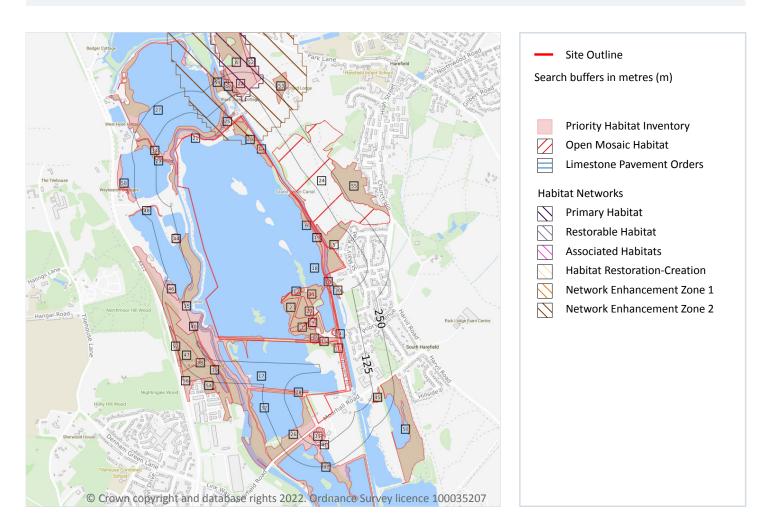


13 Habitat designations



13.1 Priority Habitat Inventory

Records within 250m 56

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

Features are displayed on the Habitat designations map on page 111

ID	Location	Main Habitat	Other habitats
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	Deciduous woodland	Main habitat: DWOOD (INV > 50%)	
8	On site	Deciduous woodland	Main habitat: DWOOD (INV > 50%)	
9	On site	Deciduous woodland	Main habitat: DWOOD (INV > 50%)	
10	On site	Deciduous woodland	Main habitat: DWOOD (INV > 50%)	
11	On site	Deciduous woodland	Main habitat: DWOOD (INV > 50%)	
12	On site	Deciduous woodland	Main habitat: DWOOD (INV > 50%)	
13	On site	Deciduous woodland	Main habitat: DWOOD (INV > 50%)	
14	On site	Deciduous woodland	Main habitat: DWOOD (INV > 50%)	
15	On site	Deciduous woodland	Main habitat: DWOOD (INV > 50%)	
16	On site	Deciduous woodland	Main habitat: DWOOD (INV > 50%)	
17	On site	Deciduous woodland	Main habitat: DWOOD (INV > 50%)	
18	On site	Deciduous woodland	Main habitat: DWOOD (INV > 50%)	
19	On site	Deciduous woodland	Main habitat: DWOOD (INV > 50%)	
20	On site	Deciduous woodland	Main habitat: DWOOD (INV > 50%)	
20 21	On site	Deciduous woodland Deciduous woodland	Main habitat: DWOOD (INV > 50%) Main habitat: DWOOD (INV > 50%)	
			· · ·	
21	On site	Deciduous woodland	Main habitat: DWOOD (INV > 50%)	
21 25	On site	Deciduous woodland Deciduous woodland	Main habitat: DWOOD (INV > 50%) Main habitat: DWOOD (INV > 50%)	
21 25 26	On site 4m N 9m S	Deciduous woodland Deciduous woodland Deciduous woodland	Main habitat: DWOOD (INV > 50%) Main habitat: DWOOD (INV > 50%) Main habitat: DWOOD (INV > 50%)	
21 25 26 27	On site 4m N 9m S 10m NW	Deciduous woodland Deciduous woodland Deciduous woodland Deciduous woodland	Main habitat: DWOOD (INV > 50%)	
21 25 26 27 28	On site 4m N 9m S 10m NW 11m S	Deciduous woodland Deciduous woodland Deciduous woodland Deciduous woodland Deciduous woodland	Main habitat: DWOOD (INV > 50%)	
21 25 26 27 28 29	On site 4m N 9m S 10m NW 11m S 13m NW	Deciduous woodland Deciduous woodland Deciduous woodland Deciduous woodland Deciduous woodland Deciduous woodland	Main habitat: DWOOD (INV > 50%)	
21 25 26 27 28 29 30	On site 4m N 9m S 10m NW 11m S 13m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)	
21 25 26 27 28 29 30 31	On site 4m N 9m S 10m NW 11m S 13m NW 17m SE 19m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)	
21 25 26 27 28 29 30 31	On site 4m N 9m S 10m NW 11m S 13m NW 17m SE 19m S 20m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)	
21 25 26 27 28 29 30 31 32 33	On site 4m N 9m S 10m NW 11m S 13m NW 17m SE 19m S 20m S 25m S	Deciduous woodland Deciduous woodland	Main habitat: DWOOD (INV > 50%) Main habitat: DWOOD (INV > 50%)	



Date: 25 October 2022



ID	Location	Main Habitat	Other habitats
36	59m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
37	84m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
38	104m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
Α	105m N	Lowland calcareous grassland	Main habitat: RBEDS (INV > 50%); LMEAD (INV > 50%); LCGRA (ENSIS L1)
39	108m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
40	110m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
41	111m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
42	115m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
43	118m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
44	119m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
45	130m SE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
46	156m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
47	161m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
48	167m W	No main habitat but additional habitats present	Main habitat: RBEDS (INV > 50%)
49	173m SE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
50	175m SE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
51	181m N	No main habitat but additional habitats present	Main habitat: DWOOD (INV > 50%)
52	209m N	Lowland calcareous grassland	Main habitat: RBEDS (INV > 50%); LCGRA (ENSIS L1)
53	212m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
54	224m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
55	232m NE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
56	233m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
57	236m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
58	246m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)

This data is sourced from Natural England.





13.2 Habitat Networks

Records within 250m 2

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.

Features are displayed on the Habitat designations map on page 111

ID	Location	Туре	Habitat
22	On site	Network Enhancement Zone 2	Not specified
			•

This data is sourced from Natural England.

13.3 Open Mosaic Habitat

Records within 250m 2

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 111

ID	Location	Site reference	Identificati on confidence	Primary source	Secondary source	Tertiary source
23	On site	BRITPITS ref: 2393	Low	British Geological Survey BRITPITS database	Environment Agency Historic Landfill Sites	UK Perspectives Aerial Photography
24	4m NE	Disused workings, Harefield; BRITPITS ref: 19809	Low	BugLife All Of A Buzz Data	British Geological Survey BRITPITS database	UK Perspectives Aerial Photography

This data is sourced from Natural England.

13.4 Limestone Pavement Orders

Records within 250m

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



Date: 25 October 2022

BROADWATER LAKE, MOORHALL ROAD, HAREFIELD, UB9 6PE

Ref: GS-9151609 Your ref: 22-10-05 Grid ref: 504450 189568

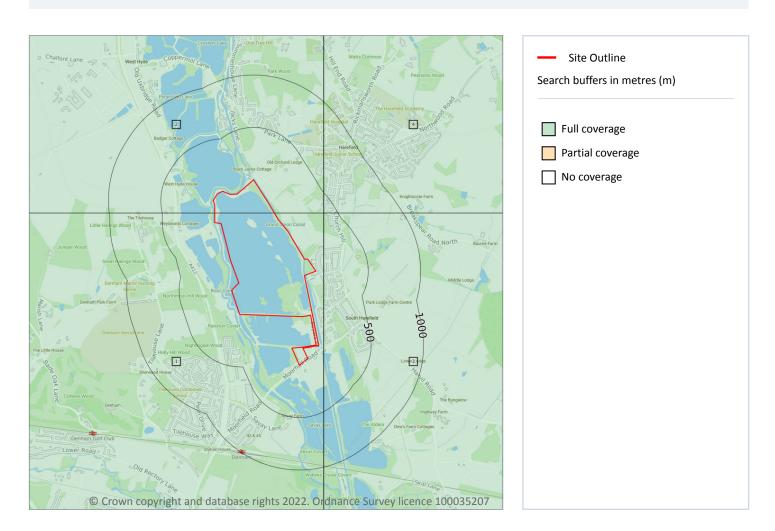
which affords them some protection. In addition, Section 34 of the Wildlife and Countryside Act 1981 gave them additional protection via the creation of Limestone Pavement Orders, which made it a criminal offence to remove any part of the outcrop. The associated Limestone Pavement Priority Habitat is part of the UK Biodiversity Action Plan priority habitat in England.

This data is sourced from Natural England.





14 Geology 1:10,000 scale - Availability



14.1 10k Availability

Records within 500m 4

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 116

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	No coverage	TQ08NW
2	On site	Full	Full	Full	No coverage	TQ09SW
3	48m SE	Full	Full	Full	No coverage	TQ08NE
4	383m NE	Full	Full	Full	No coverage	TQ09SE





BROADWATER LAKE, MOORHALL ROAD, HAREFIELD, UB9 6PE

Ref: GS-9151609 Your ref: 22-10-05 Grid ref: 504450 189568

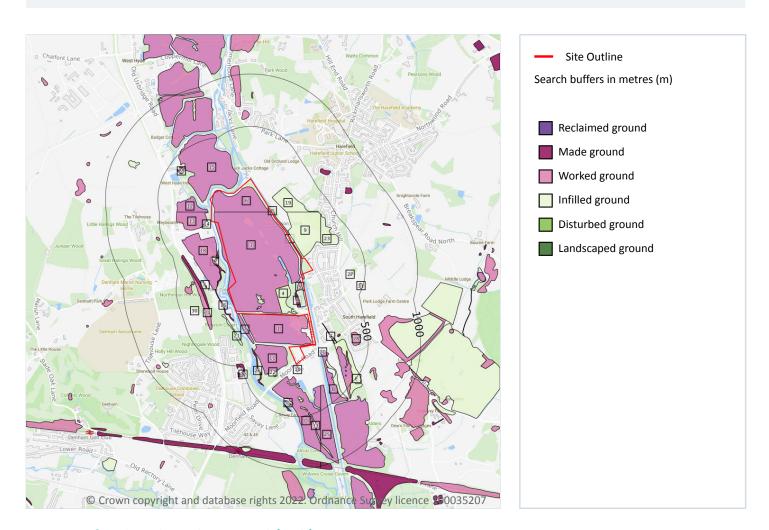
This data is sourced from the British Geological Survey.



