfred Denny, the university of sheffield, western bank, Sheffield, s10 2tn	WEX361297	Storing waste exemption	Not on a farm	Storage of waste in a secure place
G	331m NE	Alfred Denny, the university of sheffield, western bank, Sheffield, s10 2tn	WEX235212	Storing waste exemption	Not on a farm	Storage of waste in a secure place
G	331m NE	Alfred Denny, the university of sheffield, western bank, Sheffield, s10 2tn	WEX235212	Storing waste exemption	Not on a farm	Storage of waste in secure containers
4	341m S	Robert Winston Annexe, 11-15 Broomhall road, Sheffield, S10 2BP	WEX110466	Using waste exemption	Not on a farm	Use of waste in construction
H	350m NE	WESTERN BANK, SHEFFIELD, S10 2TN	WEX092291	Storing waste exemption	Not on a farm	Storage of waste in secure containers
H	350m NE	WESTERN BANK, SHEFFIELD, S10 2TN	WEX092281	Storing waste exemption	Not on a farm	Storage of waste in secure containers
H	350m NE	WESTERN BANK, SHEFFIELD, S10 2TN	WEX092281	Storing waste exemption	Not on a farm	Storage of waste in a secure place
H	350m NE	WESTERN BANK, SHEFFIELD, S10 2TN	WEX092291	Storing waste exemption	Not on a farm	Storage of waste in a secure place
I	378m W	Spooner Road Compound, Spooner Road, Sheffield, S10 5BN	WEX230817	Storing waste exemption	Not on a Farm	Storage of waste in a secure place
I	400m W	Spooner Road Compound, Spooner Road, Sheffield, S10 5BN	WEX087145	Storing waste exemption	Not on a farm	Storage of waste in a secure place
I	416m W	-	WEX357791	Storing waste exemption	Not on a farm	Storage of waste in a secure place
5	426m SW	-	WEX383355	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal

ID	Location	Site	Reference	Category	Sub-Category	Description
7	454m S	30, BROOMGROVE ROAD, SHEFFIELD, S10 2LR	WEX181040	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
J	456m NE	5, FAVELL ROAD, SHEFFIELD, S3 7QX	WEX295435	Storing waste exemption	Not on a Farm	Storage of waste in secure containers
J	456m NE	5, FAVELL ROAD, SHEFFIELD, S3 7QX	WEX295435	Storing waste exemption	Not on a Farm	Storage of waste in a secure place
J	456m NE	5, FAVELL ROAD, SHEFFIELD, S3 7QX	WEX160092	Storing waste exemption	Not on a Farm	Storage of waste in secure containers
J	456m NE	5, FAVELL ROAD, SHEFFIELD, S3 7QX	WEX160092	Storing waste exemption	Not on a Farm	Storage of waste in a secure place

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

4 Current industrial land use



Site Outline

Search buffers in metres (m)

- Recent industrial land uses
- Current or recent petrol stations
- Part A(1) industrial activities
- Licensed pollutant release (Part A(2)/B)
- Radioactive Substance Authorisations
- Licensed Discharges to controlled waters
- Pollution Incidents (EA/NRW)
- Pollution inventory radioactive waste

4.1 Recent industrial land uses

Records within 250m	19

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on **page 37 >**

ID	Location	Company	Address	Activity	Category
1	**On site**	**Charles Clifford Dental Hospital**	**-, Wellesley Road, Sheffield, South Yorkshire, S10 2SZ**	**Hospitals**	**Health Practitioners and Establishments**
2	**On site**	**Electricity Sub Station**	**South Yorkshire, S10**	**Electrical Features**	**Infrastructure and Facilities**

ID	Location	Company	Address	Activity	Category
A	**On site**	**Weston Park Hospital**	**Weston Park Hospital, Whitham Road, Sheffield, South Yorkshire, S10 2SJ**	**Hospitals**	**Health Practitioners and Establishments**
B	**On site**	**Royal Hallamshire Hospital**	**Royal Hallamshire Hospital, Glossop Road, Sheffield, South Yorkshire, S10 2JF**	**Hospitals**	**Health Practitioners and Establishments**
3	21m SW	Electricity Sub Station	South Yorkshire, S10	Electrical Features	Infrastructure and Facilities
4	36m NW	Electricity Sub Station	South Yorkshire, S10	Electrical Features	Infrastructure and Facilities
5	37m SE	Electricity Sub Station	South Yorkshire, S10	Electrical Features	Infrastructure and Facilities
6	41m S	European Respiratory Society	442, Glossop Road, Sheffield, South Yorkshire, S10 2PX	Published Goods	Industrial Products
7	53m N	Gas Governor	South Yorkshire, S10	Gas Features	Infrastructure and Facilities
8	77m NE	Electricity Sub Station	South Yorkshire, S10	Electrical Features	Infrastructure and Facilities
E	135m NE	Sheffield Children's Hospital	The Childrens Hospital, Western Bank, Sheffield, South Yorkshire, S10 2TH	Hospitals	Health Practitioners and Establishments
9	156m W	Electricity Sub Station	South Yorkshire, S10	Electrical Features	Infrastructure and Facilities
10	166m SE	Electricity Sub Station	South Yorkshire, S10	Electrical Features	Infrastructure and Facilities
11	177m N	Electricity Sub Station	South Yorkshire, S3	Electrical Features	Infrastructure and Facilities
12	194m NE	Sheffield Children's Hospital	-, Western Bank, Sheffield, South Yorkshire, S10 2TH	Accident and Emergency Hospitals	Health Practitioners and Establishments
13	202m NE	Electricity Sub Station	South Yorkshire, S10	Electrical Features	Infrastructure and Facilities
14	211m SW	Electricity Sub Station	South Yorkshire, S10	Electrical Features	Infrastructure and Facilities
15	212m N	Electricity Sub Station	South Yorkshire, S10	Electrical Features	Infrastructure and Facilities

ID	Location	Company	Address	Activity	Category
16	241m NW	Electricity Sub Station	South Yorkshire, S10	Electrical Features	Infrastructure and Facilities

This data is sourced from Ordnance Survey.

4.2 Current or recent petrol stations

Records within 500m	1

Open, closed, under development and obsolete petrol stations.

Features are displayed on the Current industrial land use map on **page 37 >**

ID	Location	Company	Address	LPG	Status
18	304m NW	OBSOLETE	4-8, Harcourt Road, Sheffield, South Yorkshire, S10 1DJ	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	1

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

Features are displayed on the Current industrial land use map on **page 37 >**

ID	Location	Details	
E	128m NE	Operator: IMTECH LOW CARBON SOLUTIONS LIMITED Installation Name: Sheffield Children's Hospital - EPR/RP3303PB Process: NEW MEDIUM COMBUSTION PLANT Permit Number: RP3303PB Original Permit Number: RP3303PB	EPR Reference: EPR/RP3303PB Issue Date: 07/09/2020 Effective Date: 07/09/2020 Last date noted as effective: 23/11/2023 Status: Effective

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 37 >**

ID	Location	Address	Details	
19	364m W	Abbey Glen Ltd, 21 Fulwood Road, Sheffield, S10 3BB	Process: Dry Cleaning Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
22	475m N	Simpsons Gge, 4/8 Harcourt Rd, Sheffield, S10 1DJ	Process: Waste Oil Burner 0.4 MW Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified

This data is sourced from Local Authority records.

4.12 Radioactive Substance Authorisations

Records within 500m **47**

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

Features are displayed on the Current industrial land use map on **page 37 >**

ID	Location	Address	Details	
B	**On site**	**Royal Hallamshire Hospital, Glossop Road, Sheffield, S10 2JF**	**Operator: Sheffield Teaching Hospitals NHS Foundation Trust** **Type: -** **Permission number: MB3435DZ** **Date of approval: -**	**Effective from: 17/07/2018** **Last date of update: 01/01/2020** **Status: Issued**

ID	Location	Address	Details	
B	On site	Sheffield Teaching Hospitals Nhs Trust, Royal Hallamshire Hospital,glossop Road, Sheffield, South Yorkshire, S10 2JF	Operator: Sheffield Teaching Hospitals Nhs Trust Type: Keeping And Use Of Radioactive Materials (was Rsa60 Section 1). Permission number: AA0736 Date of approval: 02/09/1991	Effective from: 02/09/1991 Last date of update: 06/01/2005 Status: Superseded By Variation
B	On site	Sheffield Teaching Hospitals Nhs Trust, Royal Hallamshire Hospital,glossop Road, Sheffield, South Yorkshire, S10 2JF	Operator: Sheffield Teaching Hospitals Nhs Trust Type: Keeping And Use Of Radioactive Materials (was Rsa60 Section 1). Permission number: AA0736 Date of approval: 02/09/1991	Effective from: - Last date of update: 01/07/2005 Status: Valid
B	On site	Sheffield Teaching Hospitals Nhs Foundation Trust, Royal Hallamshire Hospital, Glossop Road, Sheffield, S10 2JF	Operator: Sheffield Teaching Hospitals Nhs Foundation Trust Type: Disposal Of Radioactive Waste (was Rsa60 Section 6). Permission number: AC0079 Date of approval: 11/06/1997	Effective from: 01/07/1997 Last date of update: 01/01/2015 Status: Superseded By Variation
B	On site	Sheffield Teaching Hospitals Nhs Foundation Trust, Royal Hallamshire Hospital, Glossop Road, Sheffield, S10 2JF	Operator: Sheffield Teaching Hospitals Nhs Foundation Trust Type: Disposal Of Radioactive Waste (was Rsa60 Section 6). Permission number: AC0079 Date of approval: 08/02/2002	Effective from: 08/02/2002 Last date of update: 01/01/2015 Status: Superseded By Variation
B	On site	Sheffield Teaching Hospitals Nhs Foundation Trust, Royal Hallamshire Hospital, Glossop Road, Sheffield, S10 2JF	Operator: Sheffield Teaching Hospitals Nhs Foundation Trust Type: Disposal Of Radioactive Waste (was Rsa60 Section 6). Permission number: AC0079 Date of approval: 01/12/2003	Effective from: 01/01/2004 Last date of update: 01/01/2015 Status: Superseded By Variation
B	On site	Sheffield Teaching Hospitals Nhs Foundation Trust, Royal Hallamshire Hospital, Glossop Road, Sheffield, S10 2JF	Operator: Sheffield Teaching Hospitals Nhs Foundation Trust Type: Disposal Of Radioactive Waste (was Rsa60 Section 6). Permission number: AC0079 Date of approval: 31/08/2005	Effective from: 02/09/2005 Last date of update: 01/01/2015 Status: Effective
B	On site	Sheffield Teaching Hospitals Nhs Foundation Trust, Royal Hallamshire Hospital, Glossop Road, Sheffield, S10 2JF	Operator: Sheffield Teaching Hospitals Nhs Foundation Trust Type: Disposal Of Radioactive Waste (was Rsa60 Section 6). Permission number: AC0079 Date of approval: 31/03/1991	Effective from: 31/03/1991 Last date of update: 01/01/2015 Status: Superseded By Variation

ID	Location	Address	Details	
B	On site	Sheffield Teaching Hospitals Nhs Foundation Trust, Royal Hallamshire Hospital, Glossop Road, Sheffield, S10 2JF	Operator: Sheffield Teaching Hospitals Nhs Foundation Trust Type: Disposal Of Radioactive Waste (was Rsa60 Section 6). Permission number: AC0079 Date of approval: 09/10/1995	Effective from: 09/11/1995 Last date of update: 01/01/2015 Status: Superseded By Variation
B	On site	Sheffield Teaching Hospitals Nhs Foundation Trust, Royal Hallamshire Hospital,glossop Road, Sheffield, S10 2JF	Operator: Sheffield Teaching Hospitals Nhs Foundation Trust Type: Keeping And Use Of Radioactive Materials (was Rsa60 Section 1). Permission number: BM6611 Date of approval: 15/03/2003	Effective from: 15/03/2003 Last date of update: 01/01/2015 Status: Superseded By Variation
B	On site	Sheffield Teaching Hospitals Nhs Foundation Trust, Royal Hallamshire Hospital,glossop Road, Sheffield, S10 2JF	Operator: Sheffield Teaching Hospitals Nhs Foundation Trust Type: Keeping And Use Of Radioactive Materials (was Rsa60 Section 1). Permission number: BM6611 Date of approval: 31/08/2005	Effective from: 31/08/2005 Last date of update: 01/01/2015 Status: Effective
C	On site	University Of Sheffield, Medical School, Royal Hallamshire Hospital, Glossop Road, Sheffield, S10 2JF	Operator: University Of Sheffield Type: Disposal Of Radioactive Waste (was Rsa60 Section 6). Permission number: BL2068 Date of approval: 17/07/2001	Effective from: 06/08/2001 Last date of update: 01/01/2015 Status: Superseded By Variation
C	On site	Medical School, Royal Hallamshire Hospital, Glossop Road, Sheffield, S10 2JF	Operator: University of Sheffield Type: - Permission number: RB3095DV Date of approval: -	Effective from: 01/04/2018 Last date of update: 01/01/2020 Status: Issued
C	On site	Medical School, Royal Hallamshire Hospital, Glossop Road, Sheffield, S10 2JF	Operator: University of Sheffield Type: Disposal Of Radioactive Waste (was Rsa60 Section 6). Permission number: BW5586 Date of approval: 01/12/2003	Effective from: - Last date of update: 01/01/2020 Status: Replaced
C	On site	Medical School, Royal Hallamshire Hospital, Glossop Road, Sheffield, S10 2JF	Operator: University of Sheffield Type: Keeping And Use Of Radioactive Materials (was Rsa60 Section 1). Permission number: BL5873 Date of approval: 17/07/2001	Effective from: - Last date of update: 01/01/2020 Status: Replaced

ID	Location	Address	Details	
A	3m NW	Weston Park Hospital, Whitham Road, Sheffield, S10 2SJ	Operator: Sheffield Teaching Hospitals NHS Foundation Trust Type: Keeping And Use Of Radioactive Materials (was Rsa60 Section 1). Permission number: CC7366 Date of approval: 01/09/2008	Effective from: - Last date of update: 01/01/2020 Status: Replaced
A	3m NW	Weston Park Hospital, Whitham Road, Sheffield, S10 2SJ	Operator: Sheffield Teaching Hospitals NHS Foundation Trust Type: - Permission number: DB3395DK Date of approval: -	Effective from: 01/04/2019 Last date of update: 01/01/2020 Status: Issued
A	3m NW	Weston Park Hospital, Whitham Road, Sheffield, S10 2SJ	Operator: Sheffield Teaching Hospitals NHS Foundation Trust Type: Disposal Of Radioactive Waste (was Rsa60 Section 6). Permission number: CC6653 Date of approval: 25/07/2008	Effective from: - Last date of update: 01/01/2020 Status: Replaced
A	3m NW	Sheffield Teaching Hospitals Nhs Trust, Weston Park Hospital,whitham Road, Sheffield, S10 2SJ	Operator: Sheffield Teaching Hospitals Nhs Trust Type: Keeping And Use Of Radioactive Materials (was Rsa60 Section 1). Permission number: AA0744 Date of approval: 21/10/1991	Effective from: 21/10/1991 Last date of update: 06/01/2005 Status: Superseded By Variation
A	3m NW	Sheffield Teaching Hospitals Nhs Trust, Weston Park Hospital,whitham Road, Sheffield, S10 2SJ	Operator: Sheffield Teaching Hospitals Nhs Trust Type: Keeping And Use Of Radioactive Materials (was Rsa60 Section 1). Permission number: AA0744 Date of approval: 21/10/1991	Effective from: - Last date of update: 01/07/2005 Status: Valid
A	3m NW	Sheffield Teaching Hospitals Nhs Foundation Trust, Weston Park Hospital, Whitham Road, Sheffield, S10 2SJ	Operator: Sheffield Teaching Hospitals Nhs Foundation Trust Type: Disposal Of Radioactive Waste (was Rsa60 Section 6). Permission number: AC0257 Date of approval: 31/03/1991	Effective from: 31/03/1991 Last date of update: 01/01/2015 Status: Superseded By Variation
A	3m NW	Sheffield Teaching Hospitals Nhs Foundation Trust, Weston Park Hospital, Whitham Road, Sheffield, S10 2SJ	Operator: Sheffield Teaching Hospitals Nhs Foundation Trust Type: Disposal Of Radioactive Waste (was Rsa60 Section 6). Permission number: AC0257 Date of approval: 08/02/2002	Effective from: 08/02/2002 Last date of update: 01/01/2015 Status: Superseded By Variation

