
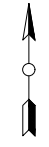
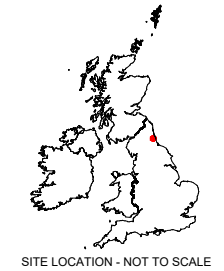
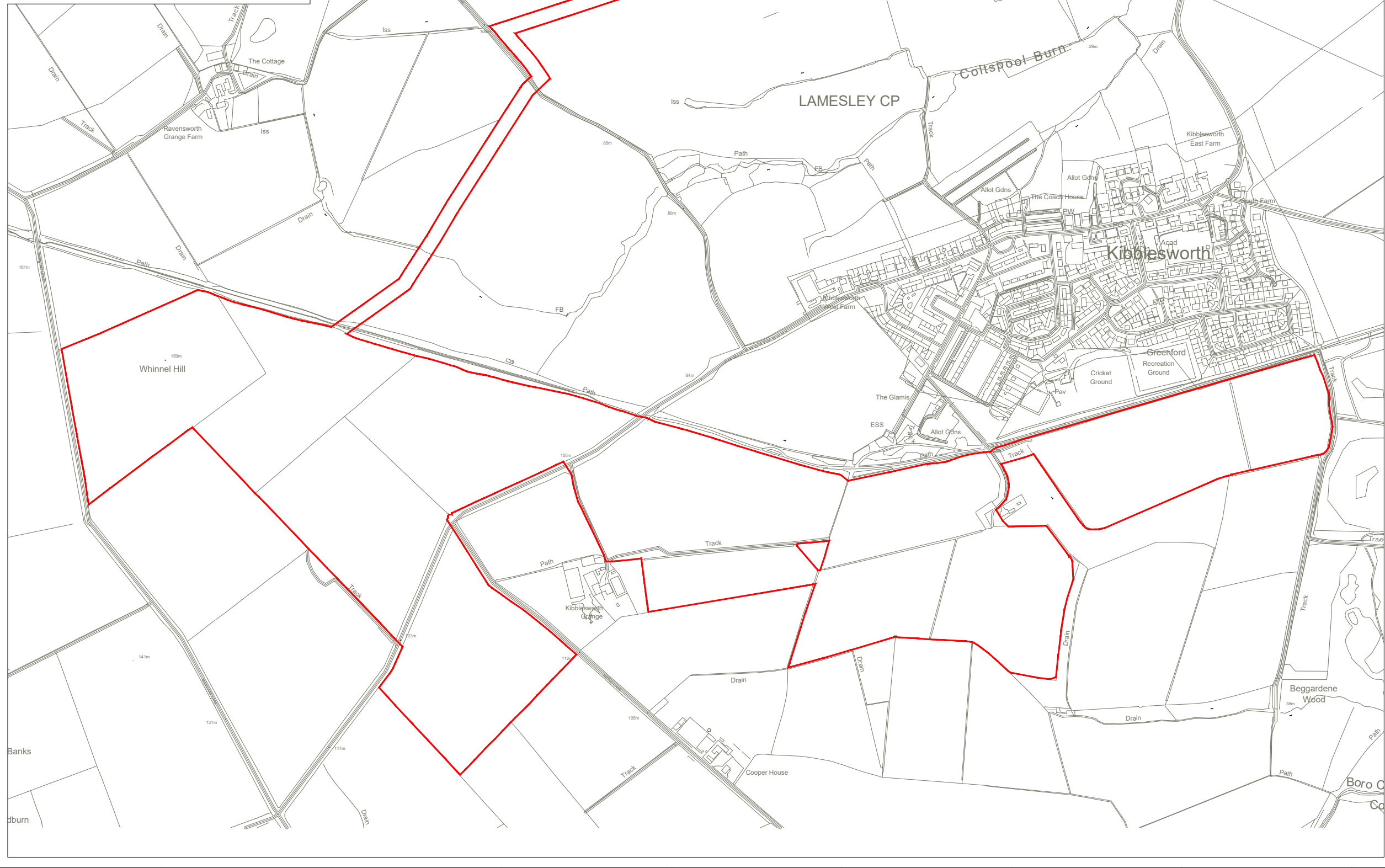
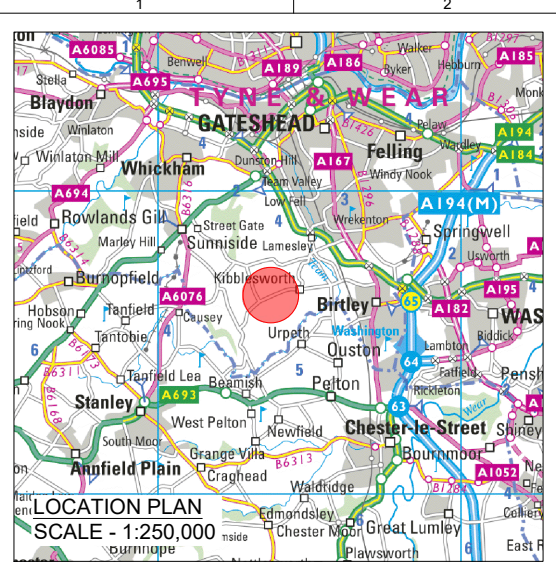


APPENDICES

Appendix 1: Site Location

KEY:
 SITE BOUNDARY
 (OUTSIDE OF LINE DENOTES BOUNDARY)



2	FG	NS	JW	2025-01-23	Site boundary update (cable corridor, NE field)
1	FG	JW	NS	2024-11-22	First Issue

ISSUE DRAWN				CHKD	APPD	DATE	REVISION NOTES
PURPOSE				COORDINATES			
PERMITTING				OSGB 1936			
SCALE				DATUM			
1:8,000				@A3			
LAYOUT DRAWING				T-LAYOUT NO			
N/A				N/A			

PROJECT TITLE
COLTSDENE

DRAWING TITLE
**FIGURE 2
SITE LOCATION MAP**

RES DRAWING NUMBER	REV
05334-RES-LAY-DR-PT-002	2

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EGG FARM LANE,
KINGS LANGLEY,
HERTS WD4 8LR, UK
TEL +44 (0) 1923 299200
WWW.RES-GROUP.COM

Appendix 2: Site Photographs



Photo 1— Coltspool Burn in NE field.



Photo 2— General site view across NE field.



Photo 3— Pylon in NE field.



Photo 4— General view across northern fields.



Photo 5— General view across western area.



Photo 6— Former railway embankment at northern border of western area.



Photo 7— View of western area from embanked footpath/track.



Photo 8— General site view across central area.



Photo 9— Mine Water Treatment Plant adjacent to site boundary in east of site.



Photo 10— General view across eastern fields.



Photo 11— Telecoms adjacent to western area of site.

Appendix 3: Groundsure Report

Coltsdene, Kibblesworth, Gateshead

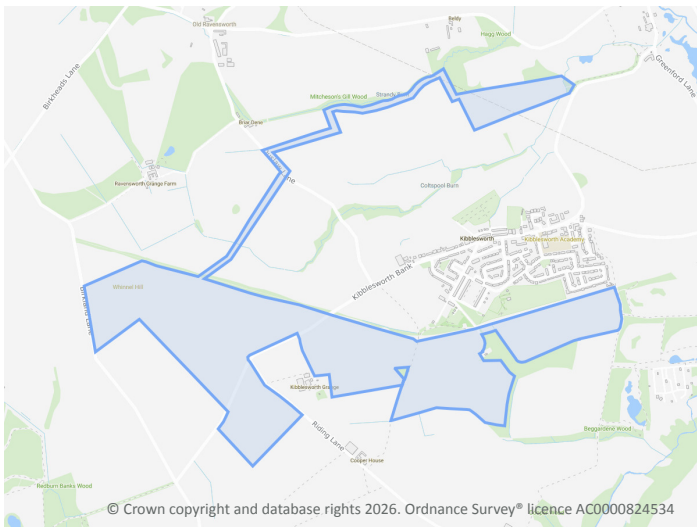
Order Details

Date: 18/03/2026
Your ref: PO14046 : Groundsure Report 244990
Our Ref: GS-JJH-3GC-4X7-MLR

Site Details

Location: 423687 556385
Area: 93.0 ha
Authority: [Gateshead Metropolitan Borough Council](#) ↗

Site plan



Quick Links

Summary of findings [p. 2 >](#)
OS MasterMap site plan N/A: >10ha
Aerial image [p. 9 >](#)

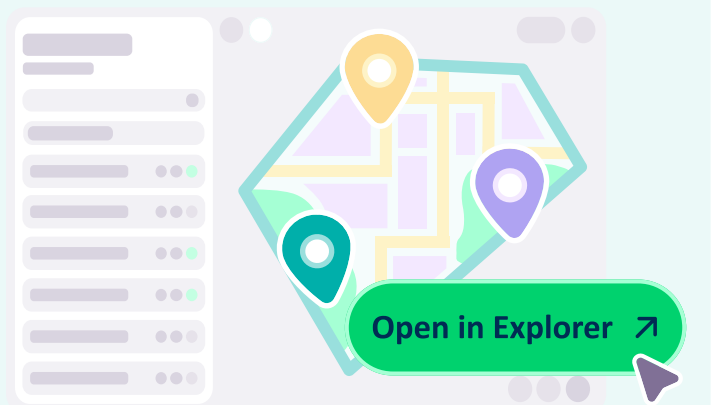
[Insight User Guide](#) ↗

Open this site in Explorer!

Access the data now in our interactive workspace.

- Map and interpret 130+ datasets across 170 years
- Generate insights and visuals quickly
- Revisit and collaborate with your team

Access to Groundsure Explorer requires an Insights account.
12 months access begins at purchase.



Summary of findings

Page	Section	Past land use >	On site	0-50m	50-250m	250-500m	500-2000m
14 >	1.1 >	Historical industrial land uses >	36	10	17	44	-
18 >	1.2 >	Historical tanks >	2	3	2	3	-
19 >	1.3 >	Historical energy features >	1	0	8	3	-
20	1.4	Historical petrol stations	0	0	0	0	-
20	1.5	Historical garages	0	0	0	0	-
20	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
21 >	2.1 >	Historical industrial land uses >	45	12	20	58	-
26 >	2.2 >	Historical tanks >	2	4	2	4	-
27 >	2.3 >	Historical energy features >	1	0	13	6	-
28	2.4	Historical petrol stations	0	0	0	0	-
28	2.5	Historical garages	0	0	0	0	-
Page	Section	Waste and landfill >	On site	0-50m	50-250m	250-500m	500-2000m
29 >	3.1 >	Active or recent landfill >	0	1	0	0	-
30	3.2	Historical landfill (BGS records)	0	0	0	0	-
30	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
30 >	3.4 >	Historical landfill (EA/NRW records) >	0	2	0	1	-
31	3.5	Historical waste sites	0	0	0	0	-
31 >	3.6 >	Licensed waste sites >	0	0	0	4	-
32 >	3.7 >	Waste exemptions >	0	68	50	10	-
Page	Section	Current industrial land use >	On site	0-50m	50-250m	250-500m	500-2000m
44 >	4.1 >	Recent industrial land uses >	1	3	3	-	-
45 >	4.2 >	National Geographic Database (NGD) - Current or recent tanks >	0	1	4	-	-
45	4.3	Current or recent petrol stations	0	0	0	0	-
46	4.4	Electricity cables	0	0	0	0	-
46	4.5	Gas pipelines	0	0	0	0	-



46	4.6	Sites determined as Contaminated Land	0	0	0	0	-
46	4.7	Control of Major Accident Hazards (COMAH)	0	0	0	0	-
46	4.8	Regulated explosive sites	0	0	0	0	-
47	4.9	Hazardous substance storage/usage	0	0	0	0	-
47	4.10	Historical licensed industrial activities (IPC)	0	0	0	0	-
47 >	4.11 >	<u>Licensed industrial activities (Part A(1)) ></u>	0	0	9	0	-
48	4.12	Licensed pollutant release (Part A(2)/B)	0	0	0	0	-
49	4.13	Radioactive Substance Authorisations	0	0	0	0	-
49 >	4.14 >	<u>Licensed Discharges to controlled waters ></u>	0	0	2	3	-
50	4.15	Pollutant release to surface waters (Red List)	0	0	0	0	-
50	4.16	Pollutant release to public sewer	0	0	0	0	-
50	4.17	List 1 Dangerous Substances	0	0	0	0	-
50 >	4.18 >	<u>List 2 Dangerous Substances ></u>	0	0	1	0	-
50 >	4.19 >	<u>Pollution Incidents (EA/NRW) ></u>	0	3	7	2	-
52	4.20	Pollution inventory substances	0	0	0	0	-
52	4.21	Pollution inventory waste transfers	0	0	0	0	-
52	4.22	Pollution inventory radioactive waste	0	0	0	0	-
Page	Section	<u>Hydrogeology ></u>	On site	0-50m	50-250m	250-500m	500-2000m
53 >	5.1 >	<u>Superficial aquifer ></u>	Identified (within 500m)				
55 >	5.2 >	<u>Bedrock aquifer ></u>	Identified (within 500m)				
57 >	5.3 >	<u>Groundwater vulnerability ></u>	Identified (within 50m)				
60	5.4	Groundwater vulnerability- soluble rock risk	None (within 0m)				
60	5.5	Groundwater vulnerability- local information	None (within 0m)				
61 >	5.6 >	<u>Groundwater abstractions ></u>	0	2	0	0	0
62 >	5.7 >	<u>Surface water abstractions ></u>	0	0	0	0	5
63	5.8	Potable abstractions	0	0	0	0	0
64	5.9	Source Protection Zones	0	0	0	0	-
64	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-
Page	Section	<u>Hydrology ></u>	On site	0-50m	50-250m	250-500m	500-2000m



65 >	6.1 >	Water Network (OS MasterMap) >	8	9	36	-	-
70 >	6.2 >	Surface water features >	1	7	22	-	-
70 >	6.3 >	WFD Surface water body catchments >	1	-	-	-	-
70 >	6.4 >	WFD Surface water bodies >	0	0	0	-	-
71 >	6.5 >	WFD Groundwater bodies >	1	-	-	-	-
Page	Section	River and coastal flooding	On site	0-50m	50-250m	250-500m	500-2000m
72	7.1	Risk of flooding from rivers and the sea	None (within 50m)				
72	7.2	Historical Flood Events	0	0	0	-	-
72	7.3	Flood Defences	0	0	0	-	-
73	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
73	7.5	Flood Storage Areas	0	0	0	-	-
74	7.6	Flood Zone 2	None (within 50m)				
74	7.7	Flood Zone 3	None (within 50m)				
Page	Section	Surface water flooding >					
75 >	8.1 >	Surface water flooding >	1 in 30 year, Greater than 1.0m (within 50m)				
Page	Section	Groundwater flooding >					
77 >	9.1 >	Groundwater flooding >	Moderate (within 50m)				
Page	Section	Environmental designations >	On site	0-50m	50-250m	250-500m	500-2000m
78 >	10.1 >	Sites of Special Scientific Interest (SSSI) >	0	0	0	0	3
79	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
79	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
79	10.4	Special Protection Areas (SPA)	0	0	0	0	0
79	10.5	National Nature Reserves (NNR)	0	0	0	0	0
80	10.6	Local Nature Reserves (LNR)	0	0	0	0	0
80 >	10.7 >	Designated Ancient Woodland >	0	0	0	1	21
81	10.8	Biosphere Reserves	0	0	0	0	0
81	10.9	Forest Parks	0	0	0	0	0
81	10.10	Marine Conservation Zones	0	0	0	0	0
82 >	10.11 >	Green Belt >	1	0	0	1	0



82	10.12	Proposed Ramsar sites	0	0	0	0	0
82	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
82	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
83	10.15	Nitrate Sensitive Areas	0	0	0	0	0
83 >	10.16 >	<u>Nitrate Vulnerable Zones ></u>	4	0	0	0	0
84 >	10.17 >	<u>SSSI Impact Risk Zones ></u>	7	-	-	-	-
85 >	10.18 >	<u>SSSI Units ></u>	0	0	0	0	4
Page	Section	Visual and cultural designations	On site	0-50m	50-250m	250-500m	500-2000m
87	11.1	World Heritage Sites	0	0	0	-	-
87	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
87	11.3	National Parks	0	0	0	-	-
87	11.4	Listed Buildings	0	0	0	-	-
88	11.5	Conservation Areas	0	0	0	-	-
88	11.6	Scheduled Ancient Monuments	0	0	0	-	-
88	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	<u>Agricultural designations ></u>	On site	0-50m	50-250m	250-500m	500-2000m
89 >	12.1 >	<u>Agricultural Land Classification ></u>	Grade 3a (within 250m)				
91	12.2	Open Access Land	0	0	0	-	-
91	12.3	Tree Felling Licences	0	0	0	-	-
91 >	12.4 >	<u>Environmental Stewardship Schemes ></u>	0	1	0	-	-
92 >	12.5 >	<u>Countryside Stewardship Schemes ></u>	2	3	2	-	-
Page	Section	<u>Habitat designations ></u>	On site	0-50m	50-250m	250-500m	500-2000m
93 >	13.1 >	<u>Priority Habitat Inventory ></u>	6	6	6	-	-
94	13.2	Habitat Networks	0	0	0	-	-
94 >	13.3 >	<u>Open Mosaic Habitat ></u>	0	1	0	-	-
95	13.4	Limestone Pavement Orders	0	0	0	-	-
Page	Section	<u>Geology 1:10,000 scale ></u>	On site	0-50m	50-250m	250-500m	500-2000m
96 >	14.1 >	<u>10k Availability ></u>	Identified (within 500m)				
97	14.2	Artificial and made ground (10k)	0	0	0	0	-



98	14.3	Superficial geology (10k)	0	0	0	0	-
98	14.4	Landslip (10k)	0	0	0	0	-
99	14.5	Bedrock geology (10k)	0	0	0	0	-
99	14.6	Bedrock faults and other linear features (10k)	0	0	0	0	-
Page	Section	Geology 1:50,000 scale >	On site	0-50m	50-250m	250-500m	500-2000m
100 >	15.1 >	50k Availability >	Identified (within 500m)				
101 >	15.2 >	Artificial and made ground (50k) >	3	0	4	2	-
102 >	15.3 >	Artificial ground permeability (50k) >	3	0	-	-	-
103 >	15.4 >	Superficial geology (50k) >	4	0	0	4	-
104 >	15.5 >	Superficial permeability (50k) >	Identified (within 50m)				
104	15.6	Landslip (50k)	0	0	0	0	-
105	15.7	Landslip permeability (50k)	None (within 50m)				
106 >	15.8 >	Bedrock geology (50k) >	4	0	3	8	-
107 >	15.9 >	Bedrock permeability (50k) >	Identified (within 50m)				
108 >	15.10 >	Bedrock faults and other linear features (50k) >	12	0	16	24	-
Page	Section	Boreholes >	On site	0-50m	50-250m	250-500m	500-2000m
111 >	16.1 >	BGS Boreholes >	21	11	39	-	-
Page	Section	Natural ground subsidence >					
115 >	17.1 >	Shrink swell clays >	Low (within 50m)				
117 >	17.2 >	Running sands >	Very low (within 50m)				
119 >	17.3 >	Compressible deposits >	Moderate (within 50m)				
121 >	17.4 >	Collapsible deposits >	Very low (within 50m)				
122 >	17.5 >	Landslides >	Low (within 50m)				
124 >	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
126 >	18.1 >	BritPits >	0	3	5	9	-
131 >	18.2 >	Surface ground workings >	42	7	24	-	-
134 >	18.3 >	Underground workings >	8	2	6	28	10
136	18.4	Underground mining extents	0	0	0	0	-

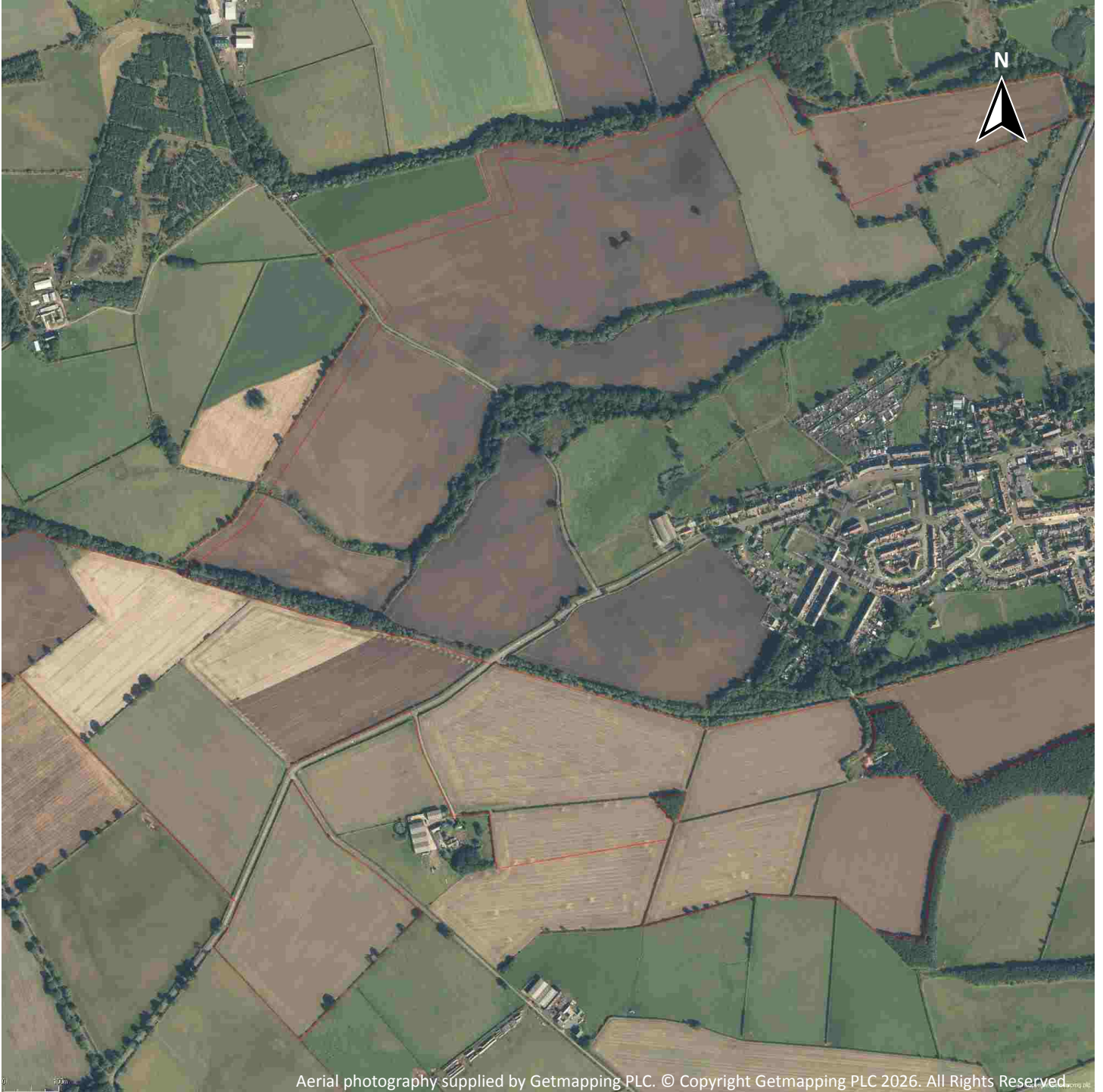


137 >	18.5 >	Historical Mineral Planning Areas >	1	0	0	0	-
137	18.6	Non-coal mining	0	0	0	0	0
137	18.7	JPB mining areas	None (within 0m)				
137	18.8	The Coal Authority non-coal mining	0	0	0	0	-
138	18.9	Researched mining	0	0	0	0	-
138	18.10	Mining record office plans	0	0	0	0	-
138	18.11	BGS mine plans	0	0	0	0	-
138 >	18.12 >	Coal mining >	Identified (within 0m)				
139	18.13	Brine areas	None (within 0m)				
139	18.14	Gypsum areas	None (within 0m)				
139	18.15	Tin mining	None (within 0m)				
139	18.16	Clay mining	None (within 0m)				
Page	Section	Ground cavities and sinkholes	On site	0-50m	50-250m	250-500m	500-2000m
140	19.1	Natural cavities	0	0	0	0	-
140	19.2	Mining cavities	0	0	0	0	0
140	19.3	Reported recent incidents	0	0	0	0	-
140	19.4	Historical incidents	0	0	0	0	-
Page	Section	Radon >					
142 >	20.1 >	Radon >	Less than 1% (within 0m)				
Page	Section	Soil chemistry >	On site	0-50m	50-250m	250-500m	500-2000m
144 >	21.1 >	BGS Estimated Background Soil Chemistry >	33	14	-	-	-
147	21.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
147	21.3	BGS Measured Urban Soil Chemistry	0	0	-	-	-
Page	Section	Railway infrastructure and projects >	On site	0-50m	50-250m	250-500m	500-2000m
148	22.1	Underground railways (London)	0	0	0	-	-
148	22.2	Underground railways (Non-London)	0	0	0	-	-
149	22.3	Railway tunnels	0	0	0	-	-
149 >	22.4 >	Historical railway and tunnel features >	16	2	0	-	-
150	22.5	Royal Mail tunnels	0	0	0	-	-



150 >	22.6 >	Historical railways >	1	1	0	-	-
150	22.7	Railways	0	0	0	-	-
151	22.8	Crossrail 2	0	0	0	0	-
151	22.9	HS2	0	0	0	0	-

Recent aerial photograph



Capture Date: 13/09/2022

Site Area: 93.0ha



Recent site history - 2020 aerial photograph



Capture Date: 25/06/2020

Site Area: 93.0ha



Recent site history - 2016 aerial photograph

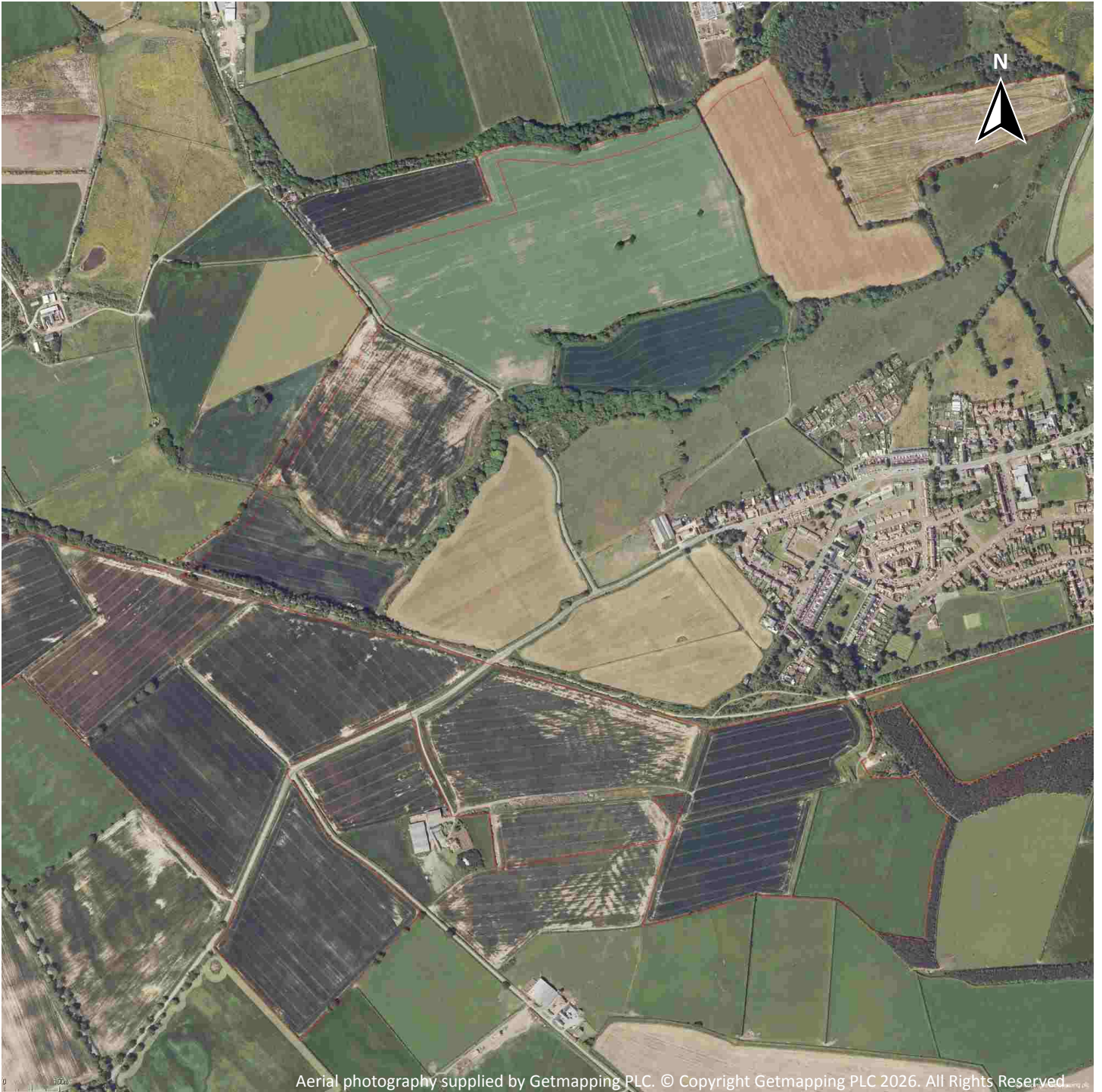


Capture Date: 06/05/2016

Site Area: 93.0ha



Recent site history - 2009 aerial photograph



Capture Date: 31/05/2009

Site Area: 93.0ha



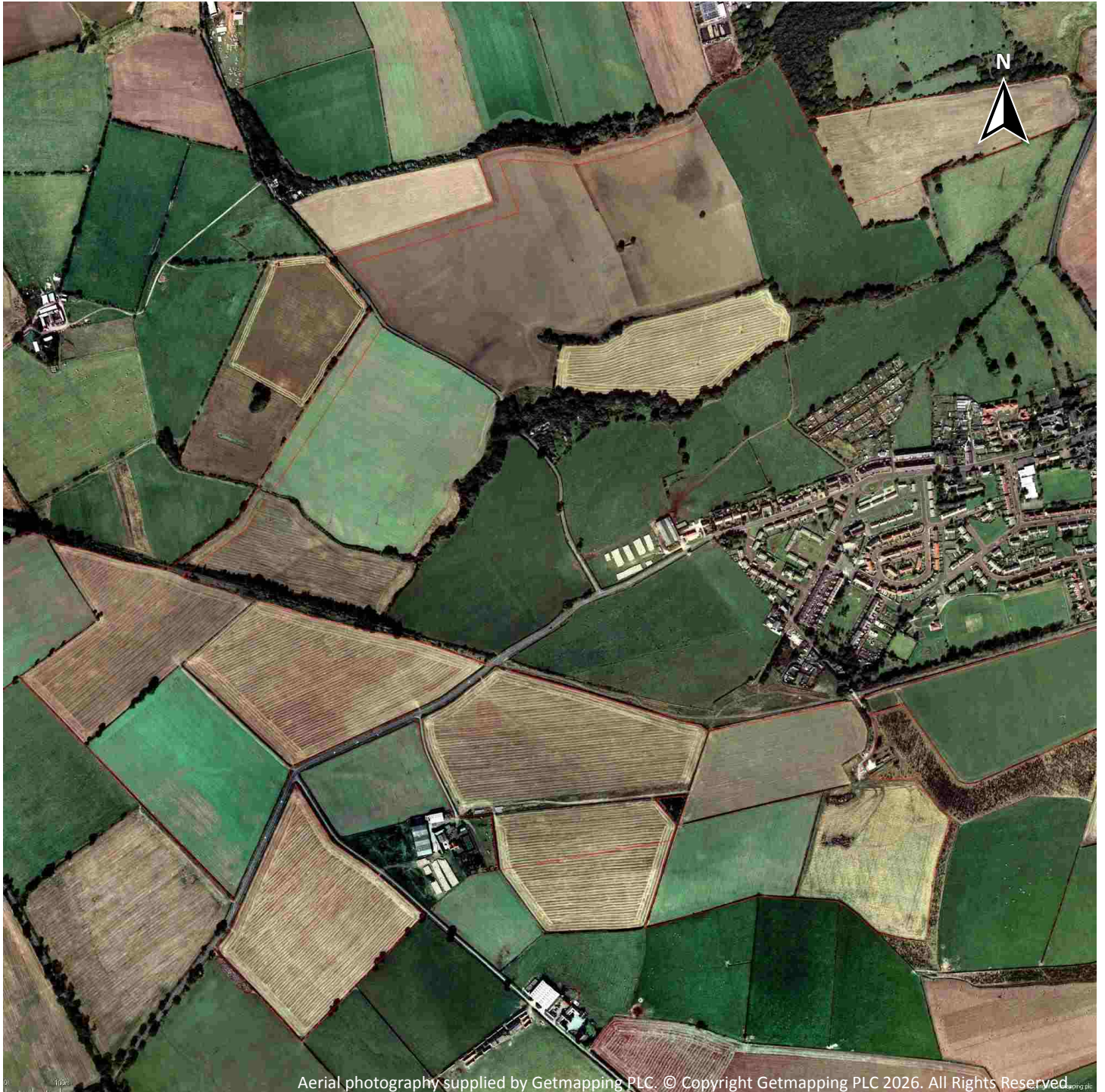
Contact us with any questions at:

info@groundsure.com

01273 257 755

Date: 18 March 2026

Recent site history - 1999 aerial photograph

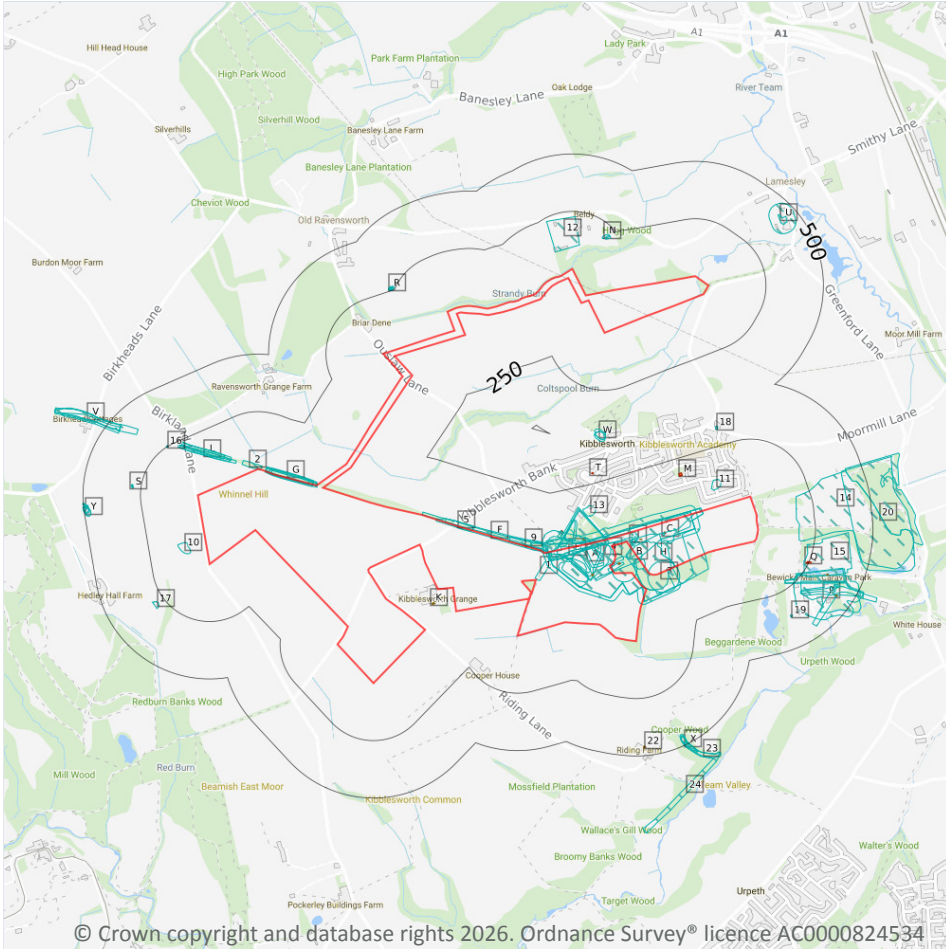


Capture Date: 10/09/1999

Site Area: 93.0ha



1 Past land use



— Site Outline

Search buffers in metres (m)