Date: 25 October 2022



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



14.2 Artificial and made ground (10k)

Records within 500m 50

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

Features are displayed on the Geology 1:10,000 scale - Artificial and made ground map on page 118

ID	Location	LEX Code	Description	Rock description
1	On site	WGR-VOID	Worked Ground (Undivided)	Void
2	On site	WGR-VOID	Worked Ground (Undivided)	Void
3	On site	WGR-VOID	Worked Ground (Undivided)	Void
4	On site	WMGR-ARTDP	Infilled Ground	Artificial Deposit



Date: 25 October 2022



ID	Location	LEX Code	Description	Rock description
5	On site	WGR-VOID	Worked Ground (Undivided)	Void
6	On site	WGR-VOID	Worked Ground (Undivided)	Void
Α	On site	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
Α	On site	WMGR-ARTDP	Infilled Ground	Artificial Deposit
7	5m S	WGR-VOID	Worked Ground (Undivided)	Void
8	6m N	WGR-VOID	Worked Ground (Undivided)	Void
9	12m E	WMGR-ARTDP	Infilled Ground	Artificial Deposit
10	27m S	WGR-VOID	Worked Ground (Undivided)	Void
11	34m S	WGR-VOID	Worked Ground (Undivided)	Void
12	35m NW	WGR-VOID	Worked Ground (Undivided)	Void
13	35m NW	WGR-VOID	Worked Ground (Undivided)	Void
14	35m NW	WMGR-ARTDP	Infilled Ground	Artificial Deposit
15	40m NW	WGR-VOID	Worked Ground (Undivided)	Void
16	55m SW	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
17	62m W	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
18	66m W	WGR-VOID	Worked Ground (Undivided)	Void
19	77m N	WMGR-ARTDP	Infilled Ground	Artificial Deposit
В	84m SE	WGR-VOID	Worked Ground (Undivided)	Void
20	88m SE	WMGR-ARTDP	Infilled Ground	Artificial Deposit
С	100m SE	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
21	105m SW	WMGR-ARTDP	Infilled Ground	Artificial Deposit
D	121m S	WGR-VOID	Worked Ground (Undivided)	Void
Е	174m SE	WMGR-ARTDP	Infilled Ground	Artificial Deposit
В	180m SE	WMGR-ARTDP	Infilled Ground	Artificial Deposit
Е	202m SE	WGR-VOID	Worked Ground (Undivided)	Void
22	203m S	WMGR-ARTDP	Infilled Ground	Artificial Deposit
F	208m SW	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
23	211m E	WMGR-ARTDP	Infilled Ground	Artificial Deposit



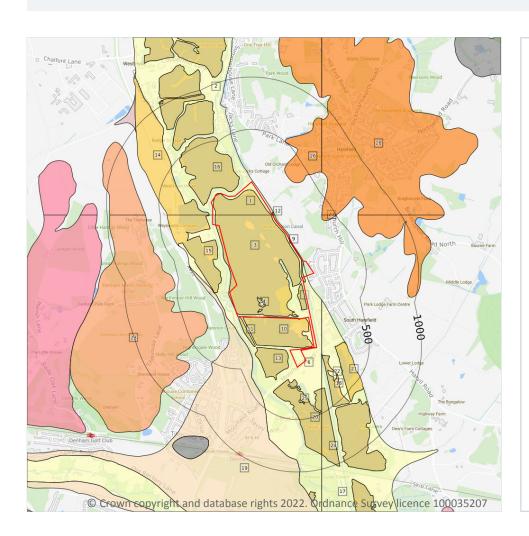


ID	Location	LEX Code	Description	Rock description
С	219m SE	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
F	225m SW	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
24	235m SW	WGR-VOID	Worked Ground (Undivided)	Void
25	304m SE	WGR-VOID	Worked Ground (Undivided)	Void
26	321m S	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
F	331m W	WGR-VOID	Worked Ground (Undivided)	Void
D	336m S	WMGR-ARTDP	Infilled Ground	Artificial Deposit
F	347m SW	WGR-VOID	Worked Ground (Undivided)	Void
27	347m E	WGR-VOID	Worked Ground (Undivided)	Void
28	348m SE	WGR-VOID	Worked Ground (Undivided)	Void
29	352m NW	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
G	357m S	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
30	362m SW	WGR-VOID	Worked Ground (Undivided)	Void
G	400m S	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
D	409m S	WMGR-ARTDP	Infilled Ground	Artificial Deposit
31	460m E	WGR-VOID	Worked Ground (Undivided)	Void
32	466m S	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
33	478m S	WMGR-ARTDP	Infilled Ground	Artificial Deposit





Geology 1:10,000 scale - Superficial



Site OutlineSearch buffers in metres (m)

Landslip (10k)

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

14.3 Superficial geology (10k)

Records within 500m 28

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

Features are displayed on the Geology 1:10,000 scale - Superficial map on page 121

ID	Location	LEX Code	Description	Rock description
1	On site	SHGR-XSV	Shepperton Gravel Member - Sand And Gravel	Sand And Gravel
2	On site	ALV-XZC	Alluvium - Silt And Clay	Silt And Clay
3	On site	SHGR-XSV	Shepperton Gravel Member - Sand And Gravel	Sand And Gravel
4	On site	ALV-XZC	Alluvium - Silt And Clay	Silt And Clay





ID	Location	LEX Code	Description	Rock description
5	On site	SHGR-XSV	Shepperton Gravel Member - Sand And Gravel	Sand And Gravel
6	On site	ALV-XZC	Alluvium - Silt And Clay	Silt And Clay
7	On site	ALV-XZC	Alluvium - Silt And Clay	Silt And Clay
8	On site	ALV-XZC	Alluvium - Silt And Clay	Silt And Clay
9	On site	SHGR-XSV	Shepperton Gravel Member - Sand And Gravel	Sand And Gravel
10	On site	SHGR-XSV	Shepperton Gravel Member - Sand And Gravel	Sand And Gravel
11	5m S	SHGR-XSV	Shepperton Gravel Member - Sand And Gravel	Sand And Gravel
12	6m N	SHGR-XSV	Shepperton Gravel Member - Sand And Gravel	Sand And Gravel
13	34m S	SHGR-XSV	Shepperton Gravel Member - Sand And Gravel	Sand And Gravel
14	35m NW	SHGR-XSV	Shepperton Gravel Member - Sand And Gravel	Sand And Gravel
15	35m NW	SHGR-XSV	Shepperton Gravel Member - Sand And Gravel	Sand And Gravel
16	40m NW	SHGR-XSV	Shepperton Gravel Member - Sand And Gravel	Sand And Gravel
17	48m SE	ALV-XZC	Alluvium - Silt And Clay	Silt And Clay
18	84m SE	SHGR-XSV	Shepperton Gravel Member - Sand And Gravel	Sand And Gravel
19	87m SW	TPGR-XSV	Taplow Gravel Formation - Sand And Gravel	Sand And Gravel
20	121m S	SHGR-XSV	Shepperton Gravel Member - Sand And Gravel	Sand And Gravel
21	174m SE	SHGR-XSV	Shepperton Gravel Member - Sand And Gravel	Sand And Gravel
22	229m SE	ALV-XZC	Alluvium - Silt And Clay	Silt And Clay
23	297m SW	WIHG-XSV	Winter Hill Gravel - Sand And Gravel	Sand And Gravel
24	304m SE	SHGR-XSV	Shepperton Gravel Member - Sand And Gravel	Sand And Gravel
25	313m S	ALV-XZC	Alluvium - Silt And Clay	Silt And Clay
26	316m N	GCGR-XSV	Gerrards Cross Gravel - Sand And Gravel	Sand And Gravel
27	366m NE	GCGR-XSV	Gerrards Cross Gravel - Sand And Gravel	Sand And Gravel
28	383m NE	GCGR-XSV	Gerrards Cross Gravel - Sand And Gravel	Sand And Gravel





0

14.4 Landslip (10k)

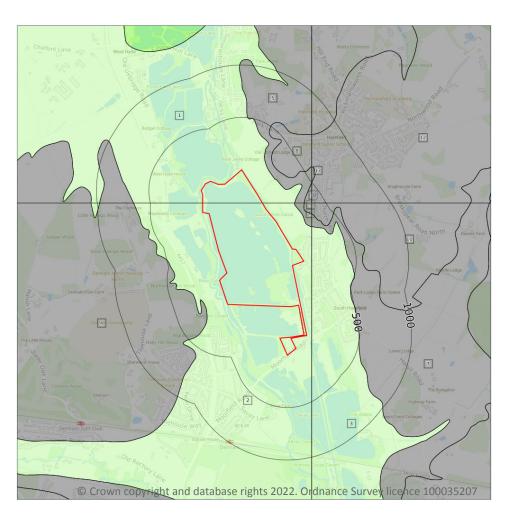
Records within 500m

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.





Geology 1:10,000 scale - Bedrock



Search buffers in metres (m)

Bedrock faults and other linear features (10k)

Bedrock geology (10k)

Please see table for more details.

14.5 Bedrock geology (10k)

Records within 500m 13

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

Features are displayed on the Geology 1:10,000 scale - Bedrock map on page 124

ID	Location	LEX Code	Description	Rock age
1	On site	SNCK-CHLK	Seaford Chalk Formation And Newhaven Chalk Formation (undifferentiated) - Chalk	Campanian Age - Coniacian Age
2	On site	SNCK-CHLK	Seaford Chalk Formation And Newhaven Chalk Formation (undifferentiated) - Chalk	Campanian Age - Coniacian Age





ID	Location	LEX Code	Description	Rock age
3	48m SE	SNCK-CHLK	Seaford Chalk Formation And Newhaven Chalk Formation (undifferentiated) - Chalk	Campanian Age - Coniacian Age
4	207m SW	LMBE- CLSISA	Lambeth Group - Clay, Silt And Sand	Paleocene Epoch
5	215m N	LMBE- CLSISA	Lambeth Group - Clay, Silt And Sand	Paleocene Epoch
6	235m NE	LMBE- CLSISA	Lambeth Group - Clay, Silt And Sand	Paleocene Epoch
7	264m E	LMBE- CLSISA	Lambeth Group - Clay, Silt And Sand	Paleocene Epoch
8	280m N	LC-CLSISA	London Clay Formation - Clay, Silt And Sand	Eocene Epoch
9	288m NE	LC-CLSISA	London Clay Formation - Clay, Silt And Sand	Eocene Epoch
10	322m NE	LC-CLSISA	London Clay Formation - Clay, Silt And Sand	Eocene Epoch
11	331m NE	LC-CLSISA	London Clay Formation - Clay, Silt And Sand	Eocene Epoch
12	383m NE	LC-CLSISA	London Clay Formation - Clay, Silt And Sand	Eocene Epoch
13	498m NE	LMBE- CLSISA	Lambeth Group - Clay, Silt And Sand	Paleocene Epoch

This data is sourced from the British Geological Survey.

14.6 Bedrock faults and other linear features (10k)

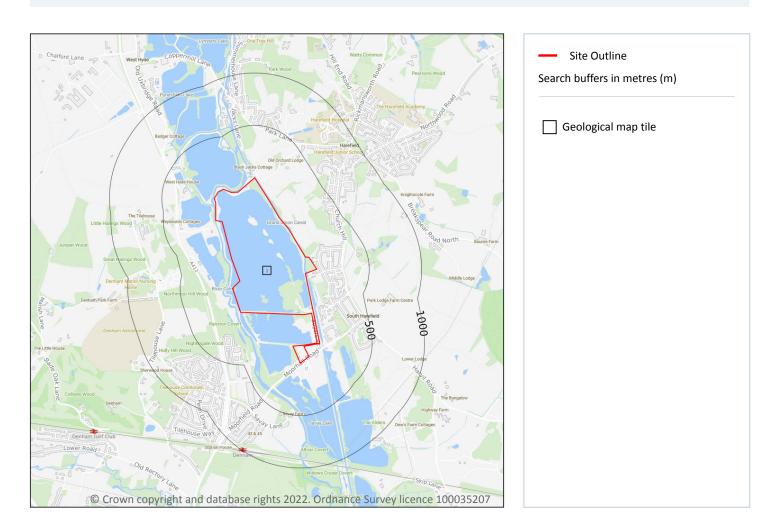
Records within 500m 0

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.