ID	Location	Address	Details	
A	3m NW	Sheffield Teaching Hospitals Nhs Foundation Trust, Weston Park Hospital, Whitham Road, Sheffield, S10 2SJ	Operator: Sheffield Teaching Hospitals Nhs Foundation Trust Type: Disposal Of Radioactive Waste (was Rsa60 Section 6). Permission number: AC0257 Date of approval: 01/12/2003	Effective from: 01/01/2004 Last date of update: 01/01/2015 Status: Superseded By Variation
A	3m NW	Sheffield Teaching Hospitals Nhs Foundation Trust, Weston Park Hospital, Whitham Road, Sheffield, S10 2SJ	Operator: Sheffield Teaching Hospitals Nhs Foundation Trust Type: Disposal Of Radioactive Waste (was Rsa60 Section 6). Permission number: AC0257 Date of approval: 23/01/2006	Effective from: 24/01/2006 Last date of update: 01/01/2015 Status: Superseded By Variation
A	3m NW	Sheffield Teaching Hospitals Nhs Foundation Trust, Weston Park Hospital,whitham Road, Sheffield, S10 2SJ	Operator: Sheffield Teaching Hospitals Nhs Foundation Trust Type: Keeping And Use Of Radioactive Materials (was Rsa60 Section 1). Permission number: AR5812 Date of approval: 14/08/2001	Effective from: 14/08/2001 Last date of update: 01/01/2015 Status: Superseded By Variation
A	3m NW	Sheffield Teaching Hospitals Nhs Foundation Trust, Weston Park Hospital,whitham Road, Sheffield, S10 2SJ	Operator: Sheffield Teaching Hospitals Nhs Foundation Trust Type: Keeping And Use Of Radioactive Materials (was Rsa60 Section 1). Permission number: AR5812 Date of approval: 22/07/2002	Effective from: 22/07/2002 Last date of update: 01/01/2015 Status: Superseded By Variation
A	3m NW	Sheffield Teaching Hospitals Nhs Foundation Trust, Weston Park Hospital,whitham Road, Sheffield, S10 2SJ	Operator: Sheffield Teaching Hospitals Nhs Foundation Trust Type: Keeping And Use Of Radioactive Materials (was Rsa60 Section 1). Permission number: AR5812 Date of approval: 24/01/2006	Effective from: 24/01/2006 Last date of update: 01/01/2015 Status: Superseded By Variation
E	106m NE	Western Bank, Sheffield, S10 2TH	Operator: Sheffield Childrens NHS Foundation Trust Type: - Permission number: MB3835DY Date of approval: -	Effective from: 04/03/2013 Last date of update: 01/01/2020 Status: Issued
E	106m NE	Sheffield Children's Nhs Foundation Trust, Western Bank, Sheffield, South Yorkshire, S10 2TH	Operator: Sheffield Children's Nhs Foundation Trust Type: Keeping And Use Of Radioactive Materials (was Rsa60 Section 1). Permission number: AA0728 Date of approval: 31/08/1999	Effective from: 31/08/1999 Last date of update: 01/01/2015 Status: Superseded By Variation

ID	Location	Address	Details	
E	106m NE	Sheffield Children's Nhs Foundation Trust, Western Bank, Sheffield, South Yorkshire, S10 2TH	Operator: Sheffield Children's Nhs Foundation Trust Type: Keeping And Use Of Radioactive Materials (was Rsa60 Section 1). Permission number: AA0728 Date of approval: 16/01/2004	Effective from: 16/01/2004 Last date of update: 01/01/2015 Status: Superseded By Variation
E	106m NE	Sheffield Children's Nhs Foundation Trust, Western Bank, Sheffield, South Yorkshire, S10 2TH	Operator: Sheffield Children's Nhs Foundation Trust Type: Keeping And Use Of Radioactive Materials (was Rsa60 Section 1). Permission number: AA0728 Date of approval: 22/08/2006	Effective from: 22/08/2006 Last date of update: 01/01/2015 Status: Effective
E	106m NE	Sheffield Children's Nhs Foundation Trust, Western Bank, Sheffield, South Yorkshire, S10 2TH	Operator: Sheffield Children's Nhs Foundation Trust Type: Disposal Of Radioactive Waste (was Rsa60 Section 6). Permission number: AJ2283 Date of approval: 22/06/1993	Effective from: 20/07/1993 Last date of update: 01/01/2015 Status: Superseded By Variation
E	106m NE	Sheffield Children's Nhs Foundation Trust, Western Bank, Sheffield, South Yorkshire, S10 2TH	Operator: Sheffield Children's Nhs Foundation Trust Type: - Permission number: AJ2283 Date of approval: 31/03/1991	Effective from: 31/03/1991 Last date of update: 01/01/2015 Status: Superseded By Variation
E	106m NE	Sheffield Children's Nhs Foundation Trust, Western Bank, Sheffield, South Yorkshire, S10 2TH	Operator: Sheffield Children's Nhs Foundation Trust Type: Disposal Of Radioactive Waste (was Rsa60 Section 6). Permission number: AJ2283 Date of approval: 15/07/1994	Effective from: 15/07/1994 Last date of update: 01/01/2015 Status: Superseded By Variation
E	106m NE	Sheffield Children's Nhs Foundation Trust, Western Bank, Sheffield, South Yorkshire, S10 2TH	Operator: Sheffield Children's Nhs Foundation Trust Type: Disposal Of Radioactive Waste (was Rsa60 Section 6). Permission number: AJ2283 Date of approval: 19/09/1997	Effective from: 17/10/1997 Last date of update: 01/01/2015 Status: Superseded By Variation
E	106m NE	Sheffield Children's Nhs Foundation Trust, Western Bank, Sheffield, South Yorkshire, S10 2TH	Operator: Sheffield Children's Nhs Foundation Trust Type: Disposal Of Radioactive Waste (was Rsa60 Section 6). Permission number: AJ2283 Date of approval: 01/12/2003	Effective from: 01/01/2004 Last date of update: 01/01/2015 Status: Superseded By Variation

ID	Location	Address	Details	
E	106m NE	Sheffield Children's Nhs Foundation Trust, Western Bank, Sheffield, South Yorkshire, S10 2TH	Operator: Sheffield Children's Nhs Foundation Trust Type: Disposal Of Radioactive Waste (was Rsa60 Section 6). Permission number: AJ2283 Date of approval: 06/01/2004	Effective from: 09/01/2004 Last date of update: 01/01/2015 Status: Superseded By Variation
E	106m NE	Sheffield Children's Nhs Foundation Trust, Western Bank, Sheffield, South Yorkshire, S10 2TH	Operator: Sheffield Children's Nhs Foundation Trust Type: Disposal Of Radioactive Waste (was Rsa60 Section 6). Permission number: AJ2283 Date of approval: 22/08/2006	Effective from: 22/08/2006 Last date of update: 01/01/2015 Status: Effective
G	320m NE	University Buildings, Western Bank, Sheffield, S10 2TN	Operator: University of Sheffield Type: Disposal Of Radioactive Waste (was Rsa60 Section 6). Permission number: BU7073 Date of approval: 13/06/2003	Effective from: - Last date of update: 01/01/2020 Status: Replaced
G	320m NE	University Buildings, Western Bank, Sheffield, S10 2TN	Operator: University of Sheffield Type: - Permission number: MB3998DF Date of approval: -	Effective from: 25/06/2015 Last date of update: 01/01/2020 Status: Issued
G	320m NE	University Buildings, Western Bank, Sheffield, S10 2TN	Operator: University of Sheffield Type: Keeping And Use Of Radioactive Materials (was Rsa60 Section 1). Permission number: BU7065 Date of approval: 13/06/2003	Effective from: - Last date of update: 01/01/2020 Status: Replaced
G	320m NE	University Of Sheffield, University Buildings, Western Bank, Sheffield, S10 2TN	Operator: University Of Sheffield Type: Disposal Of Radioactive Waste (was Rsa60 Section 6). Permission number: AV9743 Date of approval: 29/03/1996	Effective from: 31/03/1996 Last date of update: 01/01/2015 Status: Revoked/cancelled
G	320m NE	University Of Sheffield, University Buildings,western Bank, Sheffield, S10 2TN	Operator: University Of Sheffield Type: Keeping And Use Of Radioactive Materials (was Rsa60 Section 1). Permission number: AV9760 Date of approval: 22/04/1997	Effective from: 22/05/1997 Last date of update: 01/01/2015 Status: Superseded By Variation
G	320m NE	University Of Sheffield, University Buildings, Western Bank, Sheffield, S10 2TN	Operator: University Of Sheffield Type: Disposal Of Radioactive Waste (was Rsa60 Section 6). Permission number: AV9697 Date of approval: 29/03/1996	Effective from: 31/03/1996 Last date of update: 01/01/2015 Status: Superseded By Variation

ID	Location	Address	Details	
G	320m NE	University Of Sheffield, University Buildings, Western Bank, Sheffield, S10 2TN	Operator: University Of Sheffield Type: Disposal Of Radioactive Waste (was Rsa60 Section 6). Permission number: AV9697 Date of approval: 22/04/1997	Effective from: 01/07/1997 Last date of update: 01/01/2015 Status: Superseded By Variation
G	320m NE	University Of Sheffield, University Buildings, Western Bank, Sheffield, S10 2TN	Operator: University Of Sheffield Type: Disposal Of Radioactive Waste (was Rsa60 Section 6). Permission number: AV9697 Date of approval: 17/03/1998	Effective from: 23/03/1998 Last date of update: 01/01/2015 Status: Superseded By Variation
G	320m NE	University Of Sheffield, University Buildings, Western Bank, Sheffield, S10 2TN	Operator: University Of Sheffield Type: Disposal Of Radioactive Waste (was Rsa60 Section 6). Permission number: AV9697 Date of approval: 13/09/1999	Effective from: 13/10/1999 Last date of update: 01/01/2015 Status: Superseded By Variation

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

4.13 Licensed Discharges to controlled waters

Records within 500m **1**

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 37 >**

ID	Location	Address	Details	
20	441m E	4 HOUNSFIELD ROAD, SHEFFIELD, SOUTH YORKSHIRE, S3 7RF	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: S/P/1182 Permit Version: 1 Receiving Water: TRIB OF DON	Status: UNDETERMINED 1961 APPLICATION Issue date: 19/05/1966 Effective Date: 19/05/1966 Revocation Date: -

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	6

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 37 >**

ID	Location	Details	
D	40m N	Incident Date: 02/07/2001 Incident Identification: 12831 Pollutant: Organic Chemicals/Products Pollutant Description: Other Organic Chemical or Product	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
D	58m N	Incident Date: 11/10/2001 Incident Identification: 35974 Pollutant: Oils and Fuel Pollutant Description: Diesel	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)

ID	Location	Details	
F	286m N	Incident Date: 13/05/2002 Incident Identification: 78362 Pollutant: Other Pollutant Pollutant Description: Natural Ochre	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
17	295m W	Incident Date: 23/04/2002 Incident Identification: 73946 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Smoke	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
F	302m N	Incident Date: 02/04/2002 Incident Identification: 68313 Pollutant: Contaminated Water Pollutant Description: Suspended Solids	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
21	458m SE	Incident Date: 29/06/2001 Incident Identification: 12360 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Smoke	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)

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

4.19 Pollution inventory substances

Records within 500m	0

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

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

4.20 Pollution inventory waste transfers

Records within 500m	0

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

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

4.21 Pollution inventory radioactive waste

Records within 500m	5

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.

Features are displayed on the Current industrial land use map on **page 37 >**

ID: A, Location: On site, Permit: DB3395DK
Operator: Sheffield Teaching Hospitals NHS Foundation Trust
Address: Weston Park Hospital, Whitham Road, Sheffield S10 2SJ
Releases:

Route	Substance	Quantity released
Wastewater	Iodine 131	210GBq -
Wastewater	Total Alpha	0.23GBq -
Wastewater	Total Beta/Gamma (Excl Tritium)	790GBq -
Wastewater	Lutetium-177	580GBq -
Wastewater	Radium-223	0.23GBq -

ID: B, Location: On site, Permit: MB3435DZ
Operator: SHEFFIELD TEACHING HOSPITALS NHS FOUNDATION TRUST
Address: ROYAL HALLAMSHIRE HOSPITAL GLOSSOP ROAD SHEFFIELD S10 2JF
Releases:

Route	Substance	Quantity released
Wastewater	Technetium 99m	320GBq -
Wastewater	Iodine 123	8GBq -
Wastewater	Iodine 125	- -
Wastewater	Iodine 131	26GBq -
Wastewater	Total Beta/Gamma (Excl Tritium)	350GBq -

ID: C, Location: On site, Permit: RB3095DV
Operator: University of Sheffield
Address: Medical School, Royal Hallamshire Hospital, Glossop Road, Sheffield S10 2JF
Releases:

Route	Substance	Quantity released
Wastewater	Phosphorus 32	74.29MBq -
Wastewater	Fluorine 18	- -

ID: E, Location: 106m NE, Permit: AJ2283
Operator: SHEFFIELD CHILDREN'S NHS FOUNDATION TRUST
Address: WESTERN BANK SHEFFIELD SOUTH YORKSHIRE S10 2TH
Releases:

Route	Substance	Quantity released
Wastewater	Tritium	- -
Wastewater	Carbon 14	- -
Wastewater	Technetium 99m	- -
Wastewater	Iodine 123	2.1GBq -
Air	Carbon 14	- -
Wastewater	Total Beta/Gamma (Excl Tritium)	9GBq -

ID: G, Location: 322m NE, Permit: MB3998DF
Operator: University of Sheffield
Address: University Buildings, Western Bank, Sheffield S10 2TN
Releases:

Route	Substance	Quantity released
Wastewater	Tritium	- -
Wastewater	Carbon 14	1305MBq -
Wastewater	Phosphorus 32	15.6MBq -
Air	Carbon 14	- -

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

5 Hydrogeology - Superficial aquifer

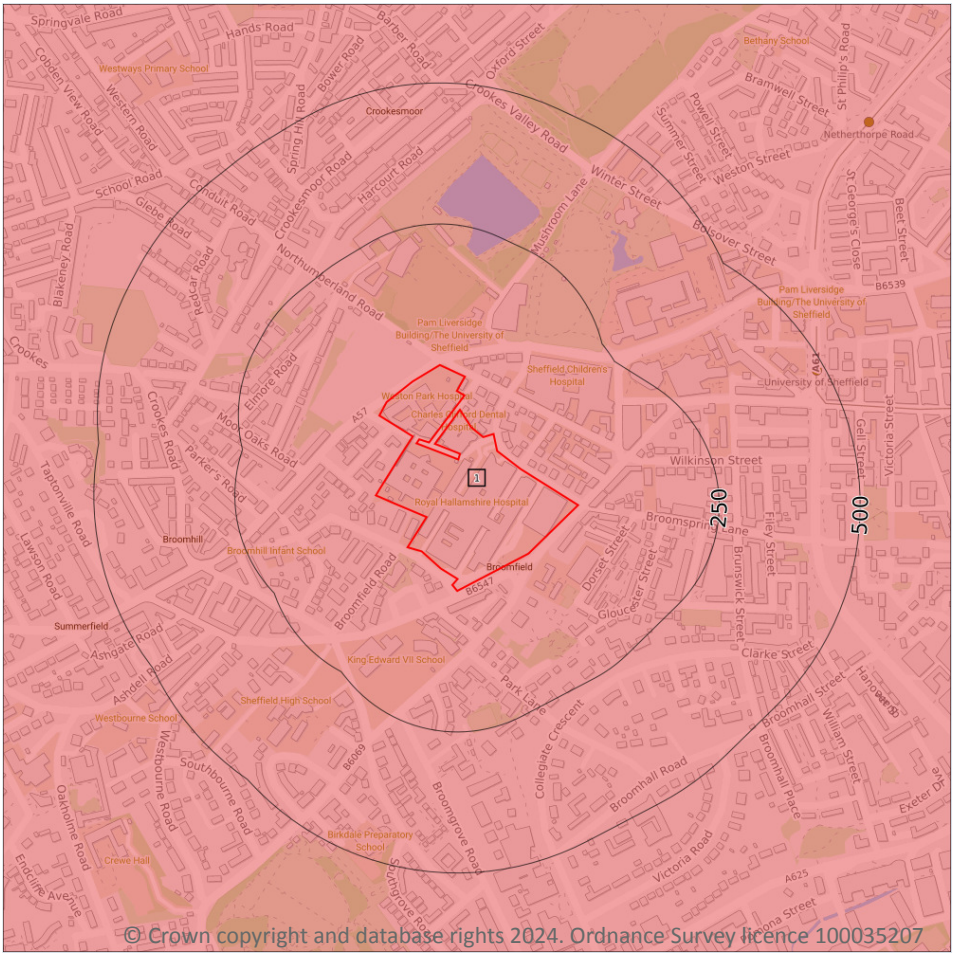
5.1 Superficial aquifer

Records within 500m	0

Aquifer status of groundwater held within superficial geology.