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

1.1 Historical industrial land uses

Records within 500m **107**

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

Features are displayed on the Past land use map on [page 14](#) >

ID	Location	Land use	Dates present	Group ID
1	On site	Cuttings	1967	1328052



ID	Location	Land use	Dates present	Group ID
2	On site	Cuttings	1895	1328083
3	On site	Unspecified Workings	1989	1336603
4	On site	Unspecified Heaps	1952	1346768
5	On site	Cuttings	1921 - 1938	1392774
6	On site	Refuse Heap	1952 - 1967	1402884
7	On site	Refuse Heap	1978	1408981
8	On site	Railway Sidings	1952	1431070
A	On site	Unspecified Ground Workings	1952	1333263
A	On site	Unspecified Heap	1895	1350752
A	On site	Gravel Heap	1921 - 1938	1388385
B	On site	Unspecified Mine	1967	1334662
B	On site	Unspecified Shaft	1952	1339003
B	On site	Pumping Station	1989	1360381
B	On site	Colliery	1952	1391069
C	On site	Electric Substation	1978	1335873
D	On site	Unspecified Pit	1952	1342027
D	On site	Refuse Heap	1967 - 1978	1384345
E	On site	Railway Sidings	1895	1364210
E	On site	Colliery	1895	1377292
E	On site	Railway Sidings	1857	1387568
E	On site	Colliery	1857	1395523
E	On site	Colliery	1921 - 1938	1423874
E	On site	Railway Sidings	1921 - 1938	1428988
F	On site	Cuttings	1857 - 1895	1364211
G	On site	Cuttings	1952	1370984
G	On site	Cuttings	1857	1373991
G	On site	Cuttings	1938	1390079
G	On site	Cuttings	1921	1392773



ID	Location	Land use	Dates present	Group ID
G	On site	Cuttings	1895	1411287
G	On site	Cuttings	1978 - 1989	1420046
H	On site	Colliery	1978	1377159
H	On site	Refuse Heap	1952	1429330
I	On site	Coal Drift	1921 - 1938	1387228
I	On site	Railway Sidings	1967	1419337
J	On site	Railway Sidings	1978	1400279
9	1m N	Cuttings	1938	1382032
F	2m N	Cuttings	1952	1391790
E	12m N	Unspecified Heap	1895	1409525
E	13m N	Railway Building	1967	1357480
E	16m N	Unspecified Disused Shaft	1967 - 1978	1367642
E	22m N	Unspecified Tank	1952	1354507
E	24m N	Unspecified Heap	1857	1380021
E	27m N	Unspecified Heap	1921 - 1938	1419387
E	33m N	Unspecified Heap	1895	1411290
E	49m N	Electric Substation	1978	1335872
L	62m NW	Cuttings	1857	1427339
10	72m W	Unspecified Old Quarry	1857	1331702
11	72m N	Refuse Heap	1952	1329384
L	80m NW	Cuttings	1921	1403946
L	81m NW	Cuttings	1952	1424618
12	91m N	Nursery	1989	1342576
L	101m NW	Cuttings	1895	1385068
L	101m NW	Cuttings	1938	1399589
13	114m N	Unspecified Heap	1921 - 1938	1424785
14	172m E	Clay Pit	1989	1396959
N	186m NE	Unspecified Pit	1938	1342170



ID	Location	Land use	Dates present	Group ID
N	195m NE	Unspecified Heap	1921	1349058
O	216m SE	Colliery	1938	1379817
O	218m SE	Colliery	1921	1367469
15	222m E	Brick Works	1975 - 1989	1375001
P	238m SE	Colliery	1895	1380787
16	247m NW	Unspecified Old Shaft	1857	1337614
R	251m N	Unspecified Pit	1921	1410110
R	253m N	Unspecified Pit	1938	1386564
R	253m N	Unspecified Pit	1895	1419333
R	255m N	Old Coal Shaft	1921	1330446
R	257m N	Unspecified Old Shaft	1895	1337941
R	262m N	Old Coal Shaft	1938	1330443
P	266m SE	Colliery	1921	1368244
17	280m SW	Unspecified Heap	1967 - 1989	1381002
S	282m W	Coal Shaft	1921	1335932
S	286m W	Unspecified Shaft	1952	1338834
S	287m W	Coal Shaft	1938	1335956
P	296m SE	Railway Sidings	1921	1388675
P	298m SE	Railway Sidings	1895	1385378
18	321m N	Smithy	1895	1343642
19	357m SE	Disused Air Shaft	1975 - 1989	1386402
U	375m NE	Smithy	1895	1392426
V	376m NW	Railway Sidings	1952 - 1967	1418482
P	393m SE	Unspecified Disused Shaft	1964	1422945
P	398m SE	Unspecified Disused Shaft	1975 - 1982	1400504
20	398m E	Clay Pit	1975 - 1982	1382235
W	415m N	Unspecified Heap	1921	1390022
U	416m NE	Smithy	1921 - 1938	1379576



ID	Location	Land use	Dates present	Group ID
W	420m S	Unspecified Heap	1938 - 1952	1373080
P	422m SE	Unspecified Tank	1895	1354506
W	423m N	Unspecified Heap	1895	1429642
21	429m E	Refuse Heap	1989	1329385
V	439m NW	Railway Sidings	1921	1377477
V	441m NW	Railway Sidings	1938	1383538
V	441m NW	Railway Sidings	1895	1417444
X	451m SE	Unspecified Pit	1952	1365256
X	457m SE	Unspecified Pit	1921	1374498
X	460m SE	Coal Drift	1921	1381254
X	465m SE	Unspecified Pit	1967 - 1989	1383324
Y	472m W	Unspecified Heap	1921 - 1938	1420658
Y	472m W	Unspecified Heap	1857	1424826
Y	478m W	Unspecified Pit	1895	1342115
Y	481m W	Unspecified Old Shaft	1857	1337612
Y	481m W	Unspecified Heap	1952	1419088
23	487m SE	Tramway Sidings	1921	1403641
Y	489m W	Old Coal Shaft	1921 - 1938	1372396
Y	491m W	Unspecified Old Shaft	1895	1409073
24	492m SE	Tramway Sidings	1921	1403685
X	493m SE	Coal Drift	1921	1418402
Y	495m W	Unspecified Old Shaft	1952	1425630

This data is sourced from Ordnance Survey® / Groundsure.

1.2 Historical tanks

Records within 500m

10

Tank features digitised from historical Ordnance Survey® mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or



succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on [page 14 >](#)

ID	Location	Land use	Dates present	Group ID
I	On site	Unspecified Tank	1972	212116
J	On site	Unspecified Tank	1960	212123
B	20m SE	Unspecified Tank	1989 - 1992	232464
E	21m N	Unspecified Tank	1855	212121
B	22m SE	Unspecified Tank	1994	226174
K	61m S	Unspecified Tank	1939	212193
K	62m S	Unspecified Tank	1960	212197
O	343m SE	Unspecified Tank	1972	212117
P	424m SE	Gasometer	1896	216353
22	458m S	Unspecified Tank	1989 - 1994	224230

This data is sourced from Ordnance Survey® / Groundsure.

1.3 Historical energy features

Records within 500m	12
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Energy features digitised from historical Ordnance Survey® mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on [page 14 >](#)

ID	Location	Land use	Dates present	Group ID
C	On site	Electricity Substation	1972	128064
E	64m N	Electricity Substation	1994	134880
E	66m N	Electricity Substation	1972 - 1992	134990
M	173m N	Electricity Substation	1972	140740
M	173m N	Electricity Substation	1994	138344
M	175m N	Electricity Substation	1985 - 1992	134656



ID	Location	Land use	Dates present	Group ID
Q	241m SE	Electricity Substation	1972	141110
Q	244m SE	Electricity Substation	1988	131898
Q	246m SE	Electricity Substation	1993	136571
T	291m N	Electricity Substation	1994	139296
T	292m N	Electricity Substation	1972 - 1992	140905
P	424m SE	Gasometer	1896	129187

This data is sourced from Ordnance Survey® / Groundsure.

1.4 Historical petrol stations

Records within 500m	0
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Petrol stations digitised from historical Ordnance Survey® mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

This data is sourced from Ordnance Survey® / Groundsure.

1.5 Historical garages

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

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

This data is sourced from Ordnance Survey® / Groundsure.

1.6 Historical military land

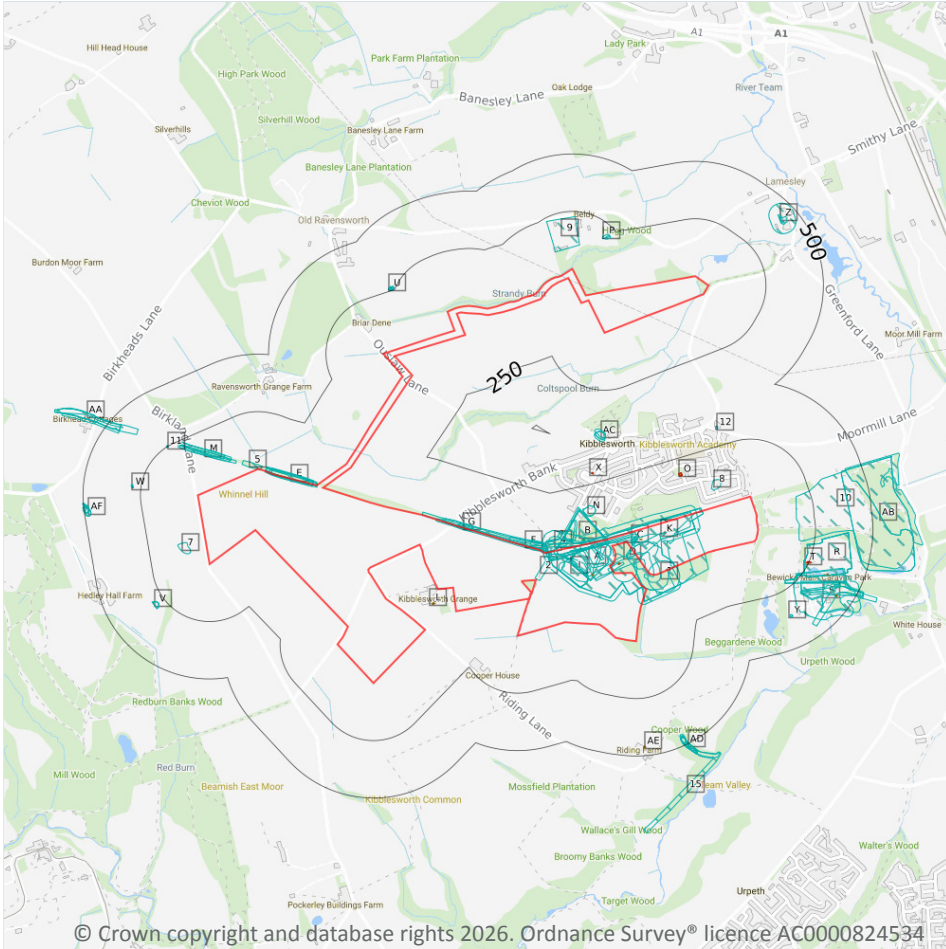
Records within 500m	0
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Areas of military land digitised from multiple sources including the National Archives, local records, MOD records and verified other sources, intelligently grouped into contiguous features.

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



2 Past land use - un-grouped



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

2.1 Historical industrial land uses

Records within 500m **135**

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 21](#) >

ID	Location	Land Use	Date	Group ID
1	On site	Unspecified Workings	1989	1336603
2	On site	Cuttings	1967	1328052
3	On site	Unspecified Heaps	1952	1346768



ID	Location	Land Use	Date	Group ID
4	On site	Railway Sidings	1952	1431070
5	On site	Cuttings	1895	1328083
A	On site	Gravel Heap	1938	1388385
A	On site	Unspecified Heap	1895	1350752
A	On site	Unspecified Ground Workings	1952	1333263
A	On site	Gravel Heap	1921	1388385
B	On site	Colliery	1938	1423874
B	On site	Colliery	1895	1377292
B	On site	Railway Sidings	1938	1428988
B	On site	Railway Sidings	1895	1364210
B	On site	Railway Sidings	1857	1387568
B	On site	Colliery	1857	1395523
B	On site	Railway Sidings	1921	1428988
B	On site	Colliery	1921	1423874
C	On site	Coal Drift	1938	1387228
C	On site	Railway Sidings	1967	1419337
C	On site	Coal Drift	1921	1387228
D	On site	Colliery	1952	1391069
D	On site	Unspecified Shaft	1952	1339003
D	On site	Unspecified Mine	1967	1334662
D	On site	Pumping Station	1989	1360381
E	On site	Cuttings	1857	1373991
E	On site	Cuttings	1952	1370984
E	On site	Cuttings	1978	1420046
E	On site	Cuttings	1989	1420046
E	On site	Cuttings	1921	1392773
E	On site	Cuttings	1938	1390079
E	On site	Cuttings	1895	1411287



ID	Location	Land Use	Date	Group ID
F	On site	Cuttings	1857	1364211
F	On site	Cuttings	1895	1364211
G	On site	Cuttings	1921	1392774
G	On site	Cuttings	1938	1392774
H	On site	Refuse Heap	1952	1429330
H	On site	Refuse Heap	1952	1402884
H	On site	Refuse Heap	1967	1402884
H	On site	Colliery	1978	1377159
H	On site	Refuse Heap	1978	1408981
I	On site	Unspecified Pit	1952	1342027
I	On site	Refuse Heap	1967	1384345
I	On site	Refuse Heap	1978	1384345
J	On site	Railway Sidings	1978	1400279
K	On site	Electric Substation	1978	1335873
6	1m N	Cuttings	1938	1382032
F	2m N	Cuttings	1952	1391790
B	12m N	Unspecified Heap	1895	1409525
B	13m N	Railway Building	1967	1357480
B	16m N	Unspecified Disused Shaft	1967	1367642
B	16m N	Unspecified Disused Shaft	1978	1367642
B	22m N	Unspecified Tank	1952	1354507
B	24m N	Unspecified Heap	1857	1380021
B	27m N	Unspecified Heap	1938	1419387
B	27m N	Unspecified Heap	1921	1419387
B	33m N	Unspecified Heap	1895	1411290
B	49m N	Electric Substation	1978	1335872
M	62m NW	Cuttings	1857	1427339
7	72m W	Unspecified Old Quarry	1857	1331702



ID	Location	Land Use	Date	Group ID
8	72m N	Refuse Heap	1952	1329384
M	80m NW	Cuttings	1921	1403946
M	81m NW	Cuttings	1952	1424618
9	91m N	Nursery	1989	1342576
M	101m NW	Cuttings	1938	1399589
M	101m NW	Cuttings	1895	1385068
N	114m N	Unspecified Heap	1938	1424785
N	114m N	Unspecified Heap	1921	1424785
10	172m E	Clay Pit	1989	1396959
P	186m NE	Unspecified Pit	1938	1342170
P	195m NE	Unspecified Heap	1921	1349058
Q	216m SE	Colliery	1938	1379817
Q	218m SE	Colliery	1921	1367469
R	222m E	Brick Works	1975	1375001
R	222m E	Brick Works	1982	1375001
R	222m E	Brick Works	1989	1375001
S	238m SE	Colliery	1895	1380787
11	247m NW	Unspecified Old Shaft	1857	1337614
U	251m N	Unspecified Pit	1921	1410110
U	253m N	Unspecified Pit	1938	1386564
U	253m N	Unspecified Pit	1895	1419333
U	255m N	Old Coal Shaft	1921	1330446
U	257m N	Unspecified Old Shaft	1895	1337941
U	262m N	Old Coal Shaft	1938	1330443
S	266m SE	Colliery	1921	1368244
S	270m SE	Colliery	1921	1368244
V	280m SW	Unspecified Heap	1967	1381002
V	280m SW	Unspecified Heap	1978	1381002



ID	Location	Land Use	Date	Group ID
V	280m SW	Unspecified Heap	1989	1381002
W	282m W	Coal Shaft	1921	1335932
W	286m W	Unspecified Shaft	1952	1338834
W	287m W	Coal Shaft	1938	1335956
S	296m SE	Railway Sidings	1921	1388675
S	298m SE	Railway Sidings	1895	1385378
S	299m SE	Railway Sidings	1921	1388675
12	321m N	Smithy	1895	1343642
Y	357m SE	Disused Air Shaft	1975	1386402
Y	357m SE	Disused Air Shaft	1982	1386402
Y	357m SE	Disused Air Shaft	1989	1386402
Z	375m NE	Smithy	1895	1392426
AA	376m NW	Railway Sidings	1952	1418482
S	393m SE	Unspecified Disused Shaft	1964	1422945
S	398m SE	Unspecified Disused Shaft	1975	1400504
S	398m SE	Unspecified Disused Shaft	1982	1400504
AB	398m E	Clay Pit	1975	1382235
AB	398m E	Clay Pit	1982	1382235
AC	415m N	Unspecified Heap	1921	1390022
Z	416m NE	Smithy	1938	1379576
Z	418m NE	Smithy	1921	1379576
AC	420m S	Unspecified Heap	1952	1373080
S	422m SE	Unspecified Tank	1895	1354506
AC	423m N	Unspecified Heap	1938	1373080
AC	423m N	Unspecified Heap	1895	1429642
13	429m E	Refuse Heap	1989	1329385
AA	439m NW	Railway Sidings	1921	1377477
AA	441m NW	Railway Sidings	1938	1383538



ID	Location	Land Use	Date	Group ID
AA	441m NW	Railway Sidings	1895	1417444
AD	451m SE	Unspecified Pit	1952	1365256
AD	457m SE	Unspecified Pit	1921	1374498
AD	460m SE	Coal Drift	1921	1381254
AD	465m SE	Unspecified Pit	1967	1383324
AD	465m SE	Unspecified Pit	1978	1383324
AD	465m SE	Unspecified Pit	1989	1383324
AF	472m W	Unspecified Heap	1938	1420658
AF	472m W	Unspecified Heap	1857	1424826
AF	472m W	Unspecified Heap	1921	1420658
AF	478m W	Unspecified Pit	1895	1342115
AF	481m W	Unspecified Old Shaft	1857	1337612
AF	481m W	Unspecified Heap	1952	1419088
14	487m SE	Tramway Sidings	1921	1403641
AF	489m W	Old Coal Shaft	1938	1372396
AF	489m W	Old Coal Shaft	1921	1372396
AF	491m W	Unspecified Old Shaft	1895	1409073
15	492m SE	Tramway Sidings	1921	1403685
AD	493m SE	Coal Drift	1921	1418402
AF	495m W	Unspecified Old Shaft	1952	1425630

This data is sourced from Ordnance Survey® / Groundsure.

2.2 Historical tanks

Records within 500m

12

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 21 >](#)



ID	Location	Land Use	Date	Group ID
C	On site	Unspecified Tank	1972	212116
J	On site	Unspecified Tank	1960	212123
D	20m SE	Unspecified Tank	1989	232464
D	20m SE	Unspecified Tank	1992	232464
B	21m N	Unspecified Tank	1855	212121
D	22m SE	Unspecified Tank	1994	226174
L	61m S	Unspecified Tank	1939	212193
L	62m S	Unspecified Tank	1960	212197
Q	343m SE	Unspecified Tank	1972	212117
S	424m SE	Gasometer	1896	216353
AE	458m S	Unspecified Tank	1994	224230
AE	462m S	Unspecified Tank	1989	224230

This data is sourced from Ordnance Survey® / Groundsure.

2.3 Historical energy features

Records within 500m

20

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 21](#) >

ID	Location	Land Use	Date	Group ID
K	On site	Electricity Substation	1972	128064
B	64m N	Electricity Substation	1994	134880
B	66m N	Electricity Substation	1972	134990
B	69m N	Electricity Substation	1985	134990
B	69m N	Electricity Substation	1989	134990
B	69m N	Electricity Substation	1992	134990
O	173m N	Electricity Substation	1972	140740
O	173m N	Electricity Substation	1994	138344



ID	Location	Land Use	Date	Group ID
O	175m N	Electricity Substation	1985	134656
O	175m N	Electricity Substation	1989	134656
O	175m N	Electricity Substation	1992	134656
T	241m SE	Electricity Substation	1972	141110
T	244m SE	Electricity Substation	1988	131898
T	246m SE	Electricity Substation	1993	136571
X	291m N	Electricity Substation	1994	139296
X	292m N	Electricity Substation	1972	140905
X	293m N	Electricity Substation	1985	140905
X	293m N	Electricity Substation	1989	140905
X	293m N	Electricity Substation	1992	140905
S	424m SE	Gasometer	1896	129187

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

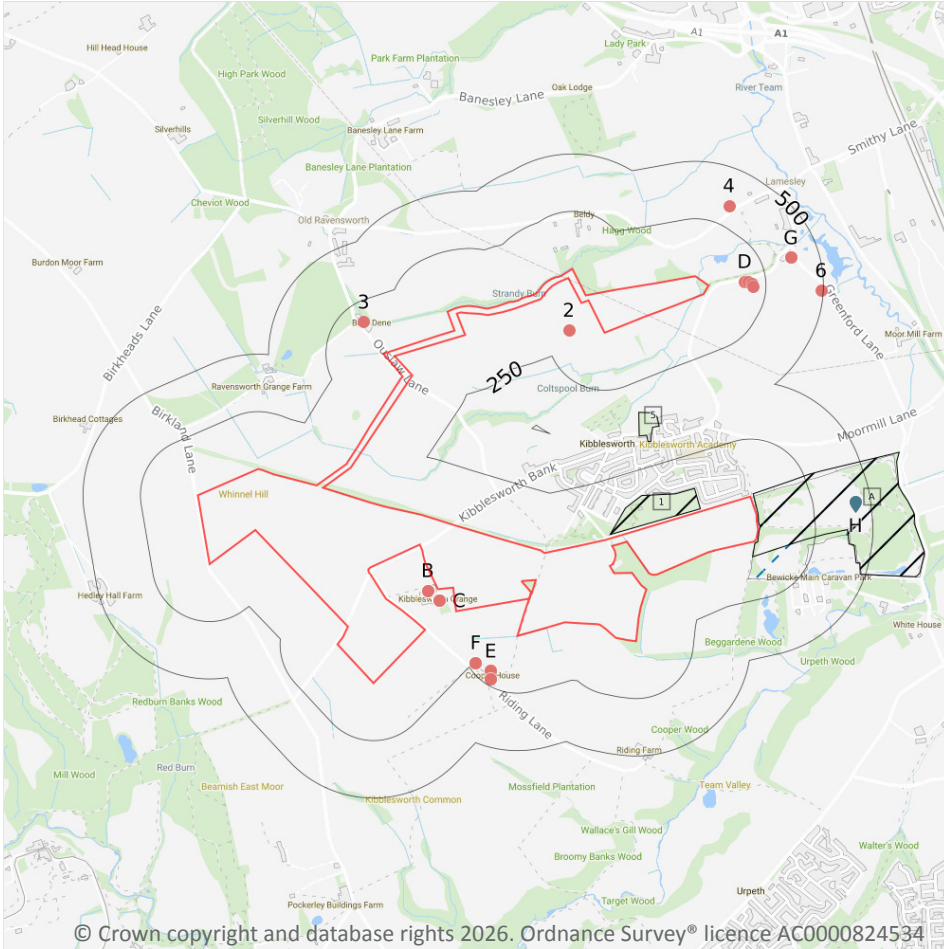
0

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'.

This data is sourced from Ordnance Survey® / Groundsure.



3 Waste and landfill



- Site Outline
- Search buffers in metres (m)
- Active or recent landfill
- Historical landfill (EA/NRW)
- Licensed waste sites
- Waste exemptions

3.1 Active or recent landfill

Records within 500m

1

Active or recently closed landfill sites under Environment Agency/Natural Resources Wales regulation. Features are displayed on the Waste and landfill map on [page 29 >](#)

ID	Location	Details	
A	6m E	Operator: Tyne Waste Ltd Site Address: Tyne Waste Ltd, . Greenford Lane, Lamesley, Gateshead, Tyne & Wear, DH2 1BJ	WML Number: 67534 EPR Reference: 664179 Landfill type: A04: Household, Commercial & Industrial Waste Landfill Status: Closure IPPC Reference: - EPR Number: EA/EPR/YP3797ZR



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

3.2 Historical landfill (BGS records)

Records within 500m

0

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

This data is sourced from the British Geological Survey.