15 Geology 1:50,000 scale - Availability



15.1 50k Availability

Records within 500m 1

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

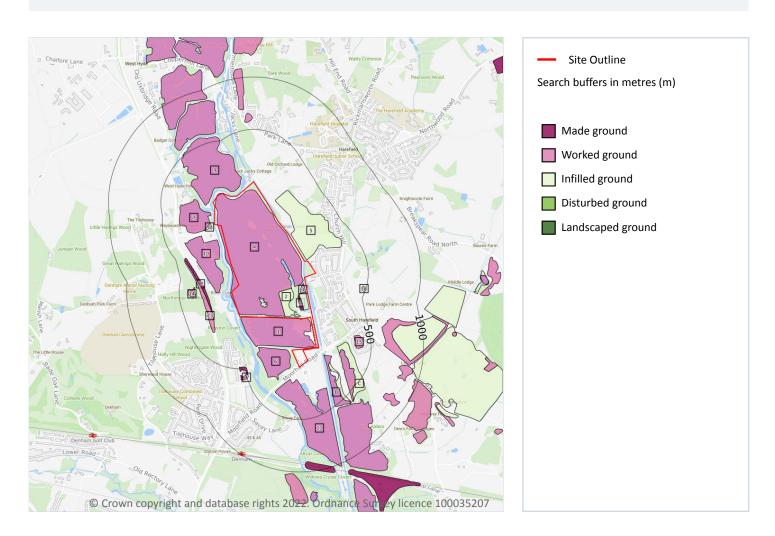
Features are displayed on the Geology 1:50,000 scale - Availability map on page 126

1	On site	Full	Full	Full	Full	EW255_beaconsfield_v4
ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.





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



15.2 Artificial and made ground (50k)

Records within 500m 23

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 127

ID	Location	LEX Code	Description	Rock description
1	On site	WGR-VOID	WORKED GROUND (UNDIVIDED)	VOID
2	On site	WMGR-ARTDP	INFILLED GROUND	ARTIFICIAL DEPOSIT
3	On site	WGR-VOID	WORKED GROUND (UNDIVIDED)	VOID
4	On site	WGR-VOID	WORKED GROUND (UNDIVIDED)	VOID





ID	Location	LEX Code	Description	Rock description
Α	On site	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT
Α	On site	WMGR-ARTDP	INFILLED GROUND	ARTIFICIAL DEPOSIT
5	12m E	WMGR-ARTDP	INFILLED GROUND	ARTIFICIAL DEPOSIT
6	34m S	WGR-VOID	WORKED GROUND (UNDIVIDED)	VOID
7	35m NW	WGR-VOID	WORKED GROUND (UNDIVIDED)	VOID
8	35m NW	WMGR-ARTDP	INFILLED GROUND	ARTIFICIAL DEPOSIT
9	40m NW	WGR-VOID	WORKED GROUND (UNDIVIDED)	VOID
10	67m W	WGR-VOID	WORKED GROUND (UNDIVIDED)	VOID
В	84m SE	WGR-VOID	WORKED GROUND (UNDIVIDED)	VOID
11	121m S	WGR-VOID	WORKED GROUND (UNDIVIDED)	VOID
С	174m SE	WMGR-ARTDP	INFILLED GROUND	ARTIFICIAL DEPOSIT
В	180m SE	WMGR-ARTDP	INFILLED GROUND	ARTIFICIAL DEPOSIT
С	202m SE	WGR-VOID	WORKED GROUND (UNDIVIDED)	VOID
12	225m SW	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT
13	236m SW	WGR-VOID	WORKED GROUND (UNDIVIDED)	VOID
14	346m SW	WGR-VOID	WORKED GROUND (UNDIVIDED)	VOID
15	348m SE	WGR-VOID	WORKED GROUND (UNDIVIDED)	VOID
16	460m E	WGR-VOID	WORKED GROUND (UNDIVIDED)	VOID
17	466m S	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT

This data is sourced from the British Geological Survey.

15.3 Artificial ground permeability (50k)

Records within 50m 5

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



BROADWATER LAKE, MOORHALL ROAD, HAREFIELD, UB9 6PE

Ref: GS-9151609 Your ref: 22-10-05 Grid ref: 504450 189568

Location	Flow type	Maximum permeability	Minimum permeability
On site	Mixed	Very High	Low
12m E	Mixed	Very High	Low
35m NW	Mixed	Very High	Low

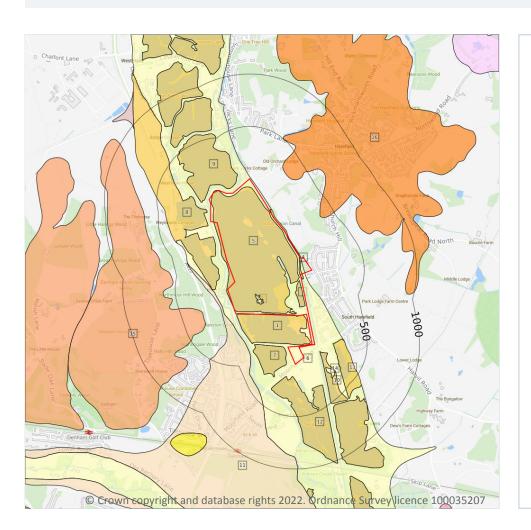
This data is sourced from the British Geological Survey.



08444 159 000



Geology 1:50,000 scale - Superficial



Site OutlineSearch buffers in metres (m)

Landslip (50k)

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

15.4 Superficial geology (50k)

Records within 500m

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 130

ID	Location	LEX Code	Description	Rock description
1	On site	SHGR-XSV	SHEPPERTON GRAVEL MEMBER	SAND AND GRAVEL
2	On site	ALV-XCZSV	ALLUVIUM	CLAY, SILT, SAND AND GRAVEL
3	On site	SHGR-XSV	SHEPPERTON GRAVEL MEMBER	SAND AND GRAVEL
4	On site	SHGR-XSV	SHEPPERTON GRAVEL MEMBER	SAND AND GRAVEL





ID	Location	LEX Code	Description	Rock description
5	On site	SHGR-XSV	SHEPPERTON GRAVEL MEMBER	SAND AND GRAVEL
6	On site	ALV-XCZSV	ALLUVIUM	CLAY, SILT, SAND AND GRAVEL
7	34m S	SHGR-XSV	SHEPPERTON GRAVEL MEMBER	SAND AND GRAVEL
8	35m NW	SHGR-XSV	SHEPPERTON GRAVEL MEMBER	SAND AND GRAVEL
9	40m NW	SHGR-XSV	SHEPPERTON GRAVEL MEMBER	SAND AND GRAVEL
10	84m SE	SHGR-XSV	SHEPPERTON GRAVEL MEMBER	SAND AND GRAVEL
11	87m SW	TPGR-XSV	TAPLOW GRAVEL MEMBER	SAND AND GRAVEL
12	121m S	SHGR-XSV	SHEPPERTON GRAVEL MEMBER	SAND AND GRAVEL
13	174m SE	SHGR-XSV	SHEPPERTON GRAVEL MEMBER	SAND AND GRAVEL
14	229m SE	ALV-XCZSV	ALLUVIUM	CLAY, SILT, SAND AND GRAVEL
15	297m SW	WIHG-XSV	WINTER HILL GRAVEL	SAND AND GRAVEL
16	316m N	GCGR-XSV	GERRARDS CROSS GRAVEL	SAND AND GRAVEL

This data is sourced from the British Geological Survey.

15.5 Superficial permeability (50k)

Records within 50m 14

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	Intergranular	High	Very Low
On site	Intergranular	High	Very Low
On site	Intergranular	High	Very Low
On site	Intergranular	Very High	High
On site	Intergranular	Very High	High
On site	Intergranular	Very High	High
On site	Intergranular	Very High	High
On site	Intergranular	Very High	High
5m N	Intergranular	Very High	High





Location	Flow type	Maximum permeability	Minimum permeability
34m S	Intergranular	Very High	High
35m NW	Intergranular	Very High	High
35m NW	Intergranular	Very High	High
40m NW	Intergranular	Very High	High
48m SE	Intergranular	High	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)

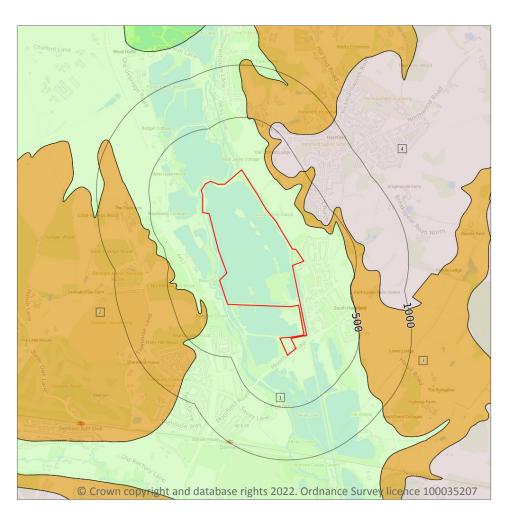
Records within 50m 0

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).





Geology 1:50,000 scale - Bedrock



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 4

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 133

ID	Location	LEX Code	Description	Rock age
1	On site	SNCK-CHLK	SEAFORD CHALK FORMATION AND NEWHAVEN CHALK FORMATION (UNDIFFERENTIATED) - CHALK	CONIACIAN
2	206m SW	LMBE-XCZS	LAMBETH GROUP - CLAY, SILT AND SAND	THANETIAN
3	215m N	LMBE-XCZS	LAMBETH GROUP - CLAY, SILT AND SAND	THANETIAN





ID	Location	LEX Code	Description	Rock age
4	280m N	LC-XCZS	LONDON CLAY FORMATION - CLAY, SILT AND SAND	YPRESIAN

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	Very High	Very High
On site	Fracture	Very High	Very High

This data is sourced from the British Geological Survey.

15.10 Bedrock faults and other linear features (50k)

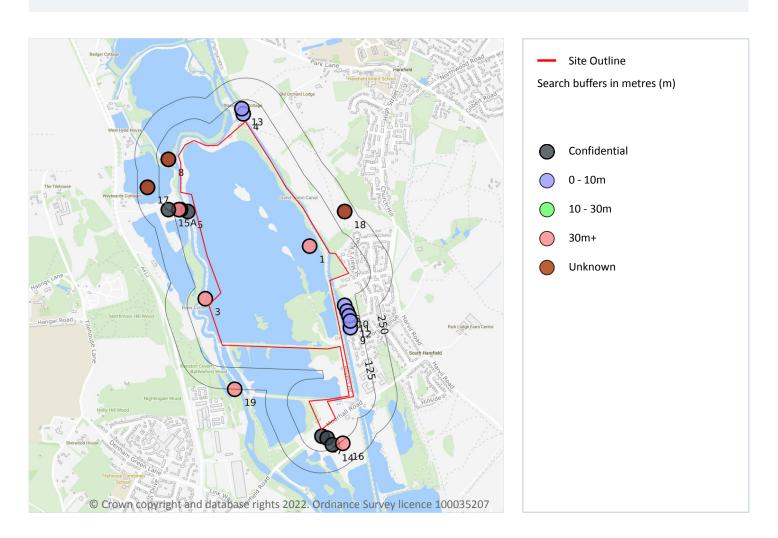
Records within 500m 0

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





16 Boreholes



16.1 BGS Boreholes

Records within 250m 21

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 135

		Grid reference	Name	Length	Confidential	Web link
1 Or	n site	504700 189600	AFFINITY WATER BROADWATER DENHAM BH 5	80.0	N	19289653
2 39	9m S	504770 188510	BLACKFORD PUMPING STATION, NO 3	-	Υ	N/A
3 41	1m SW	504100 189300	AFFINITY WATER BROADWATER DENHAM BH 3	57.0	N	19289652