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

Bedrock aquifer



5.2 Bedrock aquifer

Records within 500m	1

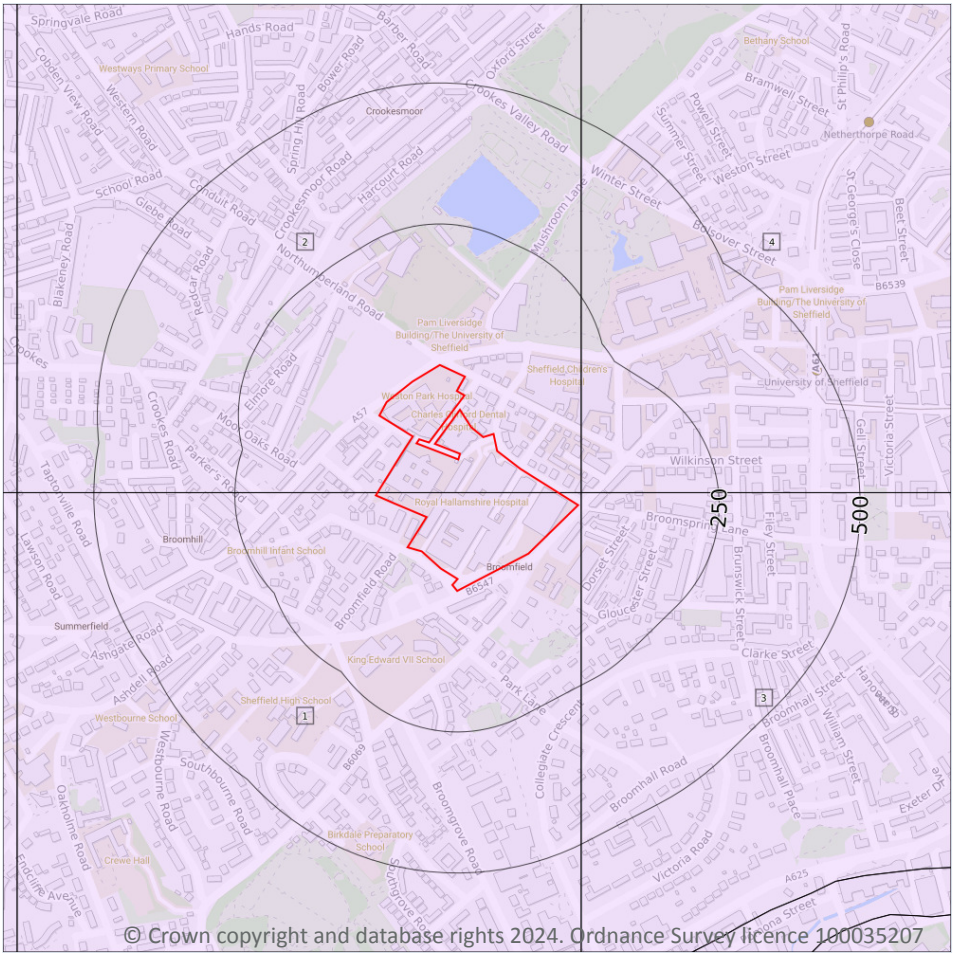
Aquifer status of groundwater held within bedrock geology.

Features are displayed on the Bedrock aquifer map on **page 54 >**

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



Site Outline

Search buffers in metres (m)

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

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

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

5.3 Groundwater vulnerability

Records within 50m	4

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 55 >**

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	**On site**	**Summary Classification: Secondary bedrock aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer**	**Leaching class: Low Infiltration value: <40% Dilution value: 300-550mm/year**	**Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data**	**Vulnerability: Medium Aquifer type: Secondary Flow mechanism: Well connected fractures**
2	**On site**	**Summary Classification: Secondary bedrock aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer**	**Leaching class: Low Infiltration value: <40% Dilution value: 300-550mm/year**	**Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data**	**Vulnerability: Medium Aquifer type: Secondary Flow mechanism: Well connected fractures**
3	5m E	Summary Classification: Secondary bedrock aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: <40% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Medium Aquifer type: Secondary Flow mechanism: Well connected fractures
4	21m E	Summary Classification: Secondary bedrock aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: <40% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Medium Aquifer type: Secondary Flow mechanism: 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.

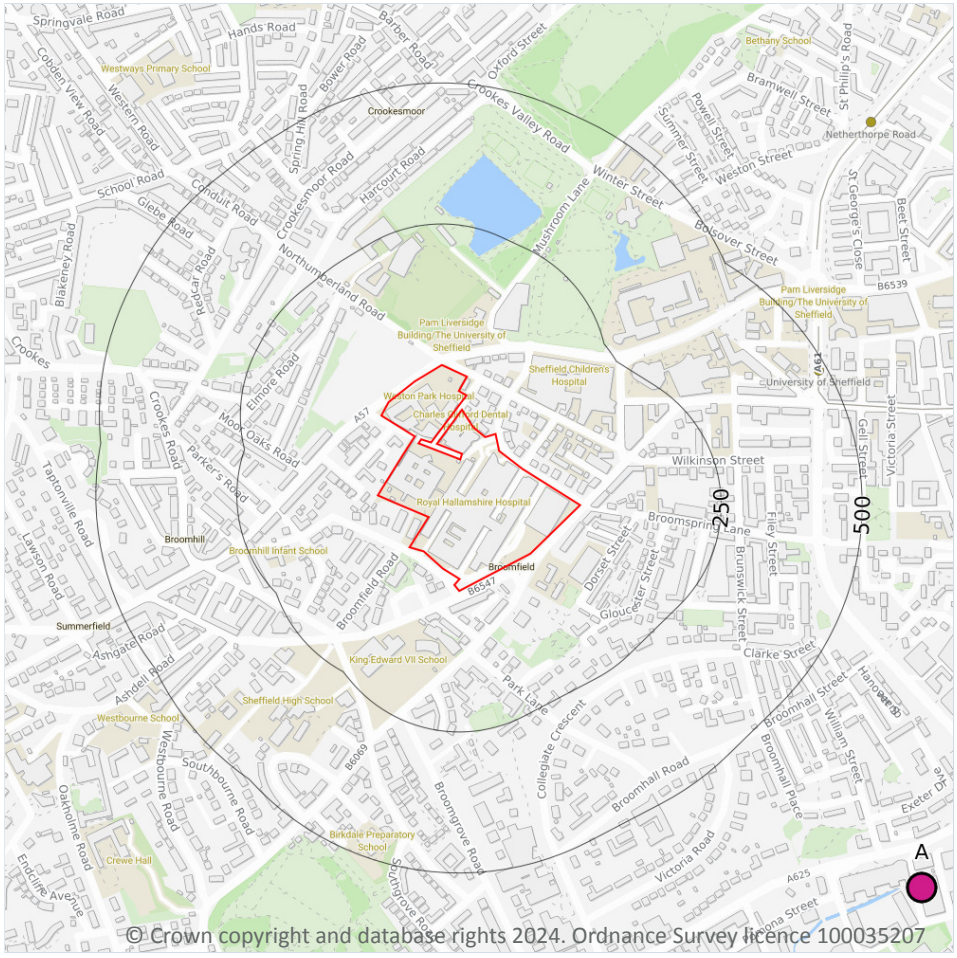
5.5 Groundwater vulnerability- local information

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	3

Licensed groundwater abstractions for sites extracting more than 20 cubic metres of water a day and includes active and historical records. The data may be for a single abstraction point, between two points (line data) or a larger area.

Features are displayed on the Abstractions and Source Protection Zones map on **page 57 >**

ID	Location	Details	
A	908m SE	Status: Historical Licence No: 2/27/04/002 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: GROUNDWATERS Point: BOREHOLE Data Type: Point Name: S H WARD & CO LTD Easting: 434600 Northing: 386300	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 01/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 01/12/1965 Version End Date: -
A	908m SE	Status: Historical Licence No: 2/27/04/002 Details: General use relating to Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE Data Type: Point Name: S H WARD & CO LTD Easting: 434600 Northing: 386300	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 01/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 01/12/1965 Version End Date: -
-	1614m SE	Status: Active Licence No: NE/027/0004/003 Details: Spray Irrigation - Direct Direct Source: GROUNDWATERS Point: BOREHOLE - COAL MEASURES - BRAMALL LANE - SHEFFIELD Data Type: Point Name: The Sheffield United Football Club Ltd Easting: 435355 Northing: 386109	Annual Volume (m^3): 21400 Max Daily Volume (m^3): 100 Original Application No: NPS/WR/018868 Original Start Date: 09/11/2015 Expiry Date: 31/03/2029 Issue No: 1 Version Start Date: 09/11/2015 Version End Date: -

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

5.7 Surface water abstractions

Records within 2000m	**8**

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 57 >**

ID	Location	Details	
-	1026m S	Status: Historical Licence No: 2/27/04/023 Details: Milling & Water power other than electricity generation Direct Source: SURFACE WATER Point: RIVER PORTER Data Type: Point Name: WILSONS & CO (SHARROW) LIMITED Easting: 433800 Northing: 385800	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 25/02/1970 Expiry Date: - Issue No: 100 Version Start Date: 25/02/1970 Version End Date: -
-	1026m S	Status: Historical Licence No: 2/27/04/023 Details: Milling & Water Power Other Than Electricity Generation Direct Source: SURFACE WATER Point: RIVER PORTER-SHARROW-SHEFFIELD Data Type: Point Name: WILSONS CO (SHARROW) LTD Easting: 433800 Northing: 385800	Annual Volume (m^3): 918310 Max Daily Volume (m^3): 4001 Original Application No: - Original Start Date: 25/02/1970 Expiry Date: - Issue No: 101 Version Start Date: 10/04/2001 Version End Date: -
-	1288m SW	Status: Active Licence No: 2/27/04/023 Details: Milling & Water Power Other Than Electricity Generation Direct Source: SURFACE WATER Point: RIVER PORTER-SHARROW-SHEFFIELD Data Type: Point Name: WILSONS CO (SHARROW) LTD Easting: 433000 Northing: 385800	Annual Volume (m^3): 918310 Max Daily Volume (m^3): 4001 Original Application No: NPS/WR/019688 Original Start Date: 25/02/1970 Expiry Date: - Issue No: 102 Version Start Date: 07/05/2015 Version End Date: -
-	1624m SW	Status: Active Licence No: 2/27/04/007 Details: General Use Relating To Secondary Category (Very Low Loss) Direct Source: SURFACE WATER Point: RIVER PORTER Data Type: Line Name: SHEFFIELD CITY COUNCIL Easting: 430200 Northing: 384800	Annual Volume (m^3): 4948000 Max Daily Volume (m^3): 13500 Original Application No: 1859 Original Start Date: 20/01/1966 Expiry Date: - Issue No: 101 Version Start Date: 08/02/2008 Version End Date: -

ID	Location	Details	
-	1624m SW	Status: Historical Licence No: 2/27/04/007 Details: General use relating to Secondary Category (Very Low Loss) Direct Source: SURFACE WATER Point: RIVER PORTER Data Type: Line Name: CITY OF SHEFFIELD M D C Easting: 430200 Northing: 384800	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 20/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 23/11/1976 Version End Date: -
-	1624m SW	Status: Historical Licence No: 2/27/04/007 Details: General Use Relating To Secondary Category (Very Low Loss) Direct Source: SURFACE WATER Point: RIVER PORTER Data Type: Line Name: CITY OF SHEFFIELD M D C Easting: 430200 Northing: 384800	Annual Volume (m^3): 4948000 Max Daily Volume (m^3): 13500 Original Application No: - Original Start Date: 20/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 23/11/1976 Version End Date: -
-	1697m NE	Status: Historical Licence No: 2/27/05/088 Details: General use relating to Secondary Category (Medium Loss) Direct Source: SURFACE WATER Point: RIVER DON-SHEFFIELD Data Type: Point Name: E E ENGLETON ENGINEERING LTD Easting: 435000 Northing: 388400	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 17/03/1966 Expiry Date: - Issue No: 100 Version Start Date: 03/05/1986 Version End Date: -
-	1697m NE	Status: Historical Licence No: 2/27/05/088 Details: General use relating to Secondary Category (Medium Loss) Direct Source: SURFACE WATER Point: RIVER DON-SHEFFIELD Data Type: Point Name: E E ENGLETON ENGINEERING LTD Easting: 435000 Northing: 388400	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 17/03/1966 Expiry Date: - Issue No: 100 Version Start Date: 03/05/1986 Version End Date: -

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

5.8 Potable abstractions

Records within 2000m	0

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

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

5.9 Source Protection Zones

Records within 500m	0

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

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

5.10 Source Protection Zones (confined aquifer)

Records within 500m	0

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

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

6 Hydrology

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

6.1 Water Network (OS MasterMap)

Records within 250m	0

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

This data is sourced from the Ordnance Survey.

6.2 Surface water features

Records within 250m	1

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 62 >**

This data is sourced from the Ordnance Survey.