3.3 Historical landfill (LA/mapping records)

Records within 500m

0

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

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

3.4 Historical landfill (EA/NRW records)

Records within 500m

3

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

Features are displayed on the Waste and landfill map on [page 29 >](#)

ID	Location	Details		
A	5m E	Site Address: Kibblesworth Quarry, Off Moor Mill Lane, Kibblesworth Licence Holder Address: -	Waste Licence: Yes Site Reference: GH 043, TWR 21GH, GH 065, TW 045 GH Waste Type: Inert, Industrial, Commercial, Household Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 23/01/1984 Licence Surrender: -	Operator: - Licence Holder: Common Services Committee First Recorded 31/01/1984 Last Recorded: 30/11/1989
1	11m N	Site Address: Kibblesworth Village, Kibblesworth, Tyne and Wear Licence Holder Address: -	Waste Licence: - Site Reference: GH 030, GH 8 Waste Type: - Environmental Permitting Regulations (Waste) Reference: - Licence Issue: - Licence Surrender: -	Operator: - Licence Holder: - First Recorded - Last Recorded: -



ID	Location	Details		
5	354m N	Site Address: Kibblesworth Post Office, Kibblesworth, Tyne and Wear Licence Holder Address: -	Waste Licence: - Site Reference: GH 010, GH 9 Waste Type: - Environmental Permitting Regulations (Waste) Reference: - Licence Issue: - Licence Surrender: -	Operator: - Licence Holder: - First Recorded - Last Recorded: -

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

4

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

Features are displayed on the Waste and landfill map on [page 29 >](#)

ID	Location	Details		
H	433m E	Site Name: Kibblesworth Quarry Site Address: Kibblesworth Quarry, Greenford Lane, Kibblesworth, Gateshead, Tyne & Wear, DH2 1BJ Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste Landfill Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: TYN011 EPR reference: EA/EPR/YP3797ZR/V007 Operator: Tyne Waste Limited Waste Management licence No: 67534 Annual Tonnage: 1004480	Issue Date: 11/03/1993 Effective Date: - Modified: 30/06/2016 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified



ID	Location	Details		
H	433m E	Site Name: Kibblesworth Quarry Site Address: Kibblesworth Quarry, Greenford Lane, Kibblesworth, Gateshead, Tyne & Wear, DH2 1BJ Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste Landfill Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: TYN011 EPR reference: EA/EPR/YP3797ZR/V007 Operator: Tyne Waste Limited Waste Management licence No: 67534 Annual Tonnage: 1004480	Issue Date: 11/03/1993 Effective Date: - Modified: 30/06/2016 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
H	433m E	Site Name: Kibblesworth Landfill Site Site Address: Greenford Lane, Kibblesworth, Gateshead, Tyne & Wear, DH2 1BJ Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste Landfill Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: TYN011 EPR reference: EA/EPR/YP3797ZR/V008 Operator: Tyne Waste Ltd Waste Management licence No: 67534 Annual Tonnage: 0	Issue Date: 11/03/1993 Effective Date: - Modified: 05/04/2019 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
H	433m E	Site Name: Kibblesworth Landfill Site Site Address: . ., Greenford Lane, Lamesley, Gateshead, Tyne & Wear, DH2 1BJ Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste Landfill Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 664179 EPR reference: EA/EPR/YP3797ZR Operator: Tyne Waste Ltd Waste Management licence No: 67534 Annual Tonnage: 0	Issue Date: 11/03/1993 Effective Date: 11/03/1993 Modified: 11/03/1993 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Closure

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

3.7 Waste exemptions

Records within 500m

128

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 29 >](#)



ID	Location	Site	Reference	Category	Sub-Category	Description
B	45m SW	-	WEX369541	Using waste exemption	On a farm	Use of mulch
B	45m SW	-	WEX369541	Disposing of waste exemption	On a farm	Deposit of agricultural waste consisting of plant tissue under a Plant Health notice
B	45m SW	-	WEX369541	Treating waste exemption	On a farm	Treatment of non-hazardous pesticide washings by carbon filtration for disposal
B	45m SW	-	WEX369541	Treating waste exemption	On a farm	Crushing and emptying waste vehicle oil filters
B	45m SW	-	WEX369541	Treating waste exemption	On a farm	Sorting mixed waste
B	45m SW	-	WEX369541	Treating waste exemption	On a farm	Recovery of scrap metal
B	45m SW	-	WEX369541	Using waste exemption	On a farm	Use of waste in construction
B	45m SW	-	WEX369541	Storing waste exemption	On a farm	Storage of waste in a secure place
B	45m SW	-	WEX369541	Storing waste exemption	On a farm	Storage of waste in secure containers
B	45m SW	-	WEX369541	Disposing of waste exemption	On a farm	Burning waste in the open
B	45m SW	-	WEX369541	Disposing of waste exemption	On a farm	Disposal by incineration
B	45m SW	-	WEX369541	Treating waste exemption	On a farm	Cleaning, washing, spraying or coating relevant waste
B	45m SW	-	WEX369541	Using waste exemption	On a farm	Pig and poultry ash
B	45m SW	-	WEX369541	Using waste exemption	On a farm	Incorporation of ash into soil
B	45m SW	-	WEX369541	Using waste exemption	On a farm	Spreading of plant matter to confer benefit
B	45m SW	-	WEX369541	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit



ID	Location	Site	Reference	Category	Sub-Category	Description
B	45m SW	-	WEX369541	Using waste exemption	On a farm	Use of waste for a specified purpose
C	47m S	Kibblesworth Grange Farm, Kibblesworth Bank, Gateshead, Ne11 0jb	WEX212329	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
C	47m S	Kibblesworth Grange Farm, Kibblesworth Bank, Gateshead, Ne11 0jb	WEX212329	Using waste exemption	On a farm	Use of mulch
C	47m S	Kibblesworth Grange Farm, Kibblesworth Bank, Gateshead, Ne11 0jb	WEX212329	Treating waste exemption	On a farm	Recovery of scrap metal
C	47m S	Kibblesworth Grange Farm, Kibblesworth Bank, Gateshead, Ne11 0jb	WEX212329	Treating waste exemption	On a farm	Sorting mixed waste
C	47m S	Kibblesworth Grange Farm, Kibblesworth Bank, Gateshead, Ne11 0jb	WEX212329	Treating waste exemption	On a farm	Crushing and emptying waste vehicle oil filters
C	47m S	Kibblesworth Grange Farm, Kibblesworth Bank, Gateshead, Ne11 0jb	WEX212329	Treating waste exemption	On a farm	Treatment of non-hazardous pesticide washings by carbon filtration for disposal
C	47m S	Kibblesworth Grange Farm, Kibblesworth Bank, Gateshead, Ne11 0jb	WEX212329	Disposing of waste exemption	On a farm	Deposit of agricultural waste consisting of plant tissue under a Plant Health notice
C	47m S	Kibblesworth Grange Farm, Kibblesworth Bank, Gateshead, Ne11 0jb	WEX212329	Disposing of waste exemption	On a farm	Disposal by incineration
C	47m S	Kibblesworth Grange Farm, Kibblesworth Bank, Gateshead, Ne11 0jb	WEX212329	Disposing of waste exemption	On a farm	Burning waste in the open
C	47m S	Kibblesworth Grange Farm, Kibblesworth Bank, Gateshead, Ne11 0jb	WEX212329	Storing waste exemption	On a farm	Storage of waste in a secure place
C	47m S	Kibblesworth Grange Farm, Kibblesworth Bank, Gateshead, Ne11 0jb	WEX212329	Using waste exemption	On a farm	Use of waste in construction
C	47m S	Kibblesworth Grange Farm, Kibblesworth Bank, Gateshead, Ne11 0jb	WEX212329	Using waste exemption	On a farm	Use of waste for a specified purpose
C	47m S	Kibblesworth Grange Farm, Kibblesworth Bank, Gateshead, Ne11 0jb	WEX212329	Using waste exemption	On a farm	Spreading of plant matter to confer benefit



ID	Location	Site	Reference	Category	Sub-Category	Description
C	47m S	Kibblesworth Grange Farm, Kibblesworth Bank, Gateshead, Ne11 0jb	WEX212329	Using waste exemption	On a farm	Incorporation of ash into soil
C	47m S	Kibblesworth Grange Farm, Kibblesworth Bank, Gateshead, Ne11 0jb	WEX212329	Treating waste exemption	On a farm	Cleaning, washing, spraying or coating relevant waste
C	47m S	Kibblesworth Grange Farm, Kibblesworth Bank, Gateshead, Ne11 0jb	WEX212329	Treating waste exemption	On a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
C	47m S	Kibblesworth Grange Farm, Kibblesworth Bank, Gateshead, Ne11 0jb	WEX212329	Storing waste exemption	On a farm	Storage of waste in secure containers
C	47m S	Kibblesworth Grange Farm, Kibblesworth Bank, Gateshead, Ne11 0jb	WEX067945	Storing waste exemption	On a farm	Storage of waste in secure containers
C	47m S	Kibblesworth Grange Farm, Kibblesworth Bank, Gateshead, Ne11 0jb	WEX067945	Storing waste exemption	On a farm	Storage of waste in a secure place
C	47m S	Kibblesworth Grange Farm, Kibblesworth Bank, Gateshead, Ne11 0jb	WEX067945	Treating waste exemption	On a farm	Cleaning, washing, spraying or coating relevant waste
C	47m S	Kibblesworth Grange Farm, Kibblesworth Bank, Gateshead, Ne11 0jb	WEX067945	Treating waste exemption	On a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
C	47m S	Kibblesworth Grange Farm, Kibblesworth Bank, Gateshead, Ne11 0jb	WEX067945	Using waste exemption	On a farm	Use of waste in construction
C	47m S	Kibblesworth Grange Farm, Kibblesworth Bank, Gateshead, Ne11 0jb	WEX067945	Using waste exemption	On a farm	Spreading of plant matter to confer benefit
C	47m S	Kibblesworth Grange Farm, Kibblesworth Bank, Gateshead, Ne11 0jb	WEX067945	Using waste exemption	On a farm	Incorporation of ash into soil
C	47m S	Kibblesworth Grange Farm, Kibblesworth Bank, Gateshead, Ne11 0jb	WEX067945	Using waste exemption	On a farm	Use of waste for a specified purpose
C	47m S	Kibblesworth Grange Farm, Kibblesworth Bank, Gateshead, Ne11 0jb	WEX067945	Disposing of waste exemption	On a farm	Deposit of agricultural waste consisting of plant tissue under a Plant Health notice



ID	Location	Site	Reference	Category	Sub-Category	Description
C	47m S	Kibblesworth Grange Farm, Kibblesworth Bank, Gateshead, Ne11 0jb	WEX067945	Disposing of waste exemption	On a farm	Disposal by incineration
C	47m S	Kibblesworth Grange Farm, Kibblesworth Bank, Gateshead, Ne11 0jb	WEX067945	Disposing of waste exemption	On a farm	Burning waste in the open
C	47m S	Kibblesworth Grange Farm, Kibblesworth Bank, Gateshead, Ne11 0jb	WEX067945	Treating waste exemption	On a farm	Sorting mixed waste
C	47m S	Kibblesworth Grange Farm, Kibblesworth Bank, Gateshead, Ne11 0jb	WEX067945	Treating waste exemption	On a farm	Crushing and emptying waste vehicle oil filters
C	47m S	Kibblesworth Grange Farm, Kibblesworth Bank, Gateshead, Ne11 0jb	WEX067945	Treating waste exemption	On a farm	Treatment of non-hazardous pesticide washings by carbon filtration for disposal
C	47m S	Kibblesworth Grange Farm, Kibblesworth Bank, Gateshead, Ne11 0jb	WEX067945	Treating waste exemption	On a farm	Recovery of scrap metal
C	47m S	Kibblesworth Grange Farm, Kibblesworth Bank, Gateshead, Ne11 0jb	WEX067945	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
C	47m S	Kibblesworth Grange Farm, Kibblesworth Bank, Gateshead, Ne11 0jb	WEX067945	Using waste exemption	On a farm	Use of mulch
C	47m S	Kibblesworth Grange Farm, Kibblesworth Bank, Gateshead, Ne11 0jb	WEX336827	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
C	47m S	Kibblesworth Grange Farm, Kibblesworth Bank, Gateshead, Ne11 0jb	WEX336827	Using waste exemption	On a farm	Use of mulch
C	47m S	Kibblesworth Grange Farm, Kibblesworth Bank, Gateshead, Ne11 0jb	WEX336827	Treating waste exemption	On a farm	Recovery of scrap metal
C	47m S	Kibblesworth Grange Farm, Kibblesworth Bank, Gateshead, Ne11 0jb	WEX336827	Treating waste exemption	On a farm	Sorting mixed waste
C	47m S	Kibblesworth Grange Farm, Kibblesworth Bank, Gateshead, Ne11 0jb	WEX336827	Treating waste exemption	On a farm	Crushing and emptying waste vehicle oil filters



ID	Location	Site	Reference	Category	Sub-Category	Description
C	47m S	Kibblesworth Grange Farm, Kibblesworth Bank, Gateshead, Ne11 0jb	WEX336827	Treating waste exemption	On a farm	Treatment of non-hazardous pesticide washings by carbon filtration for disposal
C	47m S	Kibblesworth Grange Farm, Kibblesworth Bank, Gateshead, Ne11 0jb	WEX336827	Disposing of waste exemption	On a farm	Deposit of agricultural waste consisting of plant tissue under a Plant Health notice
C	47m S	Kibblesworth Grange Farm, Kibblesworth Bank, Gateshead, Ne11 0jb	WEX336827	Disposing of waste exemption	On a farm	Disposal by incineration
C	47m S	Kibblesworth Grange Farm, Kibblesworth Bank, Gateshead, Ne11 0jb	WEX336827	Disposing of waste exemption	On a farm	Burning waste in the open
C	47m S	Kibblesworth Grange Farm, Kibblesworth Bank, Gateshead, Ne11 0jb	WEX336827	Using waste exemption	On a farm	Use of waste in construction
C	47m S	Kibblesworth Grange Farm, Kibblesworth Bank, Gateshead, Ne11 0jb	WEX336827	Using waste exemption	On a farm	Use of waste for a specified purpose
C	47m S	Kibblesworth Grange Farm, Kibblesworth Bank, Gateshead, Ne11 0jb	WEX336827	Using waste exemption	On a farm	Spreading of plant matter to confer benefit
C	47m S	Kibblesworth Grange Farm, Kibblesworth Bank, Gateshead, Ne11 0jb	WEX336827	Using waste exemption	On a farm	Incorporation of ash into soil
C	47m S	Kibblesworth Grange Farm, Kibblesworth Bank, Gateshead, Ne11 0jb	WEX336827	Treating waste exemption	On a farm	Cleaning, washing, spraying or coating relevant waste
C	47m S	Kibblesworth Grange Farm, Kibblesworth Bank, Gateshead, Ne11 0jb	WEX336827	Treating waste exemption	On a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
C	47m S	Kibblesworth Grange Farm, Kibblesworth Bank, Gateshead, Ne11 0jb	WEX336827	Storing waste exemption	On a farm	Storage of waste in secure containers
C	47m S	Kibblesworth Grange Farm, Kibblesworth Bank, Gateshead, Ne11 0jb	WEX336827	Storing waste exemption	On a farm	Storage of waste in a secure place
C	50m S	Kibblesworth Grange Farm Kibblesworth Bank Gateshead Tyne And Wear Ne11 0jb	EPR/EF0030H D/A001	Disposing of waste exemption	Agricultural waste only	Deposit of agricultural waste consisting of plant tissue under a Plant Health notice



ID	Location	Site	Reference	Category	Sub-Category	Description
C	50m S	Kibblesworth Grange Farm Kibblesworth Bank Gateshead Tyne And Wear Ne11 0jb	EPR/EF0030H D/A001	Disposing of waste exemption	Agricultural waste only	Disposal by incineration
C	50m S	Kibblesworth Grange Farm Kibblesworth Bank Gateshead Tyne And Wear Ne11 0jb	EPR/EF0030H D/A001	Disposing of waste exemption	Agricultural waste only	Burning waste in the open
C	50m S	Kibblesworth Grange Farm Kibblesworth Bank Gateshead Tyne And Wear Ne11 0jb	EPR/EF0030H D/A001	Treating waste exemption	Agricultural waste only	Sorting mixed waste
C	50m S	Kibblesworth Grange Farm Kibblesworth Bank Gateshead Tyne And Wear Ne11 0jb	EPR/EF0030H D/A001	Treating waste exemption	Agricultural waste only	Treatment of waste food
C	50m S	Kibblesworth Grange Farm Kibblesworth Bank Gateshead Tyne And Wear Ne11 0jb	EPR/EF0030H D/A001	Treating waste exemption	Agricultural waste only	Crushing and emptying waste vehicle oil filters
C	50m S	Kibblesworth Grange Farm Kibblesworth Bank Gateshead Tyne And Wear Ne11 0jb	EPR/EF0030H D/A001	Treating waste exemption	Agricultural waste only	Anaerobic digestion at premises used for agriculture and burning of resultant biogas
C	50m S	Kibblesworth Grange Farm Kibblesworth Bank Gateshead Tyne And Wear Ne11 0jb	EPR/EF0030H D/A001	Treating waste exemption	Agricultural waste only	Treatment of non-hazardous pesticide washings by carbon filtration for disposal
C	50m S	Kibblesworth Grange Farm Kibblesworth Bank Gateshead Tyne And Wear Ne11 0jb	EPR/EF0030H D/A001	Treating waste exemption	Agricultural waste only	Treatment of waste in a biobed or biofilter
C	50m S	Kibblesworth Grange Farm Kibblesworth Bank Gateshead Tyne And Wear Ne11 0jb	EPR/EF0030H D/A001	Treating waste exemption	Agricultural waste only	Screening and blending of waste
C	50m S	Kibblesworth Grange Farm Kibblesworth Bank Gateshead Tyne And Wear Ne11 0jb	EPR/EF0030H D/A001	Treating waste exemption	Agricultural waste only	Recovery of scrap metal



ID	Location	Site	Reference	Category	Sub-Category	Description
C	50m S	Kibblesworth Grange Farm Kibblesworth Bank Gateshead Tyne And Wear Ne11 0jb	EPR/EF0030H D/A001	Using waste exemption	Agricultural waste only	Spreading waste on agricultural land to confer benefit
C	50m S	Kibblesworth Grange Farm Kibblesworth Bank Gateshead Tyne And Wear Ne11 0jb	EPR/EF0030H D/A001	Using waste exemption	Agricultural waste only	Use of mulch
C	50m S	Kibblesworth Grange Farm Kibblesworth Bank Gateshead Tyne And Wear Ne11 0jb	EPR/EF0030H D/A001	Using waste exemption	Agricultural waste only	Use of waste to manufacture finished goods
C	50m S	Kibblesworth Grange Farm Kibblesworth Bank Gateshead Tyne And Wear Ne11 0jb	EPR/EF0030H D/A001	Storing waste exemption	Agricultural waste only	Storage of waste in secure containers
C	50m S	Kibblesworth Grange Farm Kibblesworth Bank Gateshead Tyne And Wear Ne11 0jb	EPR/EF0030H D/A001	Storing waste exemption	Agricultural waste only	Storage of waste in a secure place
C	50m S	Kibblesworth Grange Farm Kibblesworth Bank Gateshead Tyne And Wear Ne11 0jb	EPR/EF0030H D/A001	Treating waste exemption	Agricultural waste only	Cleaning, washing, spraying or coating relevant waste
C	50m S	Kibblesworth Grange Farm Kibblesworth Bank Gateshead Tyne And Wear Ne11 0jb	EPR/EF0030H D/A001	Treating waste exemption	Agricultural waste only	Aerobic composting and associated prior treatment
C	50m S	Kibblesworth Grange Farm Kibblesworth Bank Gateshead Tyne And Wear Ne11 0jb	EPR/EF0030H D/A001	Treating waste exemption	Agricultural waste only	Preparatory treatments (baling, sorting, shredding etc)
C	50m S	Kibblesworth Grange Farm Kibblesworth Bank Gateshead Tyne And Wear Ne11 0jb	EPR/EF0030H D/A001	Treating waste exemption	Agricultural waste only	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
C	50m S	Kibblesworth Grange Farm Kibblesworth Bank Gateshead Tyne And Wear Ne11 0jb	EPR/EF0030H D/A001	Treating waste exemption	Agricultural waste only	Mechanical treatment of end-of-life tyres



ID	Location	Site	Reference	Category	Sub-Category	Description
C	50m S	Kibblesworth Grange Farm Kibblesworth Bank Gateshead Tyne And Wear Ne11 0jb	EPR/EF0030H D/A001	Using waste exemption	Agricultural waste only	Use of waste in construction
C	50m S	Kibblesworth Grange Farm Kibblesworth Bank Gateshead Tyne And Wear Ne11 0jb	EPR/EF0030H D/A001	Using waste exemption	Agricultural waste only	Spreading waste on non-agricultural land to confer benefit
C	50m S	Kibblesworth Grange Farm Kibblesworth Bank Gateshead Tyne And Wear Ne11 0jb	EPR/EF0030H D/A001	Using waste exemption	Agricultural waste only	Spreading of plant matter to confer benefit
C	50m S	Kibblesworth Grange Farm Kibblesworth Bank Gateshead Tyne And Wear Ne11 0jb	EPR/EF0030H D/A001	Using waste exemption	Agricultural waste only	Incorporation of ash into soil
C	50m S	Kibblesworth Grange Farm Kibblesworth Bank Gateshead Tyne And Wear Ne11 0jb	EPR/EF0030H D/A001	Using waste exemption	Agricultural waste only	Use of baled end-of-life tyres in construction
C	50m S	Kibblesworth Grange Farm Kibblesworth Bank Gateshead Tyne And Wear Ne11 0jb	EPR/EF0030H D/A001	Using waste exemption	Agricultural waste only	Burning of waste as a fuel in a small appliance
C	50m S	Kibblesworth Grange Farm Kibblesworth Bank Gateshead Tyne And Wear Ne11 0jb	EPR/EF0030H D/A001	Using waste exemption	Agricultural waste only	Use of waste derived biodiesel as fuel
C	50m S	Kibblesworth Grange Farm Kibblesworth Bank Gateshead Tyne And Wear Ne11 0jb	EPR/EF0030H D/A001	Using waste exemption	Agricultural waste only	Use of waste for a specified purpose
2	134m SW	42 Park View Newcastle Upon Tyne Tyne And Wear Ne13 6lh	EPR/VF0604XJ /A001	Treating waste exemption	Non-agricultural waste only	Sorting and de-naturing of controlled drugs for disposal
D	157m E	-	WEX240853	Storing waste exemption	On a farm	Storage of sludge
3	161m NW	-	WEX428090	Using waste exemption	Not on a farm	Use of waste in construction
D	172m E	-	WEX256558	Storing waste exemption	On a farm	Storage of sludge



ID	Location	Site	Reference	Category	Sub-Category	Description
D	187m E	-	WEX188379	Storing waste exemption	On a farm	Storage of sludge
D	195m E	-	WEX366334	Storing waste exemption	On a farm	Storage of sludge
E	196m SW	Cooper House Farm, Riding Lane, Gateshead, Ne11 0ja	WEX449373	Disposing of waste exemption	On a farm	Burning waste in the open
E	196m SW	Cooper House Farm, Riding Lane, Gateshead, Ne11 0ja	WEX449373	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
E	196m SW	Cooper House Farm, Riding Lane, Gateshead, Ne11 0ja	WEX449373	Using waste exemption	On a farm	Spreading of plant matter to confer benefit
F	219m SW	Cooper House Farm, Riding Lane, Gateshead, Ne11 0ja	WEX020936	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
F	219m SW	Cooper House Farm, Riding Lane, Gateshead, Ne11 0ja	WEX020936	Using waste exemption	On a farm	Spreading of plant matter to confer benefit
F	219m SW	Cooper House Farm, Riding Lane, Gateshead, Ne11 0ja	WEX020936	Disposing of waste exemption	On a farm	Burning waste in the open
F	219m SW	Cooper House Farm, Riding Lane, Gateshead, Ne11 0ja	WEX177851	Disposing of waste exemption	On a farm	Burning waste in the open
F	219m SW	Cooper House Farm, Riding Lane, Gateshead, Ne11 0ja	WEX313520	Disposing of waste exemption	On a farm	Burning waste in the open
F	219m SW	Cooper House Farm, Riding Lane, Gateshead, Ne11 0ja	WEX313520	Using waste exemption	On a farm	Spreading of plant matter to confer benefit
F	219m SW	Cooper House Farm, Riding Lane, Gateshead, Ne11 0ja	WEX313520	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
F	219m SW	Cooper House Farm, Riding Lane, Gateshead, Ne11 0ja	WEX177851	Using waste exemption	On a farm	Spreading of plant matter to confer benefit
F	219m SW	Cooper House Farm, Riding Lane, Gateshead, Ne11 0ja	WEX177851	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
E	226m SW	Cooper House Farm Riding Lane Gateshead Tyne And Wear Ne11 0ja	EPR/HH0572G D/A001	Disposing of waste exemption	Agricultural waste only	Deposit of waste from dredging of inland waters



ID	Location	Site	Reference	Category	Sub-Category	Description
E	226m SW	Cooper House Farm Riding Lane Gateshead Tyne And Wear Ne11 0ja	EPR/HH0572G D/A001	Using waste exemption	Agricultural waste only	Spreading of plant matter to confer benefit
E	226m SW	Cooper House Farm Riding Lane Gateshead Tyne And Wear Ne11 0ja	EPR/HH0572G D/A001	Disposing of waste exemption	Agricultural waste only	Burning waste in the open
4	337m NE	-	WEX410981	Storing waste exemption	On a farm	Storage of sludge
G	377m E	Oaklea Gateshead Tyne And Wear Ne11 0er	EPR/KH0872M F/A001	Disposing of waste exemption	Both agricultural and non-agricultural waste	Burning waste in the open
G	377m E	Oaklea Gateshead Tyne And Wear Ne11 0er	EPR/KH0872M F/A001	Using waste exemption	Both agricultural and non-agricultural waste	Spreading waste on agricultural land to confer benefit
G	377m E	Oaklea Gateshead Tyne And Wear Ne11 0er	EPR/KH0872M F/A001	Using waste exemption	Both agricultural and non-agricultural waste	Use of mulch
G	377m E	Oaklea Gateshead Tyne And Wear Ne11 0er	EPR/KH0872M F/A001	Disposing of waste exemption	Both agricultural and non-agricultural waste	Deposit of waste from dredging of inland waters
G	377m E	Oaklea Gateshead Tyne And Wear Ne11 0er	EPR/KH0872M F/A001	Treating waste exemption	Both agricultural and non-agricultural waste	Aerobic composting and associated prior treatment
G	377m E	Oaklea Gateshead Tyne And Wear Ne11 0er	EPR/KH0872M F/A001	Using waste exemption	Both agricultural and non-agricultural waste	Spreading of plant matter to confer benefit
G	377m E	Oaklea Gateshead Tyne And Wear Ne11 0er	EPR/KH0872M F/A001	Using waste exemption	Both agricultural and non-agricultural waste	Incorporation of ash into soil

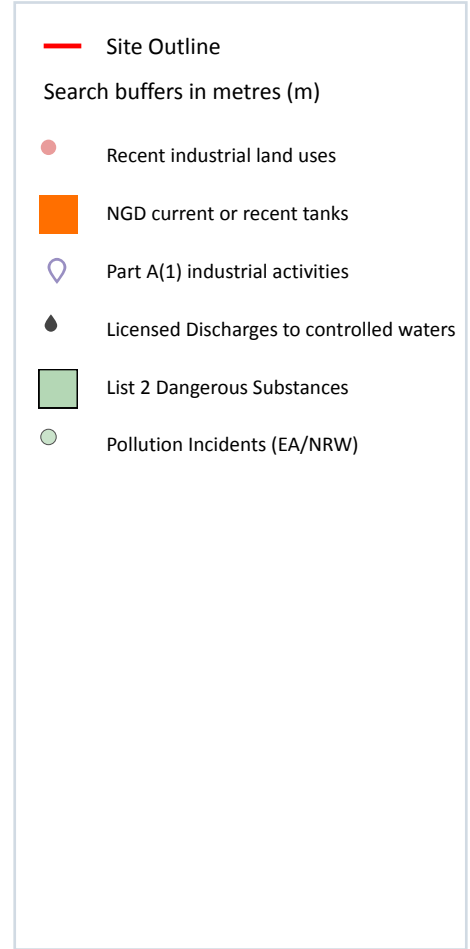
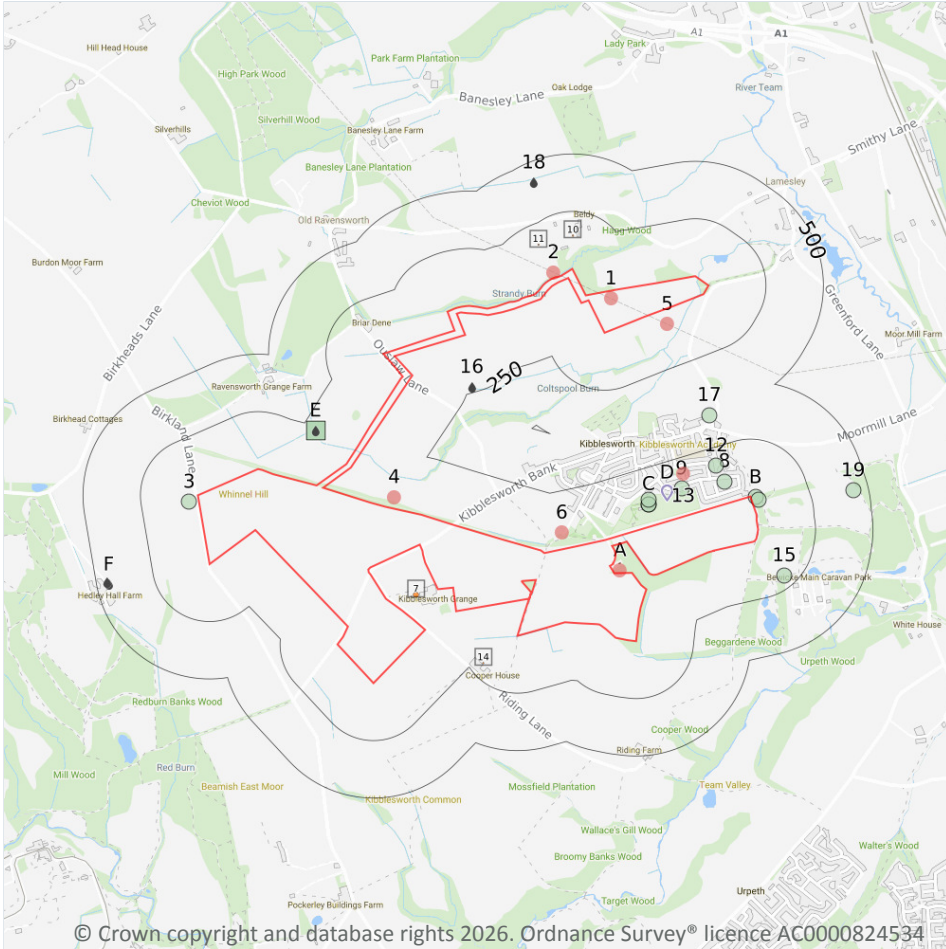


ID	Location	Site	Reference	Category	Sub-Category	Description
G	377m E	Oaklea Gateshead Tyne And Wear Ne11 0er	EPR/KH0872M F/A001	Using waste exemption	Both agricultural and non- agricultural waste	Use of waste for a specified purpose
6	490m E	-	WEX141479	Storing waste exemption	On a farm	Storage of sludge

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



4 Current industrial land use



4.1 Recent industrial land uses

Records within 250m

7

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on [page 44](#) >

ID	Location	Company	Address	Activity	Category
1	On site	Pylon	Tyne & Wear, NE11	Electrical Features	Infrastructure and Facilities
A	12m N	Pumping Station	Tyne & Wear, NE11	Water Pumping Stations	Industrial Features
2	23m N	Pylon	Tyne & Wear, NE11	Electrical Features	Infrastructure and Facilities



ID	Location	Company	Address	Activity	Category
4	49m N	Mast (Telecommunication)	Tyne & Wear, NE11	Telecommunications Features	Infrastructure and Facilities
5	64m S	Pylon	Tyne & Wear, NE11	Electrical Features	Infrastructure and Facilities
6	71m N	Electricity Sub Station	Tyne & Wear, NE11	Electrical Features	Infrastructure and Facilities
13	180m N	Electricity Sub Station	Tyne & Wear, NE11	Electrical Features	Infrastructure and Facilities

This data is sourced from Ordnance Survey®.

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

Records within 250m

5

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

Features are displayed on the Current industrial land use map on [page 44 >](#)

ID	Location	Tank description	Activity	Date first identified
A	22m SE	Roofed Storage Tank	Commercial Activity: Distribution Or Storage	01/12/1993
7	80m NE	Open Storage Tank	Commercial Activity: Distribution Or Storage	24/09/2024
10	141m N	Open Storage Tank	Commercial Activity: Distribution Or Storage	02/12/2001
11	156m NW	Open Storage Tank	Commercial Activity: Distribution Or Storage	02/12/2001
14	188m SW	Roofed Storage Tank	Commercial Activity: Distribution Or Storage	01/01/1970

This data is sourced from Ordnance Survey®.

4.3 Current or recent petrol stations

Records within 500m

0

Open, closed, under development and obsolete petrol stations.

This data is sourced from Experian.



4.4 Electricity cables

Records within 500m

0

High voltage underground electricity transmission cables.

This data is sourced from National Grid.

4.5 Gas pipelines

Records within 500m

0

High pressure underground gas transmission pipelines.

This data is sourced from National Grid.

4.6 Sites determined as Contaminated Land

Records within 500m

0

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

This data is sourced from Local Authority records.

4.7 Control of Major Accident Hazards (COMAH)

Records within 500m

0

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

This data is sourced from the Health and Safety Executive.

4.8 Regulated explosive sites

Records within 500m

0

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

This data is sourced from the Health and Safety Executive.



4.9 Hazardous substance storage/usage

Records within 500m

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.