BROADWATER LAKE, MOORHALL ROAD, HAREFIELD, UB9 6PE

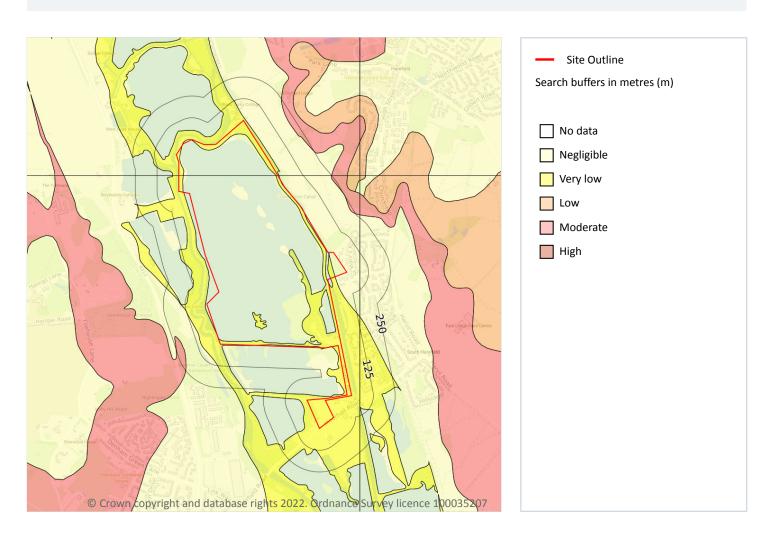
Ref: GS-9151609 Your ref: 22-10-05 Grid ref: 504450 189568

ID	Location	Grid reference	Name	Length	Confidential	Web link
4	45m N	504320 190360	JACKS LOCK, HAREFIELD	2.74	N	<u>577293</u>
5	45m NW	504000 189800	AFFINITY WATER BROADWATER DENHAM BH 1	-	Υ	N/A
6	56m SE	504902 189260	Widewater Embankment 87 WS01	2.4	N	20750296
7	58m S	504800 188500	BLACKFORD PUMPING STATION	-	Υ	N/A
8	60m NW	503890 190100	WEST HYDE	-1.0	N	577280
9	62m SE	504934 189134	Widewater Embankment 87 WS03	4.0	N	20750297
10	63m SE	504916 189229	Widewater Embankment 87 BH01	10.0	N	20764961
11	67m SE	504925 189202	Widewater Embankment 87 WS02	3.0	N	20764962
12	68m SE	504933 189171	Widewater Embankment 87 BH02	10.0	N	20750295
13	76m N	504310 190390	JACKS LOCK, HAREFIELD	3.2	N	577292
А	82m NW	503960 189810	NORTHMOOR	-	Υ	N/A
А	91m NW	503950 189810	NORTHMOOR NEAR DENHAM BUCKS	91.44	N	575342
14	108m S	504830 188460	MOORHALL ROAD HAREFIELD MIDDX	-	Υ	N/A
15	122m NW	503890 189810	THREE VALLEYS WATER, REDRICKS LANE PUMPING STATION	-	Υ	N/A
16	137m SE	504890 188470	MOORHALL ROAD HAREFIELD	91.44	N	575329
17	190m NW	503770 189940	WEST HYDE PIT, NORTHMOOR	-1.0	N	<u>575739</u>
18	195m NE	504900 189800	HAREFIELD	-1.0	N	575740
19	250m S	504270 188780	RANK LABS LTD NORTH ORBITAL ROAD	37.0	N	<u>575355</u>





17 Natural ground subsidence - Shrink swell clays



17.1 Shrink swell clays

Records within 50m 7

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 137

Location	Hazard rating	Details
On site	Negligible	Ground conditions predominantly non-plastic.
On site	Very low	Ground conditions predominantly low plasticity.
5m N	Negligible	Ground conditions predominantly non-plastic.



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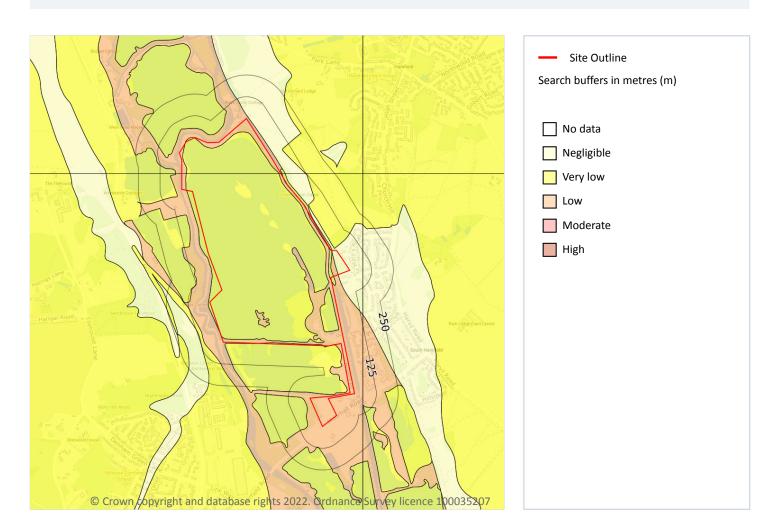
Ref: GS-9151609 Your ref: 22-10-05 Grid ref: 504450 189568

Location	Hazard rating	Details
34m S	Negligible	Ground conditions predominantly non-plastic.
35m NW	Negligible	Ground conditions predominantly non-plastic.
40m NW	Negligible	Ground conditions predominantly non-plastic.
48m SE	Very low	Ground conditions predominantly low plasticity.





Natural ground subsidence - Running sands



17.2 Running sands

Records within 50m 10

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 139

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.



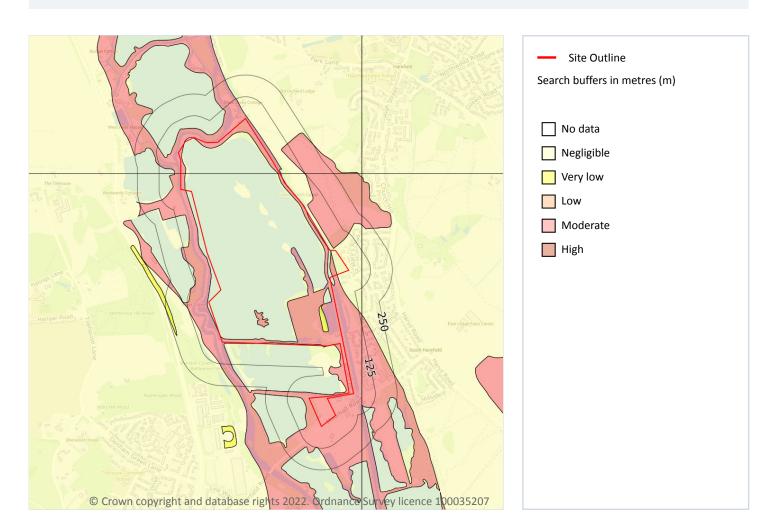


Location	Hazard rating	Details
On site	Very low	Running sand conditions are unlikely. No identified constraints on land use due to running conditions unless water table rises rapidly.
On site	Low	Running sand conditions may be present. Constraints may apply to land uses involving excavation or the addition or removal of water.
5m N	Very low	Running sand conditions are unlikely. No identified constraints on land use due to running conditions unless water table rises rapidly.
12m E	Very low	Running sand conditions are unlikely. No identified constraints on land use due to running conditions unless water table rises rapidly.
12m N	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.
34m S	Very low	Running sand conditions are unlikely. No identified constraints on land use due to running conditions unless water table rises rapidly.
35m NW	Very low	Running sand conditions are unlikely. No identified constraints on land use due to running conditions unless water table rises rapidly.
40m NW	Very low	Running sand conditions are unlikely. No identified constraints on land use due to running conditions unless water table rises rapidly.
48m SE	Low	Running sand conditions may be present. Constraints may apply to land uses involving excavation or the addition or removal of water.





Natural ground subsidence - Compressible deposits



17.3 Compressible deposits

Records within 50m 9

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 141

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.
5m N	Negligible	Compressible strata are not thought to occur.
12m E	Moderate	Compressibility and uneven settlement hazards are probably present. Land use should consider specifically the compressibility and variability of the site.
34m S	Negligible	Compressible strata are not thought to occur.
35m NW	Negligible	Compressible strata are not thought to occur.
40m NW	Negligible	Compressible strata are not thought to occur.
48m SE	Moderate	Compressibility and uneven settlement hazards are probably present. Land use should consider specifically the compressibility and variability of the site.





Natural ground subsidence - Collapsible deposits



17.4 Collapsible deposits

Records within 50m 7

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 143

Location	Hazard rating	Details
On site	Negligible	Deposits with potential to collapse when loaded and saturated are believed not to be present.
On site	Very low	Deposits with potential to collapse when loaded and saturated are unlikely to be present.
5m N	Very low	Deposits with potential to collapse when loaded and saturated are unlikely to be present.



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Ref: GS-9151609 Your ref: 22-10-05 Grid ref: 504450 189568

Location	Hazard rating	Details
34m S	Very low	Deposits with potential to collapse when loaded and saturated are unlikely to be present.
35m NW	Very low	Deposits with potential to collapse when loaded and saturated are unlikely to be present.
40m NW	Very low	Deposits with potential to collapse when loaded and saturated are unlikely to be present.
48m SE	Negligible	Deposits with potential to collapse when loaded and saturated are believed not to be present.





Natural ground subsidence - Landslides



17.5 Landslides

Records within 50m 5

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 145

Location	Hazard rating	Details
On site	Negligible	Slope instability problems are not thought to occur but consideration to potential problems of adjacent areas impacting on the site should always be considered.



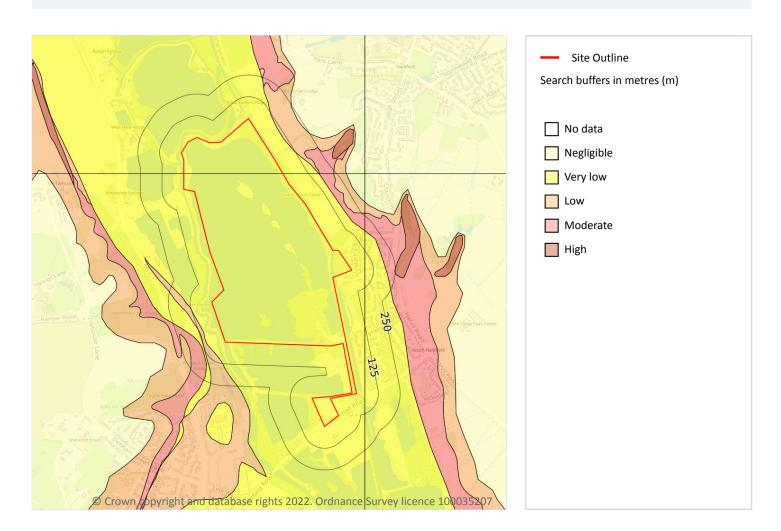


Location	Hazard rating	Details
On site	Very low	Slope instability problems are not likely to occur but consideration to potential problems of adjacent areas impacting on the site should always be considered.
12m E	Very low	Slope instability problems are not likely to occur but consideration to potential problems of adjacent areas impacting on the site should always be considered.
12m N	Negligible	Slope instability problems are not thought to occur but consideration to potential problems of adjacent areas impacting on the site should always be considered.
48m SE	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.





Natural ground subsidence - Ground dissolution of soluble rocks



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** 147

Location	Hazard rating	Details
On site	Very low	Soluble rocks are present within the ground. Few dissolution features are likely to be present. Potential for difficult ground conditions or localised subsidence are at a level where they need not be considered.