6.3 WFD Surface water body catchments

Records on site	2

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 62 >**

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
1	**On site**	**River**	**Don from River Loxley confl to River Don Works**	**GB104027057412**	**Don Middle**	**Don and Rother**
2	**On site**	**River**	**Porter from Source to River Sheaf**	**GB104027057760**	**Don Middle**	**Don and Rother**

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

6.4 WFD Surface water bodies

Records identified	2

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

Features are displayed on the Hydrology map on **page 62 >**

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
-	835m SE	River	Porter from Source to River Sheaf	GB104027057760 ↗	Moderate	Fail	Moderate	2019
-	1576m NE	River	Don from River Loxley confl to River Don Works	GB104027057412 ↗	Poor	Fail	Poor	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 62 >**

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
3	**On site**	**Don & Rother Millstone grit & Coal Measures**	**GB40402G992300** ↗	**Poor**	**Poor**	**Good**	**2019**

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

7 River and coastal flooding

7.1 Risk of flooding from rivers and the sea

Records within 50m	0

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

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

7.2 Historical Flood Events

Records within 250m	0

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

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

7.3 Flood Defences

Records within 250m	0

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

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

7.4 Areas Benefiting from Flood Defences

Records within 250m	0

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

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

7.5 Flood Storage Areas

Records within 250m	0

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

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

River and coastal flooding - Flood Zones

7.6 Flood Zone 2

Records within 50m	0

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

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

7.7 Flood Zone 3

Records within 50m	0

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

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

8 Surface water flooding

8.1 Surface water flooding

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

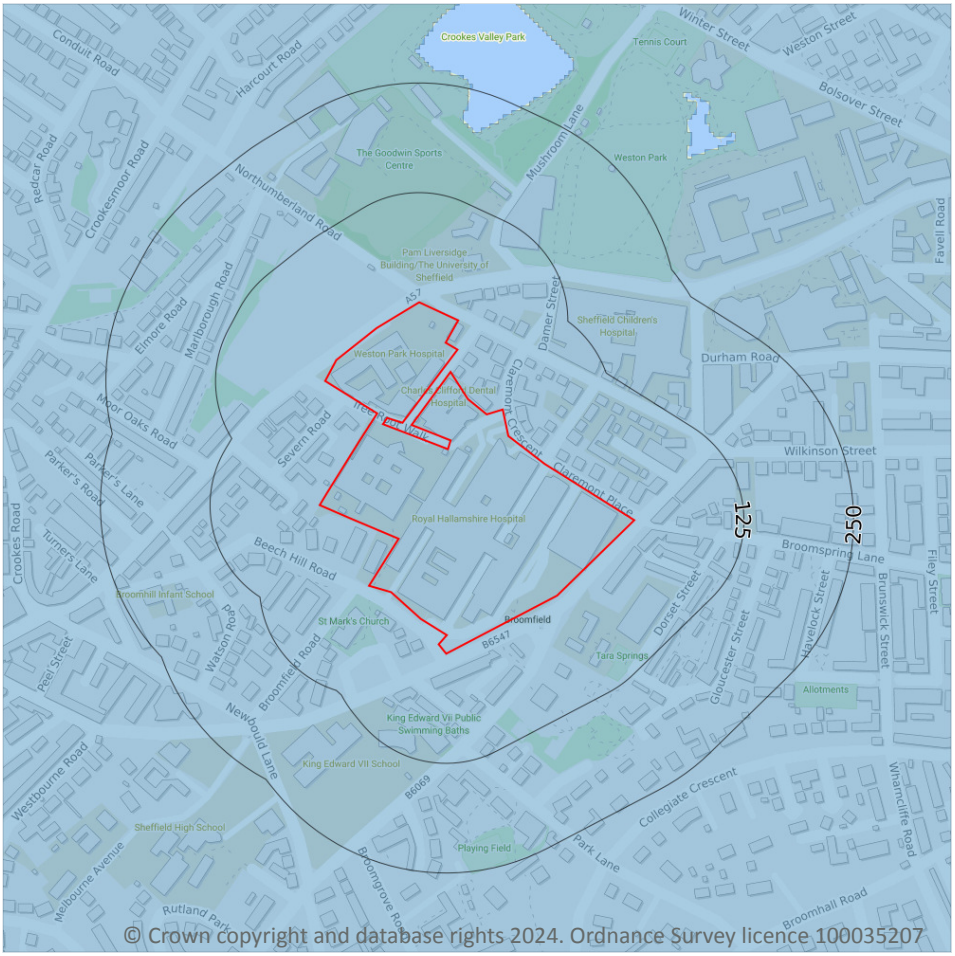
Ambiental Risk Analytics surface water (pluvial) FloodMap identifies areas likely to flood as a result of extreme rainfall events, i.e. land naturally vulnerable to surface water ponding or flooding. This data set was produced by simulating 1 in 30 year, 1 in 100 year, 1 in 250 year and 1 in 1,000 year 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.

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

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

This data is sourced from Ambiental Risk Analytics.

9 Groundwater flooding



9.1 Groundwater flooding

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

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

Features are displayed on the Groundwater flooding map on **page 69 >**

This data is sourced from Ambiental Risk Analytics.

10 Environmental designations

10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m	1

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.

Features are displayed on the Environmental designations map on **page 70 >**

ID	Location	Name	Data source
-	1976m N	Neepsend Railway Cutting	Natural England

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	6

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 70 >**

ID	Location	Name	Data source
1	655m SE	Sunnybank	Natural England
2	903m SE	Sheffield General Cemetery	Natural England
3	1163m SW	Porter Valley woodlands	Natural England
6	1594m SE	Sharrow School Green Roof	Natural England
7	1636m SW	Porter Valley woodlands	Natural England
-	1985m SW	Porter Valley woodlands	Natural England

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

10.7 Designated Ancient Woodland

Records within 2000m	1

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 70 >**

ID	Location	Name	Woodland Type
-	1481m SW	Smith 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 70 >**

ID	Location	Name	Local Authority name
4	1243m NW	South and West Yorkshire	Sheffield
-	1902m NW	South and West Yorkshire	Sheffield
-	1970m NW	South and West Yorkshire	Sheffield
-	1989m NW	South and West Yorkshire	Sheffield

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

10.12 Proposed Ramsar sites

Records within 2000m	0

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

This data is sourced from Natural England.

10.13 Possible Special Areas of Conservation (pSAC)

Records within 2000m	0

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

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

10.14 Potential Special Protection Areas (pSPA)

Records within 2000m	0

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

This data is sourced from Natural England.

10.15 Nitrate Sensitive Areas

Records within 2000m	0

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

This data is sourced from Natural England.

10.16 Nitrate Vulnerable Zones

Records within 2000m	0

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

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

SSSI Impact Zones and Units

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 75 >**

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	1

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.

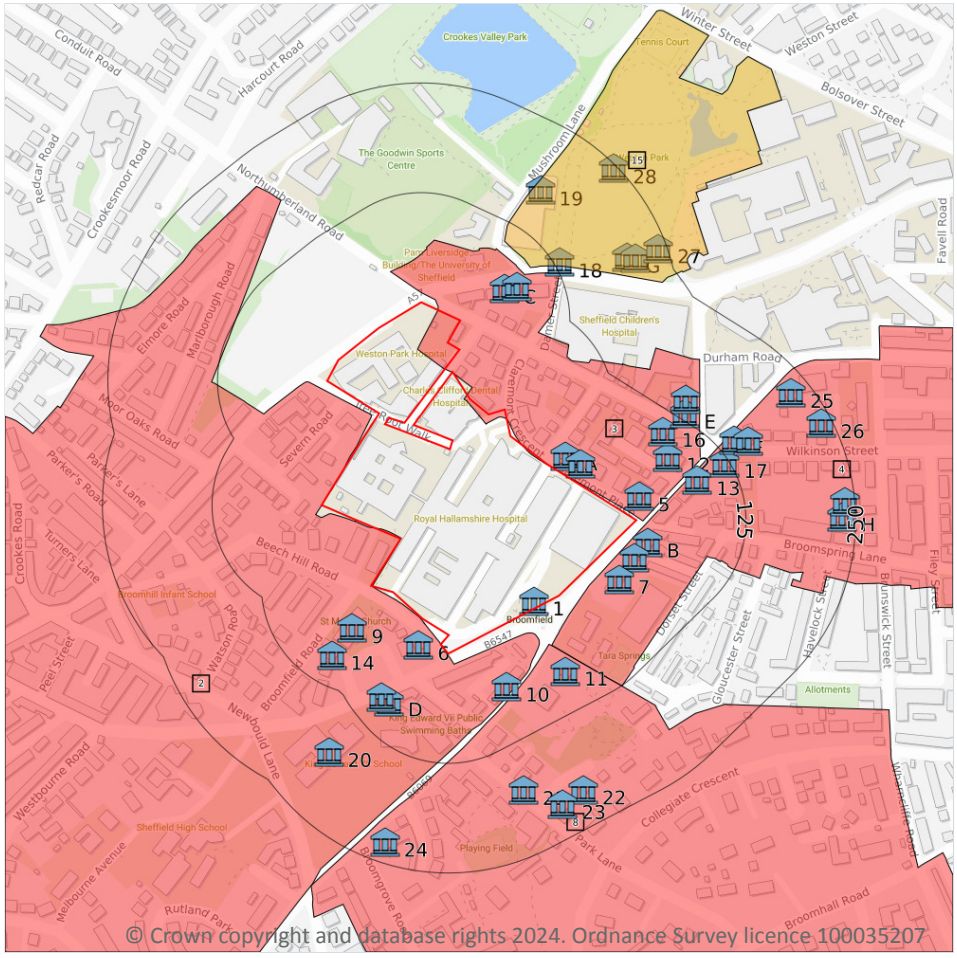
Features are displayed on the SSSI Impact Zones and Units map on **page 75 >**

ID: -
Location: 1976m N
SSSI name: Neepsend Railway Cutting
Unit name: Neepsend Railway Cutting
Broad habitat: Earth Heritage
Condition: Unfavourable - Recovering
Reportable features:

Feature name	Feature condition	Date of assessment
ER - Westphalian	Unfavourable - Recovering	25/04/2022

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

11 Visual and cultural designations



Site Outline

Search buffers in metres (m)

- Listed buildings
- Conservation areas
- Conservation areas - no data
- National Parks
- Areas of Outstanding Natural Beauty
- Registered parks and gardens
- Scheduled Monuments
- World Heritage Sites

11.1 World Heritage Sites

Records within 250m	0

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

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

11.2 Area of Outstanding Natural Beauty

Records within 250m	0

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

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

11.3 National Parks

Records within 250m	0

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

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

11.4 Listed Buildings

Records within 250m	39

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

Features are displayed on the Visual and cultural designations map on **page 77 >**

ID	Location	Name	Grade	Reference Number	Listed date
1	**On site**	**Memorial To Robert Ernest 20 Metres South East Of Royal Hallamshire Hospital**	**II**	**1270541**	**12/12/1995**
A	19m E	10, Claremont Place	II	1270978	12/12/1995
A	21m E	8, Claremont Place	II	1247252	12/12/1995
5	25m E	University Of Sheffield Health Centre	II	1247251	12/12/1995
6	25m S	440, Glossop Road	II	1270539	28/06/1973

ID	Location	Name	Grade	Reference Number	Listed date
B	28m E	361 363 And 365, Glossop Road	II	1270538	28/06/1973
B	29m E	367-373, Glossop Road	II	1254953	28/06/1973
7	35m SE	375-385, Glossop Road	II	1254954	28/06/1973
9	53m SW	Church Of St Mark	II	1247190	28/06/1973
C	62m N	303, Western Bank	II	1247651	12/12/1995
10	64m S	Numbers 4-20 And 20a And Steps Walls And Railings	II	1247254	12/12/1995
C	75m N	301, Western Bank	II	1270869	12/12/1995
11	79m SE	5, Clarkehouse Road	II	1270979	28/06/1973
12	80m E	University Of Sheffield Drama Studio And Attached Walls And Railings	II	1270543	28/06/1973
13	83m E	329-335, Glossop Road	II	1038969	09/12/1988
D	87m S	Former Caretakers House 45 Metres North East Of King Edward Vii School	II	1254955	12/12/1995
D	90m S	Gate Piers 20 Metres North West Of Number 457	II	1270540	12/12/1995
14	91m SW	St Marks Vicarage	II	1270945	12/12/1995
16	102m E	1, Northumberland Road	II	1271179	12/12/1995
17	120m E	91-101, Wilkinson Street	II	1254574	12/12/1995
18	131m NE	Gateway At South West Entrance	II	1254482	12/12/1995
E	132m E	Sheffield Centre Spiritualist Church	II	1247281	12/12/1995
F	144m E	319 And 321, Glossop Road	II	1374233	12/12/1995
E	146m E	Beulah Kop	II	1270954	12/12/1995
F	156m E	Grieg House	II	1067333	12/12/1995
19	174m N	Mappin Art Gallery	II*	1254483	28/06/1973
20	176m SW	King Edward Vii Upper School	II*	1254957	28/06/1973
21	178m S	Sewer Gas Lamp 25 Metres South East Of Junction With Antrim Avenue	II	1246893	12/12/1995
G	203m NE	York And Lancaster Regiment War Memorial	II	1270765	28/06/1973
22	209m SE	Hyde Place	II	1271134	12/12/1995
G	212m NE	York And Lancaster Regiment Boer War Memorial	II	1254486	28/06/1973
23	212m S	Hyde Park Villas	II	1246810	12/12/1995

ID	Location	Name	Grade	Reference Number	Listed date
24	227m S	Broomgrove House	II	1247255	28/06/1973
25	229m E	305, Glossop Road	II	1038968	28/06/1973
H	235m E	Cutlery Forge And Assembly Shop	II	1246966	01/09/1989
H	238m E	Grinding Hull 15 Metres North Of Number 120a	II	1271102	10/09/1993
26	239m E	1-6, Peel Terrace	II	1246898	28/06/1973
27	240m NE	Statue Of Ebenezer Elliott, Weston Park	II	1270764	28/06/1973
28	247m NE	Bandstand 60 Metres North East Of Mappin Art Gallery	II	1270763	12/12/1995

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

11.5 Conservation Areas

Records within 250m **4**

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

Features are displayed on the Visual and cultural designations map on **page 77 >**

ID	Location	Name	District	Date of designation
2	**On site**	**Broomhill**	**Sheffield**	**02/03/1977**
3	**On site**	**Northumberland Road**	**Sheffield**	**02/12/1981**
4	11m E	Hanover	Sheffield	04/1978
8	44m SE	Broomhall	Sheffield	02/09/1970

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	**1**

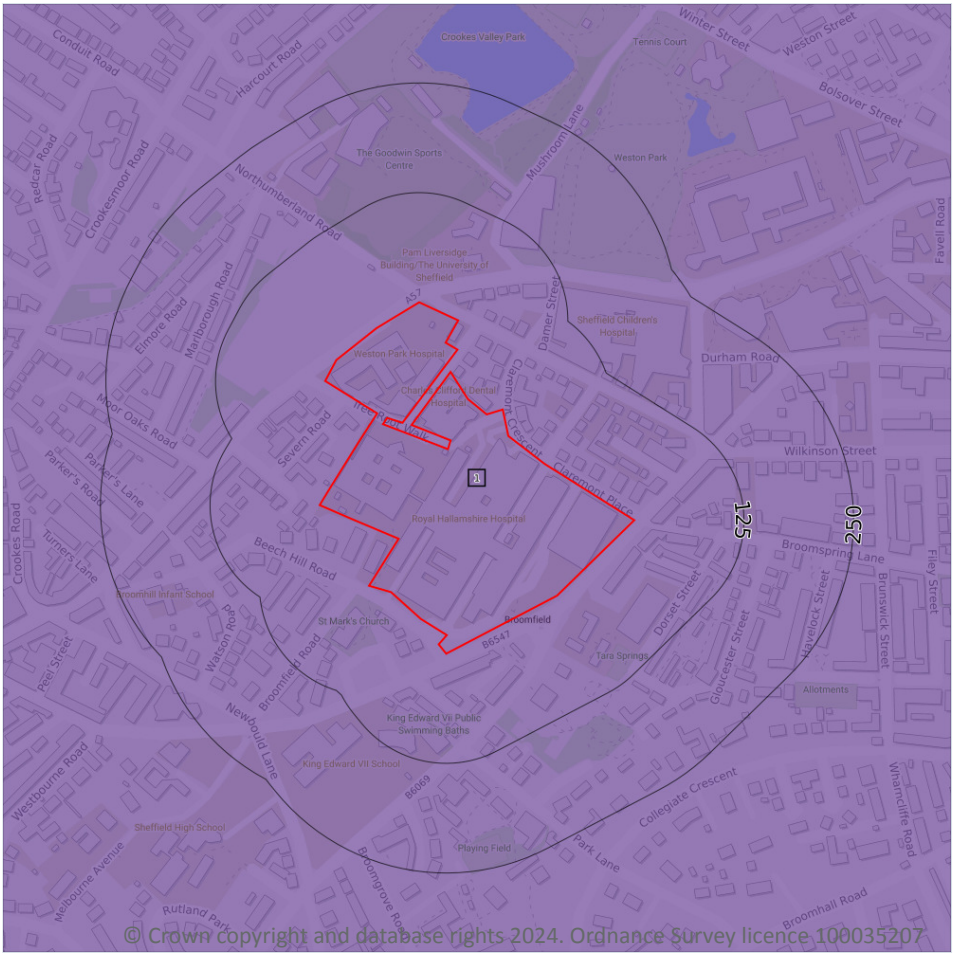
Parks and gardens assessed to be of particular interest and of special historic interest. The emphasis being on 'designed' landscapes, rather than on planting or botanical importance. Registration is a 'material consideration' in the planning process, meaning that planning authorities must consider the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

Features are displayed on the Visual and cultural designations map on **page 77 >**

ID	Location	Name	Grade
15	100m N	Weston Park	II

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

12 Agricultural designations



Site Outline

Search buffers in metres (m)

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

12.1 Agricultural Land Classification

Records within 250m	1

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

Features are displayed on the Agricultural designations map on **page 82 >**

ID	Location	Classification	Description
1	**On site**	**Urban**	-

This data is sourced from Natural England.