4.10 Historical licensed industrial activities (IPC)

Records within 500m

0

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

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

4.11 Licensed industrial activities (Part A(1))

Records within 500m

9

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 44 >](#)

ID	Location	Details	
D	120m N	Operator: SUEZ RECYCLING AND RECOVERY UK LTD Installation Name: Kibblesworth LTP EPR/TP3433GQ Process: DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING PHYSICO-CHEMICAL TREATMENT Permit Number: TP3433GQ Original Permit Number: TP3433GQ	EPR Reference: EPR/TP3433GQ Issue Date: 02/04/2009 Effective Date: 22/12/2017 Last date noted as effective: 07/01/2026 Status: Effective
D	120m N	Operator: SUEZ RECYCLING AND RECOVERY UK LTD Installation Name: Kibblesworth LTP EPR/TP3433GQ Process: ASSOCIATED PROCESS Permit Number: TP3433GQ Original Permit Number: TP3433GQ	EPR Reference: EPR/TP3433GQ Issue Date: 02/04/2009 Effective Date: 22/12/2017 Last date noted as effective: 07/01/2026 Status: Effective
D	120m N	Operator: SITA UK Limited Installation Name: Kibblesworth LTP EPR/TP3433GQ Process: DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING PHYSICO-CHEMICAL TREATMENT Permit Number: YP3634EK Original Permit Number: TP3433GQ	EPR Reference: - Issue Date: 17/12/2013 Effective Date: 17/12/2013 Last date noted as effective: 21/03/2023 Status: Superseded



ID	Location	Details	
D	120m N	Operator: SUEZ Recycling and Recovery UK Ltd Installation Name: Kibblesworth LTP EPR/TP3433GQ Process: DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING PHYSICO-CHEMICAL TREATMENT Permit Number: CP3635DF Original Permit Number: TP3433GQ	EPR Reference: - Issue Date: 30/06/2016 Effective Date: 30/06/2016 Last date noted as effective: 21/03/2023 Status: Superseded
D	120m N	Operator: SUEZ Recycling and Recovery UK Ltd Installation Name: Kibblesworth LTP EPR/TP3433GQ Process: ASSOCIATED PROCESS Permit Number: CP3635DF Original Permit Number: TP3433GQ	EPR Reference: - Issue Date: 30/06/2016 Effective Date: 30/06/2016 Last date noted as effective: 21/03/2023 Status: Superseded
D	120m N	Operator: SITA UK Limited Installation Name: Kibblesworth LTP EPR/TP3433GQ Process: OTHER WASTE DISPOSAL; NON-HAZARDOUS WASTE >50T/D BY PHYSICO-CHEMICAL TREATMENT Permit Number: TP3433GQ Original Permit Number: TP3433GQ	EPR Reference: EA/EPR/TP3433GQ/A001 Issue Date: 02/04/2009 Effective Date: 02/04/2009 Last date noted as effective: 21/03/2023 Status: Superseded
D	120m N	Operator: SITA UK Limited Installation Name: Kibblesworth LTP EPR/TP3433GQ Process: ASSOCIATED PROCESS Permit Number: YP3634EK Original Permit Number: TP3433GQ	EPR Reference: - Issue Date: 17/12/2013 Effective Date: 17/12/2013 Last date noted as effective: 21/03/2023 Status: Superseded
D	120m N	Operator: SUEZ Recycling and Recovery UK Ltd Installation Name: Kibblesworth LTP EPR/TP3433GQ Process: ASSOCIATED PROCESS Permit Number: PP3039JS Original Permit Number: TP3433GQ	EPR Reference: - Issue Date: 22/12/2017 Effective Date: 22/12/2017 Last date noted as effective: 21/03/2023 Status: Effective
D	120m N	Operator: SUEZ Recycling and Recovery UK Ltd Installation Name: Kibblesworth LTP EPR/TP3433GQ Process: DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING PHYSICO-CHEMICAL TREATMENT Permit Number: PP3039JS Original Permit Number: TP3433GQ	EPR Reference: - Issue Date: 22/12/2017 Effective Date: 22/12/2017 Last date noted as effective: 21/03/2023 Status: Effective

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

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

Records within 500m

0

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.

This data is sourced from Local Authority records.



4.13 Radioactive Substance Authorisations

Records within 500m
0

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

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

4.14 Licensed Discharges to controlled waters

Records within 500m
5

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

Features are displayed on the Current industrial land use map on [page 44 >](#)

ID	Location	Address	Details	
E	192m NW	RAVENSWORTH GRANGE OCCS, KIBBLESWORTH, GATESHEAD	Effluent Type: TRADE DISCHARGES - MINERAL WORKINGS Permit Number: 235/1778 Permit Version: 1 Receiving Water: COLTSPOOL BURN	Status: REVOKED - UNSPECIFIED Issue date: 08/01/2001 Effective Date: 08/01/2001 Revocation Date: 15/12/2003
16	225m S	RAVENSWORTH GRANGE OCCS, KIBBLESWORTH, GATESHEAD	Effluent Type: TRADE DISCHARGES - MINERAL WORKINGS Permit Number: 235/1778 Permit Version: 1 Receiving Water: COLTSPOOL BURN	Status: REVOKED - UNSPECIFIED Issue date: 08/01/2001 Effective Date: 08/01/2001 Revocation Date: 15/12/2003
18	411m NW	BANESLEY LANE OCCS, RAVENSWORTH, GATESHEAD, TYNE AND WEAR	Effluent Type: TRADE DISCHARGES - MINERAL WORKINGS Permit Number: 235/1118 Permit Version: 1 Receiving Water: TEAM TRIBUTARY	Status: REVOKED - UNSPECIFIED Issue date: 27/02/1992 Effective Date: 27/02/1992 Revocation Date: 31/05/1995
F	448m W	6 HEDLEY HALL FARM, MARLEY HILL, TYNE AND WEAR, NE16 5EH	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: 235/1126 Permit Version: 1 Receiving Water: RED BURN (BEAMISH)	Status: TRANSFERRED FROM WATER ACT 1989 Issue date: 10/01/1992 Effective Date: 10/01/1992 Revocation Date: -
F	456m W	HEDLEY HALL FARM COTTAGES NOS 1, 3, MARLEY HILL, TYNE AND WEAR	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: 235/1240 Permit Version: 1 Receiving Water: RED BURN (BEAMISH BURN)	Status: NEW CONSENT, BY APPLICATION (WRA 91, SECTION 88) Issue date: 28/08/1992 Effective Date: 28/08/1992 Revocation Date: -

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



4.15 Pollutant release to surface waters (Red List)

Records within 500m

0

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

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

4.16 Pollutant release to public sewer

Records within 500m

0

Discharges of Special Category Effluents to the public sewer.

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

4.17 List 1 Dangerous Substances

Records within 500m

0

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

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

4.18 List 2 Dangerous Substances

Records within 500m

1

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.

Features are displayed on the Current industrial land use map on [page 44 >](#)

ID	Location	Name	Status	Receiving Water	Authorised Substances
E	192m NW	Ravensworth Grange Occs Wta	Not Active	Team	Iron

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

4.19 Pollution Incidents (EA/NRW)

Records within 500m

12

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

Features are displayed on the Current industrial land use map on [page 44 >](#)

ID	Location	Details	
B	20m E	Incident Date: 10/01/2002 Incident Identification: 51626 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Landfill Odour	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 2 (Significant)
B	27m E	Incident Date: 10/01/2002 Incident Identification: 51699 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Landfill Odour	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 2 (Significant)
3	42m W	Incident Date: 02/05/2003 Incident Identification: 155528 Pollutant: Specific Waste Materials Pollutant Description: Household Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
C	95m N	Incident Date: 26/06/2001 Incident Identification: 11665 Pollutant: Other Pollutant Pollutant Description: Other	Water Impact: Category 4 (No Impact) Land Impact: Category 2 (Significant) Air Impact: Category 4 (No Impact)
C	95m N	Incident Date: 15/04/2002 Incident Identification: 71469 Pollutant: Specific Waste Materials Pollutant Description: Household Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
8	96m N	Incident Date: 24/06/2001 Incident Identification: 11099 Pollutant: Other Pollutant Pollutant Description: Other	Water Impact: Category 4 (No Impact) Land Impact: Category 2 (Significant) Air Impact: Category 4 (No Impact)
C	114m N	Incident Date: 22/06/2001 Incident Identification: 10796 Pollutant: Other Pollutant Pollutant Description: Other	Water Impact: Category 4 (No Impact) Land Impact: Category 2 (Significant) Air Impact: Category 4 (No Impact)
9	119m N	Incident Date: 15/01/2002 Incident Identification: 52572 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Landfill Odour	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 2 (Significant)
12	172m N	Incident Date: 20/06/2001 Incident Identification: 10321 Pollutant: Pollutant Not Identified Pollutant Description: Not Identified	Water Impact: Category 4 (No Impact) Land Impact: Category 2 (Significant) Air Impact: Category 4 (No Impact)
15	197m SE	Incident Date: 29/10/2001 Incident Identification: 39867 Pollutant: Specific Waste Materials Pollutant Description: Tyres	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)



ID	Location	Details	
17	391m N	Incident Date: 18/10/2001 Incident Identification: 37570 Pollutant: Inert Materials and Wastes Pollutant Description: Construction and Demolition Materials and Wastes	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
19	433m E	Incident Date: 10/01/2002 Incident Identification: 51617 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Landfill Odour	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 2 (Significant)

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

4.20 Pollution inventory substances

Records within 500m

0

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

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

4.21 Pollution inventory waste transfers

Records within 500m

0

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

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

4.22 Pollution inventory radioactive waste

Records within 500m

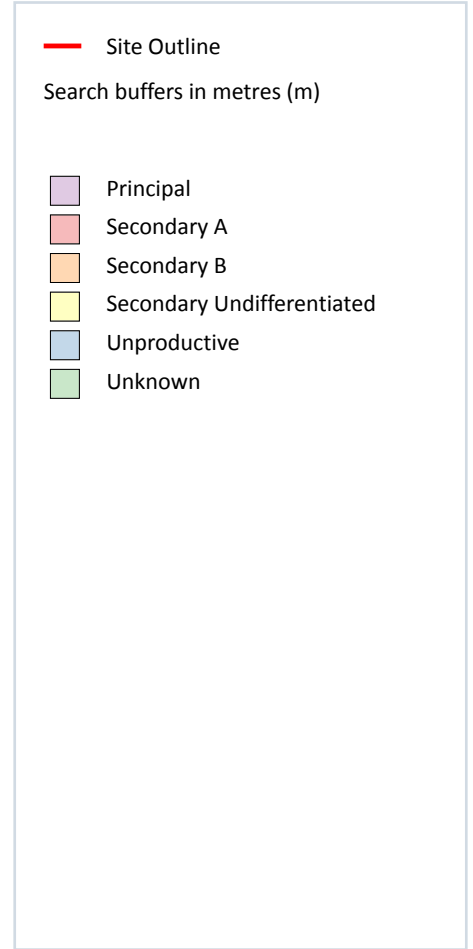
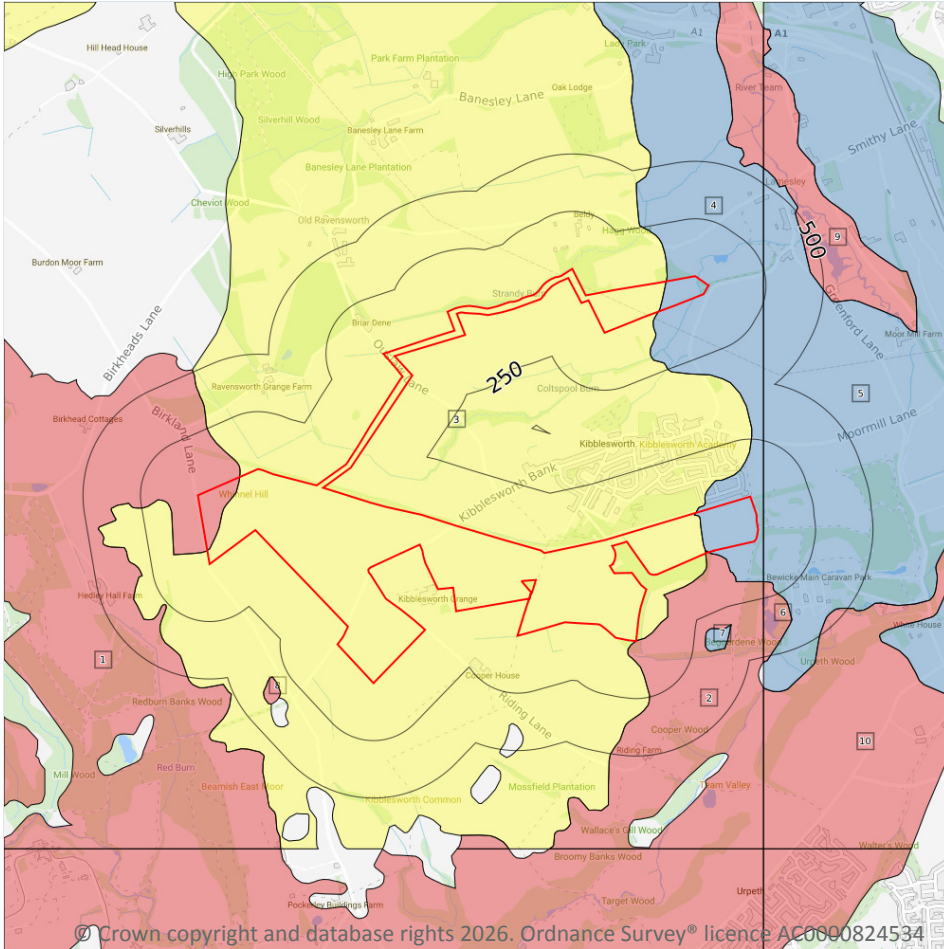
0

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

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



5 Hydrogeology - Superficial aquifer



5.1 Superficial aquifer

Records within 500m

10

Aquifer status of groundwater held within superficial geology.

Features are displayed on the Hydrogeology map on [page 53](#) >

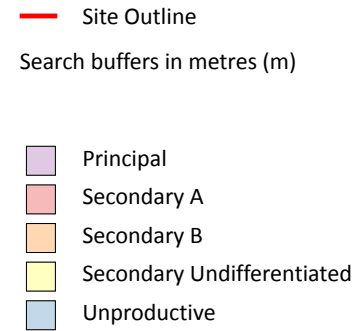
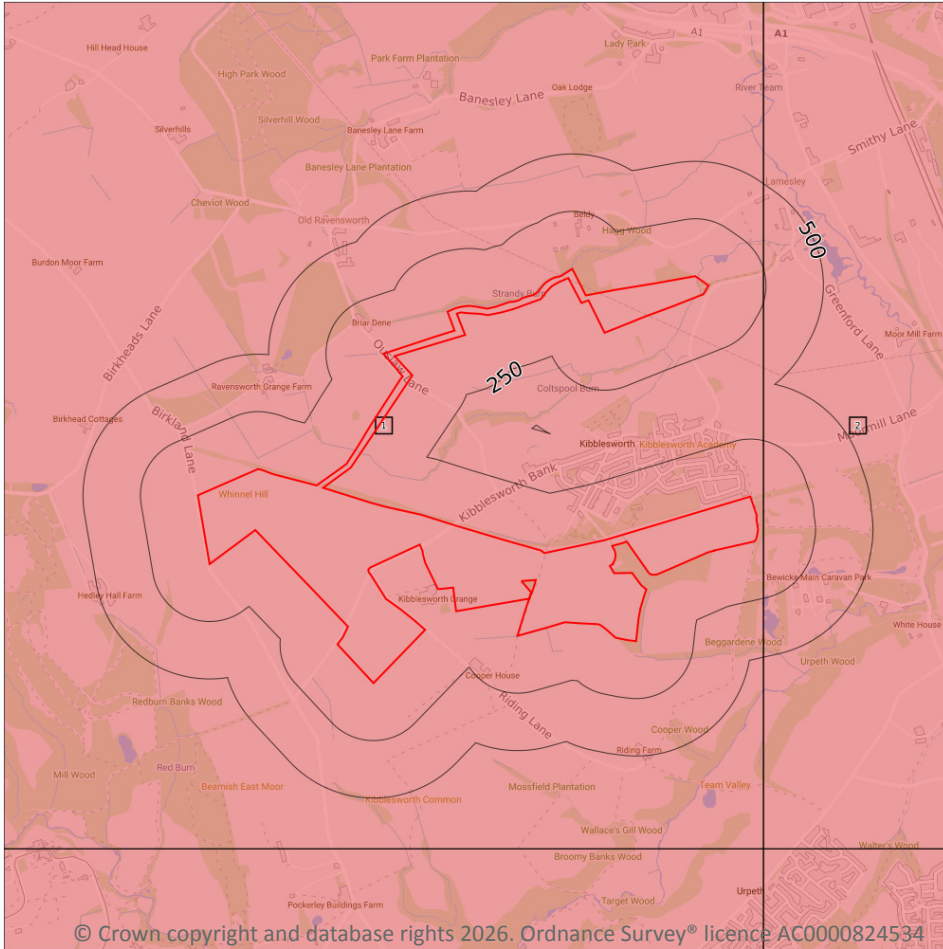
ID	Location	Designation	Description
1	On site	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
2	On site	Secondary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

ID	Location	Designation	Description
3	On site	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type
4	On site	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow
5	23m E	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow
6	179m S	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
7	299m E	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow
8	312m SW	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
9	445m E	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
10	455m SE	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers

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



Bedrock aquifer



5.2 Bedrock aquifer

Records within 500m

2

Aquifer status of groundwater held within bedrock geology.

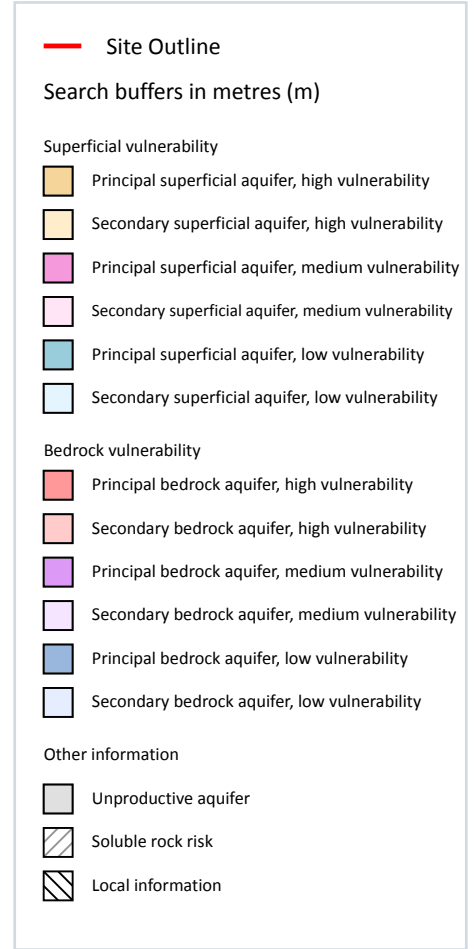
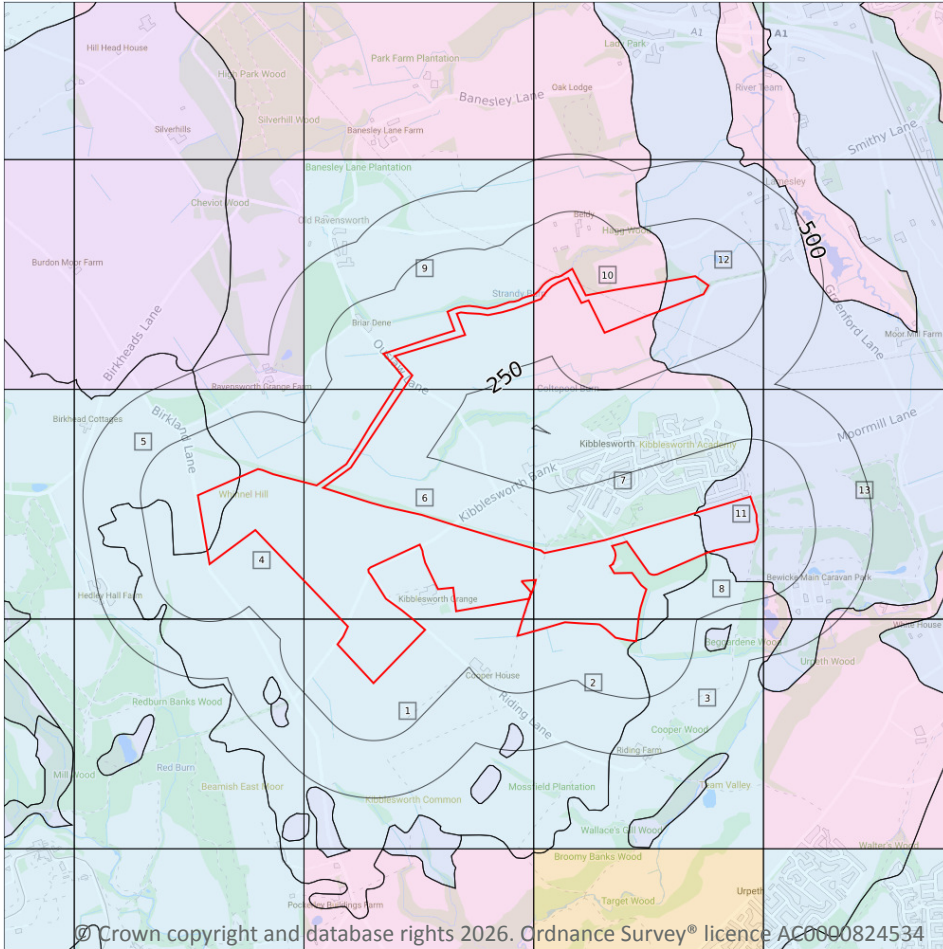
Features are displayed on the Bedrock aquifer map on [page 55 >](#)

ID	Location	Designation	Description
1	On site	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
2	23m E	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers

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



Groundwater vulnerability



5.3 Groundwater vulnerability

Records within 50m

13

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 57 >](#)



ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	On site	Summary Classification: Secondary superficial aquifer - Low Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: <40% Dilution value: 300-550mm/year	Vulnerability: Low Aquifer type: Secondary Thickness: 3-10m Patchiness value: >90% Recharge potential: Low	Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures
2	On site	Summary Classification: Secondary superficial aquifer - Low Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: <40% Dilution value: 300-550mm/year	Vulnerability: Low Aquifer type: Secondary Thickness: 3-10m Patchiness value: >90% Recharge potential: High	Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures
3	On site	Summary Classification: Secondary superficial aquifer - Low Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: <40% Dilution value: 300-550mm/year	Vulnerability: Low Aquifer type: Secondary Thickness: 3-10m Patchiness value: >90% Recharge potential: High	Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures
4	On site	Summary Classification: Secondary superficial aquifer - Low Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: <40% Dilution value: 300-550mm/year	Vulnerability: Low Aquifer type: Secondary Thickness: >10m Patchiness value: >90% Recharge potential: Low	Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures
5	On site	Summary Classification: Secondary superficial aquifer - Low Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: <40% Dilution value: 300-550mm/year	Vulnerability: Low Aquifer type: Secondary Thickness: >10m Patchiness value: >90% Recharge potential: Low	Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures
6	On site	Summary Classification: Secondary superficial aquifer - Low Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: <40% Dilution value: 300-550mm/year	Vulnerability: Low Aquifer type: Secondary Thickness: 3-10m Patchiness value: >90% Recharge potential: Low	Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures



ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
7	On site	Summary Classification: Secondary superficial aquifer - Low Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: <40% Dilution value: 300-550mm/year	Vulnerability: Low Aquifer type: Secondary Thickness: >10m Patchiness value: >90% Recharge potential: Low	Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures
8	On site	Summary Classification: Secondary superficial aquifer - Low Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: <40% Dilution value: 300-550mm/year	Vulnerability: Low Aquifer type: Secondary Thickness: >10m Patchiness value: >90% Recharge potential: Low	Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures
9	On site	Summary Classification: Secondary superficial aquifer - Low Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: <40% Dilution value: 300-550mm/year	Vulnerability: Low Aquifer type: Secondary Thickness: 3-10m Patchiness value: >90% Recharge potential: Low	Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures
10	On site	Summary Classification: Secondary superficial aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: <40% Dilution value: <300mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: >10m Patchiness value: >90% Recharge potential: Low	Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures
11	On site	Summary Classification: Secondary bedrock aquifer - Low Vulnerability Combined classification: Productive Bedrock Aquifer, Unproductive Superficial Aquifer	Leaching class: Low Infiltration value: <40% Dilution value: 300-550mm/year	Vulnerability: Unproductive Aquifer type: Unproductive Thickness: >10m Patchiness value: >90% Recharge potential: Low	Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures
12	On site	Summary Classification: Secondary bedrock aquifer - Low Vulnerability Combined classification: Productive Bedrock Aquifer, Unproductive Superficial Aquifer	Leaching class: Low Infiltration value: <40% Dilution value: <300mm/year	Vulnerability: Unproductive Aquifer type: Unproductive Thickness: >10m Patchiness value: >90% Recharge potential: Low	Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures



ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
13	23m E	Summary Classification: Secondary bedrock aquifer - Low Vulnerability Combined classification: Productive Bedrock Aquifer, Unproductive Superficial Aquifer	Leaching class: Low Infiltration value: <40% Dilution value: <300mm/year	Vulnerability: Unproductive Aquifer type: Unproductive Thickness: >10m Patchiness value: >90% Recharge potential: High	Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures

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

5.4 Groundwater vulnerability- soluble rock risk

Records on site

0

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

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

5.5 Groundwater vulnerability- local information

Records on site

0

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

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



ID	Location	Details	
A	17m SE	Status: Active Licence No: NE/023/0003/003/R01 Details: Pollution Remediation Direct Source: GROUNDWATERS Point: KIBBLESWORTH PUMPING STATION Data Type: Point Name: The Coal Authority Easting: 424360 Northing: 556230	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: NPSWR024056 Original Start Date: 01/04/2018 Expiry Date: 31/03/2030 Issue No: 1 Version Start Date: 01/04/2018 Version End Date: -
A	17m SE	Status: Historical Licence No: NE/023/0003/003 Details: Pollution Remediation Direct Source: GROUNDWATERS Point: KIBBLESWORTH PUMPING STATION Data Type: Point Name: THE COAL AUTHORITY Easting: 424360 Northing: 556230	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 08/02/2010 Expiry Date: 31/03/2018 Issue No: 1 Version Start Date: 08/02/2010 Version End Date: -

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

5.7 Surface water abstractions

Records within 2000m

5

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 61 >](#)

ID	Location	Details	
B	663m SE	Status: Historical Licence No: 1/23/05/034 Details: Spray Irrigation - Direct Direct Source: SURFACE WATER Point: RIVER TEAM Data Type: Line Name: JOHNSON Easting: 424380 Northing: 554820	Annual Volume (m ³): 10000 Max Daily Volume (m ³): 816 Original Application No: - Original Start Date: 24/07/1990 Expiry Date: - Issue No: 102 Version Start Date: 10/05/2001 Version End Date: -



ID	Location	Details	
B	663m SE	Status: Historical Licence No: 1/23/05/034 Details: Spray Irrigation - Direct Direct Source: SURFACE WATER Point: RIVER TEAM - NEAR URPETH Data Type: Line Name: JOHNSON Easting: 424380 Northing: 554820	Annual Volume (m ³): 10000 Max Daily Volume (m ³): 816 Original Application No: - Original Start Date: 24/07/1990 Expiry Date: - Issue No: 102 Version Start Date: 10/05/2001 Version End Date: -
C	1086m S	Status: Historical Licence No: 1/23/05/021 Details: Spray Irrigation - Direct Direct Source: SURFACE WATER Point: RIVER TEAM (INLAND WATER NON TIDAL) Data Type: Line Name: URPETH FARMS LTD Easting: 423420 Northing: 554140	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 24/05/1977 Expiry Date: - Issue No: 100 Version Start Date: 09/05/1983 Version End Date: -
C	1086m S	Status: Historical Licence No: 1/23/05/021 Details: Spray Irrigation - Direct Direct Source: SURFACE WATER Point: RIVER TEAM Data Type: Line Name: URPETH FARMS LTD Easting: 423420 Northing: 554140	Annual Volume (m ³): 1000 Max Daily Volume (m ³): 200 Original Application No: - Original Start Date: 24/05/1977 Expiry Date: - Issue No: 101 Version Start Date: 23/08/2004 Version End Date: -
C	1086m S	Status: Historical Licence No: 1/23/05/021 Details: Spray Irrigation - Direct Direct Source: SURFACE WATER Point: RIVER TEAM - NEAR URPETH Data Type: Line Name: URPETH FARMS LTD Easting: 423420 Northing: 554140	Annual Volume (m ³): 1000 Max Daily Volume (m ³): 200 Original Application No: - Original Start Date: 24/05/1977 Expiry Date: - Issue No: 101 Version Start Date: 23/08/2004 Version End Date: -

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

5.8 Potable abstractions

Records within 2000m

0

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

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



5.9 Source Protection Zones

Records within 500m

0

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

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

5.10 Source Protection Zones (confined aquifer)

Records within 500m

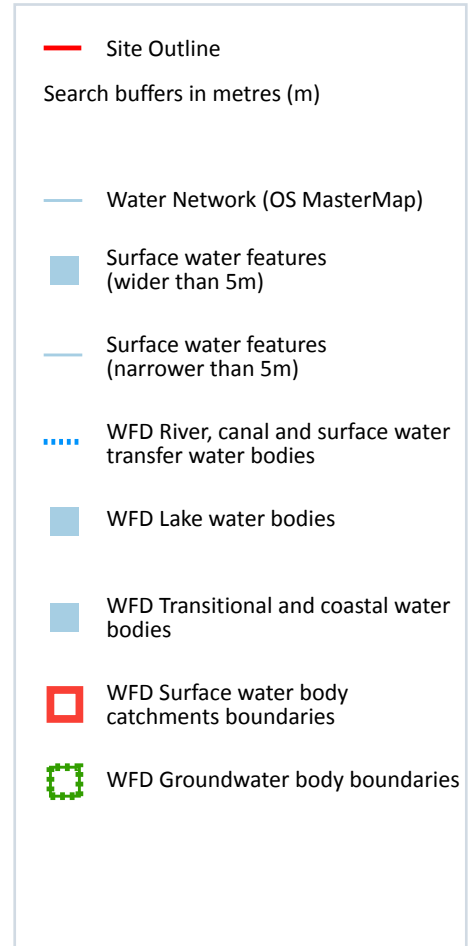
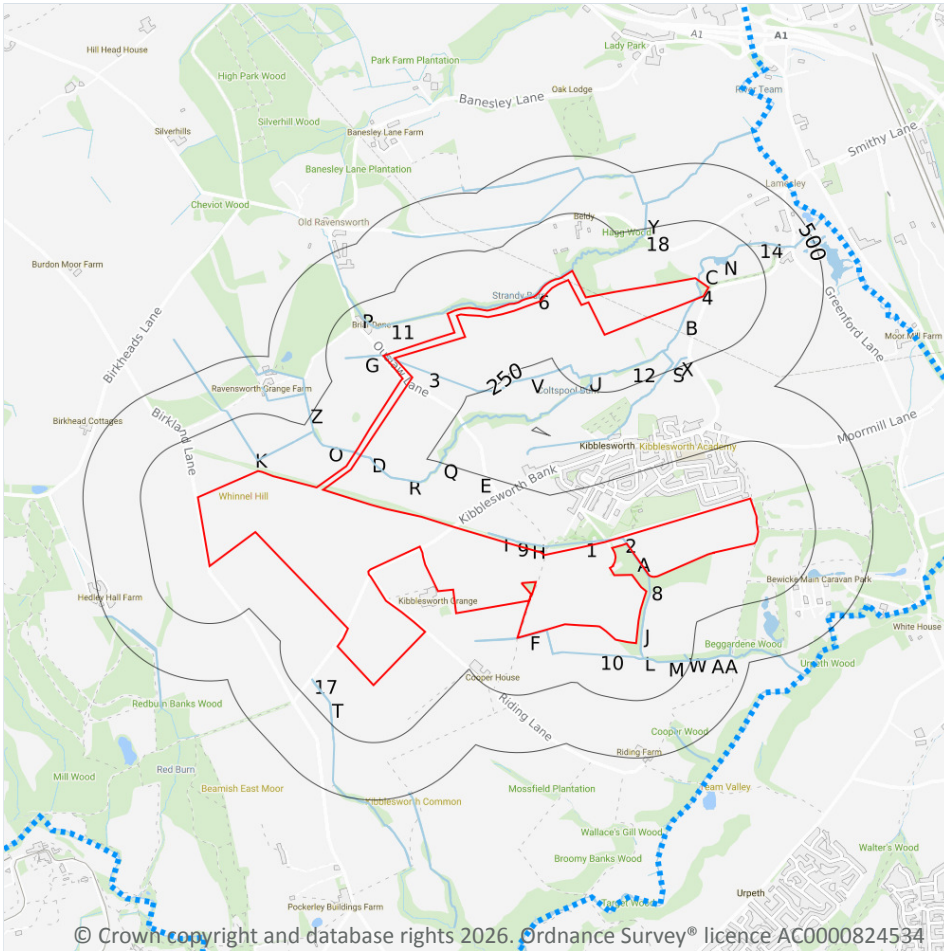
0

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

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



6 Hydrology



6.1 Water Network (OS MasterMap)

Records within 250m

53

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

Features are displayed on the Hydrology map on [page 65 >](#)

ID	Location	Type of water feature	Ground level	Permanence	Name
1	On site	Inland river not influenced by normal tidal action.	Not provided	Watercourse contains water year round (in normal circumstances)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
2	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
3	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
4	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	Coltspool Burn
A	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
B	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Coltspool Burn
C	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Coltspool Burn
D	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Coltspool Burn
6	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Strandy Burn
F	2m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
8	3m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
G	10m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
9	16m N	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
H	16m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-



ID	Location	Type of water feature	Ground level	Permanence	Name
I	17m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
J	18m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
K	47m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
L	60m SE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
10	61m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
L	61m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
L	67m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
L	75m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
L	76m SE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
M	76m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
O	116m NW	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	Coltspool Burn
N	119m NE	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	Coltspool Burn
11	121m N	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	Strandy Burn



ID	Location	Type of water feature	Ground level	Permanence	Name
P	121m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Strandy Burn
O	123m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Coltspool Burn
Q	142m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Coltspool Burn
R	142m N	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	Coltspool Burn
12	158m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Coltspool Burn
S	160m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
14	161m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Coltspool Burn
O	169m N	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
O	173m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
17	178m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
T	180m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
U	187m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
U	189m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Coltspool Burn



ID	Location	Type of water feature	Ground level	Permanence	Name
O	197m NW	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	Coltspool Burn
V	198m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
O	202m NW	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
O	202m NW	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	Coltspool Burn
O	206m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Coltspool Burn
U	212m SW	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
W	214m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
O	215m NW	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	Coltspool Burn
X	219m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
18	220m N	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	Strandy Burn
Y	223m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Strandy Burn
Z	226m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Coltspool Burn
AA	243m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

This data is sourced from the Ordnance Survey®.