Date: 25 October 2022



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Ref: GS-9151609 Your ref: 22-10-05 Grid ref: 504450 189568

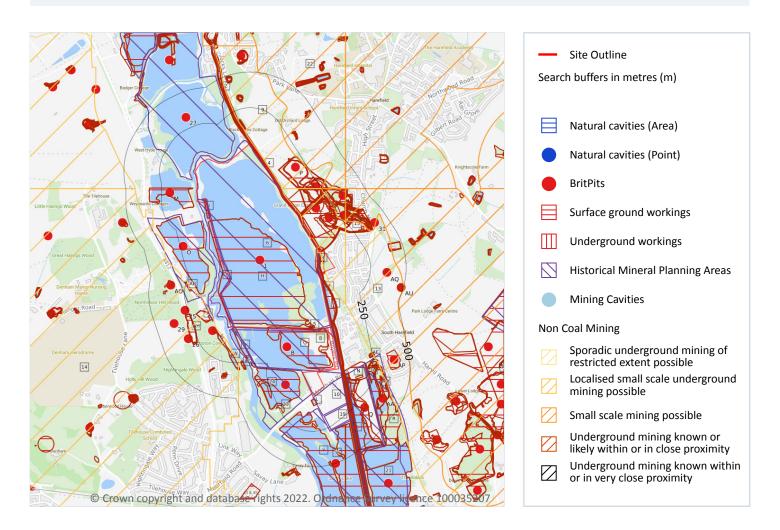
Location	Hazard rating	Details
48m SE	Very low	Soluble rocks are present within the ground. Few dissolution features are likely to be present. Potential for difficult ground conditions or localised subsidence are at a level where they need not be considered.

This data is sourced from the British Geological Survey.





18 Mining, ground workings and natural cavities



18.1 Natural cavities

Records within 500m 0

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

This data is sourced from Stantec UK Ltd.





18.2 BritPits

Records within 500m 23

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, ground workings and natural cavities map on page 149

ID	Location	Details	Description
1	On site	Name: Broadwater Farm Address: Harefield, UXBRIDGE, Middlesex Commodity: Sand & Gravel Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
В	128m S	Name: Harefield Pit Address: Harefield, Denham, UXBRIDGE, Middlesex Commodity: Sand & Gravel Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
16	131m W	Name: Battlesford Wood Chalk Pit Address: Denham Green, UXBRIDGE, Middlesex Commodity: Chalk Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
Е	133m NE	Name: Harefield Cement & Brick Works Address: Harefield, NORTHWOOD, Middlesex Commodity: Chalk Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
А	141m SW	Name: Harefield Pit Address: South Harefield, NORTHWOOD, Middlesex Commodity: Sand & Gravel Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority



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ID	Location	Details	Description
E	176m NE	Name: Harefield Cement, Lime & Brick Works Address: HAREFIELD, Middlesex Commodity: Chalk Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
Р	180m NE	Name: Harefield Cement, Lime & Brick Works Address: Harefield, NORTHWOOD, Middlesex Commodity: Chalk Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
M	190m W	Name: Broadwater Farm Gravel Pit Address: Denham Green, GERRARDS CROSS, Buckinghamshire Commodity: Sand & Gravel Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
U	222m NE	Name: Harefield Cement, Lime & Brick Works Address: Harefield, NORTHWOOD, Middlesex Commodity: Chalk Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
0	231m W	Name: Broadwater Farm Gravel Pit Address: Denham Green, GERRARDS CROSS, Buckinghamshire Commodity: Sand & Gravel Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
25	269m W	Name: Battlesford Wood Chalk Pit Address: Denham Green, UXBRIDGE, Middlesex Commodity: Chalk Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority



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10	Lasti	Dataila	Description
ID	Location	Details	Description
Z	279m NE	Name: Harefield Cement, Lime & Brick Works Address: Harefield, NORTHWOOD, Middlesex Commodity: Clay & Shale Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
26	310m W	Name: Northmoor Hill Gravel Pit Address: Denham Green, UXBRIDGE, Middlesex Commodity: Sand & Gravel Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
Q	321m SE	Name: Broadwater Lake Gravel Pit Address: South Harefield, NORTHWOOD, Middlesex Commodity: Sand & Gravel Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
27	331m NW	Name: Troy Mill Gravel Pit Address: West Hyde, RICKMANSWORTH, Hertfordshire Commodity: Sand & Gravel Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
AF	340m NE	Name: Harefield Cement, Lime & Brick Works Address: Harefield, NORTHWOOD, Middlesex Commodity: Clay & Shale Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
AO	351m W	Name: Northmoor Hill Wood Chalk Pit Address: Denham Green, UXBRIDGE, Middlesex Commodity: Chalk Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority



ID	Location	Details	Description
AQ	365m E	Name: Harefield Place Pit Address: HAREFIELD, Middlesex Commodity: Chalk Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
AA	370m SE	Name: Broadwater Lake Gravel Pit Address: South Harefield, NORTHWOOD, Middlesex Commodity: Sand & Gravel Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
29	373m W	Name: Northmoor Hill Wood Gravel Pit Address: Denham Green, UXBRIDGE, Middlesex Commodity: Sand & Gravel Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
AP	393m E	Name: Lodge Farm Chalk Pit Address: Harefield, UXBRIDGE, Middlesex Commodity: Chalk Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
31	407m NE	Name: Harefield Pit Address: Harefield, UXBRIDGE, Middlesex Commodity: Chalk Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
AU	485m E	Name: Moorhall Dell Address: Harefield, UXBRIDGE, Middlesex Commodity: Chalk Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority

This data is sourced from the British Geological Survey.





18.3 Surface ground workings

Records within 250m 115

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

Features are displayed on the Mining, ground workings and natural cavities map on page 149

ID	Location	Land Use	Year of mapping	Mapping scale
2	On site	Canal	1970	1:10560
3	On site	Unspecified Wharf	1912	1:10560
4	On site	Canal	1960	1:10560
5	On site	Pond	1959	1:10560
С	On site	Canal	1865	1:10560
С	On site	Canal	1949	1:10560
С	On site	Canal	1934	1:10560
С	On site	Canal	1934	1:10560
С	On site	Canal	1912	1:10560
С	On site	Canal	1895	1:10560
С	On site	Canal	1898	1:10560
С	On site	Canal	1938	1:10560
С	On site	Canal	1897	1:10560
D	On site	Cement Lime and Brick Works	1898	1:10560
D	On site	Cement Lime and Brick Works	1897	1:10560
E	On site	Brick and Cement Works	1912	1:10560
E	On site	Cement Lime Brick and Tile Works	1900	1:10560
E	On site	Disused Cement and Brick Works	1949	1:10560
E	On site	Disused Cement and Brick Works	1934	1:10560
E	On site	Cement Lime Brick and Tile Works	1895	1:10560
F	On site	Canal	1959	1:10560
F	On site	Canal	1989	1:10000
F	On site	Canal	1974	1:10000





ID	Location	Land Use	Year of mapping	Mapping scale
G	On site	Gravel Pit	1989	1:10000
G	On site	Gravel Pit	1974	1:10000
Н	On site	Gravel Pit	1989	1:10000
Н	On site	Gravel Pit	1974	1:10000
I	On site	Gravel Pit	1989	1:10000
1	On site	Gravel Pit	1974	1:10000
8	1m S	Pond	1959	1:10560
J	4m S	Gravel Pit	1989	1:10000
J	4m S	Gravel Pit	1974	1:10000
K	13m E	Canal	1882	1:10560
Е	19m NE	Refuse Heap	1989	1:10000
Е	19m NE	Refuse Heap	1974	1:10000
L	27m SE	Reservoir	1989	1:10000
L	27m SE	Reservoir	1974	1:10000
M	32m W	Gravel Pit	1989	1:10000
M	32m W	Gravel Pit	1974	1:10000
А	35m SW	Gravel Pit	1989	1:10000
Ν	35m SE	Unspecified Wharf	1949	1:10560
Ν	35m SE	Unspecified Wharf	1934	1:10560
K	58m SE	Unspecified Wharf	1895	1:10560
K	58m SE	Unspecified Wharf	1882	1:10560
K	61m SE	Unspecified Wharf	1897	1:10560
K	63m SE	Unspecified Wharf	1865	1:10560
0	64m W	Gravel Pit	1989	1:10000
0	64m W	Gravel Pit	1974	1:10000
Р	67m NE	Refuse Heap	1974	1:10000
Р	67m NE	Refuse Heap	1987	1:10000
Е	70m NE	Unspecified Quarry	1865	1:10560





ID	Location	Land Use	Year of mapping	Mapping scale
R	82m SE	Ponds	1959	1:10560
S	82m SE	Canal	1959	1:10560
S	82m SE	Canal	1987	1:10000
S	82m SE	Canal	1973	1:10000
Т	82m SE	Pond	1987	1:10000
Т	82m SE	Gravel Pit	1973	1:10000
R	82m SE	Ponds	1969	1:10560
D	87m NE	Ponds	1912	1:10560
K	87m SE	Unspecified Wharf	1912	1:10560
Т	87m SE	Water Body	1949	1:10560
Т	87m SE	Water Body	1934	1:10560
U	96m NE	Unspecified Ground Workings	1938	1:10560
Р	99m NE	Disused Chalk Pit	1949	1:10560
Р	99m NE	Disused Chalk Pit	1934	1:10560
Р	101m NE	Disused Chalk Pit	1960	1:10560
Р	102m NE	Disused Chalk Pit	1970	1:10560
W	102m SW	Pond	1989	1:10000
W	102m SW	Pond	1974	1:10000
Χ	108m W	Sewage Works	1949	1:10560
15	115m NE	Unspecified Ground Workings	1938	1:10560
Χ	116m W	Sewage Works	1989	1:10000
Χ	116m W	Sewage Works	1974	1:10000
Υ	117m S	Gravel Pit	1989	1:10000
Υ	117m S	Gravel Pit	1974	1:10000
Z	125m NE	Unspecified Pits	1912	1:10560
Е	130m NE	Disused Chalk Pit	1949	1:10560
Е	130m NE	Disused Chalk Pit	1934	1:10560
17	132m NE	Unspecified Pit	1959	1:10560





ID	Location	Land Use	Year of mapping	Mapping scale
N	132m SE	Unspecified Wharf	1938	1:10560
18	148m SW	Gravel Pit	1974	1:10000
S	151m S	Canal	1969	1:10560
Е	167m NE	Unspecified Heap	1949	1:10560
Е	167m NE	Unspecified Heap	1934	1:10560
Е	172m NE	Unspecified Heap	1959	1:10560
Е	180m NE	Unspecified Ground Workings	1897	1:10560
20	182m E	Unspecified Wharf	1959	1:10560
AA	199m E	Gravel Pit	1987	1:10000
AA	199m E	Gravel Pit	1973	1:10000
AB	205m W	Pond	1989	1:10000
AB	205m W	Pond	1974	1:10000
U	205m NE	Unspecified Heap	1959	1:10560
AC	209m NE	Unspecified Ground Workings	1959	1:10560
AC	211m NE	Disused Copper Workings	1987	1:10000
AC	211m NE	Refuse Heap	1973	1:10000
AC	213m NE	Unspecified Ground Workings	1969	1:10560
AD	214m E	Pond	1938	1:10560
23	217m SW	Refuse Heap	1959	1:10560
AD	221m E	Pond	1949	1:10560
AD	221m E	Pond	1934	1:10560
AE	226m E	Pond	1895	1:10560
Z	228m NE	Unspecified Pit	1900	1:10560
AE	232m E	Pond	1865	1:10560
AG	237m S	Pond	1882	1:10560
AF	239m NE	Unspecified Ground Workings	1949	1:10560
AF	239m NE	Unspecified Ground Workings	1934	1:10560
AG	242m S	Pond	1949	1:10560





ID	Location	Land Use	Year of mapping	Mapping scale
AG	242m S	Pond	1934	1:10560
AG	242m S	Pond	1912	1:10560
АН	243m W	Cuttings	1949	1:10560
АН	243m W	Cuttings	1938	1:10560
АН	244m W	Cuttings	1959	1:10560
АН	244m W	Cuttings	1989	1:10000
АН	244m W	Cuttings	1974	1:10000
24	247m W	Refuse Heap	1959	1:10560

This is data is sourced from Ordnance Survey/Groundsure.