12.2 Open Access Land

Records within 250m	0

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

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

12.3 Tree Felling Licences

Records within 250m	0

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

This data is sourced from the Forestry Commission.

12.4 Environmental Stewardship Schemes

Records within 250m	0

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

This data is sourced from Natural England.

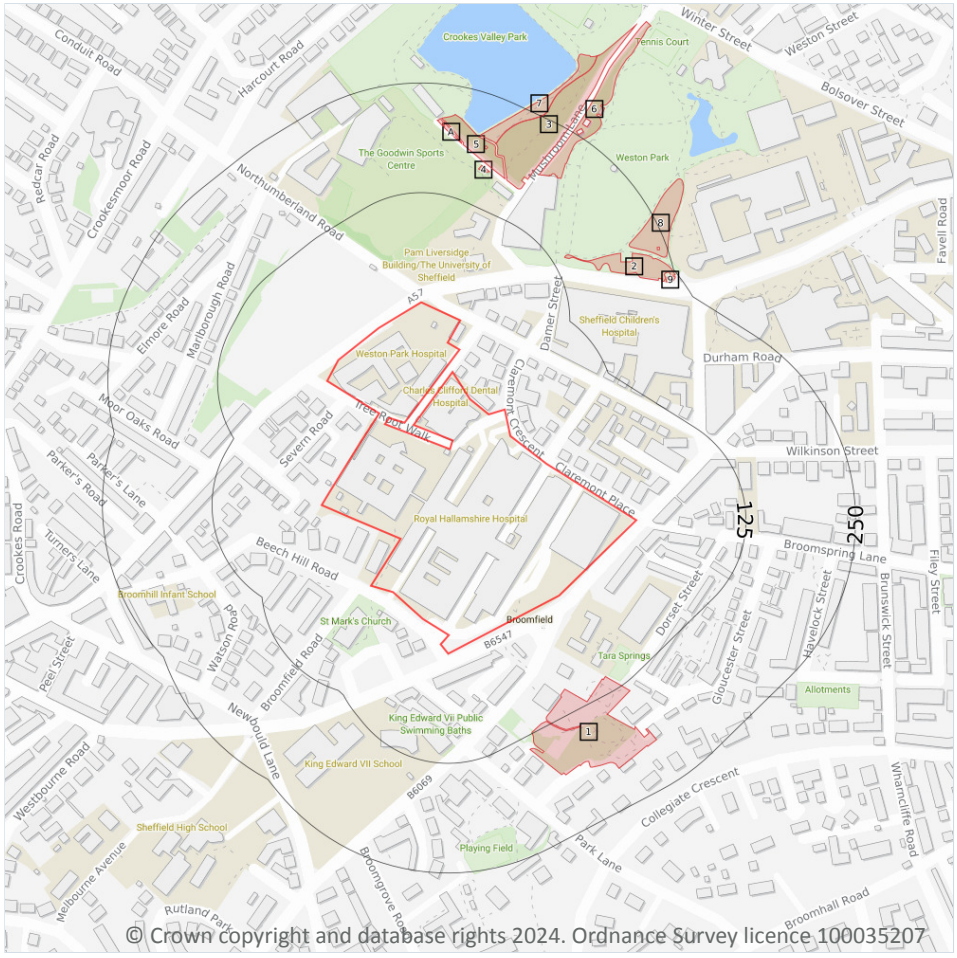
12.5 Countryside Stewardship Schemes

Records within 250m	0

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

This data is sourced from Natural England.

13 Habitat designations



© Crown copyright and database rights 2024. Ordnance Survey licence 100035207

Site Outline

Search buffers in metres (m)

- Priority Habitat Inventory
- Open Mosaic Habitat
- Limestone Pavement Orders

Habitat Networks

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

13.1 Priority Habitat Inventory

Records within 250m	11

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

Features are displayed on the Habitat designations map on **page 84 >**

ID	Location	Main Habitat	Other habitats
1	97m SE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
2	139m NE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
3	164m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
4	164m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)

ID	Location	Main Habitat	Other habitats
5	168m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
A	187m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
6	189m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
7	200m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
A	202m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
8	211m NE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
9	235m NE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)

This data is sourced from Natural England.

13.2 Habitat Networks

Records within 250m	0

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

This data is sourced from Natural England.

13.3 Open Mosaic Habitat

Records within 250m	0

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

This data is sourced from Natural England.

13.4 Limestone Pavement Orders

Records within 250m	0

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

This data is sourced from Natural England.

14 Geology 1:10,000 scale - Availability

Site Outline

Search buffers in metres (m)

- Full coverage
- Partial coverage
- No coverage

14.1 10k Availability

Records within 500m	1

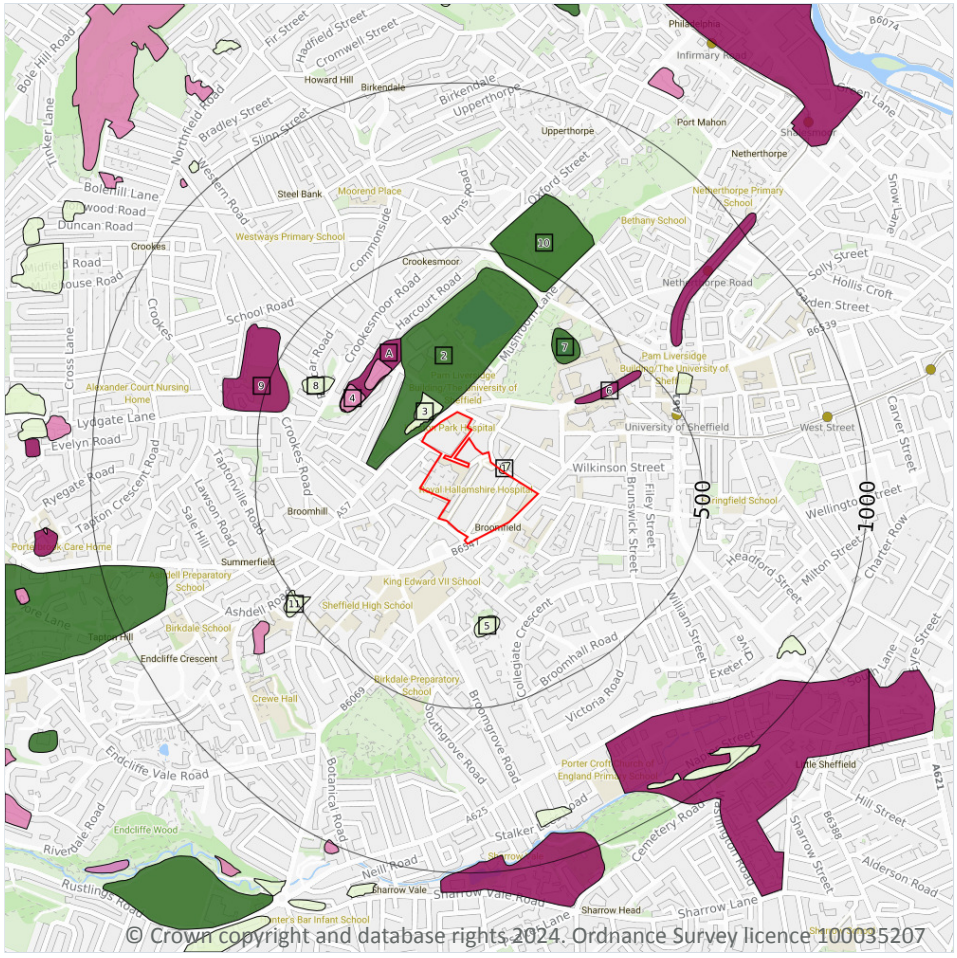
An indication on the coverage of 1:10,000 scale geology data for the site, the most detailed dataset provided by the British Geological Survey. Either 'Full', 'Partial' or 'No coverage' for each geological theme.

Features are displayed on the Geology 1:10,000 scale - Availability map on **page 87 >**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	**On site**	**Full**	**Full**	**Full**	**Full**	**SK38NW**

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 **13**

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

Features are displayed on the Geology 1:10,000 scale - Artificial and made ground map on **page 88 >**

ID	Location	LEX Code	Description	Rock description
1	**On site**	**WMGR-ARTDP**	**Infilled Ground**	**Artificial Deposit**
2	13m NW	LSGR-UKNOWN	Landscaped Ground (Undivided)	Unknown/unclassified Entry
3	25m NW	WMGR-ARTDP	Infilled Ground	Artificial Deposit
A	209m NW	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit

ID	Location	LEX Code	Description	Rock description
A	212m NW	WGR-VOID	Worked Ground (Undivided)	Void
4	214m NW	WGR-VOID	Worked Ground (Undivided)	Void
5	229m S	WMGR-ARTDP	Infilled Ground	Artificial Deposit
6	294m NE	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
7	313m NE	LSGR-UKNOWN	Landscaped Ground (Undivided)	Unknown/unclassified Entry
8	322m NW	WMGR-ARTDP	Infilled Ground	Artificial Deposit
9	421m NW	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
10	441m N	LSGR-UKNOWN	Landscaped Ground (Undivided)	Unknown/unclassified Entry
11	456m SW	WMGR-ARTDP	Infilled Ground	Artificial Deposit

This data is sourced from the British Geological Survey.

Geology 1:10,000 scale - Superficial

14.3 Superficial geology (10k)

Records within 500m	0

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

This data is sourced from the British Geological Survey.

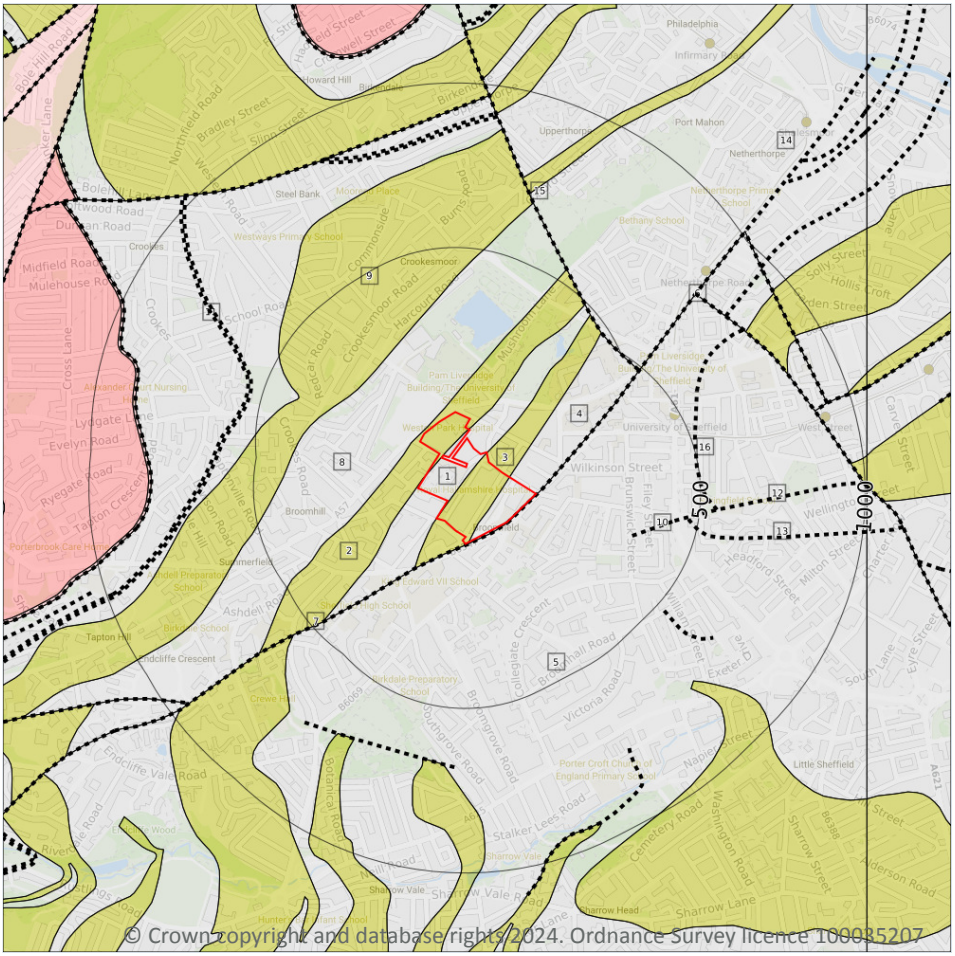
14.4 Landslip (10k)

Records within 500m	0

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

This data is sourced from the British Geological Survey.

Geology 1:10,000 scale - Bedrock



Site Outline

Search buffers in metres (m)

Bedrock faults and other linear features (10k)

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

14.5 Bedrock geology (10k)

Records within 500m	9

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

Features are displayed on the Geology 1:10,000 scale - Bedrock map on **page 91 >**

ID	Location	LEX Code	Description	Rock age
1	On site	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age
2	On site	GM-SDST	Greenmoor Rock - Sandstone	Langsettian Sub-age
3	On site	GR-SDST	Grenoside Sandstone - Sandstone	Langsettian Sub-age

ID	Location	LEX Code	Description	Rock age
4	**On site**	**PLCM-MDSS**	**Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone**	**Langsettian Sub-age**
5	3m SE	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age
8	8m NW	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age
9	239m NW	LER-SDST	Loxley Edge Rock - Sandstone	Langsettian Sub-age
11	391m NW	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age
14	477m NE	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age

This data is sourced from the British Geological Survey.

14.6 Bedrock faults and other linear features (10k)

Records within 500m **7**

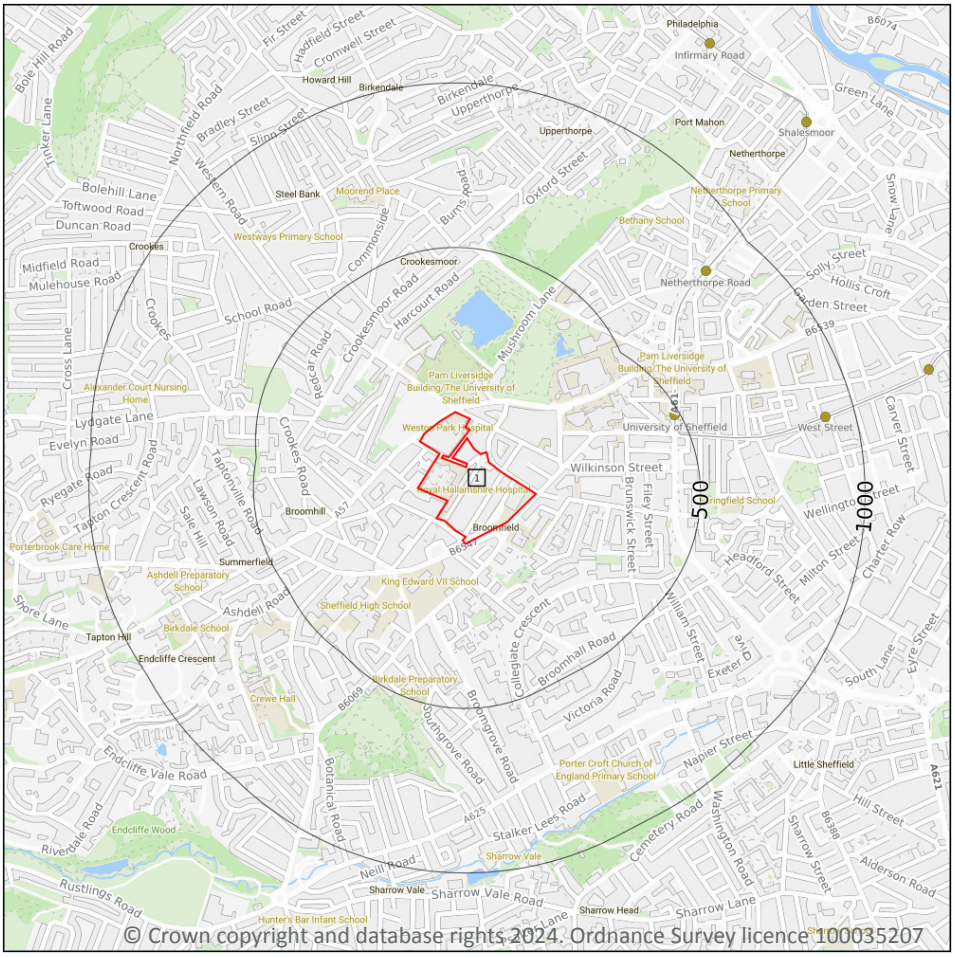
Linear features at the ground or bedrock surface at 1:10,000 scale of six main types; rock, fault, fold axis, mineral vein, alteration area or landform. Features are either observed or inferred, and relate primarily to bedrock.