6.2 Surface water features

Records within 250m

30

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 65 >](#)

This data is sourced from the Ordnance Survey®.

6.3 WFD Surface water body catchments

Records on site

1

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

Features are displayed on the Hydrology map on [page 65 >](#)

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
E	On site	River	Team from Source to Tyne	GB103023075670	Tyne Lower and Estuary	Tyne

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

6.4 WFD Surface water bodies

Records identified

1

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

Features are displayed on the Hydrology map on [page 65 >](#)

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
39	448m SE	River	Team from Source to Tyne	GB103023075670 ↗	Moderate	Fail	Moderate	2019



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

6.5 WFD Groundwater bodies

Records on site	1
------------------------	----------

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

Features are displayed on the Hydrology map on [page 65 >](#)

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
E	On site	Tyne Carboniferous Limestone and Coal Measures	GB40302G701500 ↗	Poor	Poor	Good	2019

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

7 River and coastal flooding

7.1 Risk of flooding from rivers and the sea

Records within 50m

0

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

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

7.2 Historical Flood Events

Records within 250m

0

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

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

7.3 Flood Defences

Records within 250m

0

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

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



7.4 Areas Benefiting from Flood Defences

Records within 250m

0

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

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

7.5 Flood Storage Areas

Records within 250m

0

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

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



River and coastal flooding - Flood Zones

7.6 Flood Zone 2

Records within 50m

0

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

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

7.7 Flood Zone 3

Records within 50m

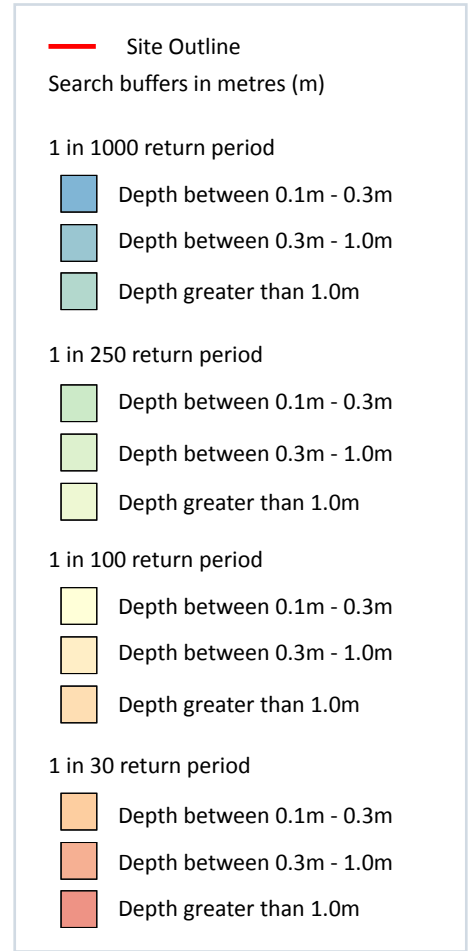
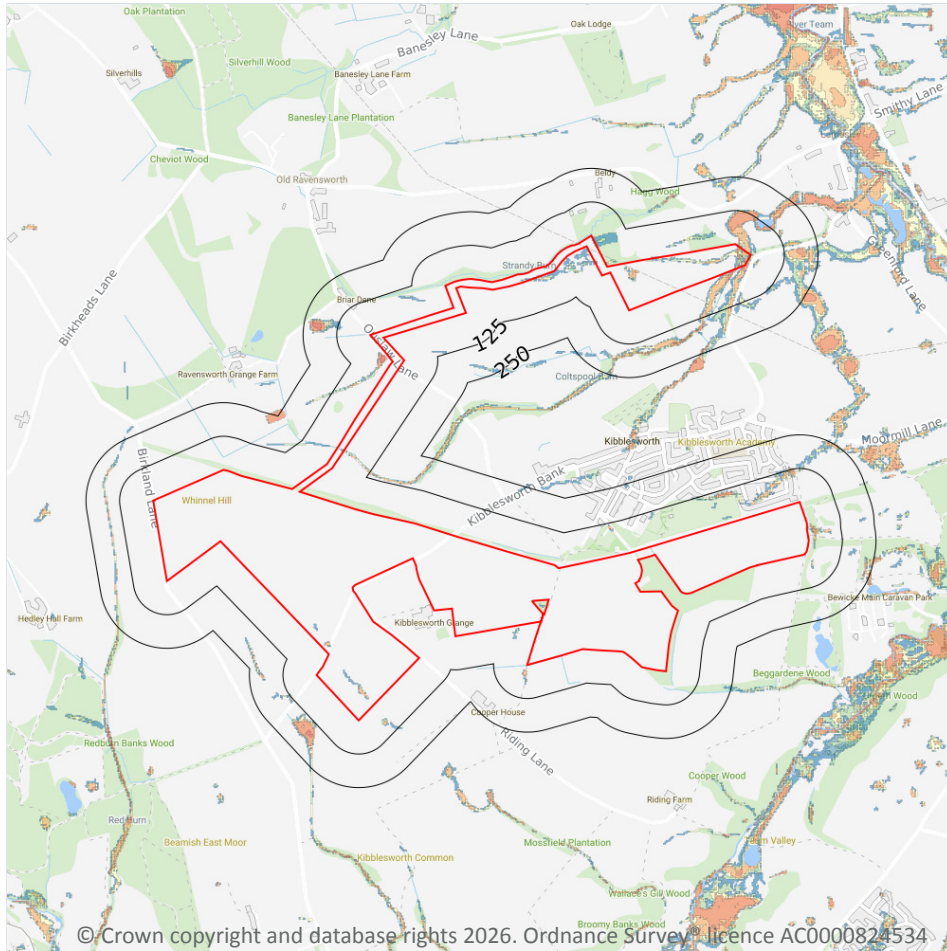
0

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

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



8 Surface water flooding



8.1 Surface water flooding

Highest risk on site

1 in 30 year, 0.3m - 1.0m

Highest risk within 50m

1 in 30 year, Greater than 1.0m

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

Features are displayed on the Surface water flooding map on [page 75 >](#)

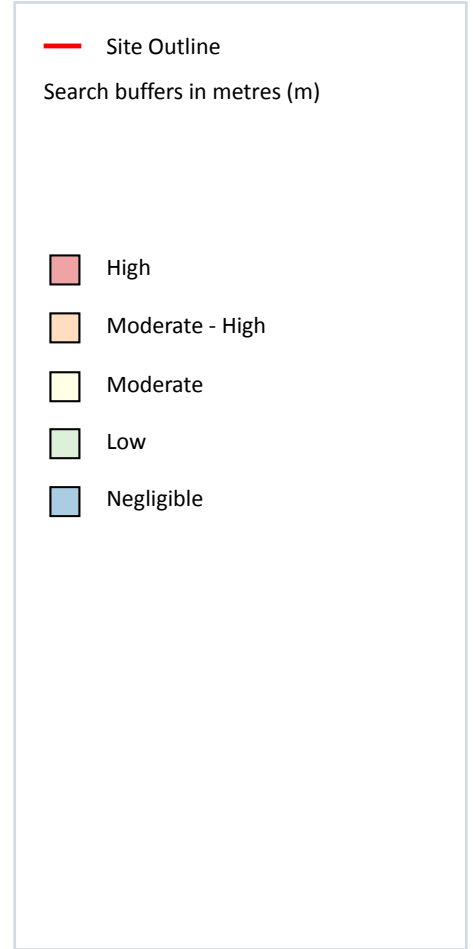
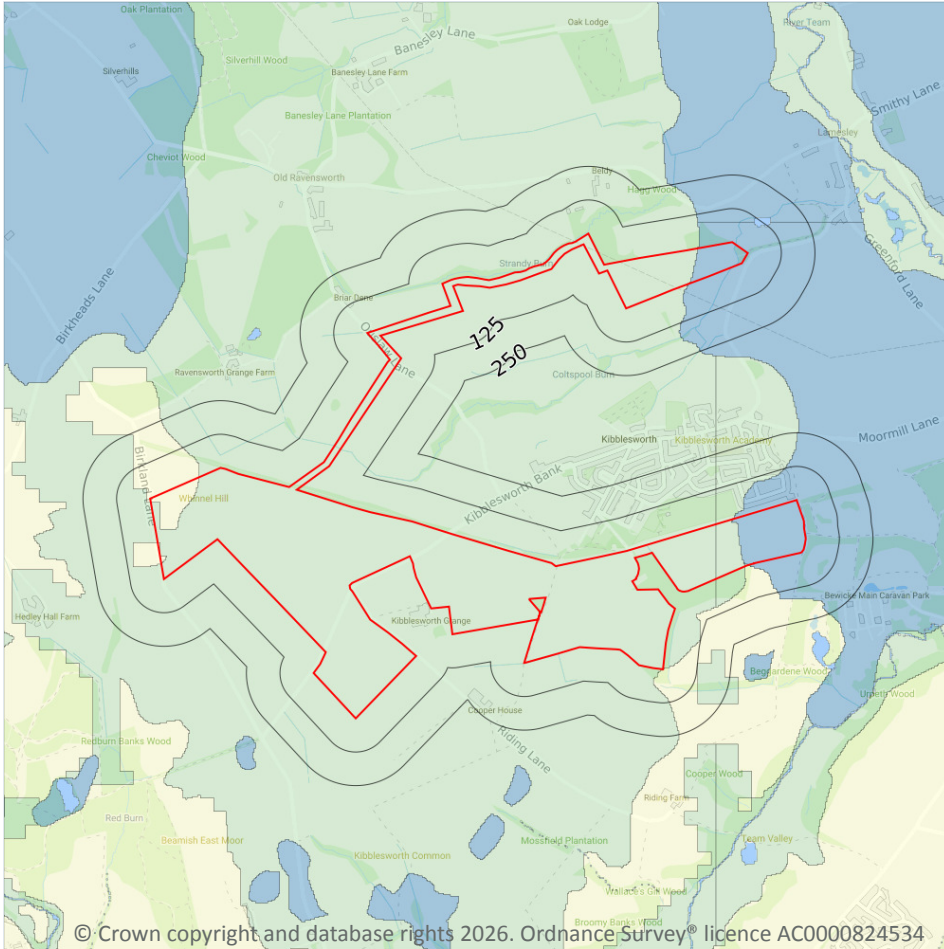
The data shown on the map and in the table above shows the highest likelihood of flood events happening at the site. Lower likelihood events may have greater flood depths and hence a greater potential impact on a site.

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

Return period	Maximum modelled depth
1 in 1000 year	Between 0.3m and 1.0m
1 in 250 year	Between 0.3m and 1.0m
1 in 100 year	Between 0.3m and 1.0m
1 in 30 year	Between 0.3m and 1.0m

This data is sourced from Ambiental Risk Analytics.

9 Groundwater flooding



9.1 Groundwater flooding

Highest risk on site

Moderate

Highest risk within 50m

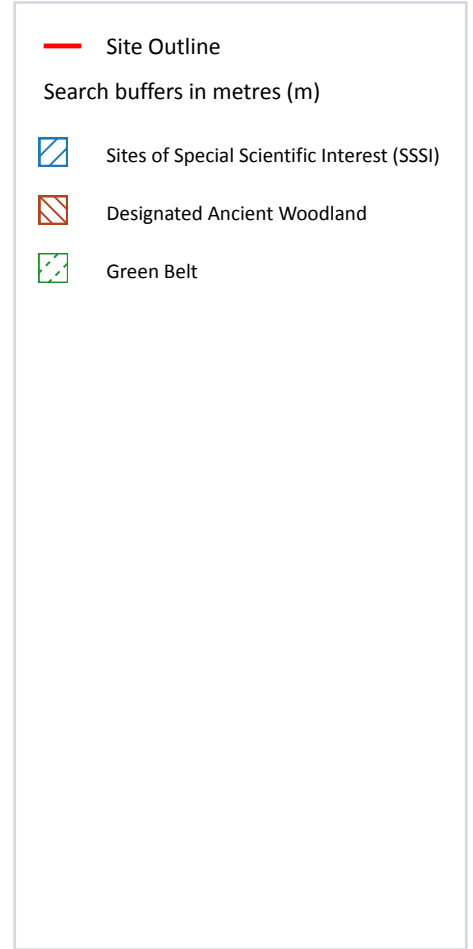
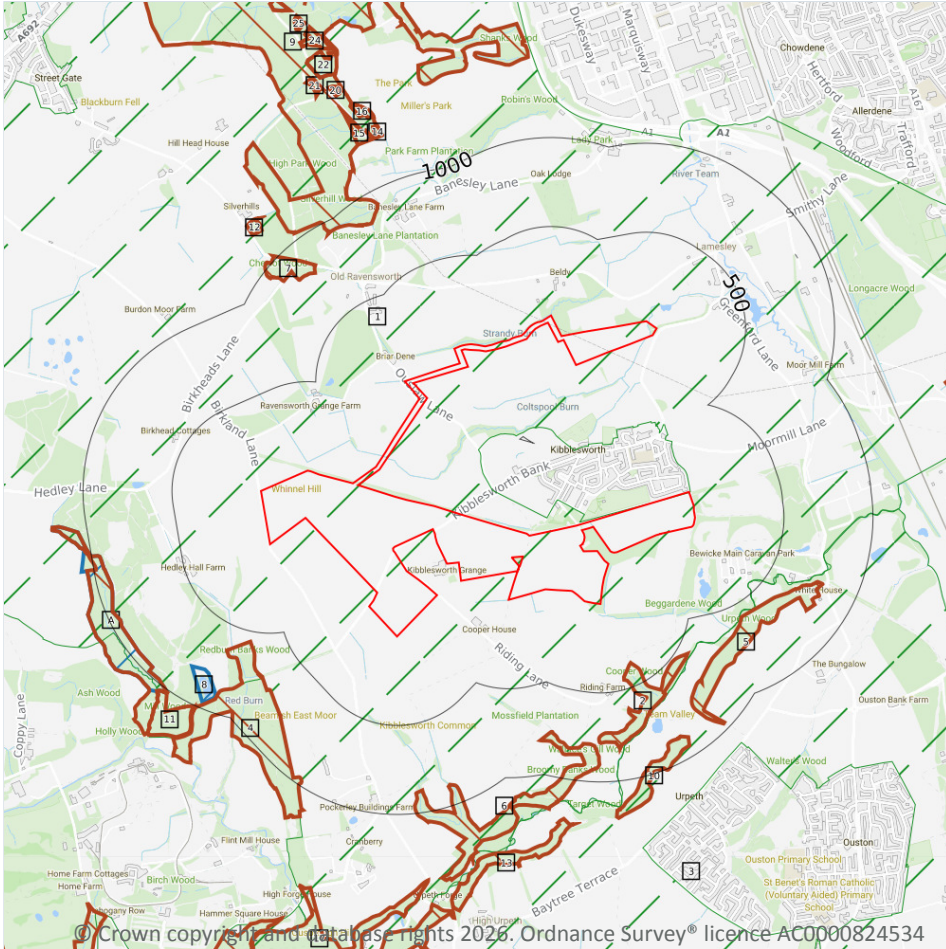
Moderate

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 77 >](#)

This data is sourced from Ambiental Risk Analytics.

10 Environmental designations



10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m

3

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 78](#) >

ID	Location	Name	Data source
8	793m SW	Pockerley Farm Pond SSSI	Natural England

ID	Location	Name	Data source
A	920m W	Ridley Gill SSSI	Natural England
-	1803m W	Causey Bank Mires SSSI	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

0

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.

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

10.7 Designated Ancient Woodland

Records within 2000m

22

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 78 >](#)

ID	Location	Name	Woodland Type
2	372m SE	Greenburn Howl	Ancient & Semi-Natural Woodland
4	558m S	Pockerley Hill Wood	Ancient Replanted Woodland
5	578m SE	Urpeth Wood	Ancient & Semi-Natural Woodland
6	756m S	Greenburn Howl	Ancient & Semi-Natural Woodland
7	790m NW	Hill Head Wood	Ancient Replanted Woodland
9	844m NW	Hill Head Wood	Ancient Replanted Woodland
10	868m SE	Target Wood	Ancient Replanted Woodland
A	920m W	Pockerley Hill Wood	Ancient & Semi-Natural Woodland
11	1004m SW	Pockerley Hill Wood	Ancient Replanted Woodland
12	1168m NW	Hill Head Wood	Ancient Replanted Woodland
13	1223m S	Greenburn Howl	Ancient & Semi-Natural Woodland
14	1263m N	Hill Head Wood	Ancient & Semi-Natural Woodland
15	1264m NW	Hill Head Wood	Ancient & Semi-Natural Woodland
16	1377m N	Hill Head Wood	Ancient & Semi-Natural Woodland



ID	Location	Name	Woodland Type
17	1381m S	Heughs Plantation	Ancient Replanted Woodland
18	1519m S	Heughs Plantation	Ancient Replanted Woodland
19	1568m NE	Unknown	Ancient & Semi-Natural Woodland
20	1569m NW	Hill Head Wood	Ancient & Semi-Natural Woodland
21	1619m NW	Hill Head Wood	Ancient & Semi-Natural Woodland
22	1683m NW	Hill Head Wood	Ancient & Semi-Natural Woodland
24	1820m NW	Hill Head Wood	Ancient & Semi-Natural Woodland
25	1995m NW	Hill Head 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

2

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

Features are displayed on the Environmental designations map on [page 78 >](#)

ID	Location	Name	Local Authority name
1	On site	Tyne and Wear Green Belt	Gateshead
3	448m SE	Tyne and Wear Green Belt	County Durham

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

4

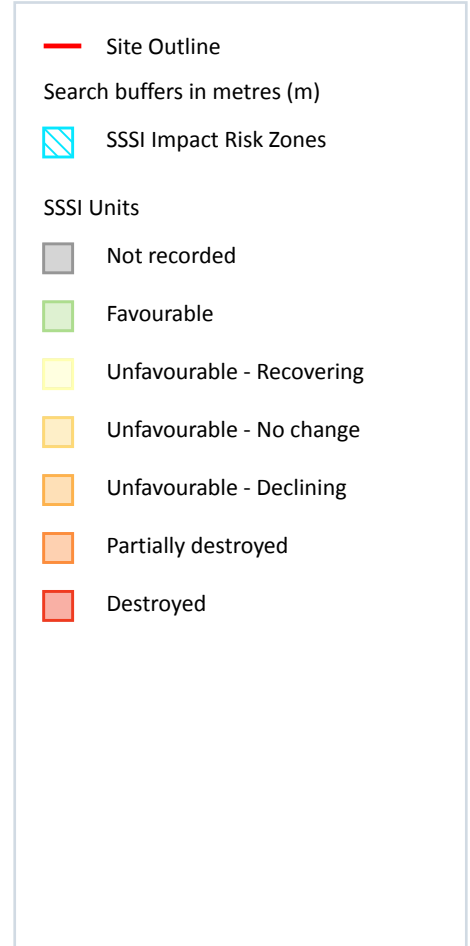
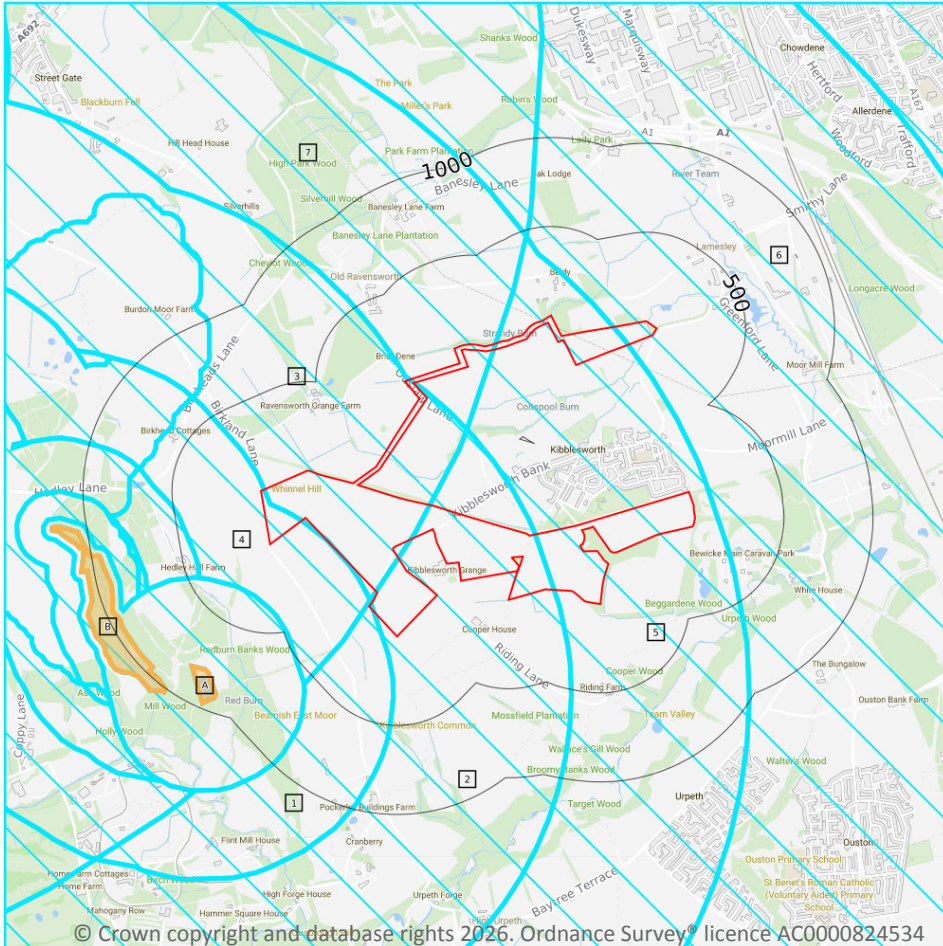
Areas at risk from agricultural nitrate pollution designated under the EC Nitrate Directive (91/676/EEC). These are areas of land that drain into waters polluted by nitrates. Farmers operating within these areas have to follow mandatory rules to tackle nitrate loss from agriculture.

Location	Name	Type	NVZ ID	Status
On site	Team from Source to Tyne NVZ	Surface Water	234	Existing
On site	Team from Source to Tyne NVZ	Surface Water	234	Existing
On site	Team from Source to Tyne NVZ	Surface Water	234	Existing
On site	Team from Source to Tyne NVZ	Surface Water	234	Existing

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



SSSI Impact Zones and Units



10.17 SSSI Impact Risk Zones

Records on site

7

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 84](#) >

ID	Location	Type of developments requiring consultation
1	On site	https://irz.geodata.org.uk/IRZ/step2.html?irzcode=0101054322201&notes=&location=422977,555139%20(IRZ%20polygon%20centre)
2	On site	https://irz.geodata.org.uk/IRZ/step2.html?irzcode=0101000322302&notes=&location=423750,555117%20(IRZ%20polygon%20centre)

ID	Location	Type of developments requiring consultation
3	On site	https://irz.geodata.org.uk/IRZ/step2.html?irzcode=4101000322302&notes=&location=419248,556194%20(IRZ%20polygon%20centre)
4	On site	https://irz.geodata.org.uk/IRZ/step2.html?irzcode=4101054322201&notes=&location=422523,556260%20(IRZ%20polygon%20centre)
5	On site	https://irz.geodata.org.uk/IRZ/step2.html?irzcode=0301000500000&notes=&location=423064,552743%20(IRZ%20polygon%20centre)
6	On site	https://irz.geodata.org.uk/IRZ/step2.html?irzcode=0300000500000&notes=&location=424348,562794%20(IRZ%20polygon%20centre)
7	On site	https://irz.geodata.org.uk/IRZ/step2.html?irzcode=4301000500000&notes=&location=422420,562164%20(IRZ%20polygon%20centre)

This data is sourced from Natural England.

10.18 SSSI Units

Records within 2000m

4

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 84 >](#)

ID: A
 Location: 793m SW
 SSSI name: Pockerley Farm Pond
 Unit name: 1
 Broad habitat: Fen, Marsh And Swamp - Lowland
 Condition: Unfavourable - Declining
 Reportable features:

Feature name	Feature condition	Date of assessment
Amphibian assemblage	Unfavourable - Declining	10/06/2010
Ponds	Unfavourable - Recovering	23/07/2009

ID: B
 Location: 920m W
 SSSI name: Ridley Gill
 Unit name: 1
 Broad habitat: Broadleaved, Mixed And Yew Woodland - Lowland
 Condition: Unfavourable - Declining



Reportable features:

Feature name	Feature condition	Date of assessment
Upland mixed ashwoods	Unfavourable - Declining	12/08/2021
Wet woodland	Unfavourable - Declining	12/08/2021

ID: -
 Location: 1803m W
 SSSI name: Causey Bank Mires
 Unit name: Woodland
 Broad habitat: Broadleaved, Mixed And Yew Woodland - Lowland
 Condition: Favourable
 Reportable features:

Feature name	Feature condition	Date of assessment
Wet woodland	Favourable	01/10/2010

ID: -
 Location: 1814m W
 SSSI name: Causey Bank Mires
 Unit name: Flushes
 Broad habitat: Fen, Marsh And Swamp - Lowland
 Condition: Favourable
 Reportable features:

Feature name	Feature condition	Date of assessment
Spring/flush fen (lowland)	Favourable	20/06/2018

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



11 Visual and cultural designations

11.1 World Heritage Sites

Records within 250m

0

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

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

11.2 Area of Outstanding Natural Beauty

Records within 250m

0

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

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

11.3 National Parks

Records within 250m

0

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

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

11.4 Listed Buildings

Records within 250m

0

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



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

11.5 Conservation Areas

Records within 250m

0

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

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

11.6 Scheduled Ancient Monuments

Records within 250m

0

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

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

11.7 Registered Parks and Gardens

Records within 250m

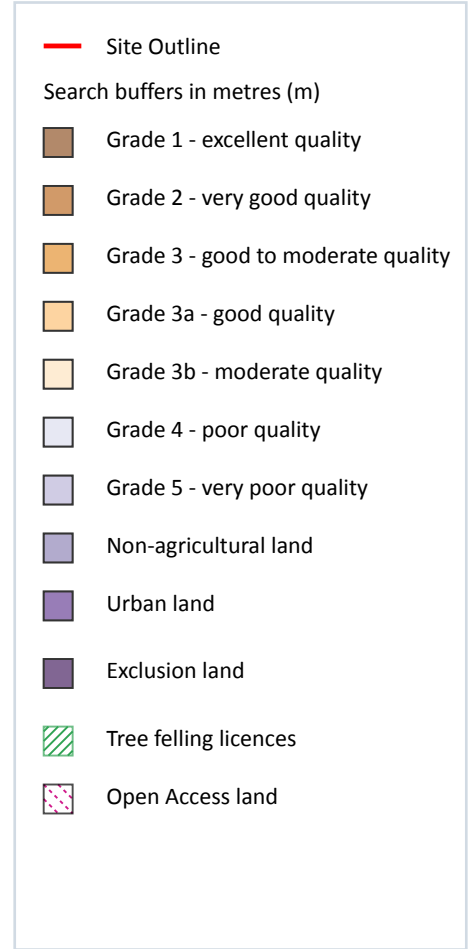
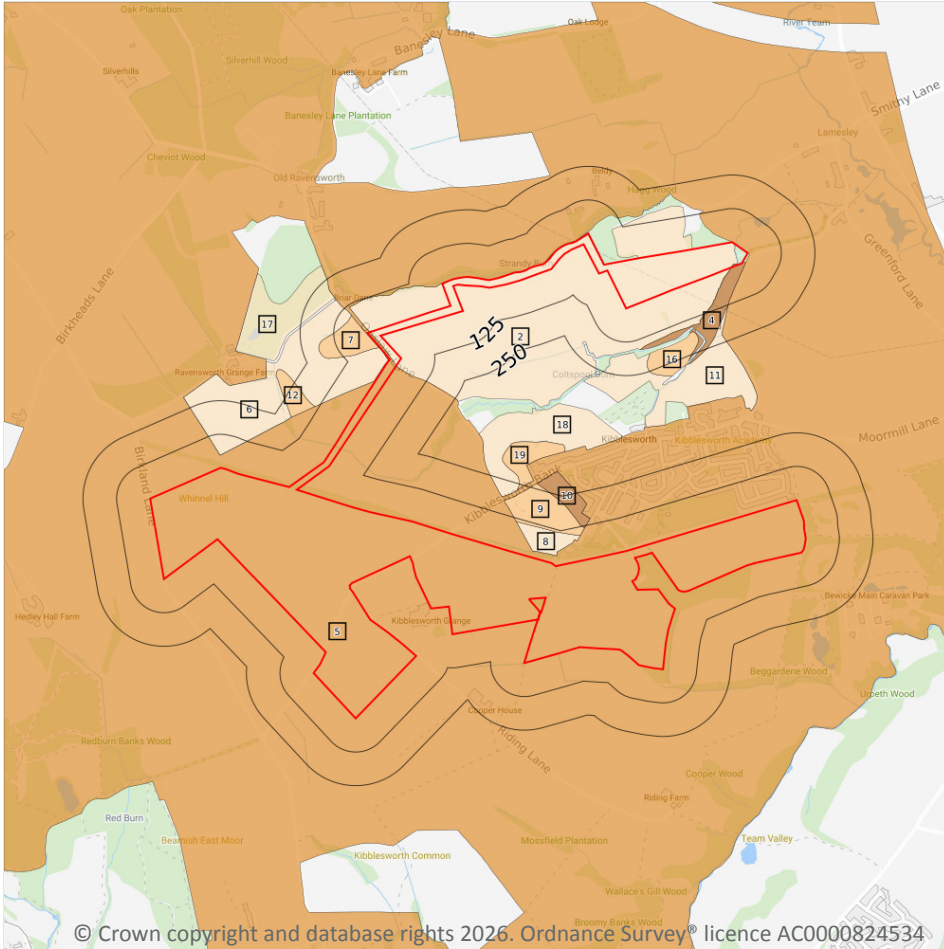
0

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

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



12 Agricultural designations



12.1 Agricultural Land Classification

Records within 250m

14

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 89](#) >

ID	Location	Classification	Description
2	On site	Grade 3b	Moderate quality agricultural land. Land capable of producing moderate yields of a narrow range of crops, principally cereals and grass or lower yields of a wider range of crops or high yields of grass which can be grazed or harvested over most of the year.