18.4 Underground workings

Records within 1000m 0

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

This is data is sourced from Ordnance Survey/Groundsure.

18.5 Historical Mineral Planning Areas

Records within 500m 11

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, ground workings and natural cavities map on page 149

ID	Location	Site Name	Mineral	Туре	Planning Status	Planning Status Date
6	On site	Broadwater Farm	Sand and gravel	Surface mineral working	Valid	30/6/48, 22/5/69
7	On site	Harefield Pit	Sand and gravel	Surface mineral working	Valid	30/6/48, 22/5/69
Α	On site	Harefield Pit	Sand and gravel	Surface mineral working	Valid	30/6/48, 22/5/69





ID	Location	Site Name	Mineral	Туре	Planning Status	Planning Status Date
В	On site	Harefield Pit	Sand and gravel	Surface mineral working	Valid	Not available
10	14m SE	Moor	Sand and gravel	Surface mineral working	Refused	Not available
11	33m N	Troy Mill	Sand and gravel	Surface mineral working	Valid	30/8/54, 17/11/52
12	47m W	Not available	Sand and gravel	Surface mineral working	Application	Not available
Q	69m SE	Broadwater Lake	Sand and gravel	Surface mineral working	Valid	30/6/48, 22/10/51
V	97m S	Moorhall Road	Sand and gravel	Surface mineral working	Valid	30/6/48, 22/10/51
19	167m SE	Moor	Sand and gravel	Surface mineral working	Application	Not available
21	185m E	Broadwater Lake	Sand and gravel	Surface mineral working	Valid	Not available

This data is sourced from the British Geological Survey.

18.6 Non-coal mining

Records within 1000m 11

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

Features are displayed on the Mining, ground workings and natural cavities map on page 149

ID	Location	Name	Commodity	Class	Likelihood
D	On site	Not available	Chalk	В	Localised small scale underground mining may have occurred. Potential for difficult ground conditions are unlikely or localised and are at a level where they need not be considered
9	12m NE	Not available	Chalk	В	Localised small scale underground mining may have occurred. Potential for difficult ground conditions are unlikely or localised and are at a level where they need not be considered



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ID	Location	Name	Commodity	Class	Likelihood
13	75m E	Not available	Chalk	В	Localised small scale underground mining may have occurred. Potential for difficult ground conditions are unlikely or localised and are at a level where they need not be considered
14	87m SW	Not available	Chalk	В	Localised small scale underground mining may have occurred. Potential for difficult ground conditions are unlikely or localised and are at a level where they need not be considered
22	215m NE	Not available	Chalk	С	Small scale underground mining may have occurred; mine adits, shafts and tunnels may be present. Potential for localised difficult ground conditions are at a level where they should be considered
AF	235m NE	Not available	Chalk	С	Small scale underground mining may have occurred; mine adits, shafts and tunnels may be present. Potential for localised difficult ground conditions are at a level where they should be considered
AI	264m NE	Not available	Chalk	С	Small scale underground mining may have occurred; mine adits, shafts and tunnels may be present. Potential for localised difficult ground conditions are at a level where they should be considered
30	383m NE	Not available	Chalk	С	Small scale underground mining may have occurred; mine adits, shafts and tunnels may be present. Potential for localised difficult ground conditions are at a level where they should be considered
32	435m W	Not available	Chalk	В	Localised small scale underground mining may have occurred. Potential for difficult ground conditions are unlikely or localised and are at a level where they need not be considered
34	683m N	Not available	Chalk	С	Small scale underground mining may have occurred; mine adits, shafts and tunnels may be present. Potential for localised difficult ground conditions are at a level where they should be considered
40	862m SW	Not available	Chalk	А	Sporadic underground mining of restricted extent may have occurred. Potential for difficult ground conditions are unlikely and localised and are at a level where they need not be considered

This data is sourced from the British Geological Survey.



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0

18.7 Mining cavities

Records within 1000m

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

This data is sourced from Stantec UK Ltd.

18.8 JPB mining areas

Records on site 0

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

This data is sourced from Johnson Poole and Bloomer.

18.9 Coal mining

Records on site 0

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

This data is sourced from the Coal Authority.

18.10 Brine areas

Records on site 0

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

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

18.11 Gypsum areas

Records on site 0

Generalised areas that may be affected by gypsum extraction.

This data is sourced from British Gypsum.





18.12 Tin mining

Records on site 0

Generalised areas that may be affected by historical tin mining.

This data is sourced from Groundsure.

18.13 Clay mining

Records on site 0

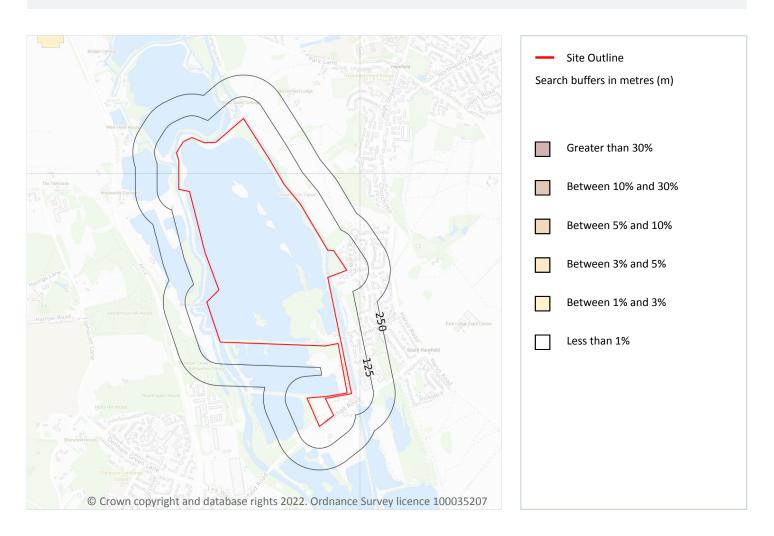
Generalised areas that may be affected by kaolin and ball clay extraction.

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





19 Radon



19.1 Radon

Records on site 1

Estimated percentage of dwellings exceeding the Radon Action Level. This data is the highest resolution radon dataset available for the UK and is produced to a 75m level of accuracy to allow for geological data accuracy and a 'residential property' buffer. The findings of this section should supersede any estimations derived from the Indicative Atlas of Radon in Great Britain. The data was derived from both geological assessments and long term measurements of radon in more than 479,000 households.

Features are displayed on the Radon map on page 163

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

This data is sourced from the British Geological Survey and Public Health England.





20 Soil chemistry

20.1 BGS Estimated Background Soil Chemistry

Records within 50m 46

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	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 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	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
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	No data	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	No data	No data
On site	No data	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	No data	No data
On site	No data	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	No data	No data
On site	No data	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	No data	No data
On site	No data	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	No data	No data
On site	No data	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	No data	No data
On site	No data	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	No data	No data
On site	No data	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	No data	No data
On site	No data	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	No data	No data
On site	No data	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	No data	No data
On site	No data	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	No data	No data
5m N	No data	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	No data	No data
6m SE	No data	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	No data	No data
11m SE	No data	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	No data	No data





Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
12m N	No data	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	No data	No data
12m W	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
20m N	No data	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	No data	No data
22m S	No data	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	No data	No data
22m S	No data	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	No data	No data
32m S	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
32m S	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
34m S	No data	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	No data	No data
35m NW	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	40 - 60 mg/kg	15 - 30 mg/kg
35m NW	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	40 - 60 mg/kg	15 - 30 mg/kg
40m NW	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	40 - 60 mg/kg	15 - 30 mg/kg
45m NW	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	40 - 60 mg/kg	15 - 30 mg/kg
48m SE	No data	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	No data	No data
48m SE	No data	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	No data	No data
49m S	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg

This data is sourced from the British Geological Survey.

20.2 BGS Estimated Urban Soil Chemistry

Records within 50m 139

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).



Date: 25 October 2022



Location	Arsenic (mg/kg)	Bioaccessible Arsenic (mg/kg)	Lead (mg/kg)	Bioaccessible Lead (mg/kg)	Cadmium (mg/kg)	Chromiu m (mg/kg)	Copper (mg/kg)	Nickel (mg/kg)	Tin (mg/k g)
On site	10	1.8	86	59	0.6	69	36	31	8
On site	10	1.8	88	60	0.7	67	37	30	8
On site	10	1.8	80	55	0.7	67	35	30	7
On site	10	1.8	86	59	0.6	68	37	31	8
On site	11	1.9	92	63	0.7	65	38	30	9
On site	11	1.9	92	63	0.7	65	39	30	9
On site	11	1.9	90	62	0.7	61	37	28	9
On site	11	1.9	91	63	0.6	76	39	33	9
On site	11	1.9	88	60	0.7	64	37	29	9
On site	11	1.9	97	67	0.6	72	39	31	9
On site	11	1.9	94	65	0.6	77	40	33	10
On site	11	1.9	88	60	0.7	70	38	31	9
On site	11	1.9	97	67	0.6	70	39	31	10
On site	11	1.9	87	60	0.7	78	39	34	8
On site	11	1.9	113	78	0.7	67	42	29	11
On site	11	1.9	112	77	0.6	70	42	30	12
On site	11	1.9	86	59	0.6	81	40	35	8
On site	11	1.9	87	60	0.7	77	39	34	8
On site	11	1.9	94	65	0.7	74	40	32	9
On site	12	2.1	95	65	0.6	79	40	34	10
On site	12	2.1	100	69	0.6	79	39	33	9
On site	12	2.1	101	69	0.6	72	40	32	10
On site	12	2.1	98	67	0.7	72	40	32	10
On site	12	2.1	95	65	0.7	71	40	32	9
On site	12	2.1	98	67	0.6	80	41	34	10
On site	12	2.1	99	68	0.6	80	39	33	9
On site	12	2.1	102	70	0.6	80	40	33	10