Features are displayed on the Geology 1:10,000 scale - Bedrock map on **page 91 >**

ID	Location	Category	Description
6	3m SE	FAULT	Normal fault, inferred
7	3m SE	FAULT	Normal fault, inferred
10	319m E	FAULT	Normal fault, inferred
12	429m E	FAULT	Normal fault, inferred
13	467m E	ROCK	Coal seam, inferred
15	477m NE	FAULT	Normal fault, inferred
16	495m E	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

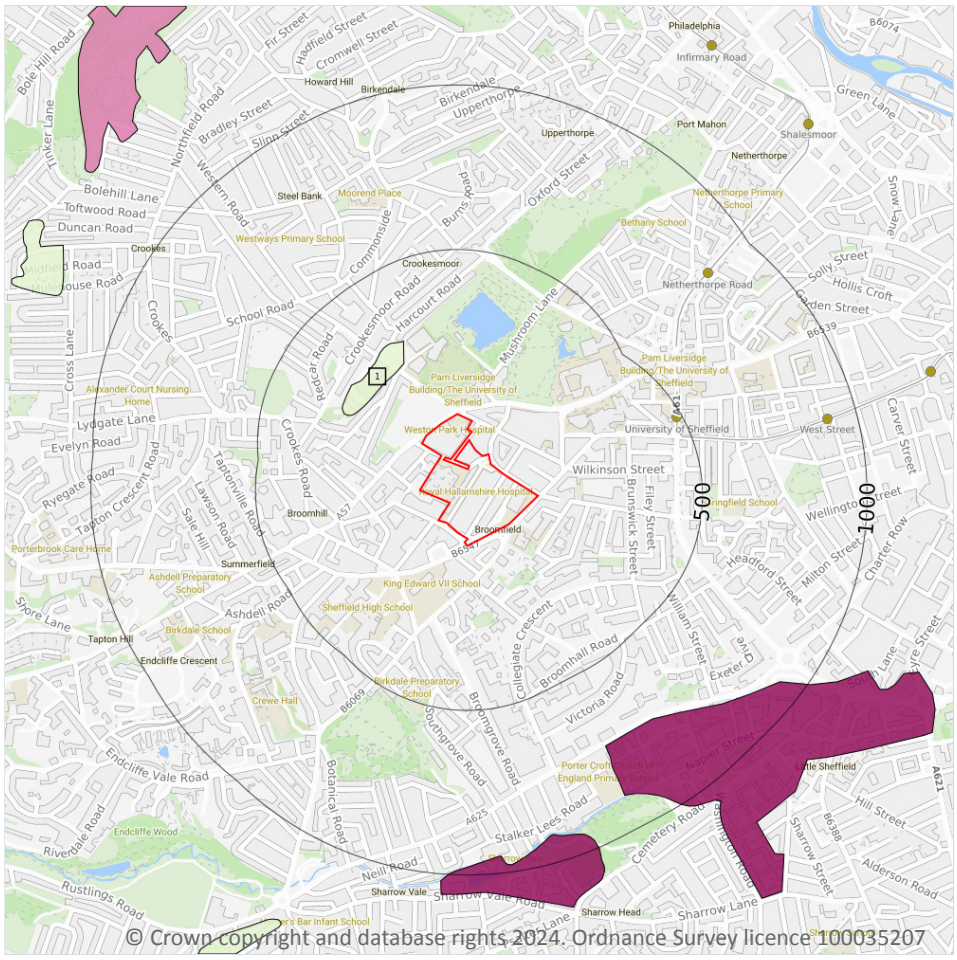
An indication on the coverage of 1:50,000 scale geology data for the site. Either 'Full' or 'No coverage' for each geological theme.

Features are displayed on the Geology 1:50,000 scale - Availability map on **page 93 >**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	**On site**	**No coverage**	**Full**	**Full**	**Full**	**EW100_sheffield_v4**

This data is sourced from the British Geological Survey.

Geology 1:50,000 scale - Artificial and made 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 94 >**

ID	Location	LEX Code	Description	Rock description
1	200m NW	WMGR-ARTDP	INFILLED GROUND	ARTIFICIAL DEPOSIT

This data is sourced from the British Geological Survey.

15.3 Artificial ground permeability (50k)

Records within 50m	0

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

This data is sourced from the British Geological Survey.

Geology 1:50,000 scale - Superficial

15.4 Superficial geology (50k)

Records within 500m	0

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

This data is sourced from the British Geological Survey.

15.5 Superficial permeability (50k)

Records within 50m	0

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

This data is sourced from the British Geological Survey.

15.6 Landslip (50k)

Records within 500m	0

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

This data is sourced from the British Geological Survey.

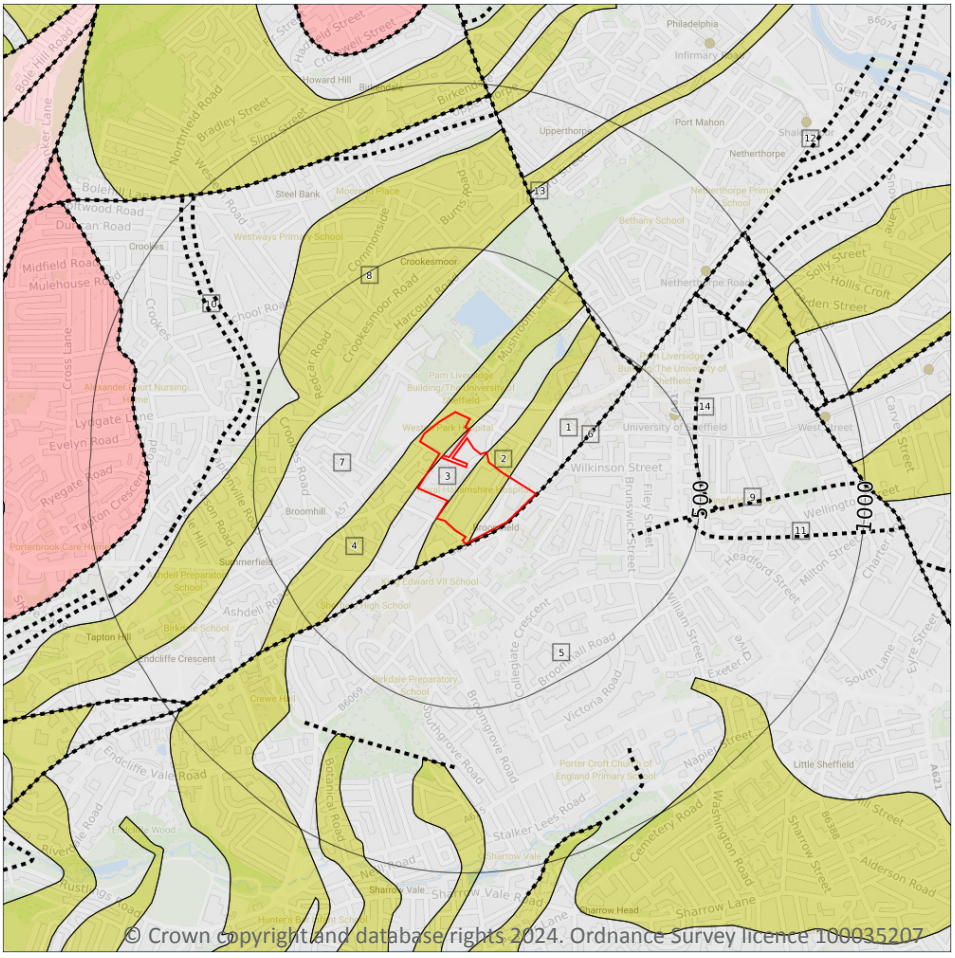
15.7 Landslip permeability (50k)

Records within 50m	0

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

This data is sourced from the British Geological Survey.

Geology 1:50,000 scale - Bedrock



Site Outline

Search buffers in metres (m)

Bedrock faults and other linear features (50k)

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

15.8 Bedrock geology (50k)

Records within 500m **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 97 >**

ID	Location	LEX Code	Description	Rock age
1	On site	PLCM-MDSI	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE AND SILTSTONE	WESTPHALIAN
2	On site	GR-SDST	GRENOSIDE SANDSTONE - SANDSTONE	WESTPHALIAN
3	On site	PLCM-MDSI	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE AND SILTSTONE	WESTPHALIAN

ID	Location	LEX Code	Description	Rock age
4	**On site**	**GM-SDST**	**GREENMOOR ROCK - SANDSTONE**	**WESTPHALIAN**
5	3m E	PLCM-MDSI	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE AND SILTSTONE	WESTPHALIAN
7	8m NW	PLCM-MDSI	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE AND SILTSTONE	WESTPHALIAN
8	239m NW	LER-SDST	LOXLEY EDGE ROCK - SANDSTONE	WESTPHALIAN
10	391m NW	PLCM-MDSI	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE AND SILTSTONE	WESTPHALIAN
12	477m NE	PLCM-MDSI	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE AND SILTSTONE	WESTPHALIAN

This data is sourced from the British Geological Survey.

15.9 Bedrock permeability (50k)

Records within 50m	**3**

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

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

This data is sourced from the British Geological Survey.

15.10 Bedrock faults and other linear features (50k)

Records within 500m	**5**

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 97 >**

ID	Location	Category	Description
6	3m E	FAULT	Fault, inferred

ID	Location	Category	Description
9	319m E	FAULT	Fault, inferred
11	467m E	ROCK	Coal seam, inferred
13	477m NE	FAULT	Fault, inferred
14	495m 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 **17**

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.

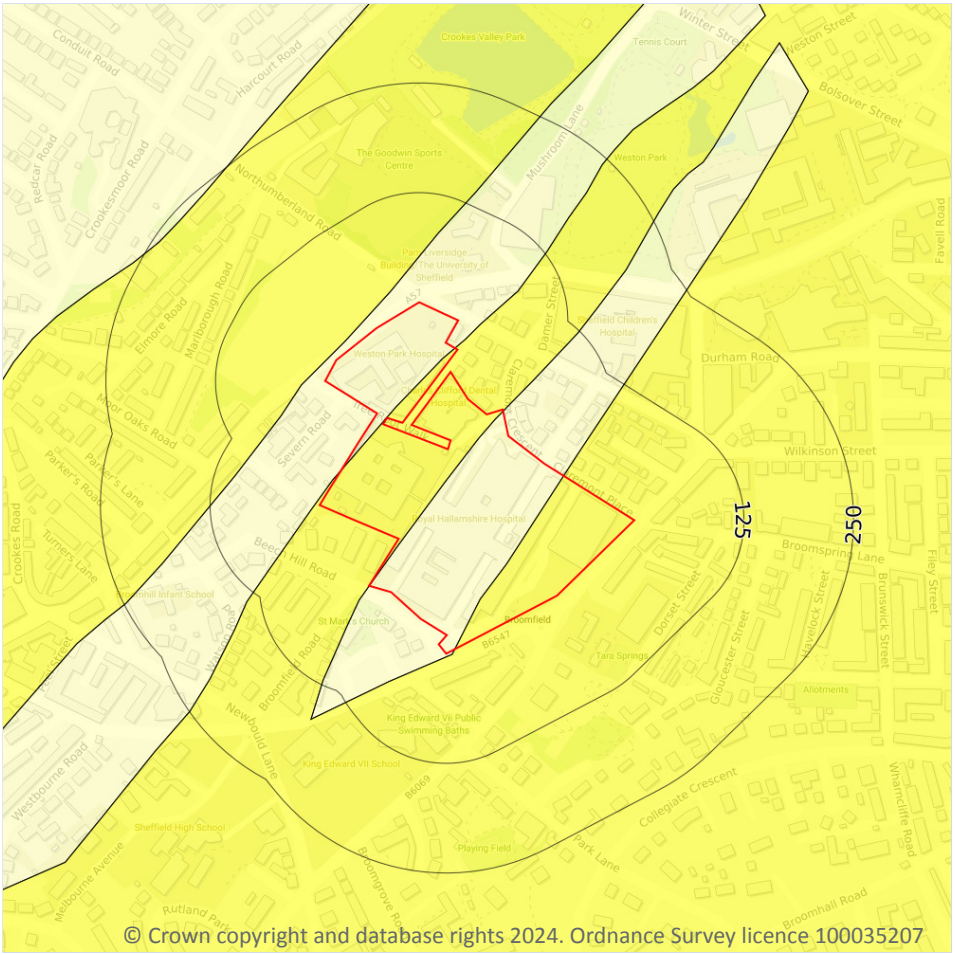
Features are displayed on the Boreholes map on **page 100 >**

ID	Location	Grid reference	Name	Length	Confidential	Web link
1	138m SW	433668 386745	KING EDWARD VII SCHOOL, SHEFFIELD BSF PHASE 2 TP7	-	Y	N/A
2	162m SW	433645 386735	KING EDWARD VII SCHOOL, SHEFFIELD WS3	-	Y	N/A

ID	Location	Grid reference	Name	Length	Confidential	Web link
A	194m SW	433610 386728	KING EDWARD VII SCHOOL, SHEFFIELD WS4	-	Y	N/A
A	195m SW	433618 386717	KING EDWARD VII SCHOOL, SHEFFIELD BSF PHASE 2 BH5	-	Y	N/A
B	207m SW	433648 386667	KING EDWARD VII SCHOOL, SHEFFIELD BSF PHASE 2 TP8	-	Y	N/A
A	208m SW	433617 386697	KING EDWARD VII SCHOOL, SHEFFIELD BSF PHASE 2 TP5	-	Y	N/A
B	213m S	433653 386655	KING EDWARD VII SCHOOL, SHEFFIELD BSF PHASE 2 TP9	-	Y	N/A
B	216m S	433653 386651	KING EDWARD VII SCHOOL, SHEFFIELD BSF PHASE 2 TP11	-	Y	N/A
A	217m SW	433604 386698	KING EDWARD VII SCHOOL, SHEFFIELD WS2	-	Y	N/A
B	217m SW	433642 386658	KING EDWARD VII SCHOOL, SHEFFIELD BSF PHASE 2 TP3	-	Y	N/A
B	218m S	433657 386646	KING EDWARD VII SCHOOL, SHEFFIELD BSF PHASE 2 TP10	-	Y	N/A
A	220m SW	433601 386698	KING EDWARD VII SCHOOL, SHEFFIELD BSF PHASE 2 BH3	-	Y	N/A
B	222m S	433665 386636	KING EDWARD VII SCHOOL, SHEFFIELD BSF PHASE 2 TP4	-	Y	N/A
A	223m SW	433588 386706	KING EDWARD VII SCHOOL, SHEFFIELD WS1	-	Y	N/A
B	227m S	433649 386641	KING EDWARD VII SCHOOL, SHEFFIELD BSF PHASE 2 BH4	-	Y	N/A
B	235m SW	433633 386643	KING EDWARD VII SCHOOL, SHEFFIELD BSF PHASE 2 TP1	-	Y	N/A
B	244m S	433649 386620	KING EDWARD VII SCHOOL, SHEFFIELD BSF PHASE 2 TP2	-	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	2