ID	Location	Classification	Description
4	On site	Grade 2	Very good quality agricultural land. Land with minor limitations which affect crop yield, cultivations or harvesting. A wide range of agricultural and horticultural crops can usually be grown but on some land in the grade there may be reduced flexibility due to difficulties with the production of the more demanding crops such as winter harvested vegetables and arable root crops. The level of yield is generally high but may be lower or more variable than Grade 1.
5	On site	Grade 3	Good to moderate quality agricultural land. Land with moderate limitations which affect the choice of crops, timing and type of cultivation, harvesting or the level of yield. Where more demanding crops are grown yields are generally lower or more variable than on land in Grades 1 and 2.
6	2m NW	Grade 3b	Moderate quality agricultural land. Land capable of producing moderate yields of a narrow range of crops, principally cereals and grass or lower yields of a wider range of crops or high yields of grass which can be grazed or harvested over most of the year.
7	3m SW	Grade 3a	Good quality agricultural land. Land capable of consistently producing moderate to high yields of a narrow range of arable crops, especially cereals, or moderate yields of a wide range of crops including cereals, grass, oilseed rape, potatoes, sugar beet and the less demanding horticultural crops.
8	24m N	Grade 3b	Moderate quality agricultural land. Land capable of producing moderate yields of a narrow range of crops, principally cereals and grass or lower yields of a wider range of crops or high yields of grass which can be grazed or harvested over most of the year.
9	92m N	Grade 3a	Good quality agricultural land. Land capable of consistently producing moderate to high yields of a narrow range of arable crops, especially cereals, or moderate yields of a wide range of crops including cereals, grass, oilseed rape, potatoes, sugar beet and the less demanding horticultural crops.
10	118m N	Grade 2	Very good quality agricultural land. Land with minor limitations which affect crop yield, cultivations or harvesting. A wide range of agricultural and horticultural crops can usually be grown but on some land in the grade there may be reduced flexibility due to difficulties with the production of the more demanding crops such as winter harvested vegetables and arable root crops. The level of yield is generally high but may be lower or more variable than Grade 1.
11	130m S	Grade 3b	Moderate quality agricultural land. Land capable of producing moderate yields of a narrow range of crops, principally cereals and grass or lower yields of a wider range of crops or high yields of grass which can be grazed or harvested over most of the year.
12	139m NW	Grade 3a	Good quality agricultural land. Land capable of consistently producing moderate to high yields of a narrow range of arable crops, especially cereals, or moderate yields of a wide range of crops including cereals, grass, oilseed rape, potatoes, sugar beet and the less demanding horticultural crops.
16	172m S	Grade 3a	Good quality agricultural land. Land capable of consistently producing moderate to high yields of a narrow range of arable crops, especially cereals, or moderate yields of a wide range of crops including cereals, grass, oilseed rape, potatoes, sugar beet and the less demanding horticultural crops.



ID	Location	Classification	Description
17	180m NW	Grade 3b	Moderate quality agricultural land. Land capable of producing moderate yields of a narrow range of crops, principally cereals and grass or lower yields of a wider range of crops or high yields of grass which can be grazed or harvested over most of the year.
18	187m N	Grade 3b	Moderate quality agricultural land. Land capable of producing moderate yields of a narrow range of crops, principally cereals and grass or lower yields of a wider range of crops or high yields of grass which can be grazed or harvested over most of the year.
19	227m N	Grade 3a	Good quality agricultural land. Land capable of consistently producing moderate to high yields of a narrow range of arable crops, especially cereals, or moderate yields of a wide range of crops including cereals, grass, oilseed rape, potatoes, sugar beet and the less demanding horticultural crops.

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

1

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.

Location	Reference	Scheme	Start Date	End date
On site	AG00572971	Higher Level Stewardship	01/10/2011	30/09/2021



This data is sourced from Natural England.

12.5 Countryside Stewardship Schemes

Records within 250m

7

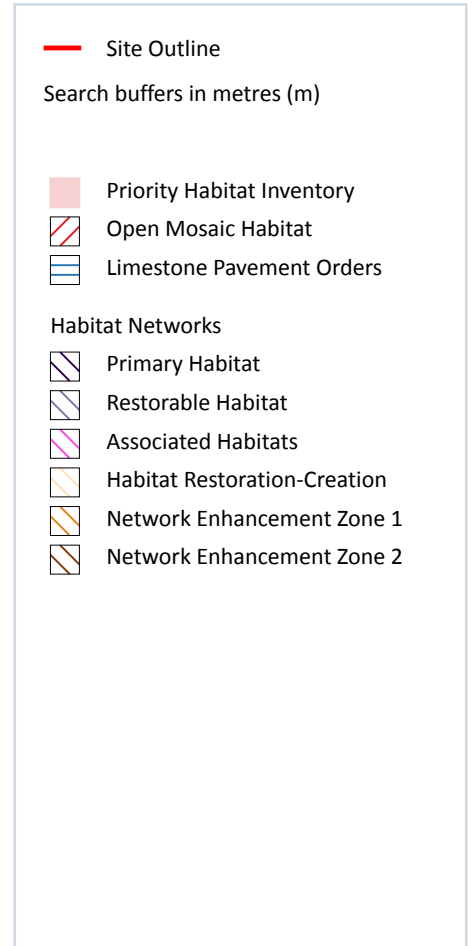
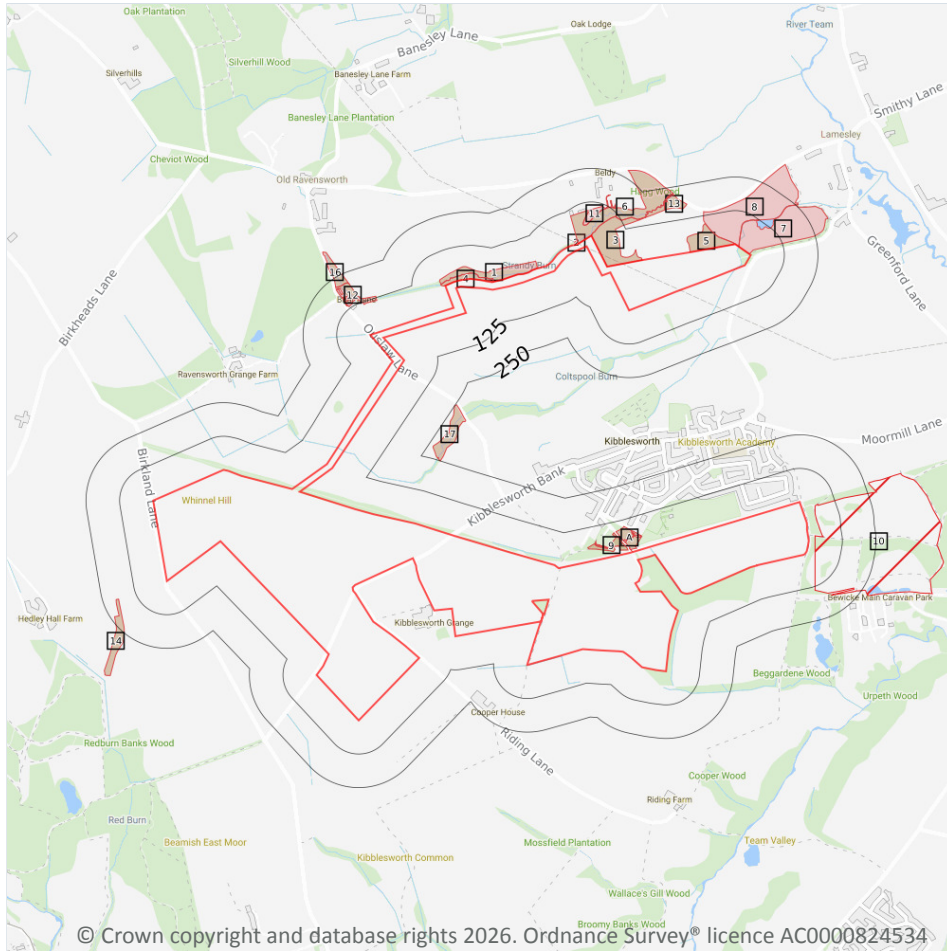
Countryside Stewardship covers a range of schemes that provide financial incentives to farmers, foresters and land managers to look after and improve the environment. Main objectives are to improve the farmed environment for wildlife and to reduce diffuse water pollution.

Location	Reference	Scheme	Start Date	End Date
On site	1262168	Countryside Stewardship (Middle Tier)	01/01/2022	31/12/2026
On site	1453480	Countryside Stewardship (Middle Tier)	01/01/2023	31/12/2027
On site	1233291	Countryside Stewardship (Higher Tier)	01/01/2022	31/12/2031
9m N	1663776	Woodland Management Plan	01/02/2024	31/01/2027
17m NW	1262168	Countryside Stewardship (Middle Tier)	01/01/2022	31/12/2026
63m S	1458517	Countryside Stewardship (Middle Tier)	01/01/2023	31/12/2027
114m N	1681814	Countryside Stewardship (Higher Tier)	01/01/2024	31/12/2026

This data is sourced from Natural England.



13 Habitat designations



13.1 Priority Habitat Inventory

Records within 250m

18

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 93](#) >

ID	Location	Main Habitat	Other habitats
1	On site	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
2	On site	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
3	On site	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
4	On site	Deciduous woodland	Main habitat: DWOOD (INV > 50%)

ID	Location	Main Habitat	Other habitats
5	On site	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
6	On site	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
7	On site	Good quality semi-improved grassland	Main habitat: GQSIG (FEP + HLS)
8	On site	Good quality semi-improved grassland	Main habitat: GQSIG (FEP + HLS)
A	7m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
9	12m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
A	43m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
11	44m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
12	114m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
13	164m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
14	192m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
15	199m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
16	207m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
17	250m N	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

1

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

Features are displayed on the Habitat designations map on [page 93 >](#)



ID	Location	Site reference	Identification confidence	Primary source	Secondary source	Tertiary source
10	23m E	BRITPITS ref: 2016	Low	British Geological Survey BRITPITS database	Environment Agency Historic Landfill Sites	UK Perspectives Aerial Photography

This data is sourced from Natural England.

13.4 Limestone Pavement Orders

Records within 250m

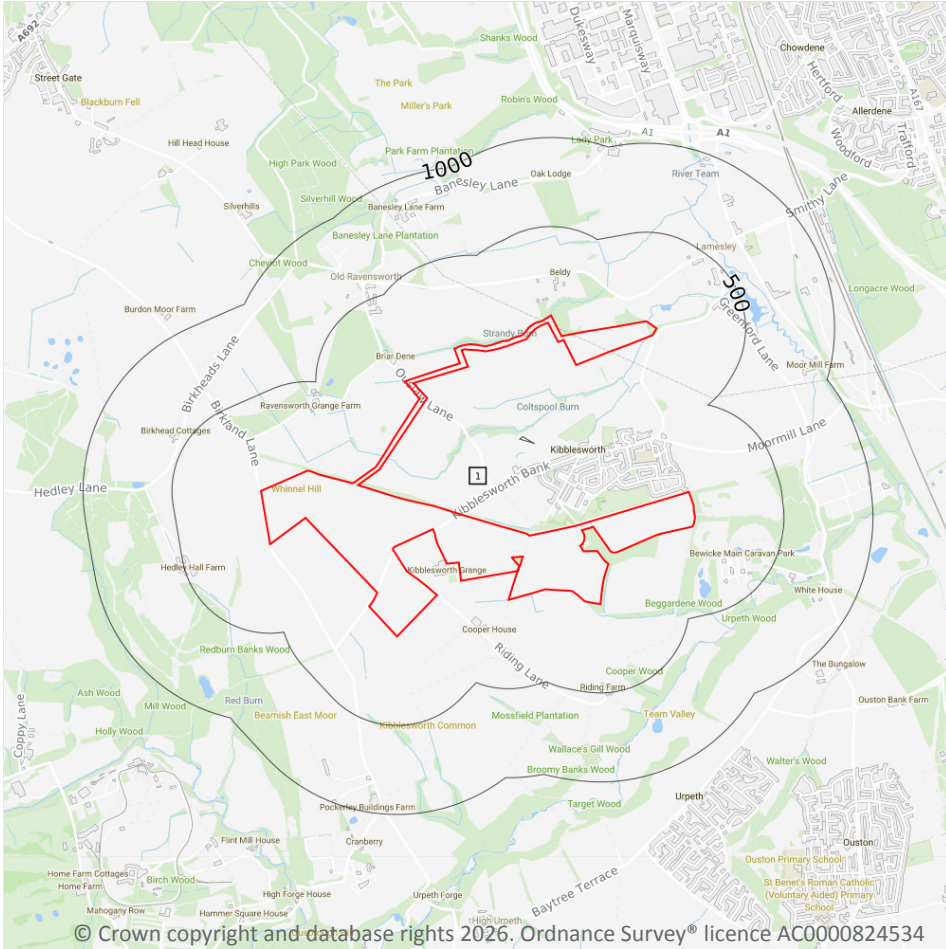
0

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

This data is sourced from Natural England.



14 Geology 1:10,000 scale - Availability



— Site Outline
Search buffers in metres (m)

- Full coverage
- Partial coverage
- No coverage

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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 96](#) >

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

This data is sourced from the British Geological Survey.



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

14.2 Artificial and made ground (10k)

Records within 500m

0

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

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Superficial

14.3 Superficial geology (10k)

Records within 500m

0

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

This data is sourced from the British Geological Survey.

14.4 Landslip (10k)

Records within 500m

0

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

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Bedrock

14.5 Bedrock geology (10k)

Records within 500m

0

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.

This data is sourced from the British Geological Survey.

14.6 Bedrock faults and other linear features (10k)

Records within 500m

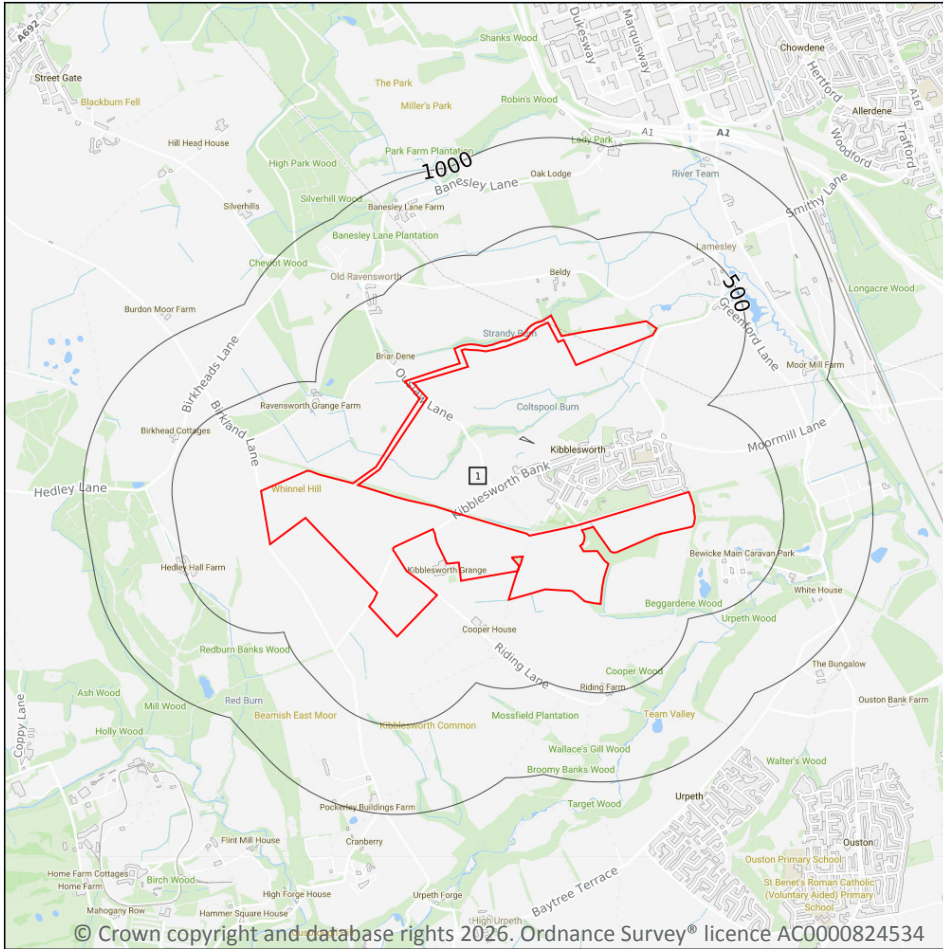
0

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

This data is sourced from the British Geological Survey.



15 Geology 1:50,000 scale - Availability



Site Outline

Search buffers in metres (m)

Geological map tile

15.1 50k Availability

Records within 500m

1

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

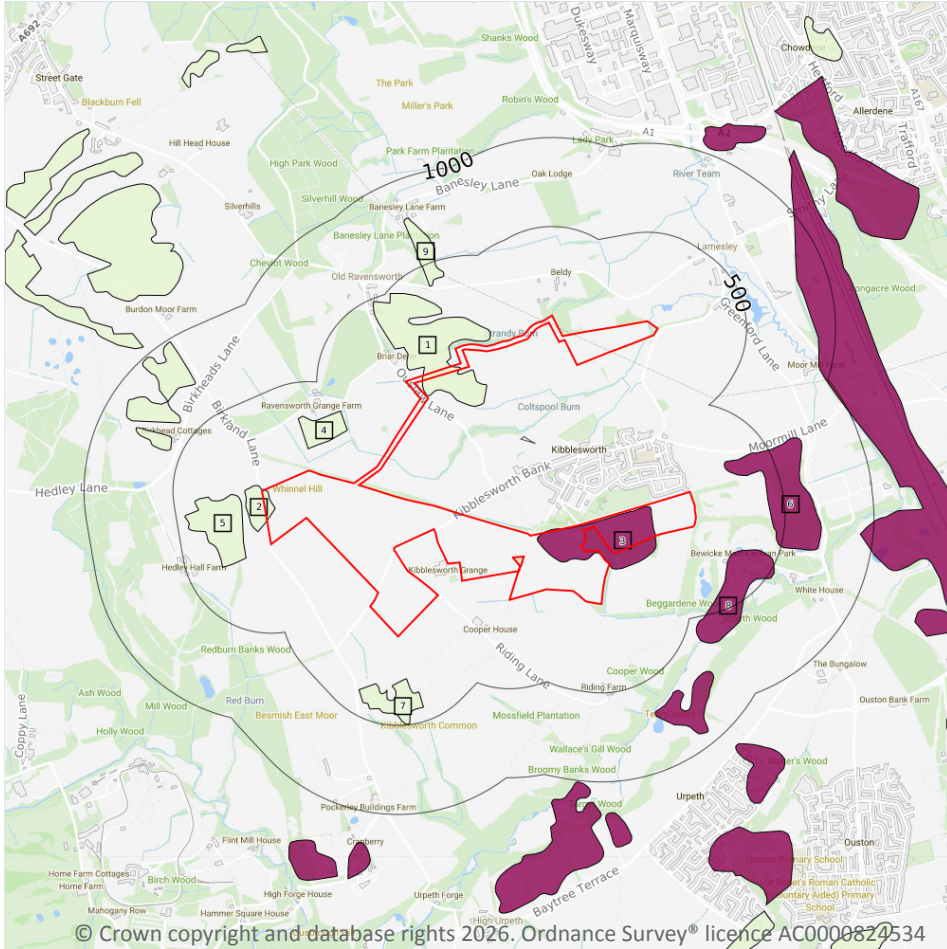
Features are displayed on the Geology 1:50,000 scale - Availability map on [page 100](#) >

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	Full	EW020_newcastle_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

9

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 101](#) >

ID	Location	LEX Code	Description	Rock description
1	On site	WMGR-ARTDP	Infilled Ground	Artificial deposit
2	On site	WMGR-ARTDP	Infilled Ground	Artificial deposit
3	On site	MGR-ARTDP	Made Ground	Artificial deposit
4	123m N	WMGR-ARTDP	Infilled Ground	Artificial deposit



ID	Location	LEX Code	Description	Rock description
5	125m W	WMGR-ARTDP	Infilled Ground	Artificial deposit
6	239m NE	MGR-ARTDP	Made Ground	Artificial deposit
7	243m S	WMGR-ARTDP	Infilled Ground	Artificial deposit
8	266m SE	MGR-ARTDP	Made Ground	Artificial deposit
9	377m 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

3

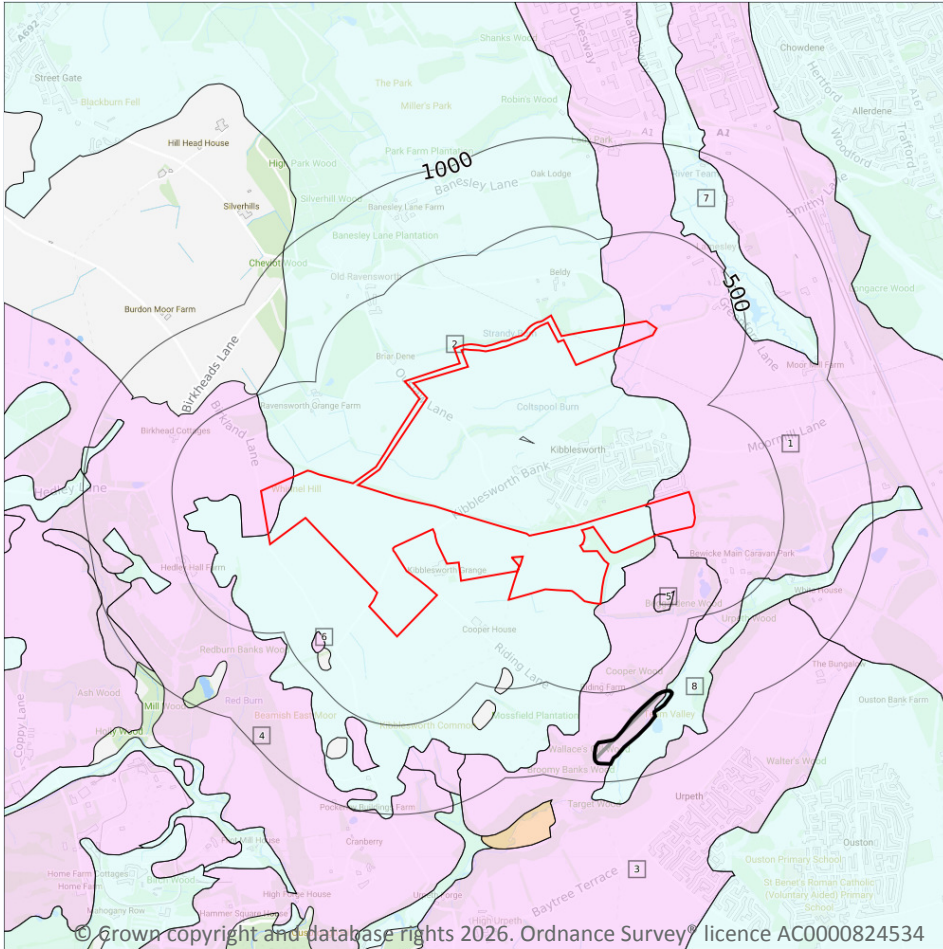
A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any artificial deposits (the zone between the land surface and the water table).

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

This data is sourced from the British Geological Survey.



Geology 1:50,000 scale - Superficial



- Site Outline
- Search buffers in metres (m)
- Landslip (50k)
- Superficial geology (50k)
Please see table for more details.

15.4 Superficial geology (50k)

Records within 500m

8

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

Features are displayed on the Geology 1:50,000 scale - Superficial map on [page 103](#) >

ID	Location	LEX Code	Description	Rock description
1	On site	GLLDD-XCZ	Glaciolacustrine deposits, Devensian	Clay and silt
2	On site	TILLD-DMTN	Till, Devensian	Diamicton
3	On site	GFDUD-XSV	Glaciofluvial deposits, Devensian	Sand and gravel



ID	Location	LEX Code	Description	Rock description
4	On site	GFDUD-XSV	Glaciofluvial deposits, Devensian	Sand and gravel
5	299m E	GLLDD-XCZ	Glaciolacustrine deposits, Devensian	Clay and silt
6	312m SW	GFDUD-XSV	Glaciofluvial deposits, Devensian	Sand and gravel
7	445m E	ALV-XCZSV	Alluvium	Clay, silt, sand and gravel
8	455m SE	ALV-XCZSV	Alluvium	Clay, silt, sand and gravel

This data is sourced from the British Geological Survey.

15.5 Superficial permeability (50k)

Records within 50m

5

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

Location	Flow type	Maximum permeability	Minimum permeability
On site	Mixed	Low	Very Low
On site	Mixed	High	Low
On site	Intergranular	Very High	High
On site	Intergranular	Very High	High
23m E	Mixed	Low	Very Low

This data is sourced from the British Geological Survey.

15.6 Landslip (50k)

Records within 500m

0

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

This data is sourced from the British Geological Survey.



15.7 Landslip permeability (50k)

Records within 50m

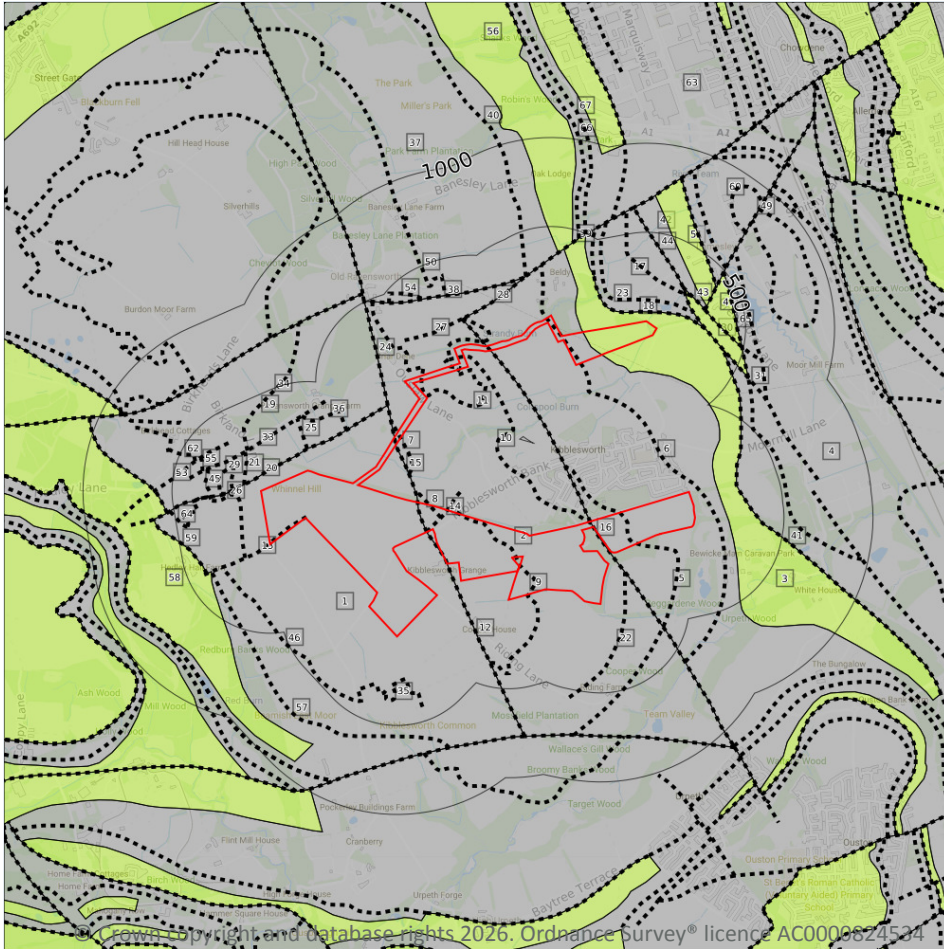
0

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

This data is sourced from the British Geological Survey.



Geology 1:50,000 scale - Bedrock



- Site Outline
- Search buffers in metres (m)
- Bedrock faults and other linear features (50k)
- Bedrock geology (50k)
- Please see table for more details.

15.8 Bedrock geology (50k)

Records within 500m

15

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 106 >](#)

ID	Location	LEX Code	Description	Rock age
1	On site	PMCM-MDSS	Pennine Middle Coal Measures Formation-Mudstone, siltstone and sandstone	Westphalian
2	On site	PMCM-MDSS	Pennine Middle Coal Measures Formation-Mudstone, siltstone and sandstone	Westphalian



ID	Location	LEX Code	Description	Rock age
3	On site	PMCM-SDST	Pennine Middle Coal Measures Formation-Sandstone	Westphalian
4	On site	PMCM-MDSS	Pennine Middle Coal Measures Formation-Mudstone, siltstone and sandstone	Westphalian
17	52m N	PMCM-MDSS	Pennine Middle Coal Measures Formation-Mudstone, siltstone and sandstone	Westphalian
19	75m NW	PMCM-MDSS	Pennine Middle Coal Measures Formation-Mudstone, siltstone and sandstone	Westphalian
30	222m NE	PMCM-SDST	Pennine Middle Coal Measures Formation-Sandstone	Westphalian
37	261m NW	PMCM-MDSS	Pennine Middle Coal Measures Formation-Mudstone, siltstone and sandstone	Westphalian
42	269m NE	PMCM-MDSS	Pennine Middle Coal Measures Formation-Mudstone, siltstone and sandstone	Westphalian
47	291m E	PMCM-SDST	Pennine Middle Coal Measures Formation-Sandstone	Westphalian
51	306m NE	PMCM-SDST	Pennine Middle Coal Measures Formation-Sandstone	Westphalian
56	355m N	PMCM-SDST	Pennine Middle Coal Measures Formation-Sandstone	Westphalian
58	365m SW	PMCM-SDST	Pennine Middle Coal Measures Formation-Sandstone	Westphalian
60	404m NE	PMCM-MDSS	Pennine Middle Coal Measures Formation-Mudstone, siltstone and sandstone	Westphalian
63	425m N	PMCM-MDSS	Pennine Middle Coal Measures Formation-Mudstone, siltstone and sandstone	Westphalian

This data is sourced from the British Geological Survey.

15.9 Bedrock permeability (50k)

Records within 50m

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
23m E	Fracture	Moderate	Low

This data is sourced from the British Geological Survey.