On site 12 2.1 102 70 0.6 74 40 32 10 On site 12 2.1 98 67 0.7 74 40 33 9 On site 12 2.1 107 74 0.6 73 41 31 11 On site 12 2.1 101 69 0.6 79 41 34 11 On site 12 2.1 102 70 0.5 82 39 34 9 On site 12 2.1 105 72 0.5 81 40 34 10 On site 12 2.1 104 71 0.6 75 41 33 10 On site 12 2.1 104 71 0.6 76 40 34 9 On site 12 2.1 123 85 0.7 77 40 34 9 <t< th=""><th>Location</th><th>Arsenic (mg/kg)</th><th>Bioaccessible Arsenic (mg/kg)</th><th>Lead (mg/kg)</th><th>Bioaccessible Lead (mg/kg)</th><th>Cadmium (mg/kg)</th><th>Chromiu m (mg/kg)</th><th>Copper (mg/kg)</th><th>Nickel (mg/kg)</th><th>Tin (mg/k g)</th></t<>	Location	Arsenic (mg/kg)	Bioaccessible Arsenic (mg/kg)	Lead (mg/kg)	Bioaccessible Lead (mg/kg)	Cadmium (mg/kg)	Chromiu m (mg/kg)	Copper (mg/kg)	Nickel (mg/kg)	Tin (mg/k g)
On site 12 2.1 94 65 0.7 74 40 33 9 On site 12 2.1 107 74 0.6 73 41 31 11 On site 12 2.1 101 69 0.6 79 41 34 11 On site 12 2.1 102 70 0.5 82 39 34 9 On site 12 2.1 105 72 0.5 81 40 34 10 On site 12 2.1 104 71 0.6 75 41 33 10 On site 12 2.1 104 71 0.6 76 40 33 9 On site 12 2.1 123 85 0.7 67 43 29 12 On site 12 2.1 117 80 0.6 72 43 31 13 <	On site	12	2.1	102	70	0.6	74	40	32	10
On site 12 2.1 107 74 0.6 73 41 31 11 On site 12 2.1 101 69 0.6 79 41 34 11 On site 12 2.1 102 70 0.5 82 39 34 9 On site 12 2.1 105 72 0.5 81 40 34 10 On site 12 2.1 104 71 0.6 75 41 33 10 On site 12 2.1 92 63 0.7 77 40 34 9 On site 12 2.1 123 85 0.7 67 43 29 12 On site 12 2.1 117 80 0.6 72 43 31 13 On site 12 2.1 101 69 0.6 76 41 32 11	On site	12	2.1	98	67	0.7	74	40	33	9
On site 12 2.1 101 69 0.6 79 41 34 11 On site 12 2.1 102 70 0.5 82 39 34 9 On site 12 2.1 105 72 0.5 81 40 34 10 On site 12 2.1 104 71 0.6 75 41 33 10 On site 12 2.1 98 67 0.6 76 40 33 9 On site 12 2.1 123 85 0.7 67 43 29 12 On site 12 2.1 117 80 0.6 72 43 31 13 On site 12 2.1 101 69 0.6 76 41 33 10 On site 12 2.1 111 76 0.6 75 41 32 11	On site	12	2.1	94	65	0.7	74	40	33	9
On site 12 2.1 102 70 0.5 82 39 34 9 On site 12 2.1 105 72 0.5 81 40 34 10 On site 12 2.1 104 71 0.6 75 41 33 10 On site 12 2.1 98 67 0.6 76 40 33 9 On site 12 2.1 92 63 0.7 77 40 34 9 On site 12 2.1 123 85 0.7 67 43 29 12 On site 12 2.1 101 69 0.6 76 41 33 10 On site 12 2.1 101 69 0.6 76 41 32 11 On site 12 2.1 101 76 0.6 75 41 32 11 <t< td=""><td>On site</td><td>12</td><td>2.1</td><td>107</td><td>74</td><td>0.6</td><td>73</td><td>41</td><td>31</td><td>11</td></t<>	On site	12	2.1	107	74	0.6	73	41	31	11
On site 12 2.1 105 72 0.5 81 40 34 10 On site 12 2.1 104 71 0.6 75 41 33 10 On site 12 2.1 98 67 0.6 76 40 34 9 On site 12 2.1 92 63 0.7 77 40 34 9 On site 12 2.1 123 85 0.7 67 43 29 12 On site 12 2.1 117 80 0.6 72 43 31 13 On site 12 2.1 101 69 0.6 76 41 33 10 On site 12 2.1 111 76 0.6 75 41 32 11 On site 12 2.1 103 71 0.5 82 42 35 11 <	On site	12	2.1	101	69	0.6	79	41	34	11
On site 12 2.1 104 71 0.6 75 41 33 10 On site 12 2.1 98 67 0.6 76 40 33 9 On site 12 2.1 92 63 0.7 77 40 34 9 On site 12 2.1 123 85 0.7 67 43 29 12 On site 12 2.1 117 80 0.6 72 43 31 13 On site 12 2.1 101 69 0.6 76 41 33 10 On site 12 2.1 101 76 0.6 78 40 34 9 On site 12 2.1 103 71 0.6 76 41 32 11 On site 13 2.3 103 71 0.5 82 42 35 11 <t< td=""><td>On site</td><td>12</td><td>2.1</td><td>102</td><td>70</td><td>0.5</td><td>82</td><td>39</td><td>34</td><td>9</td></t<>	On site	12	2.1	102	70	0.5	82	39	34	9
On site 12 2.1 98 67 0.6 76 40 33 9 On site 12 2.1 92 63 0.7 77 40 34 9 On site 12 2.1 123 85 0.7 67 43 29 12 On site 12 2.1 117 80 0.6 72 43 31 13 On site 12 2.1 101 69 0.6 76 41 33 10 On site 12 2.1 101 76 0.6 78 40 34 9 On site 12 2.1 111 76 0.6 75 41 32 11 On site 13 2.3 103 71 0.5 82 42 35 11 On site 13 2.3 110 76 0.5 82 43 34 12 <t< td=""><td>On site</td><td>12</td><td>2.1</td><td>105</td><td>72</td><td>0.5</td><td>81</td><td>40</td><td>34</td><td>10</td></t<>	On site	12	2.1	105	72	0.5	81	40	34	10
On site 12 2.1 92 63 0.7 77 40 34 9 On site 12 2.1 123 85 0.7 67 43 29 12 On site 12 2.1 117 80 0.6 72 43 31 13 On site 12 2.1 101 69 0.6 76 41 33 10 On site 12 2.1 92 63 0.6 78 40 34 9 On site 12 2.1 111 76 0.6 75 41 32 11 On site 13 2.3 103 71 0.5 82 42 35 11 On site 13 2.3 121 83 0.6 75 44 32 13 On site 13 2.3 109 75 0.5 85 43 36 11 <	On site	12	2.1	104	71	0.6	75	41	33	10
On site 12 2.1 123 85 0.7 67 43 29 12 On site 12 2.1 117 80 0.6 72 43 31 13 On site 12 2.1 101 69 0.6 76 41 33 10 On site 12 2.1 92 63 0.6 78 40 34 9 On site 12 2.1 111 76 0.6 75 41 32 11 On site 12 2.1 103 71 0.6 76 41 32 10 On site 13 2.3 103 71 0.5 82 42 35 11 On site 13 2.3 110 76 0.5 82 43 34 12 On site 13 2.3 109 75 0.5 85 43 36 11	On site	12	2.1	98	67	0.6	76	40	33	9
On site 12 2.1 117 80 0.6 72 43 31 13 On site 12 2.1 101 69 0.6 76 41 33 10 On site 12 2.1 92 63 0.6 78 40 34 9 On site 12 2.1 111 76 0.6 75 41 32 11 On site 12 2.1 103 71 0.6 76 41 32 10 On site 13 2.3 103 71 0.5 82 42 35 11 On site 13 2.3 100 76 0.5 82 43 34 12 On site 13 2.3 109 75 0.5 85 43 36 11 On site 13 2.3 106 73 0.5 84 40 34 10	On site	12	2.1	92	63	0.7	77	40	34	9
On site 12 2.1 101 69 0.6 76 41 33 10 On site 12 2.1 92 63 0.6 78 40 34 9 On site 12 2.1 111 76 0.6 75 41 32 11 On site 12 2.1 103 71 0.6 76 41 32 10 On site 13 2.3 103 71 0.5 82 42 35 11 On site 13 2.3 121 83 0.6 75 44 32 13 On site 13 2.3 110 76 0.5 82 43 34 12 On site 13 2.3 109 75 0.5 85 43 36 11 On site 13 2.3 109 75 0.5 83 40 34 10	On site	12	2.1	123	85	0.7	67	43	29	12
On site 12 2.1 92 63 0.6 78 40 34 9 On site 12 2.1 111 76 0.6 75 41 32 11 On site 12 2.1 103 71 0.6 76 41 32 10 On site 13 2.3 103 71 0.5 82 42 35 11 On site 13 2.3 121 83 0.6 75 44 32 13 On site 13 2.3 110 76 0.5 82 43 34 12 On site 13 2.3 109 75 0.5 85 43 36 11 On site 13 2.3 106 73 0.5 84 40 34 10 On site 13 2.3 108 74 0.6 77 41 33 10 On site 13 2.3 161 111 0.7 67 51 2	On site	12	2.1	117	80	0.6	72	43	31	13
On site 12 2.1 111 76 0.6 75 41 32 11 On site 12 2.1 103 71 0.6 76 41 32 10 On site 13 2.3 103 71 0.5 82 42 35 11 On site 13 2.3 121 83 0.6 75 44 32 13 On site 13 2.3 110 76 0.5 82 43 34 12 On site 13 2.3 109 75 0.5 85 43 36 11 On site 13 2.3 106 73 0.5 84 40 34 10 On site 13 2.3 108 74 0.6 77 41 33 10 On site 13 2.3 161 111 0.7 67 51 28 18	On site	12	2.1	101	69	0.6	76	41	33	10
On site 12 2.1 103 71 0.6 76 41 32 10 On site 13 2.3 103 71 0.5 82 42 35 11 On site 13 2.3 121 83 0.6 75 44 32 13 On site 13 2.3 110 76 0.5 82 43 34 12 On site 13 2.3 109 75 0.5 85 43 36 11 On site 13 2.3 106 73 0.5 84 40 34 10 On site 13 2.3 109 75 0.5 83 40 34 10 On site 13 2.3 108 74 0.6 77 41 33 10 On site 13 2.3 156 107 0.7 67 51 28 18 On site 13 2.3 149 102 0.6 72 50 <t< td=""><td>On site</td><td>12</td><td>2.1</td><td>92</td><td>63</td><td>0.6</td><td>78</td><td>40</td><td>34</td><td>9</td></t<>	On site	12	2.1	92	63	0.6	78	40	34	9
On site 13 2.3 103 71 0.5 82 42 35 11 On site 13 2.3 121 83 0.6 75 44 32 13 On site 13 2.3 110 76 0.5 82 43 34 12 On site 13 2.3 109 75 0.5 85 43 36 11 On site 13 2.3 106 73 0.5 84 40 34 10 On site 13 2.3 109 75 0.5 83 40 34 10 On site 13 2.3 108 74 0.6 77 41 33 10 On site 13 2.3 161 111 0.7 67 51 28 18 On site 13 2.3 156 107 0.7 67 51 28 19 On site 13 2.3 149 102 0.6 72 50 <	On site	12	2.1	111	76	0.6	75	41	32	11
On site 13 2.3 121 83 0.6 75 44 32 13 On site 13 2.3 110 76 0.5 82 43 34 12 On site 13 2.3 109 75 0.5 85 43 36 11 On site 13 2.3 106 73 0.5 84 40 34 10 On site 13 2.3 109 75 0.5 83 40 34 10 On site 13 2.3 108 74 0.6 77 41 33 10 On site 13 2.3 161 111 0.7 67 51 28 18 On site 13 2.3 156 107 0.7 67 51 28 19 On site 13 2.3 149 102 0.6 72 50 29 19	On site	12	2.1	103	71	0.6	76	41	32	10
On site 13 2.3 110 76 0.5 82 43 34 12 On site 13 2.3 109 75 0.5 85 43 36 11 On site 13 2.3 106 73 0.5 84 40 34 10 On site 13 2.3 109 75 0.5 83 40 34 10 On site 13 2.3 108 74 0.6 77 41 33 10 On site 13 2.3 161 111 0.7 67 51 28 18 On site 13 2.3 156 107 0.7 67 51 28 19 On site 13 2.3 149 102 0.6 72 50 29 19	On site	13	2.3	103	71	0.5	82	42	35	11
On site 13 2.3 109 75 0.5 85 43 36 11 On site 13 2.3 106 73 0.5 84 40 34 10 On site 13 2.3 109 75 0.5 83 40 34 10 On site 13 2.3 108 74 0.6 77 41 33 10 On site 13 2.3 161 111 0.7 67 51 28 18 On site 13 2.3 156 107 0.7 67 51 28 19 On site 13 2.3 149 102 0.6 72 50 29 19	On site	13	2.3	121	83	0.6	75	44	32	13
On site 13 2.3 106 73 0.5 84 40 34 10 On site 13 2.3 109 75 0.5 83 40 34 10 On site 13 2.3 108 74 0.6 77 41 33 10 On site 13 2.3 161 111 0.7 67 51 28 18 On site 13 2.3 156 107 0.7 67 51 28 19 On site 13 2.3 149 102 0.6 72 50 29 19	On site	13	2.3	110	76	0.5	82	43	34	12
On site 13 2.3 109 75 0.5 83 40 34 10 On site 13 2.3 108 74 0.6 77 41 33 10 On site 13 2.3 161 111 0.7 67 51 28 18 On site 13 2.3 156 107 0.7 67 51 28 19 On site 13 2.3 149 102 0.6 72 50 29 19	On site	13	2.3	109	75	0.5	85	43	36	11
On site 13 2.3 108 74 0.6 77 41 33 10 On site 13 2.3 161 111 0.7 67 51 28 18 On site 13 2.3 156 107 0.7 67 51 28 19 On site 13 2.3 149 102 0.6 72 50 29 19	On site	13	2.3	106	73	0.5	84	40	34	10
On site 13 2.3 161 111 0.7 67 51 28 18 On site 13 2.3 156 107 0.7 67 51 28 19 On site 13 2.3 149 102 0.6 72 50 29 19	On site	13	2.3	109	75	0.5	83	40	34	10
On site 13 2.3 156 107 0.7 67 51 28 19 On site 13 2.3 149 102 0.6 72 50 29 19	On site	13	2.3	108	74	0.6	77	41	33	10
On site 13 2.3 149 102 0.6 72 50 29 19	On site	13	2.3	161	111	0.7	67	51	28	18
	On site	13	2.3	156	107	0.7	67	51	28	19
On site 13 2.3 143 98 0.6 74 49 31 18	On site	13	2.3	149	102	0.6	72	50	29	19
	On site	13	2.3	143	98	0.6	74	49	31	18