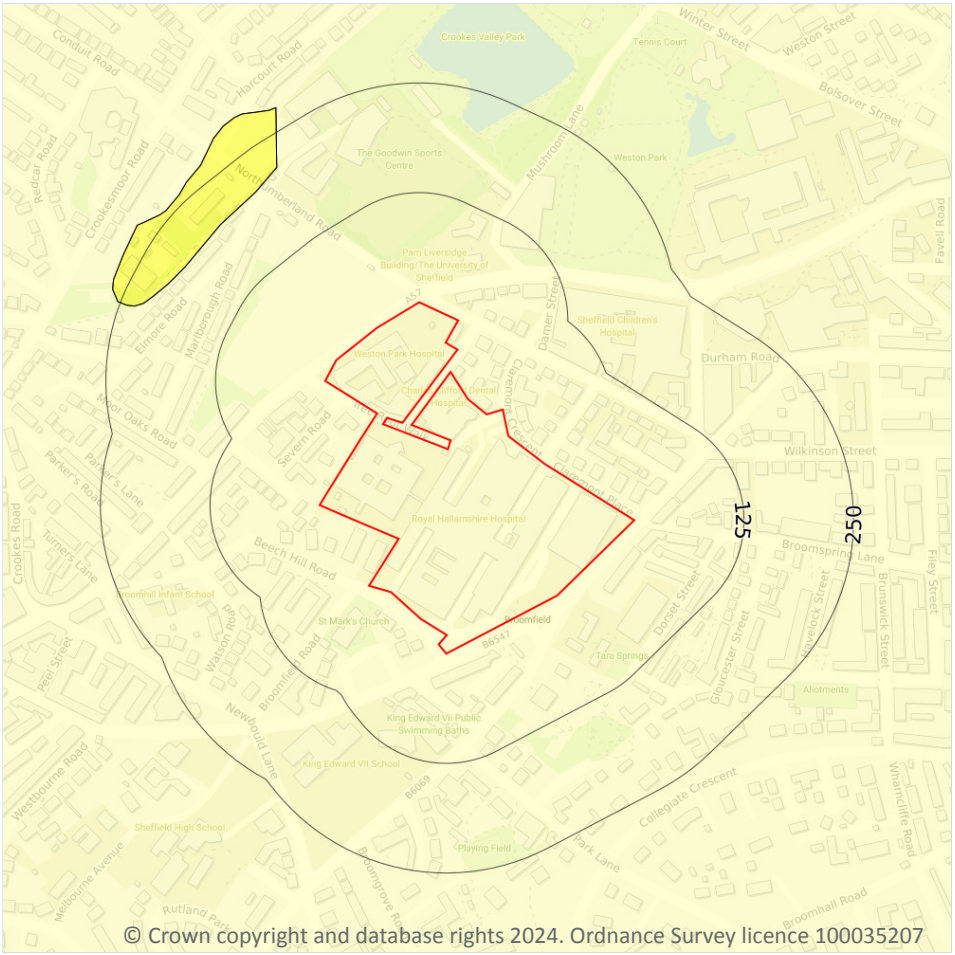
The potential hazard presented by soils that absorb water when wet (making them swell), and lose water as they dry (making them shrink). This shrink-swell behaviour is controlled by the type and amount of clay in the soil, and by seasonal changes in the soil moisture content (related to rainfall and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

Features are displayed on the Natural ground subsidence - Shrink swell clays map on **page 102 >**

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

This data is sourced from the British Geological Survey.

Natural ground subsidence - Running sands



Site Outline

Search buffers in metres (m)

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

17.2 Running sands

Records within 50m	1

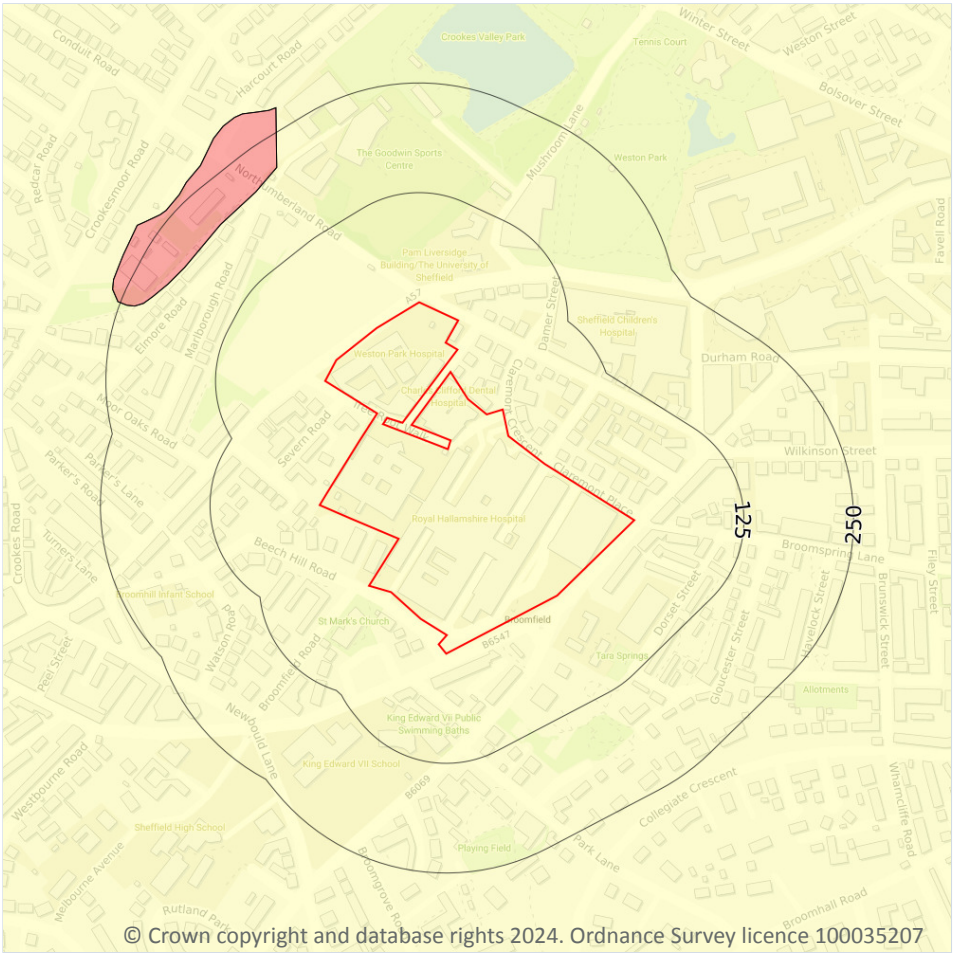
The potential hazard presented by rocks that can contain loosely-packed sandy layers that can become fluidised by water flowing through them. Such sands can 'run', removing support from overlying buildings and causing potential damage.

Features are displayed on the Natural ground subsidence - Running sands map on **page 103 >**

Location	Hazard rating	Details
On site	**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

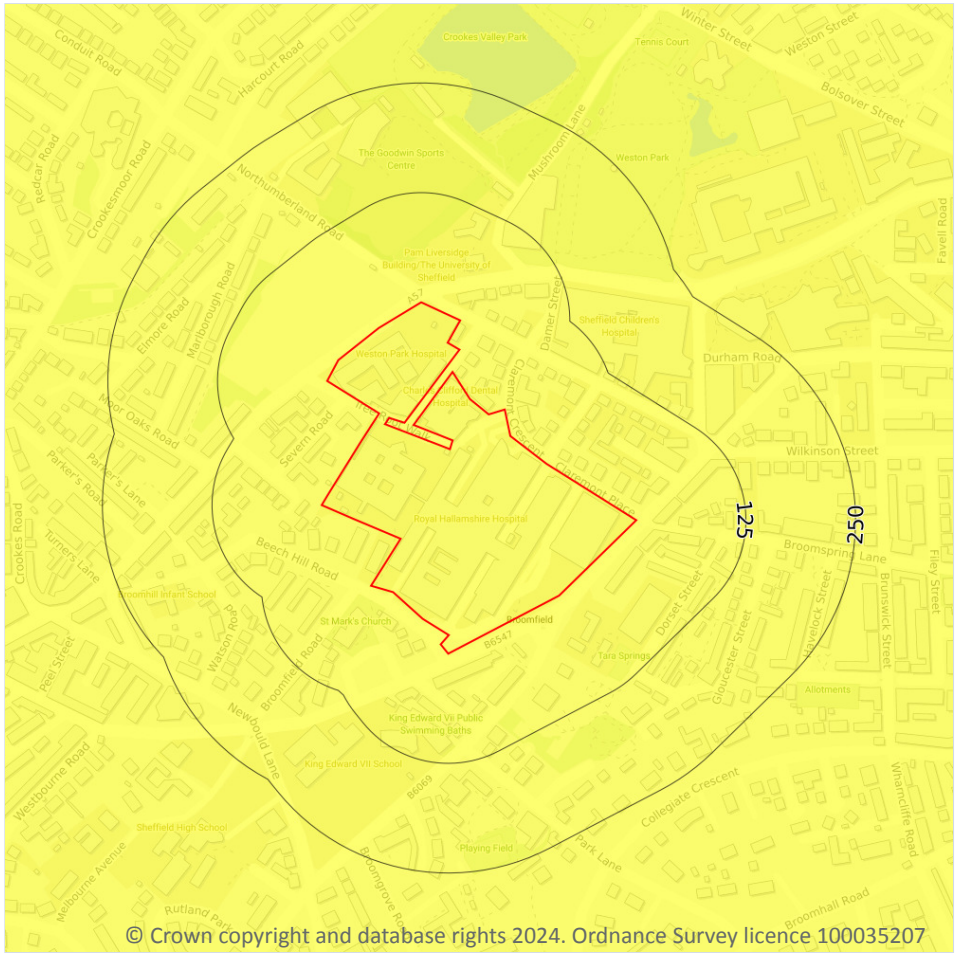
The potential hazard presented by types of ground that may contain layers of very soft materials like clay or peat and may compress if loaded by overlying structures, or if the groundwater level changes, potentially resulting in depression of the ground and disturbance of foundations.

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

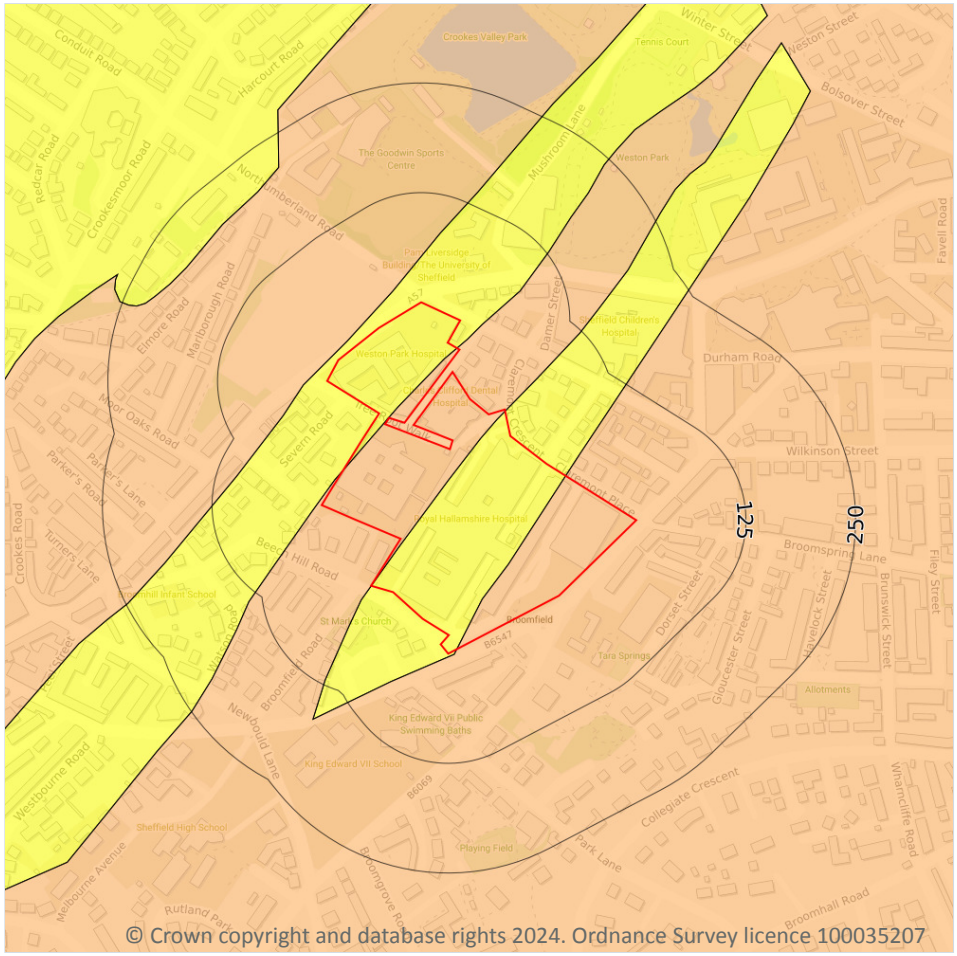
The potential hazard presented by natural deposits that could collapse when a load (such as a building) is placed on them or they become saturated with water.

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



© Crown copyright and database rights 2024. Ordnance Survey licence 100035207

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.

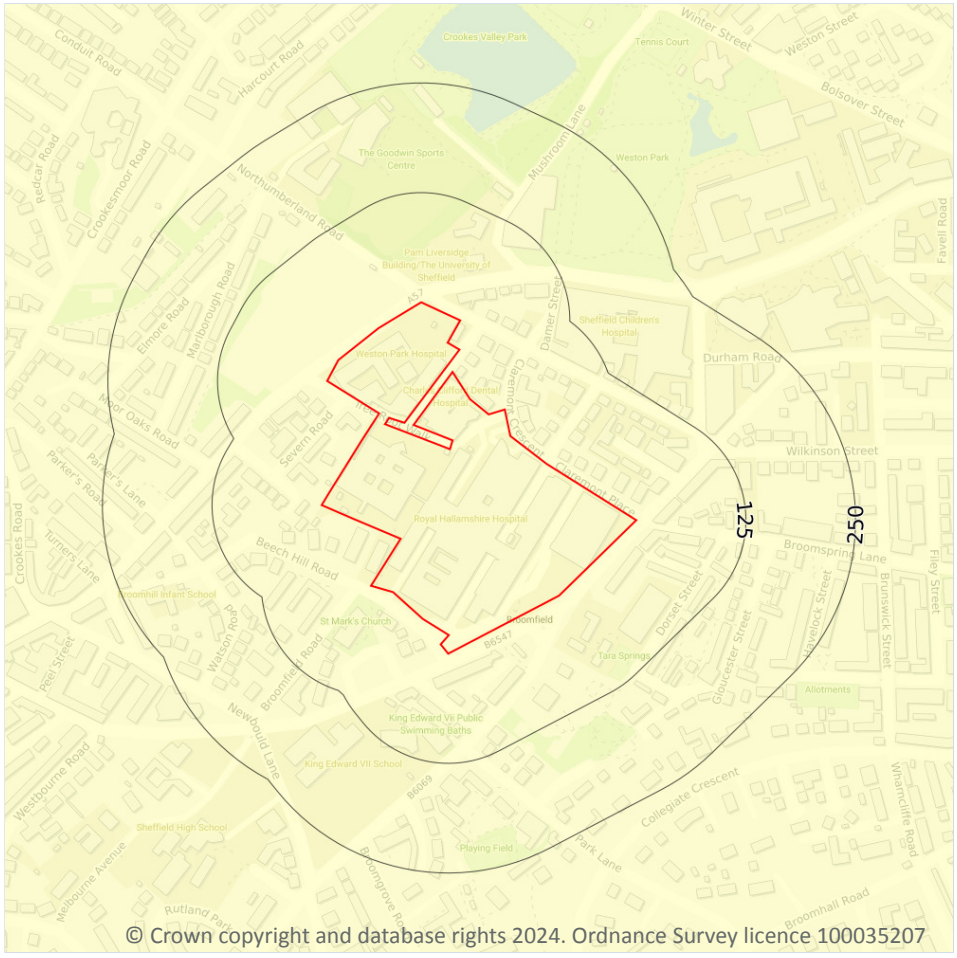
Features are displayed on the Natural ground subsidence - Landslides map on **page 106 >**

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
On site	**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