15.10 Bedrock faults and other linear features (50k)

Records within 500m

52

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 106](#) >

ID	Location	Category	Description
5	On site	ROCK	Coal seam, inferred
6	On site	ROCK	Coal seam, inferred
7	On site	ROCK	Coal seam, inferred
8	On site	ROCK	Coal seam, inferred
9	On site	ROCK	Coal seam, inferred
10	On site	ROCK	Coal seam, inferred
11	On site	ROCK	Coal seam, observed
12	On site	FAULT	Fault, inferred, displacement unknown
13	On site	FAULT	Fault, inferred, displacement unknown
14	On site	FAULT	Fault, inferred, displacement unknown
15	On site	FAULT	Fault, inferred, displacement unknown
16	On site	FAULT	Fault, inferred, displacement unknown
18	52m N	ROCK	Coal seam, inferred
20	75m NW	FAULT	Fault, inferred, displacement unknown
21	102m W	ROCK	Coal seam, inferred
22	103m E	ROCK	Coal seam, inferred
23	119m N	ROCK	Coal seam, inferred
24	121m W	FAULT	Fault, inferred, displacement unknown
25	123m N	ROCK	Coal seam, observed
26	125m W	ROCK	Coal seam, observed
27	132m NW	FAULT	Fault, inferred, displacement unknown
28	147m N	FAULT	Fault, inferred, displacement unknown
29	161m W	ROCK	Coal seam, inferred



ID	Location	Category	Description
31	222m NE	FAULT	Fault, inferred, displacement unknown
32	233m NE	ROCK	Coal seam, inferred
33	235m NW	FAULT	Fault, inferred, displacement unknown
34	238m NW	ROCK	Coal seam, inferred
35	243m S	ROCK	Coal seam, observed
36	252m NW	ROCK	Coal seam, observed
38	261m NW	FAULT	Fault, inferred, displacement unknown
39	261m NW	FAULT	Fault, inferred, displacement unknown
40	261m NW	ROCK	Coal seam, inferred
41	265m E	ROCK	Coal seam, inferred
43	269m NE	FAULT	Fault, inferred, displacement unknown
44	275m NE	FAULT	Fault, inferred, displacement unknown
45	280m W	ROCK	Coal seam, observed
46	290m SW	ROCK	Coal seam, inferred
48	291m E	FAULT	Fault, inferred, displacement unknown
49	291m E	FAULT	Fault, inferred, displacement unknown
50	296m N	ROCK	Coal seam, observed
52	307m N	ROCK	Coal seam, inferred
53	323m NW	FAULT	Fault, inferred, displacement unknown
54	330m NW	ROCK	Coal seam, observed
55	347m W	ROCK	Coal seam, observed
57	363m SW	ROCK	Coal seam, inferred
59	393m SW	ROCK	Coal seam, inferred
61	404m NE	ROCK	Coal seam, inferred
62	405m NW	ROCK	Coal seam, observed
64	441m W	ROCK	Coal seam, observed
65	445m E	ROCK	Coal seam, inferred
66	462m N	ROCK	Coal seam, inferred

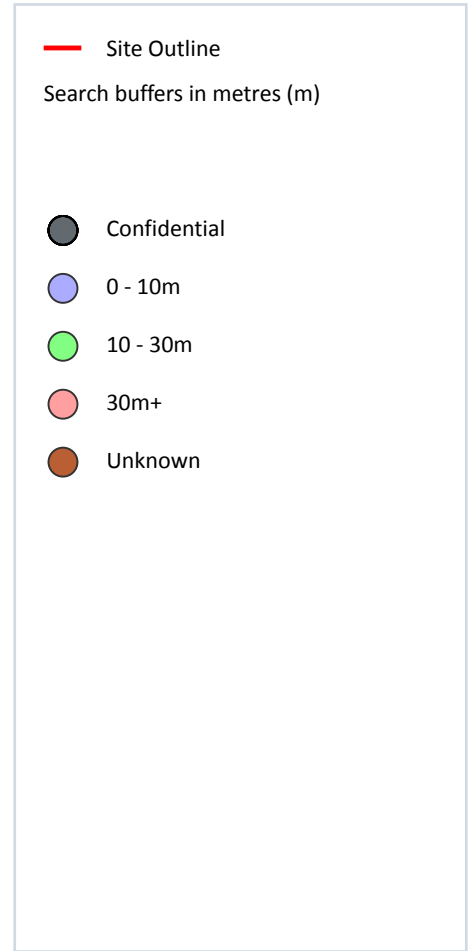
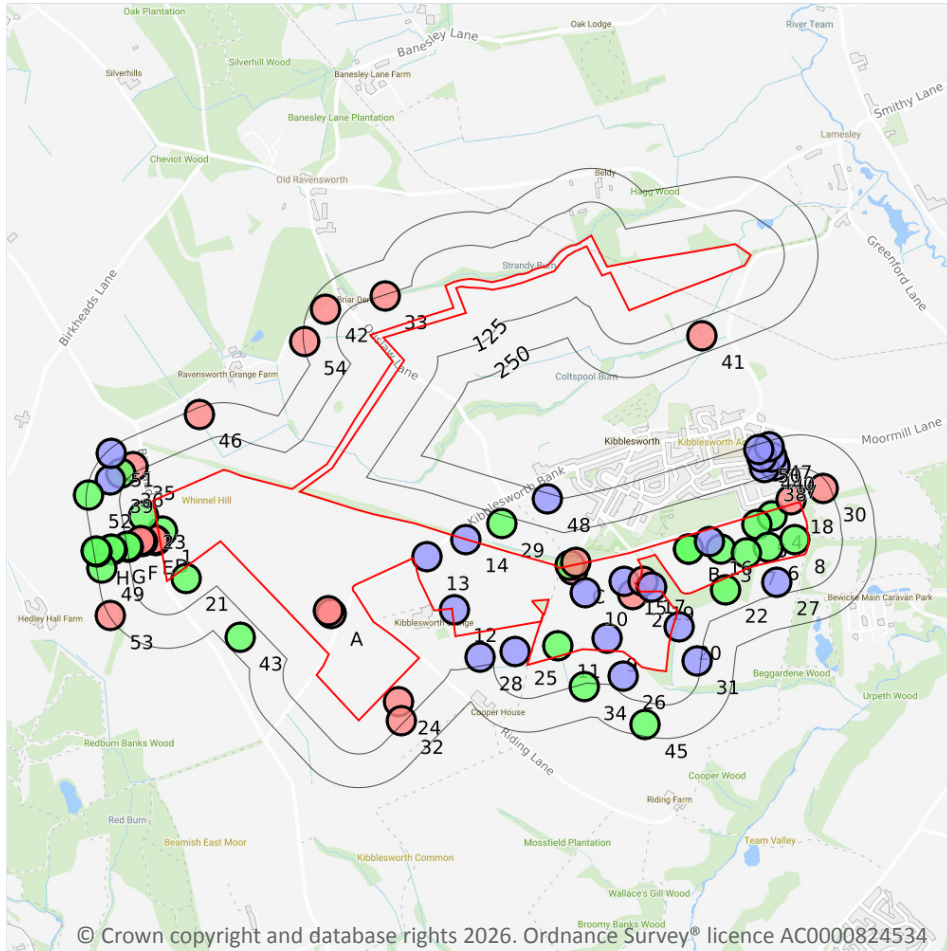


ID	Location	Category	Description
67	495m NE	ROCK	Coal seam, inferred

This data is sourced from the British Geological Survey.



16 Boreholes



16.1 BGS Boreholes

Records within 250m

71

The Single Onshore Boreholes Index (SOBI); an index of over one million records of boreholes, shafts and wells from all forms of drilling and site investigation work held by the British Geological Survey. Covering onshore and nearshore boreholes dating back to at least 1790 and ranging from one to several thousand metres deep.

Features are displayed on the Boreholes map on [page 111](#) >

ID	Location	Grid reference	Name	Length	Confidential	Web link
1	On site	422571 556426	HEDLEY SITE PIT 10 DOCP	10.95	N	873973 ↗
2	On site	424320 556190	KIBBLESWORTH COLL GLAMIS PIT	228.9	N	874077 ↗
3	On site	424650 556360	KIBBLESWORTH SURFACE BOREHOLE	15.49	N	874127 ↗

ID	Location	Grid reference	Name	Length	Confidential	Web link
4	On site	424840 556480	KIBBLESWORTH SURFACE BOREHOLE	18.14	N	874128 ↗
5	On site	424784 556451	KIBBLESWORTH O.C.C.S. CP1	14.8	N	874351 ↗
6	On site	424827 556367	KIBBLESWORTH O.C.C.S. CP2	13.4	N	874352 ↗
7	On site	424744 556345	KIBBLESWORTH O.C.C.S. CP4	22.1	N	874354 ↗
8	On site	424925 556392	KIBBLESWORTH O.C.C.S. CP5	16.15	N	874355 ↗
9	On site	424226 556026	KIBBLESWORTH O.C.C.S. CP12	7.5	N	874362 ↗
10	On site	424145 556196	KIBBLESWORTH O.C.C.S. CP13	9.0	N	874363 ↗
11	On site	424043 556000	KIBBLESWORTH O.C.C.S. CP15	12.3	N	874365 ↗
12	On site	423658 556134	KIBBLESWORTH O.C.C.S. CP18	6.5	N	874368 ↗
13	On site	423556 556329	KIBBLESWORTH O.C.C.S. CP19	3.7	N	874369 ↗
14	On site	423701 556394	KIBBLESWORTH O.C.C.S. CP20	10.0	N	874370 ↗
15	On site	424290 556238	KIBBLESWORTH O.C.C.S. CP23	6.0	N	874373 ↗
16	On site	424608 556386	KIBBLESWORTH O.C.C.S. CP25	8.5	N	874375 ↗
A	On site	423200 556120	KIBBLESWORTH COLLIERY U/G	33.07	N	874114 ↗
A	On site	423190 556130	KIBBLESWORTH MINE U/G UP 31U	33.5	N	874143 ↗
B	On site	424530 556360	KIBBLESWORTH COLLIERY YARD 272	14.86	N	874147 ↗
B	On site	424530 556360	KIBBLESWORTH COLLIERY YARD 273	11.51	N	874148 ↗
C	On site	424100 556280	KIBBLESWORTH MINE ROBERT SHAFT 87	111.66	N	874227 ↗
C	3m N	424090 556300	KIBBLESWORTH MINE DEEPENING	18.9	N	874230 ↗
C	9m N	424110 556310	KIBBLESWORTH COLL ROBERT PIT	236.65	N	874075 ↗
17	14m E	424360 556240	KIBBLESWORTH MINE GLAMIS SHAFT 88	225.17	N	874228 ↗
18	16m N	424910 556540	KIBBLESWORTH COLLIERY BOREHOLE	68.58	N	874081 ↗
D	16m W	422547 556391	HEDLEY SITE 190 DOCP	34.37	N	873971 ↗
19	17m N	424392 556217	KIBBLESWORTH O.C.C.S. CP24	10.0	N	874374 ↗
20	21m E	424493 556070	KIBBLESWORTH O.C.C.S. CP14	9.0	N	874364 ↗
D	22m W	422541 556394	HEDLEY, BURDON MOOR AREA VI 190 DOCP	34.37	N	874020 ↗
21	34m SE	422660 556250	KIBBLESWORTH COLLIERY	24.69	N	874061 ↗
22	41m SE	424667 556206	KIBBLESWORTH O.C.C.S. CP26	22.15	N	874376 ↗



ID	Location	Grid reference	Name	Length	Confidential	Web link
23	46m W	422501 556483	HEDLEY SITE PIT 175 DOCP	10.92	N	873977 ↗
24	58m SE	423450 555790	KIBBLESWORTH COLLIERY U/G UP	34.44	N	874116 ↗
25	59m W	423883 555977	KIBBLESWORTH O.C.C.S. CP16	3.5	N	874366 ↗
E	63m W	422500 556386	HEDLEY SITE 193 DOCP	38.2	N	873970 ↗
E	70m W	422493 556390	HEDLEY, BURDON MOOR AREA VI 193 DOCP	38.2	N	874019 ↗
26	71m SW	424286 555887	KIBBLESWORTH O.C.C.S. CP10	7.15	N	874360 ↗
27	79m S	424859 556234	KIBBLESWORTH O.C.C.S. CP3	9.85	N	874353 ↗
28	92m S	423753 555956	KIBBLESWORTH O.C.C.S. CP17	8.0	N	874367 ↗
29	93m N	423834 556452	KIBBLESWORTH O.C.C.S. CP21	12.05	N	874371 ↗
30	103m NE	425032 556585	KIBBLESWORTH 121	52.5	N	868192 ↗
31	110m E	424560 555942	KIBBLESWORTH O.C.C.S. CP7	6.0	N	874357 ↗
32	114m SE	423460 555720	KIBBLESWORTH 4 U/G	35.97	N	874117 ↗
F	120m W	422446 556366	HEDLEY SITE 53 DOCP	19.81	N	873969 ↗
33	121m N	423400 557300	BH SOUTH OF OLD RAVENSWORTH 271	188.21	N	874146 ↗
F	124m W	422441 556370	HEDLEY, BURDON MOOR AREA VI 53 DOCP	19.81	N	874018 ↗
34	136m S	424141 555846	KIBBLESWORTH O.C.C.S. CP11	13.5	N	874361 ↗
35	148m NW	422462 556665	HEDLEY SITE 131 DOCP	33.63	N	873953 ↗
36	157m NW	422418 556639	HEDLEY SITE 155 DOCP	28.04	N	873952 ↗
37	158m N	424850 556670	KIBBLESWORTH TP4	2.5	N	874481 ↗
38	159m N	424810 556660	KIBBLESWORTH TP3	2.6	N	874480 ↗
39	176m NW	422380 556616	HEDLEY SITE 156 DOCP	9.14	N	873951 ↗
G	180m W	422387 556354	HEDLEY SITE 80 DOCP	13.72	N	873968 ↗
G	184m W	422382 556358	HEDLEY, BURDON MOOR AREA VI 80 DOCP	13.72	N	874017 ↗
40	189m N	424840 556700	KIBBLESWORTH TP5	2.5	N	874482 ↗
41	189m S	424580 557150	KIBBLESWORTH EAST FARM 130	41.71	N	874141 ↗
42	191m NW	423180 557250	RAVENSWORTH GRANGE FARM 276	183.49	N	874151 ↗
43	196m SW	422860 556030	KIBBLESWORTH BEAMISH N LODGE	19.51	N	874113 ↗
44	201m N	424800 556700	KIBBLESWORTH TP2	2.3	N	874479 ↗

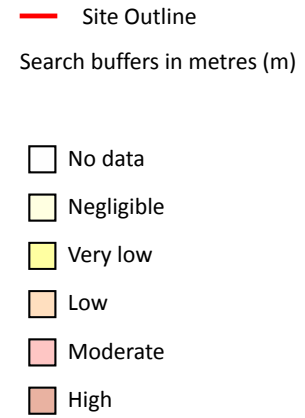
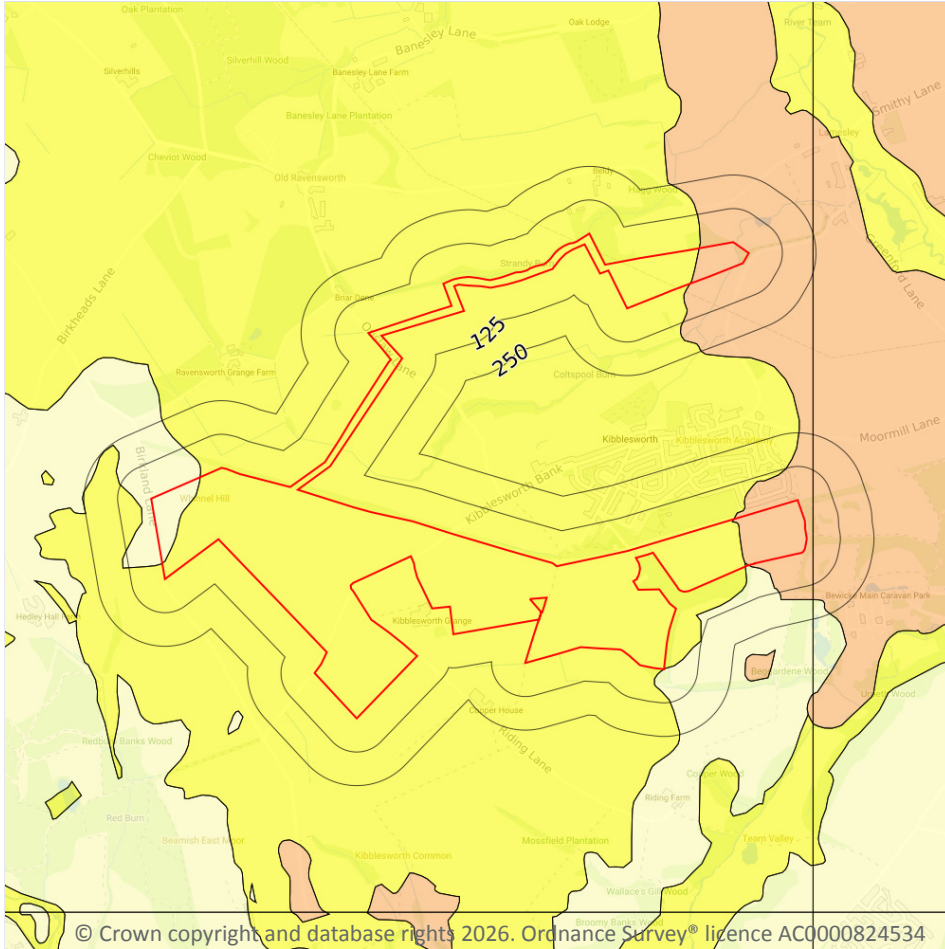


ID	Location	Grid reference	Name	Length	Confidential	Web link
45	207m S	424369 555705	KIBBLESWORTH O.C.C.S. CP9	11.5	N	874359 ↗
46	226m NW	422710 556860	RAVENSWORTH GRANGE FARM 275	195.68	N	874150 ↗
47	230m N	424830 556740	KIBBLESWORTH TP6	2.6	N	874483 ↗
48	231m N	424006 556546	KIBBLESWORTH O.C.C.S. CP22	2.0	N	874372 ↗
49	231m W	422346 556289	HEDLEY SITE PIT 52 DOCP	13.33	N	873974 ↗
50	232m N	424790 556730	KIBBLESWORTH TP1	2.4	N	874478 ↗
51	235m NW	422382 556714	HEDLEY SITE PIT 64 DOCP	6.43	N	873976 ↗
H	239m W	422328 556347	HEDLEY SITE 79 DOCP	13.72	N	873967 ↗
52	240m W	422299 556560	HEDLEY SITE 58 DOCP	15.24	N	873950 ↗
H	241m W	422326 556351	HEDLEY, BURDON MOOR AREA VI 79 DOCP	13.72	N	874016 ↗
53	246m SW	422380 556110	KIBBLESWORTH 1 U/G	45.72	N	874109 ↗
54	247m W	423100 557130	RAVENSWORTH GRANGE FARM 277	184.86	N	874152 ↗

This data is sourced from the British Geological Survey.



17 Natural ground subsidence - Shrink swell clays



17.1 Shrink swell clays

Records within 50m

4

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 115](#) >

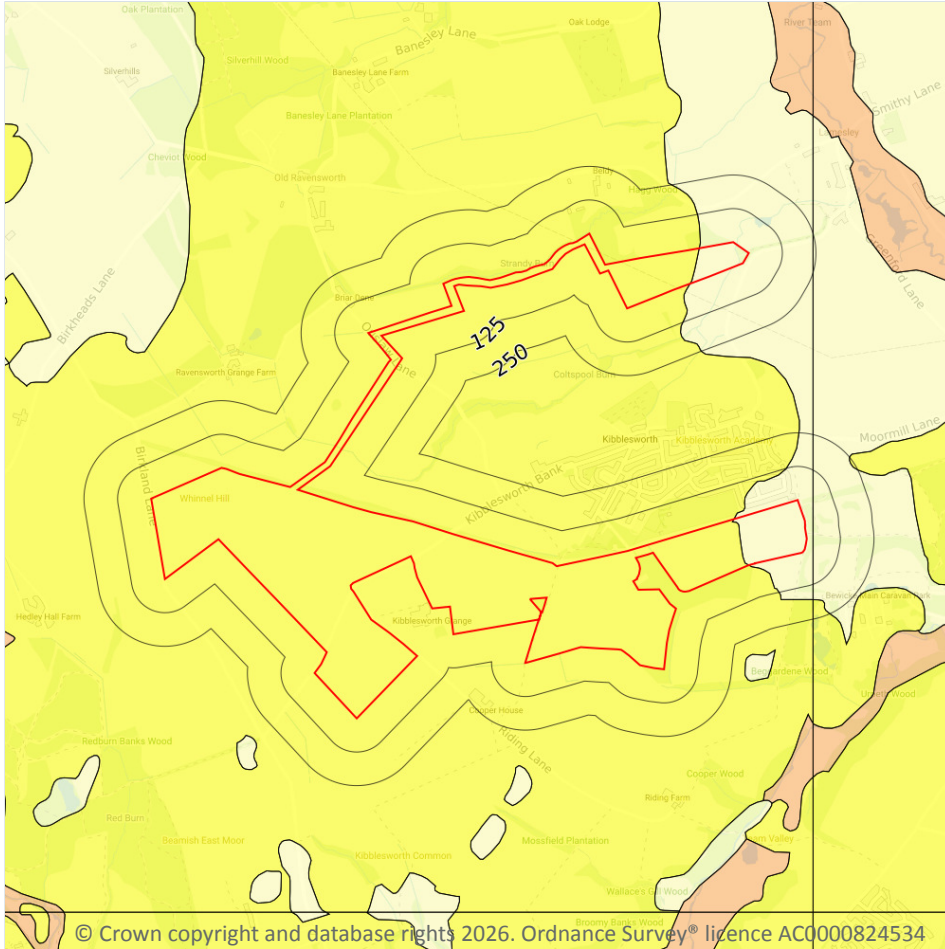
Location	Hazard rating	Details
On site	Negligible	Ground conditions predominantly non-plastic.
On site	Very low	Ground conditions predominantly low plasticity.
On site	Low	Ground conditions predominantly medium plasticity.

Location	Hazard rating	Details
23m E	Low	Ground conditions predominantly medium 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

3

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 117](#) >

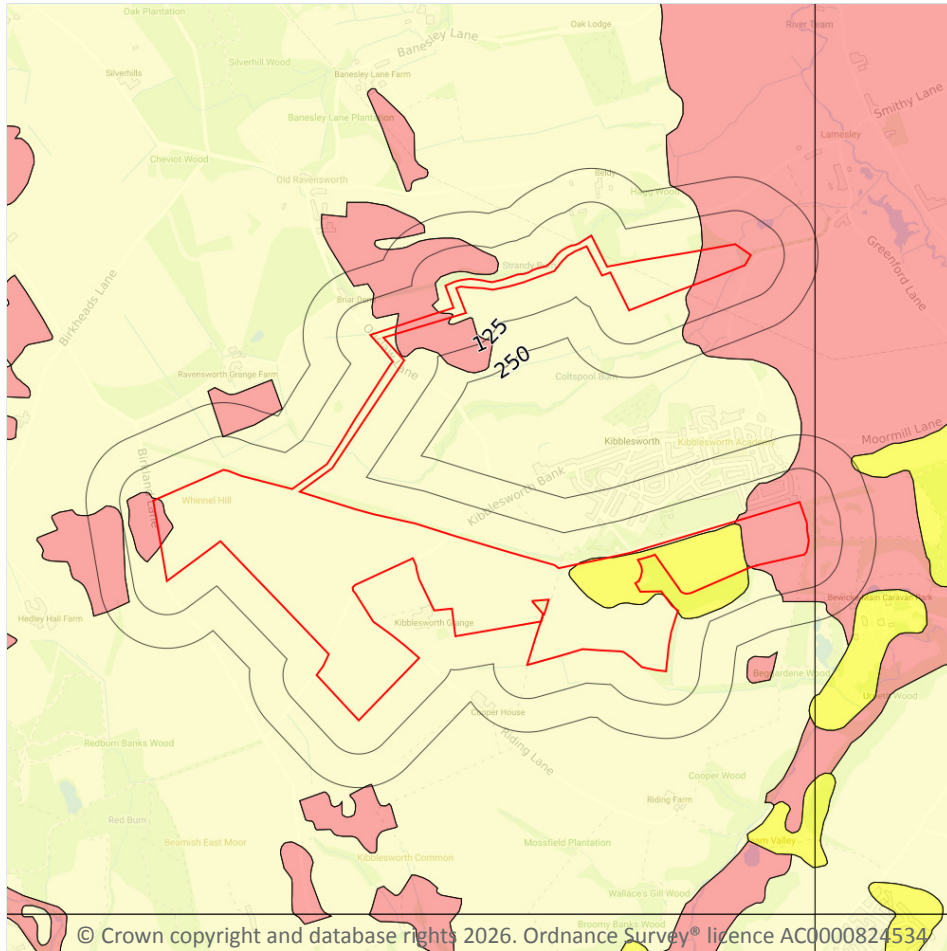
Location	Hazard rating	Details
On site	Negligible	Running sand conditions are not thought to occur whatever the position of the water table. No identified constraints on lands use due to running conditions.

Location	Hazard rating	Details
On site	Very low	Running sand conditions are unlikely. No identified constraints on land use due to running conditions unless water table rises rapidly.
23m E	Negligible	Running sand conditions are not thought to occur whatever the position of the water table. No identified constraints on lands use due to running conditions.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Compressible deposits



— Site Outline
Search buffers in metres (m)

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

17.3 Compressible deposits

Records within 50m

4

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 119](#) >

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

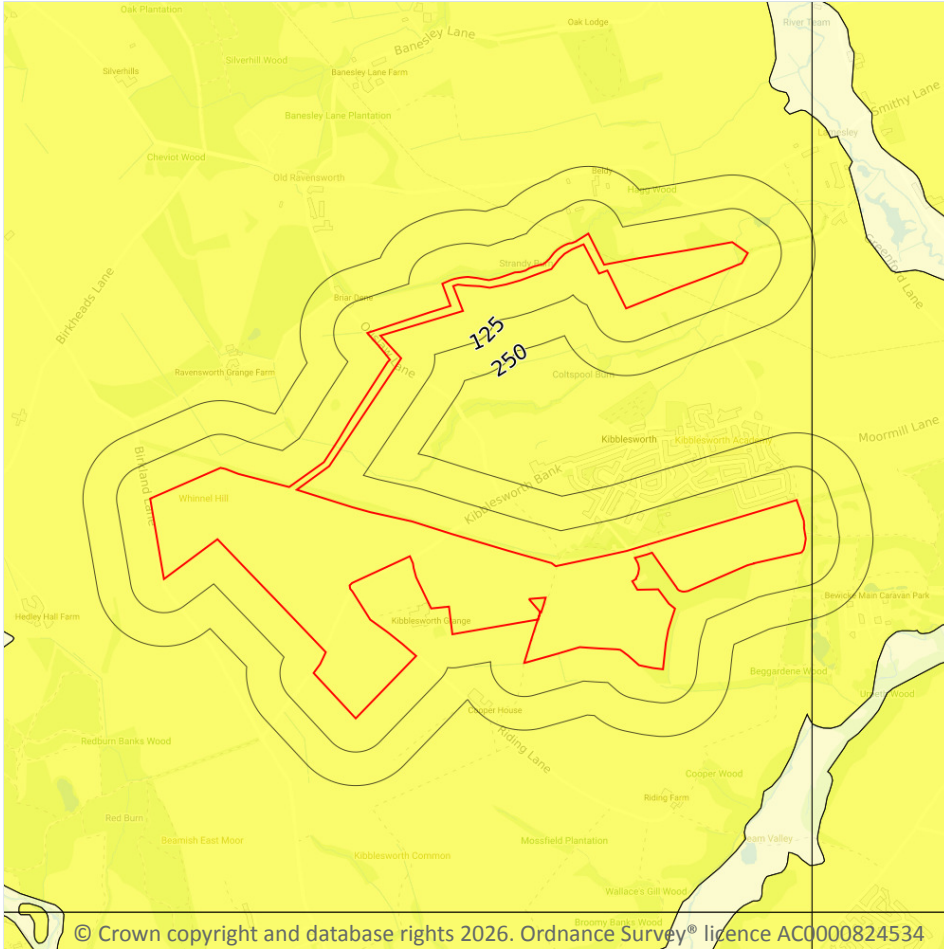


Location	Hazard rating	Details
On site	Moderate	Compressibility and uneven settlement hazards are probably present. Land use should consider specifically the compressibility and variability of the site.
23m E	Moderate	Compressibility and uneven settlement hazards are probably present. Land use should consider specifically the compressibility and variability of the site.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Collapsible deposits



17.4 Collapsible deposits

Records within 50m

2

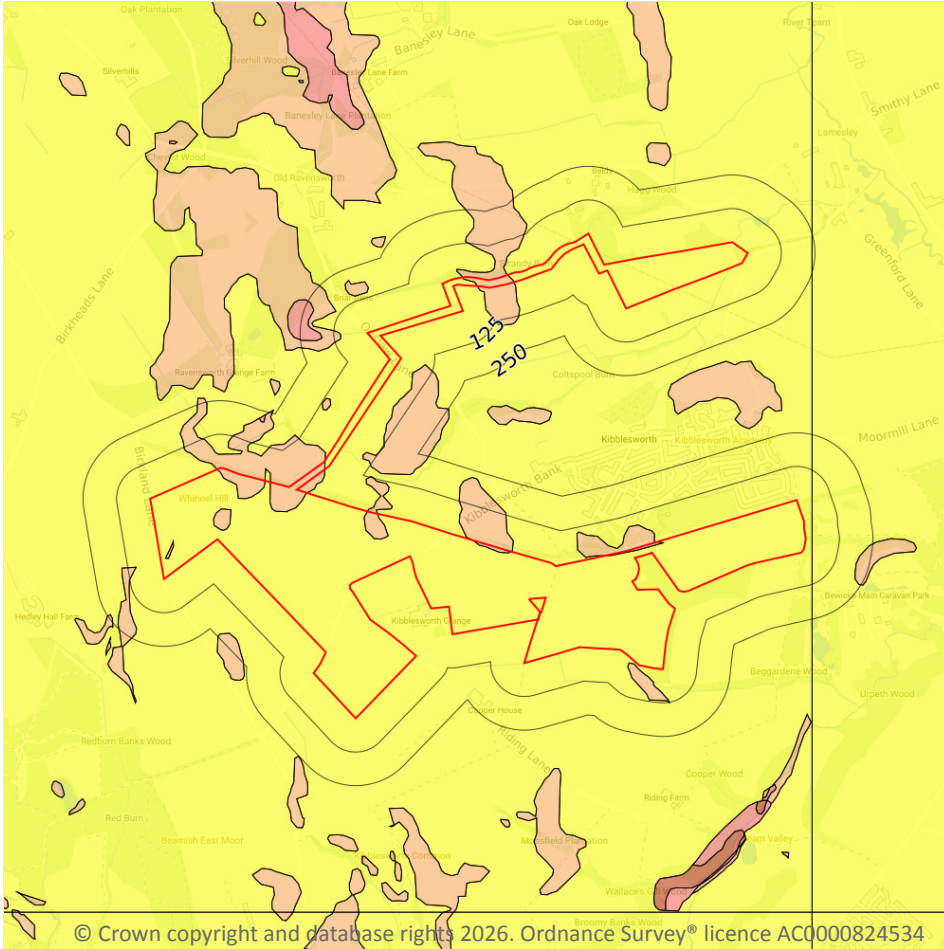
The potential hazard presented by natural deposits that could collapse when a load (such as a building) is placed on them or they become saturated with water.

Features are displayed on the Natural ground subsidence - Collapsible deposits map on [page 121 >](#)

Location	Hazard rating	Details
On site	Very low	Deposits with potential to collapse when loaded and saturated are unlikely to be present.
23m E	Very low	Deposits with potential to collapse when loaded and saturated are unlikely to be present.

This data is sourced from the British Geological Survey.

Natural ground subsidence - Landslides



— Site Outline
Search buffers in metres (m)

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

17.5 Landslides

Records within 50m

4

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 122 >](#)

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.

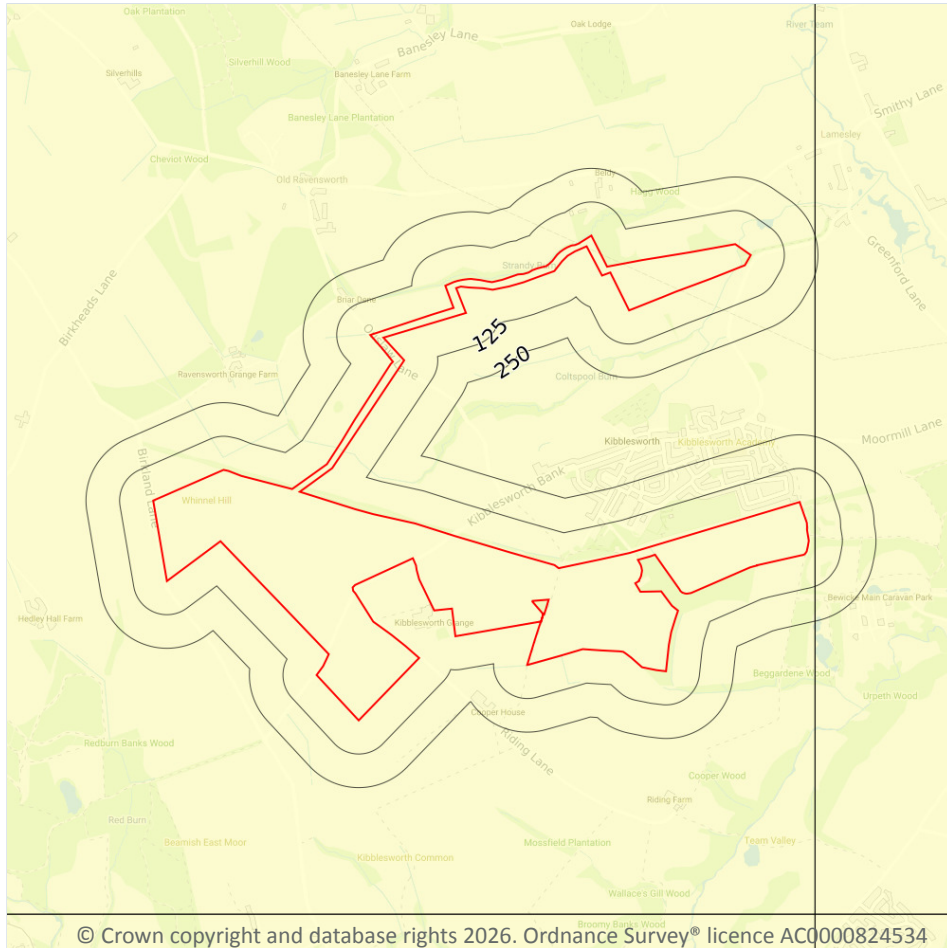


Location	Hazard rating	Details
On site	Low	Slope instability problems may be present or anticipated. Site investigation should consider specifically the slope stability of the site.
9m SW	Low	Slope instability problems may be present or anticipated. Site investigation should consider specifically the slope stability of the site.
23m E	Very low	Slope instability problems are not likely to occur but consideration to potential problems of adjacent areas impacting on the site should always be considered.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Ground dissolution of soluble rocks



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17.6 Ground dissolution of soluble rocks

Records within 50m

2

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 124](#) >

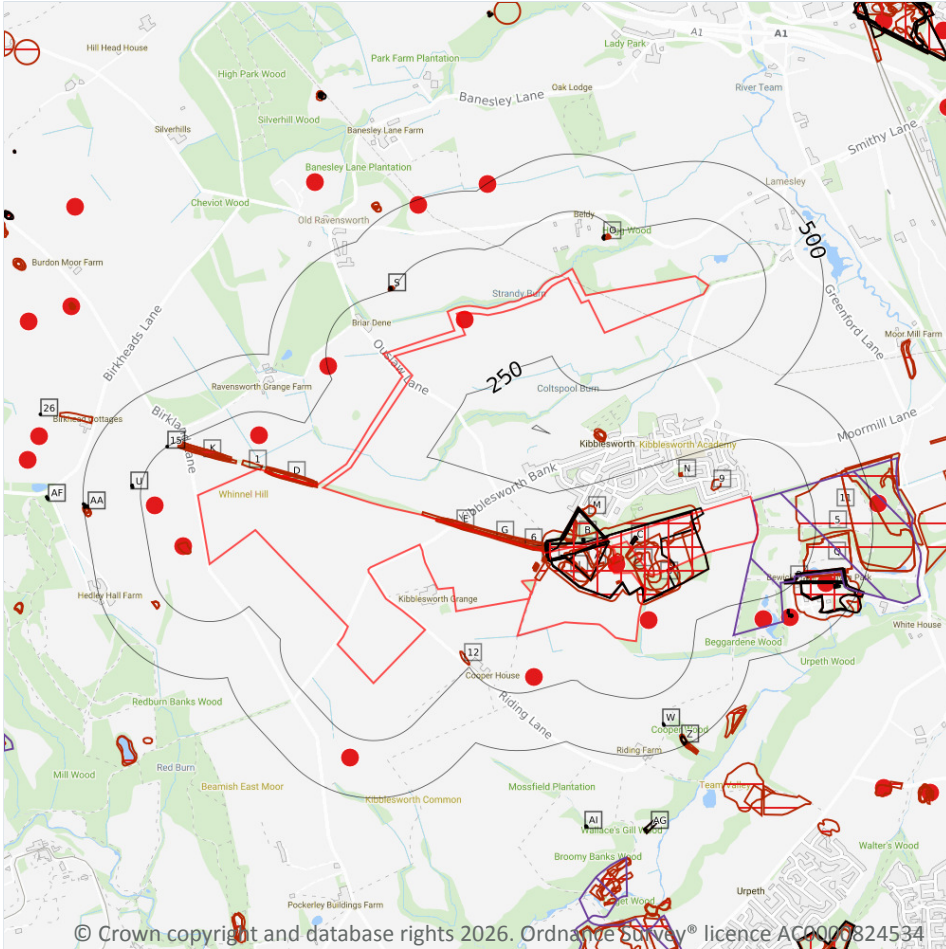
Location	Hazard rating	Details
On site	Negligible	Soluble rocks are either not thought to be present within the ground, or not prone to dissolution. Dissolution features are unlikely to be present.

Location	Hazard rating	Details
23m E	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

17

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 126](#) >



ID	Location	Details	Description
H	13m E	Name: Kibblesworth Colliery Address: Kibblesworth, GATESHEAD, Tyne and Wear Commodity: Coal, Deep Status: Ceased	Type: Working is wholly underground, access by shaft, adit, drift or incline. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun' Ee' - Scots). May also be locally termed 'Quarry' or 'Underground Quarry' when referring to sites extracting building stone (e.g. in Dorset and Wiltshire). The location given is that of the mine entrance and may be approximate for older sites shown on contemporaneous mapping by the Geological Survey used as the source document. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.
7	22m E	Name: Mitchesons Gill OCCS Address: Ravensworth, GATESHEAD, Tyne and Wear Commodity: Coal, Surface Mined Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Delf, Delph, Gravel Pit, Sand Pit, Sand and Gravel Pit, Clay Pit, Pit, Opencast Coal Site or Surface Mine. It may be mapped as Worked Ground or Worked and Made Ground on BGS mapping. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.
8	45m E	Name: Kibblesworth OCCS Address: Kibblesworth, GATESHEAD, Tyne and Wear Commodity: Coal, Surface Mined Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Delf, Delph, Gravel Pit, Sand Pit, Sand and Gravel Pit, Clay Pit, Pit, Opencast Coal Site or Surface Mine. It may be mapped as Worked Ground or Worked and Made Ground on BGS mapping. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.
L	101m W	Name: Whinnel Hill Address: Kibblesworth, GATESHEAD, Tyne and Wear Commodity: Sandstone Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Delf, Delph, Gravel Pit, Sand Pit, Sand and Gravel Pit, Clay Pit, Pit, Opencast Coal Site or Surface Mine. It may be mapped as Worked Ground or Worked and Made Ground on BGS mapping. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.



ID	Location	Details	Description
10	146m N	Name: Ravensworth OCCS Address: Kibblesworth, GATESHEAD, Tyne and Wear Commodity: Coal, Surface Mined Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Delf, Delph, Gravel Pit, Sand Pit, Sand and Gravel Pit, Clay Pit, Pit, Opencast Coal Site or Surface Mine. It may be mapped as Worked Ground or Worked and Made Ground on BGS mapping. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.
13	192m S	Name: Cooper House Farm OCCS Address: Kibblesworth, GATESHEAD, Tyne and Wear Commodity: Coal, Surface Mined Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Delf, Delph, Gravel Pit, Sand Pit, Sand and Gravel Pit, Clay Pit, Pit, Opencast Coal Site or Surface Mine. It may be mapped as Worked Ground or Worked and Made Ground on BGS mapping. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.
14	193m W	Name: Hedley OCCS Address: Hedley, GATESHEAD, Tyne and Wear Commodity: Coal, Surface Mined Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Delf, Delph, Gravel Pit, Sand Pit, Sand and Gravel Pit, Clay Pit, Pit, Opencast Coal Site or Surface Mine. It may be mapped as Worked Ground or Worked and Made Ground on BGS mapping. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.
16	248m W	Name: Ravensworth Grange OCCS Address: Kibblesworth, GATESHEAD, Tyne and Wear Commodity: Coal, Surface Mined Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Delf, Delph, Gravel Pit, Sand Pit, Sand and Gravel Pit, Clay Pit, Pit, Opencast Coal Site or Surface Mine. It may be mapped as Worked Ground or Worked and Made Ground on BGS mapping. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.

ID	Location	Details	Description
17	338m S	Name: Money Hills (Areas A & A1) OCCS Address: Kibblesworth, GATESHEAD, Tyne and Wear Commodity: Coal, Surface Mined Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Delf, Delph, Gravel Pit, Sand Pit, Sand and Gravel Pit, Clay Pit, Pit, Opencast Coal Site or Surface Mine. It may be mapped as Worked Ground or Worked and Made Ground on BGS mapping. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.
18	341m S	Name: Kibblesworth Brickworks Address: CHESTER LE STREET, Co. Durham Commodity: Clay & Shale Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Delf, Delph, Gravel Pit, Sand Pit, Sand and Gravel Pit, Clay Pit, Pit, Opencast Coal Site or Surface Mine. It may be mapped as Worked Ground or Worked and Made Ground on BGS mapping. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.
P	358m SE	Name: Bewicke Main Colliery Address: Kibblesworth, GATESHEAD, Co. Durham Commodity: Coal, Deep Status: Ceased	Type: Working is wholly underground, access by shaft, adit, drift or incline. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun' Ee' - Scots). May also be locally termed 'Quarry' or 'Underground Quarry' when referring to sites extracting building stone (e.g. in Dorset and Wiltshire). The location given is that of the mine entrance and may be approximate for older sites shown on contemporaneous mapping by the Geological Survey used as the source document. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.



ID	Location	Details	Description
V	364m SE	Name: Bewicke Main Colliery Address: Kibblesworth, GATESHEAD, Co. Durham Commodity: Coal, Deep Status: Ceased	Type: Working is wholly underground, access by shaft, adit, drift or incline. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun' Ee' - Scots). May also be locally termed 'Quarry' or 'Underground Quarry' when referring to sites extracting building stone (e.g. in Dorset and Wiltshire). The location given is that of the mine entrance and may be approximate for older sites shown on contemporaneous mapping by the Geological Survey used as the source document. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.
P	380m SE	Name: Bewicke Main Colliery Address: Kibblesworth, GATESHEAD, Co. Durham Commodity: Coal, Deep Status: Ceased	Type: Working is wholly underground, access by shaft, adit, drift or incline. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun' Ee' - Scots). May also be locally termed 'Quarry' or 'Underground Quarry' when referring to sites extracting building stone (e.g. in Dorset and Wiltshire). The location given is that of the mine entrance and may be approximate for older sites shown on contemporaneous mapping by the Geological Survey used as the source document. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.
AB	479m N	Name: Banesley Lane I OCCS Address: Lamesley, GATESHEAD, Tyne and Wear Commodity: Fireclay Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Delf, Delph, Gravel Pit, Sand Pit, Sand and Gravel Pit, Clay Pit, Pit, Opencast Coal Site or Surface Mine. It may be mapped as Worked Ground or Worked and Made Ground on BGS mapping. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.



ID	Location	Details	Description
AB	479m N	Name: Banesley Lane I OCCS Address: Lamesley, GATESHEAD, Tyne and Wear Commodity: Coal, Surface Mined Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Delf, Delph, Gravel Pit, Sand Pit, Sand and Gravel Pit, Clay Pit, Pit, Opencast Coal Site or Surface Mine. It may be mapped as Worked Ground or Worked and Made Ground on BGS mapping. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.
AC	499m NW	Name: Banesley Lane OCCS Address: Lamesley, GATESHEAD, Tyne and Wear Commodity: Coal, Surface Mined Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Delf, Delph, Gravel Pit, Sand Pit, Sand and Gravel Pit, Clay Pit, Pit, Opencast Coal Site or Surface Mine. It may be mapped as Worked Ground or Worked and Made Ground on BGS mapping. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.
AC	499m NW	Name: Banesley Lane OCCS Address: Lamesley, GATESHEAD, Tyne and Wear Commodity: Fireclay Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Delf, Delph, Gravel Pit, Sand Pit, Sand and Gravel Pit, Clay Pit, Pit, Opencast Coal Site or Surface Mine. It may be mapped as Worked Ground or Worked and Made Ground on BGS mapping. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.

This data is sourced from the British Geological Survey.

18.2 Surface ground workings

Records within 250m

73

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 126](#) >

ID	Location	Land Use	Year of mapping	Mapping scale
1	On site	Cuttings	1895	1:10560
2	On site	Reservoir	1952	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
3	On site	Unspecified Workings	1989	1:10000
4	On site	Unspecified Heaps	1952	1:10560
A	On site	Gravel Heap	1921	1:10560
A	On site	Gravel Heap	1938	1:10560
A	On site	Unspecified Heap	1895	1:10560
A	On site	Unspecified Ground Workings	1952	1:10560
B	On site	Colliery	1921	1:10560
B	On site	Colliery	1938	1:10560
B	On site	Colliery	1895	1:10560
B	On site	Colliery	1857	1:10560
C	On site	Coal Drift	1921	1:10560
C	On site	Coal Drift	1938	1:10560
D	On site	Cuttings	1938	1:10560
D	On site	Cuttings	1895	1:10560
D	On site	Cuttings	1857	1:10560
D	On site	Cuttings	1952	1:10560
D	On site	Cuttings	1978	1:10000
D	On site	Cuttings	1989	1:10000
D	On site	Cuttings	1921	1:10560
E	On site	Cuttings	1938	1:10560
E	On site	Cuttings	1921	1:10560
F	On site	Reservoirs	1938	1:10560
F	On site	Reservoirs	1938	1:10560
F	On site	Reservoirs	1895	1:10560
F	On site	Reservoirs	1895	1:10560
F	On site	Reservoir	1952	1:10560
F	On site	Cuttings	1967	1:10560
F	On site	Reservoir	1921	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
F	On site	Reservoir	1921	1:10560
G	On site	Cuttings	1895	1:10560
G	On site	Cuttings	1857	1:10560
H	On site	Colliery	1952	1:10560
I	On site	Refuse Heap	1952	1:10560
I	On site	Refuse Heap	1952	1:10560
I	On site	Refuse Heap	1967	1:10560
I	On site	Colliery	1978	1:10000
I	On site	Refuse Heap	1978	1:10000
J	On site	Unspecified Pit	1952	1:10560
J	On site	Refuse Heap	1967	1:10560
J	On site	Refuse Heap	1978	1:10000
6	1m N	Cuttings	1938	1:10560
G	2m N	Cuttings	1952	1:10560
B	12m N	Unspecified Heap	1895	1:10560
B	24m N	Unspecified Heap	1857	1:10560
B	27m N	Unspecified Heap	1921	1:10560
B	27m N	Unspecified Heap	1938	1:10560
B	33m N	Unspecified Heap	1895	1:10560
K	62m NW	Cuttings	1857	1:10560
L	72m W	Unspecified Old Quarry	1857	1:10560
9	72m N	Refuse Heap	1952	1:10560
K	80m NW	Cuttings	1921	1:10560
K	81m NW	Cuttings	1952	1:10560
K	101m NW	Cuttings	1938	1:10560
K	101m NW	Cuttings	1895	1:10560
M	114m N	Unspecified Heap	1921	1:10560
M	114m N	Unspecified Heap	1938	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
11	172m E	Clay Pit	1989	1:10000
N	173m N	Pool	1967	1:10560
N	173m N	Pool	1978	1:10000
12	177m S	Pond	1952	1:10560
O	186m NE	Unspecified Pit	1938	1:10560
O	195m NE	Unspecified Heap	1921	1:10560
P	216m SE	Colliery	1938	1:10560
P	218m SE	Colliery	1921	1:10560
Q	222m E	Brick Works	1975	1:10000
Q	222m E	Brick Works	1982	1:10000
Q	222m E	Brick Works	1989	1:10000
R	227m SE	Reservoir	1938	1:10560
R	227m SE	Reservoir	1895	1:10560
R	233m SE	Reservoir	1921	1:10560
P	238m SE	Colliery	1895	1:10560

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

18.3 Underground workings

Records within 1000m

54

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 126 >](#)

ID	Location	Land Use	Year of mapping	Mapping scale
B	On site	Colliery	1938	1:10560
B	On site	Colliery	1895	1:10560
B	On site	Colliery	1857	1:10560
B	On site	Colliery	1921	1:10560
C	On site	Coal Drift	1938	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
C	On site	Coal Drift	1921	1:10560
H	On site	Unspecified Mine	1967	1:10560
I	On site	Colliery	1978	1:10000
B	16m N	Unspecified Disused Shaft	1967	1:10560
B	16m N	Unspecified Disused Shaft	1978	1:10000
O	186m NE	Air Shaft	1921	1:10560
O	188m NE	Air Shaft	1938	1:10560
O	197m NE	Air Shaft	1952	1:10560
P	216m SE	Colliery	1938	1:10560
P	218m SE	Colliery	1921	1:10560
15	247m NW	Unspecified Old Shaft	1857	1:10560
S	255m N	Old Coal Shaft	1921	1:10560
S	257m N	Unspecified Old Shaft	1895	1:10560
S	262m N	Old Coal Shaft	1938	1:10560
P	266m SE	Colliery	1921	1:10560
P	270m SE	Colliery	1921	1:10560
U	282m W	Coal Shaft	1921	1:10560
U	286m W	Unspecified Shaft	1952	1:10560
U	287m W	Coal Shaft	1938	1:10560
V	333m SE	Air Shaft	1921	1:10560
V	338m SE	Air Shaft	1921	1:10560
V	340m SE	Air Shaft	1950	1:10560
V	352m SE	Air Shaft	1964	1:10560
V	357m SE	Disused Air Shaft	1975	1:10000
V	357m SE	Disused Air Shaft	1982	1:10000
V	357m SE	Disused Air Shaft	1989	1:10000
W	375m S	Air Shaft	1952	1:10560
W	380m S	Air Shaft	1921	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
W	384m S	Air Shaft	1921	1:10560
P	393m SE	Unspecified Disused Shaft	1964	1:10560
P	398m SE	Unspecified Disused Shaft	1975	1:10000
P	398m SE	Unspecified Disused Shaft	1982	1:10000
Z	460m SE	Coal Drift	1921	1:10560
AA	481m W	Unspecified Old Shaft	1857	1:10560
AA	489m W	Old Coal Shaft	1938	1:10560
AA	489m W	Old Coal Shaft	1921	1:10560
AA	491m W	Unspecified Old Shaft	1895	1:10560
Z	493m SE	Coal Drift	1921	1:10560
AA	495m W	Unspecified Old Shaft	1952	1:10560
AF	648m W	Unspecified Old Shaft	1857	1:10560
AF	652m W	Old Coal Shaft	1938	1:10560
AF	652m W	Old Coal Shaft	1921	1:10560
AF	655m W	Unspecified Old Shaft	1952	1:10560
AF	656m W	Unspecified Old Shaft	1895	1:10560
26	767m NW	Unspecified Old Shaft	1857	1:10560
AG	784m S	Coal Drift	1921	1:10560
AG	819m S	Coal Drift	1921	1:10560
AI	825m S	Air Shaft	1921	1:10560
AI	828m S	Air Shaft	1921	1:10560

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

18.4 Underground mining extents

Records within 500m

0

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

This data is sourced from Groundsure.



18.5 Historical Mineral Planning Areas

Records within 500m

1

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

Features are displayed on the Mining and ground workings map on [page 126 >](#)

ID	Location	Site Name	Mineral	Type	Planning Status	Planning Status Date
5	On site	South Farm Brickworks	Clay	Surface mineral working	Valid	10/1/55

This data is sourced from the British Geological Survey.

18.6 Non-coal mining

Records within 1000m

0

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

This data is sourced from the British Geological Survey.

18.7 JPB mining areas

Records on site

0

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

This data is sourced from Johnson Poole and Bloomer.

18.8 The Coal Authority non-coal mining

Records within 500m

0

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

This data is sourced from The Coal Authority.



18.9 Researched mining

Records within 500m

0

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

This data is sourced from Groundsure.

18.10 Mining record office plans

Records within 500m

0

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

This data is sourced from Groundsure.

18.11 BGS mine plans

Records within 500m

0

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

This data is sourced from Groundsure.

18.12 Coal mining

Records on site

1

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

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

This data is sourced from the Coal Authority.



18.13 Brine areas

Records on site

0

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

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

18.14 Gypsum areas

Records on site

0

Generalised areas that may be affected by gypsum extraction.

This data is sourced from British Gypsum.

18.15 Tin mining

Records on site

0

Generalised areas that may be affected by historical tin mining.

This data is sourced from Groundsure.

18.16 Clay mining

Records on site

0

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

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



19 Ground cavities and sinkholes

19.1 Natural cavities

Records within 500m

0

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

This data is sourced from Stantec UK Ltd.

19.2 Mining cavities

Records within 1000m

0

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

This data is sourced from Stantec UK Ltd.

19.3 Reported recent incidents

Records within 500m

0

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

This data is sourced from Groundsure.

19.4 Historical incidents

Records within 500m

0

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

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



This data is sourced from Groundsure.



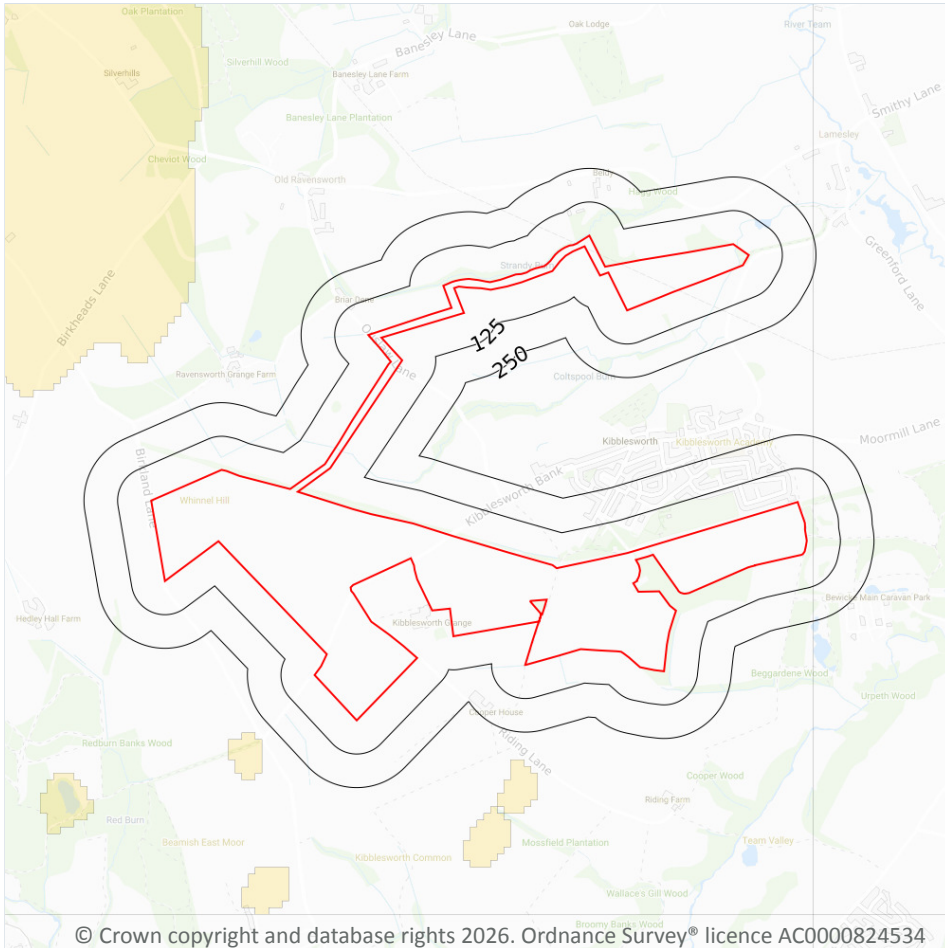
Contact us with any questions at:

info@groundsure.com ↗

01273 257 755

Date: 18 March 2026

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

1

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

Features are displayed on the Radon map on [page 142 >](#)

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



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



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01273 257 755

Date: 18 March 2026

21 Soil chemistry

21.1 BGS Estimated Background Soil Chemistry

Records within 50m

47

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

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg



Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg



Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg
7m SW	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg
8m N	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg
23m E	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg
23m E	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
25m N	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg
29m N	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg
38m W	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
43m N	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg
43m N	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg
43m E	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg
43m E	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
43m E	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg
44m W	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
47m S	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg

This data is sourced from the British Geological Survey.



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01273 257 755

Date: 18 March 2026

21.2 BGS Estimated Urban Soil Chemistry

Records within 50m

0

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

This data is sourced from the British Geological Survey.

21.3 BGS Measured Urban Soil Chemistry

Records within 50m

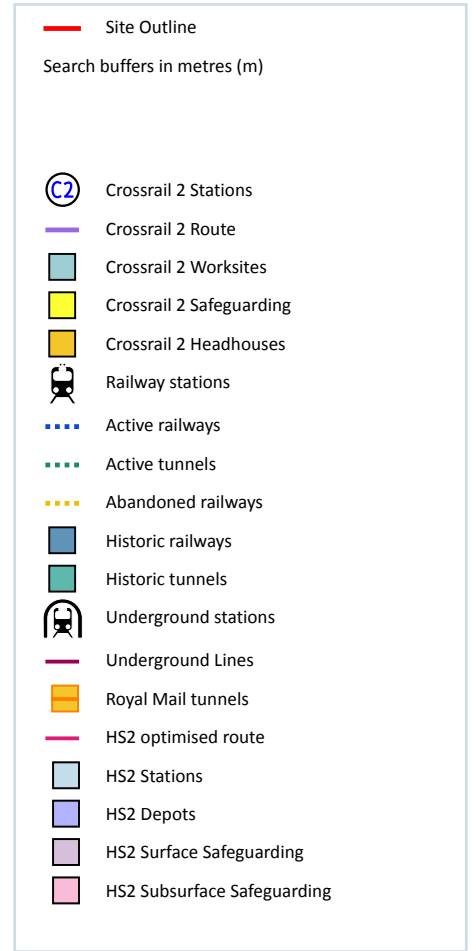
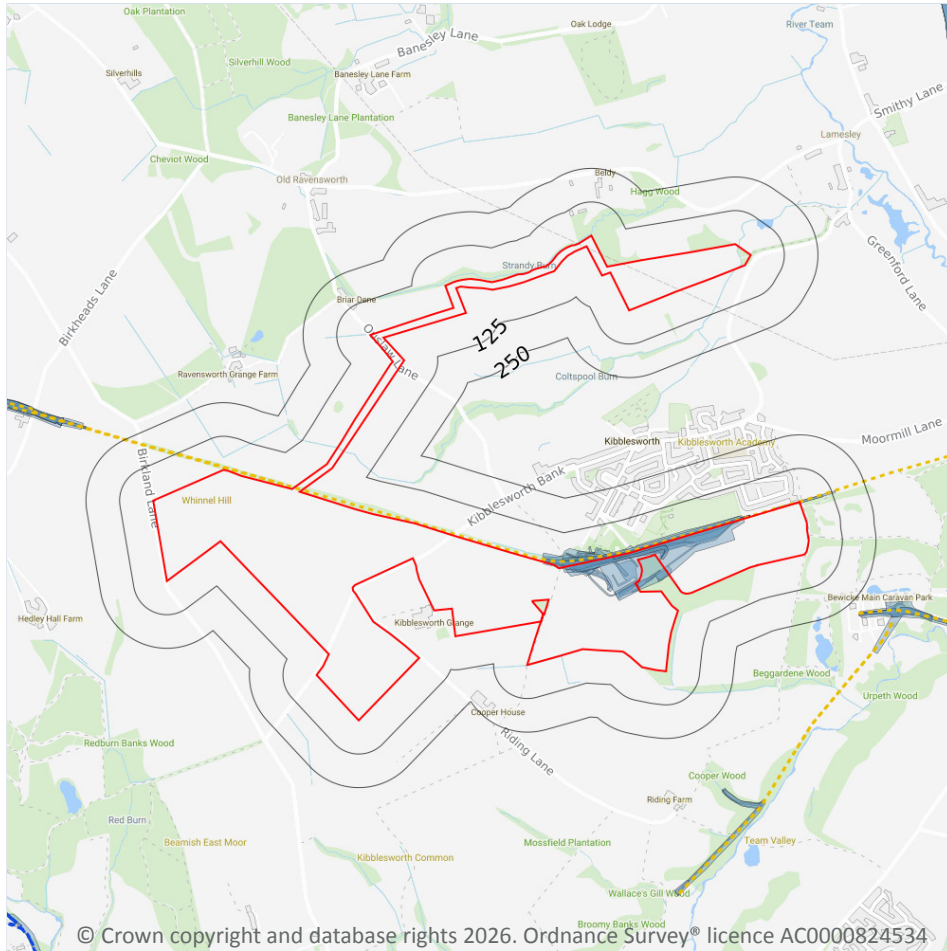
0

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

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

18

Railways and tunnels digitised from historical Ordnance Survey® mapping as scales of 1:1,250, 1:2,500, 1:10,000 and 1:10,560.

Features are displayed on the Railway infrastructure and projects map on [page 148 >](#)

Location	Land Use	Year of mapping	Mapping scale
On site	Railway Sidings	1921	10560
On site	Railway Sidings	1978	10000
On site	Railway Sidings	1967	10560
On site	Railway Sidings	1952	10560
On site	Railway Sidings	1857	10560
On site	Railway Sidings	1895	10560
On site	Railway Sidings	1938	10560
On site	Railway Sidings	1939	2500
On site	Railway Sidings	1919	2500
On site	Railway Sidings	1896	2500
On site	Mineral Railway Sidings	1972	2500
On site	Mineral Railway Sidings	1960	2500
On site	Railway	1896	-
On site	Tramway Sidings	1939	2500
On site	Railway Sidings	1855	2500
On site	Railway Sidings	1972	2500
4m N	Railway	1858	-



Location	Land Use	Year of mapping	Mapping scale
25m N	Railway Sidings	1919	2500

This data is sourced from Ordnance Survey®/Groundsure.

22.5 Royal Mail tunnels

Records within 250m

0

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

This data is sourced from Groundsure/the Postal Museum.

22.6 Historical railways

Records within 250m

2

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

Features are displayed on the Railway infrastructure and projects map on [page 148 >](#)

Location	Description
On site	Abandoned
8m N	Historical OSM

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 2

Records within 500m

0

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

This data is sourced from publicly available information by Groundsure.

22.9 HS2

Records within 500m

0

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

This data is sourced from HS2 Ltd.



Data providers

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

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