© Crown copyright and database rights 2024. Ordnance Survey licence 100035207

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

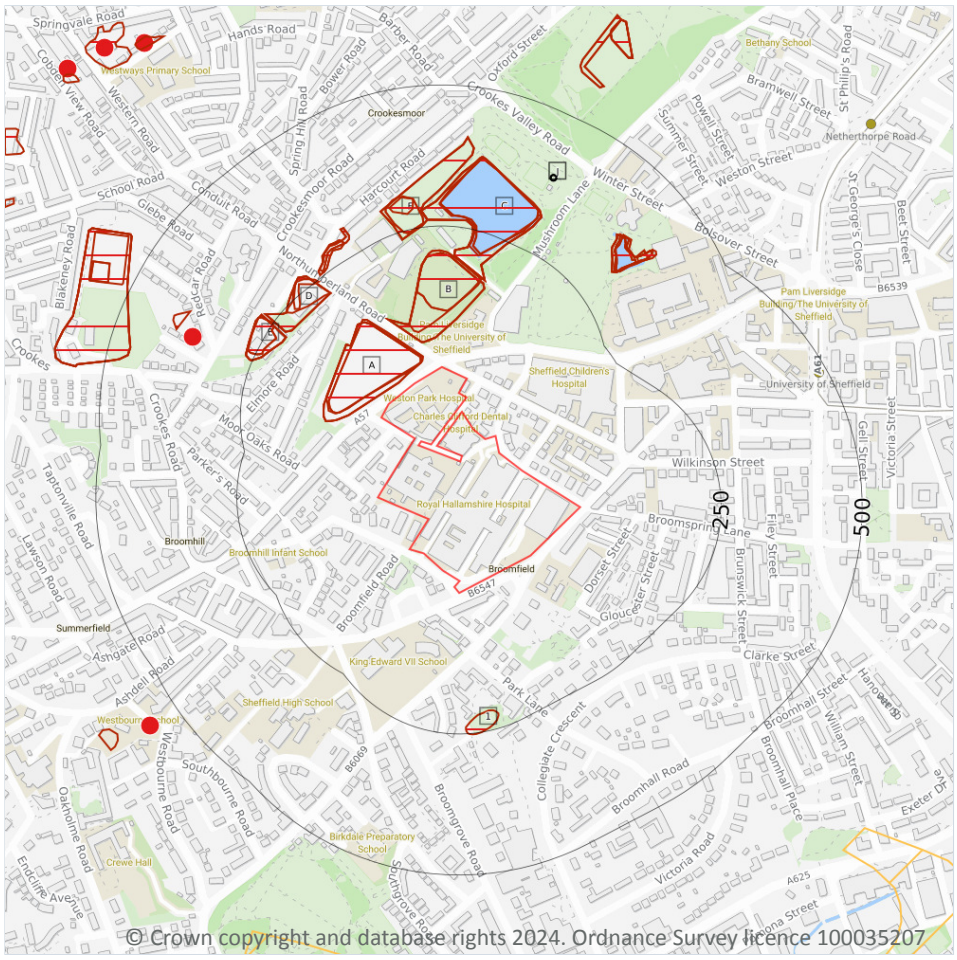
The potential hazard presented by ground dissolution, which occurs when water passing through soluble rocks produces underground cavities and cave systems. These cavities reduce support to the ground above and can cause localised collapse of the overlying rocks and deposits.

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	1

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

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

ID	Location	Details	Description
I	363m NW	Name: Hadfield Address: Crookes, SHEFFIELD, South Yorkshire Commodity: Sandstone 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	**36**

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	19m NW	Water Body	1948	1:10560
A	19m NW	Water Body	1938	1:10560
A	19m NW	Water Body	1924	1:10560
A	24m NW	Water Body	1967	1:10560
A	24m NW	Water Body	1951	1:10560
A	26m N	Water Body	1903	1:10560
B	53m N	Water Body	1948	1:10560
B	53m N	Water Body	1938	1:10560
B	53m N	Water Body	1924	1:10560
B	74m N	Water Body	1903	1:10560
B	100m N	Water Body	1967	1:10560
B	100m N	Water Body	1951	1:10560
C	172m N	Water Body	1948	1:10560
C	172m N	Water Body	1938	1:10560
C	172m N	Water Body	1903	1:10560
C	172m N	Water Body	1924	1:10560

ID	Location	Land Use	Year of mapping	Mapping scale
C	208m N	Boating Lake	1951	1:10560
C	212m N	Pond	1982	1:10000
C	212m N	Pond	1974	1:10000
D	213m NW	Water Body	1948	1:10560
D	213m NW	Water Body	1938	1:10560
D	213m NW	Water Body	1924	1:10560
1	215m S	Pond	1903	1:10560
E	217m NW	Water Body	1948	1:10560
E	217m NW	Water Body	1938	1:10560
E	217m NW	Water Body	1903	1:10560
E	217m NW	Water Body	1924	1:10560
D	218m NW	Water Body	1903	1:10560
E	231m NW	Pond	1967	1:10560
E	231m NW	Pond	1951	1:10560
D	231m NW	Refuse Heap	1951	1:10560
F	237m N	Unspecified Ground Workings	1948	1:10560
F	237m N	Unspecified Ground Workings	1938	1:10560
F	237m N	Unspecified Ground Workings	1924	1:10560
F	244m N	Unspecified Pit	1967	1:10560
F	244m N	Unspecified Pit	1951	1:10560

This is data is sourced from Ordnance Survey/Groundsure.

18.3 Underground workings

Records within 1000m	2

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
J	383m N	Unspecified Disused Shaft	1982	1:10000
J	383m N	Unspecified Disused Shaft	1974	1:10000

This is data is sourced from Ordnance Survey/Groundsure.

18.4 Underground mining extents

Records within 500m	**0**

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

This data is sourced from Groundsure.

18.5 Historical Mineral Planning Areas

Records within 500m	**0**

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

This data is sourced from the British Geological Survey.

18.6 Non-coal mining

Records within 1000m	**2**

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

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

ID	Location	Name	Commodity	Class	Likelihood
4	675m S	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.

ID	Location	Name	Commodity	Class	Likelihood
-	825m W	Not available	Vein Mineral	A	Underground mine workings are uncommon, although the geology is similar to that worked elsewhere. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.

This data is sourced from the British Geological Survey.

18.7 JPB mining areas

Records on site	0

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

This data is sourced from Johnson Poole and Bloomer.

18.8 The Coal Authority non-coal mining

Records within 500m	0

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

This data is sourced from The Coal Authority.

18.9 Researched mining

Records within 500m	0

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

This data is sourced from Groundsure.

18.10 Mining record office plans

Records within 500m	0

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

This data is sourced from Groundsure.

18.11 BGS mine plans

Records within 500m	0

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

This data is sourced from Groundsure.

18.12 Coal mining

Records on site	1

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

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

This data is sourced from the Coal Authority.

18.13 Brine areas

Records on site	0

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

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

18.14 Gypsum areas

Records on site	0

Generalised areas that may be affected by gypsum extraction.

This data is sourced from British Gypsum.

18.15 Tin mining

Records on site	0

Generalised areas that may be affected by historical tin mining.

This data is sourced from Groundsure.

18.16 Clay mining

Records on site	0

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

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

19 Ground cavities and sinkholes

19.1 Natural cavities

Records within 500m	0

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

This data is sourced from Stantec UK Ltd.

19.2 Mining cavities

Records within 1000m	0

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

This data is sourced from Stantec UK Ltd.

19.3 Reported recent incidents

Records within 500m	0

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

This data is sourced from Groundsure.

19.4 Historical incidents

Records within 500m	0

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

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

This data is sourced from Groundsure.

19.5 National karst database

Records within 500m	0

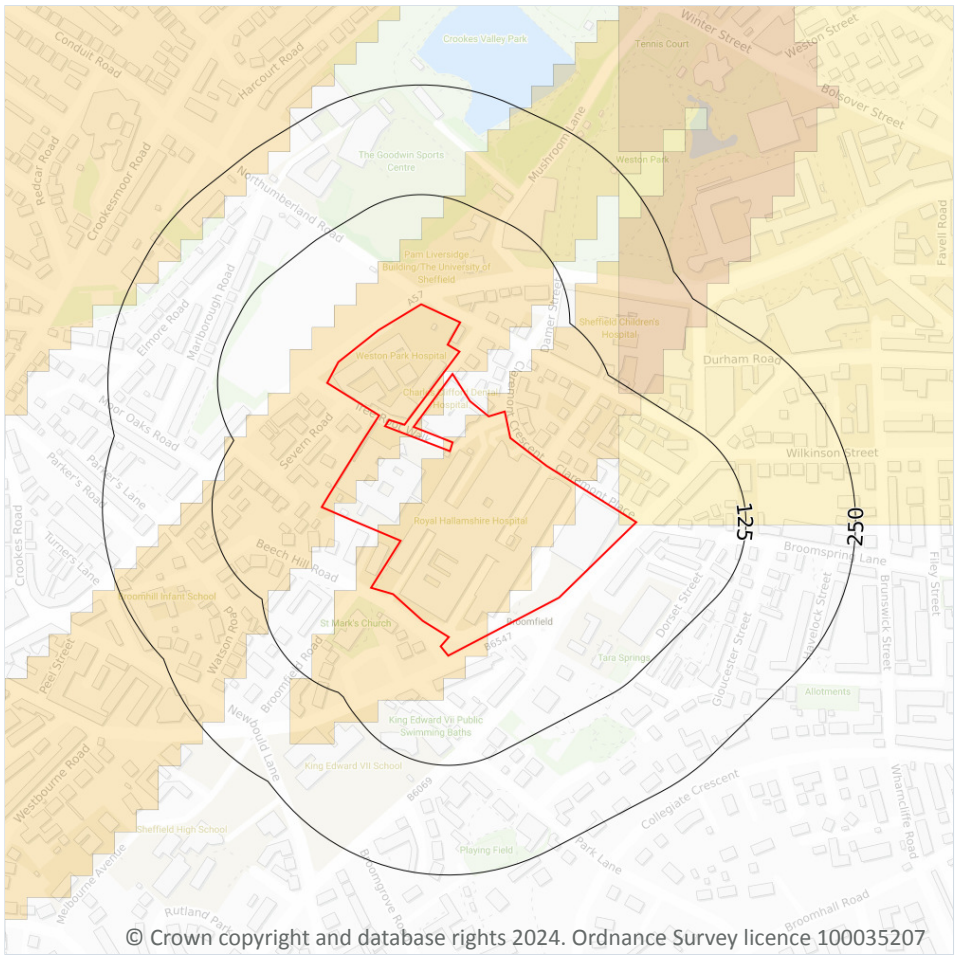
This is a comprehensive database of national karst information gathered from a wide range of sources. BGS have collected data on five main types of karst feature: Sinkholes, stream links, caves, springs, and incidences of associated damage to buildings, roads, bridges and other engineered works.

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



Site Outline

Search buffers in metres (m)

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

20.1 Radon

Records on site	3

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 119 >**

Location	Estimated properties affected	Radon Protection Measures required
On site	**Between 1% and 3%**	**None**

Location	Estimated properties affected	Radon Protection Measures required
On site	**Between 3% and 5%**	**Basic**
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	14

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

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	**15 - 25 mg/kg**	**No data**	**100 - 200 mg/kg**	**60 - 120 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 - 200 mg/kg**	**60 - 120 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**30 - 45 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 - 200 mg/kg**	**60 - 120 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 - 200 mg/kg**	**60 - 120 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 - 200 mg/kg**	**60 - 120 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**30 - 45 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 - 200 mg/kg**	**60 - 120 mg/kg**	**1.8 mg/kg**	**120 - 180 mg/kg**	**30 - 45 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 - 200 mg/kg**	**60 - 120 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**30 - 45 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 - 200 mg/kg**	**60 - 120 mg/kg**	**1.8 mg/kg**	**120 - 180 mg/kg**	**30 - 45 mg/kg**
5m E	15 - 25 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
18m E	15 - 25 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	90 - 120 mg/kg	30 - 45 mg/kg
22m E	15 - 25 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	90 - 120 mg/kg	30 - 45 mg/kg
24m W	15 - 25 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	90 - 120 mg/kg	30 - 45 mg/kg

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
26m NW	15 - 25 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	90 - 120 mg/kg	30 - 45 mg/kg
27m E	15 - 25 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	90 - 120 mg/kg	30 - 45 mg/kg

This data is sourced from the British Geological Survey.

21.2 BGS Estimated Urban Soil Chemistry

Records within 50m **25**

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

Location	Arsenic (mg/kg)	Bioaccessible Arsenic (mg/kg)	Lead (mg/kg)	Bioaccessible Lead (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Copper (mg/kg)	Nickel (mg/kg)	Tin (mg/kg)
On site	**26**	**4.6**	**355**	**244**	**0.3**	**87**	**80**	**34**	**21**
On site	**27**	**4.7**	**382**	**262**	**0.7**	**98**	**85**	**46**	**31**
On site	**27**	**4.7**	**361**	**248**	**0.5**	**92**	**82**	**39**	**25**
On site	**27**	**4.7**	**340**	**234**	**0.2**	**81**	**77**	**30**	**20**
On site	**28**	**4.9**	**356**	**245**	**0.4**	**89**	**85**	**37**	**26**
On site	**28**	**4.9**	**347**	**238**	**0.2**	**85**	**79**	**32**	**22**
On site	**29**	**5.1**	**402**	**276**	**0.9**	**102**	**91**	**53**	**44**
On site	**29**	**5.1**	**395**	**271**	**0.7**	**95**	**91**	**46**	**36**
On site	**29**	**5.1**	**377**	**259**	**0.3**	**90**	**83**	**34**	**24**
On site	**30**	**5.3**	**394**	**271**	**0.8**	**99**	**97**	**50**	**46**
On site	**31**	**5.4**	**388**	**267**	**0.4**	**95**	**93**	**39**	**32**
On site	**32**	**5.6**	**403**	**277**	**0.6**	**100**	**98**	**46**	**40**
On site	**34**	**5.9**	**420**	**289**	**0.8**	**100**	**109**	**49**	**46**
On site	**34**	**5.9**	**418**	**287**	**0.7**	**101**	**107**	**46**	**43**
On site	**34**	**5.9**	**411**	**282**	**0.5**	**101**	**102**	**42**	**38**

Location	Arsenic (mg/kg)	Bioaccessible Arsenic (mg/kg)	Lead (mg/kg)	Bioaccessible Lead (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Copper (mg/kg)	Nickel (mg/kg)	Tin (mg/kg)
1m SW	28	4.9	396	272	0.9	102	88	52	40
3m NW	27	4.7	352	242	0.2	84	79	32	20
5m E	38	6.7	438	301	0.8	102	121	46	47
6m N	28	4.9	365	251	0.2	86	81	32	22
22m E	38	6.7	442	304	0.6	109	115	45	46
26m S	28	4.9	399	274	0.9	105	89	56	48
32m S	29	5.1	397	273	0.9	102	95	53	49
36m W	27	4.7	385	264	0.8	100	85	46	28
36m W	26	4.6	362	249	0.6	97	82	42	24
42m NW	25	4.4	346	238	0.5	94	81	38	22

This data is sourced from the British Geological Survey.

21.3 BGS Measured Urban Soil Chemistry

Records within 50m	**1**

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

Location	Arsenic (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Copper (mg/kg)	Nickel (mg/kg)	Lead (mg/kg)	Tin (mg/kg)	Sample Type
24m N	27.3	0.2	81.1	77.3	30.4	340.1	19.9	Topsoil

This data is sourced from the British Geological Survey.

22 Railway infrastructure and projects

22.1 Underground railways (London)

Records within 250m	0

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

This data is sourced from publicly available information by Groundsure.

22.2 Underground railways (Non-London)

Records within 250m	0

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

This data is sourced from publicly available information by Groundsure.

22.3 Railway tunnels

Records within 250m	0

Railway tunnels taken from contemporary Ordnance Survey mapping.

This data is sourced from the Ordnance Survey.

22.4 Historical railway and tunnel features

Records within 250m	0

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.

This data is sourced from Ordnance Survey/Groundsure.

22.5 Royal Mail tunnels

Records within 250m	0

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

This data is sourced from Groundsure/the Postal Museum.

22.6 Historical railways

Records within 250m	0

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

This data is sourced from OpenStreetMap.

22.7 Railways

Records within 250m	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/ ↗.