Location	Arsenic (mg/kg)	Bioaccessible Arsenic (mg/kg)	Lead (mg/kg)	Bioaccessible Lead (mg/kg)	Cadmium (mg/kg)	Chromiu m (mg/kg)	Copper (mg/kg)	Nickel (mg/kg)	Tin (mg/k g)
On site	13	2.3	115	79	0.6	78	41	32	11
On site	13	2.3	140	96	0.6	76	45	30	14
On site	14	2.5	138	95	0.6	78	48	32	16
On site	14	2.5	119	82	0.5	86	45	35	13
On site	14	2.5	114	78	0.5	90	44	37	12
On site	14	2.5	132	91	0.5	86	45	34	14
On site	14	2.5	208	143	0.7	68	63	27	35
On site	14	2.5	193	133	0.6	72	60	29	31
On site	14	2.5	170	117	0.6	76	55	30	24
On site	14	2.5	135	93	0.5	82	45	32	13
On site	14	2.5	157	108	0.6	67	48	25	19
On site	15	2.6	137	94	0.5	89	46	35	14
On site	15	2.6	204	140	0.7	68	61	27	32
On site	15	2.6	152	104	0.5	81	50	33	19
On site	15	2.6	141	97	0.5	87	47	34	16
On site	15	2.6	130	89	0.4	89	44	35	12
On site	15	2.6	255	175	0.7	69	73	26	57
On site	15	2.6	261	179	0.7	69	75	26	61
On site	15	2.6	231	159	0.6	72	68	28	46
On site	15	2.6	170	117	0.5	76	55	29	27
On site	15	2.6	140	96	0.5	83	48	32	18
On site	15	2.6	188	129	0.6	68	57	26	29
On site	15	2.6	236	162	0.6	68	68	25	50
On site	15	2.6	241	166	0.6	68	69	25	53
On site	15	2.6	203	139	0.6	71	59	26	37
On site	15	2.6	162	111	0.5	76	50	28	23
	15	2.6	127	87	0.4	86	42	31	14





Location	Arsenic (mg/kg)	Bioaccessible Arsenic (mg/kg)	Lead (mg/kg)	Bioaccessible Lead (mg/kg)	Cadmium (mg/kg)	Chromiu m (mg/kg)	Copper (mg/kg)	Nickel (mg/kg)	Tin (mg/k g)
On site	15	2.6	142	98	0.6	67	46	26	15
On site	15	2.6	113	78	0.5	83	38	30	11
On site	16	2.8	139	95	0.4	95	46	37	15
On site	16	2.8	134	92	0.4	95	45	37	13
On site	16	2.8	159	109	0.7	67	50	28	14
On site	16	2.8	126	87	0.4	94	43	35	13
On site	16	2.8	119	82	0.4	98	40	38	10
On site	16	2.8	141	97	0.7	67	51	28	11
On site	16	2.8	134	92	0.7	67	48	29	11
On site	16	2.8	136	93	0.7	67	49	29	12
On site	16	2.8	281	193	0.7	69	79	26	72
On site	16	2.8	281	193	0.6	69	79	26	73
On site	16	2.8	233	160	0.6	71	68	27	49
On site	16	2.8	182	125	0.5	76	57	29	29
On site	16	2.8	139	95	0.5	86	45	32	16
On site	16	2.8	132	91	0.7	67	47	28	10
On site	16	2.8	154	106	0.7	67	51	28	16
On site	16	2.8	133	91	0.7	67	46	28	12
On site	17	3	129	89	0.4	101	43	38	12
On site	17	3	114	78	0.4	104	39	40	9
On site	17	3	120	82	0.4	98	41	37	11
On site	17	3	129	89	0.7	67	48	29	11
On site	17	3	130	89	0.7	67	48	29	11
On site	17	3	114	78	0.4	100	40	37	10
On site	18	3.2	119	82	0.3	110	41	42	10
On site	18	3.2	114	78	0.3	114	40	44	9
On site	9	1.6	68	47	0.7	67	33	31	6





Location	Arsenic (mg/kg)	Bioaccessible Arsenic (mg/kg)	Lead (mg/kg)	Bioaccessible Lead (mg/kg)	Cadmium (mg/kg)	Chromiu m (mg/kg)	Copper (mg/kg)	Nickel (mg/kg)	Tin (mg/k g)
On site	9	1.6	65	45	0.7	67	32	31	6
On site	9	1.6	73	50	0.6	67	34	31	7
1m S	16	2.8	152	104	0.8	67	51	28	12
1m SE	14	2.5	170	117	0.6	67	51	25	24
3m NE	15	2.6	140	96	0.5	85	45	33	13
7m E	18	3.2	110	76	0.3	114	39	44	9
8m N	11	1.9	87	60	0.7	74	39	33	8
9m NW	11	1.9	88	60	0.7	60	37	28	9
10m E	16	2.8	108	74	0.4	95	37	35	9
11m SE	16	2.8	224	154	0.7	68	65	26	39
15m SE	15	2.6	212	146	0.7	68	63	27	33
18m S	15	2.6	188	129	0.7	67	56	27	22
21m SW	9	1.6	72	49	0.7	67	34	31	7
22m SE	14	2.5	168	115	0.6	67	51	24	25
22m S	14	2.5	169	116	0.7	66	49	28	15
23m NE	18	3.2	120	82	0.3	107	41	41	10
25m S	13	2.3	150	103	0.8	66	45	28	12
26m N	13	2.3	135	93	0.6	70	43	28	14
27m W	11	1.9	93	64	0.6	71	38	31	9
27m SE	16	2.8	125	86	0.7	65	45	27	11
29m S	12	2.1	119	82	0.7	66	41	29	10
33m S	10	1.8	92	63	0.7	66	37	30	8
34m E	14	2.5	133	91	0.5	74	42	27	15
40m SW	9	1.6	66	45	0.7	67	32	31	6
41m SW	10	1.8	83	57	0.6	69	36	31	8
42m S	15	2.6	152	104	0.8	67	52	28	12
42m SE	14	2.5	149	102	0.5	71	46	25	20





Location	Arsenic (mg/kg)	Bioaccessible Arsenic (mg/kg)	Lead (mg/kg)	Bioaccessible Lead (mg/kg)	Cadmium (mg/kg)	Chromiu m (mg/kg)	Copper (mg/kg)	Nickel (mg/kg)	Tin (mg/k g)
46m NW	11	1.9	91	63	0.8	62	38	30	9
48m SE	14	2.5	136	93	0.6	67	42	25	13
49m S	15	2.6	138	95	0.8	68	52	27	10
49m N	11	1.9	95	65	0.7	71	39	31	9

This data is sourced from the British Geological Survey.

20.3 BGS Measured Urban Soil Chemistry

Records within 50m 3

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.

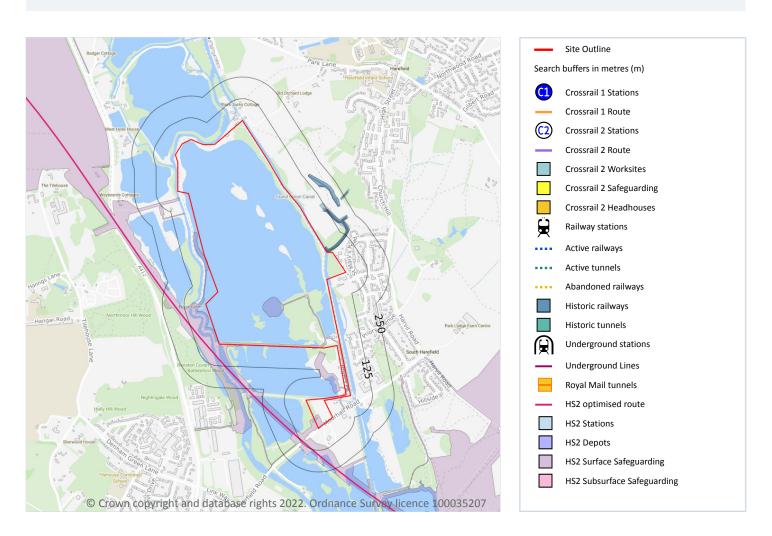
Location	Arsenic (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Copper (mg/kg)	Nickel (mg/kg)	Lead (mg/kg)	Tin (mg/kg)	Sample Type
On site	11.3	0.6	81.6	39.7	35.5	85.6	7.9	Topsoil
On site	15.8	0.6	69.0	80.5	25.7	289.1	78.2	Topsoil
12m SE	16.7	0.7	67.0	47.5	29.1	126.8	10.3	Topsoil

This data is sourced from the British Geological Survey.





21 Railway infrastructure and projects



21.1 Underground railways (London)

Records within 250m 0

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

This data is sourced from publicly available information by Groundsure.

21.2 Underground railways (Non-London)

Records within 250m

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





This data is sourced from publicly available information by Groundsure.

21.3 Railway tunnels

Records within 250m 0

Railway tunnels taken from contemporary Ordnance Survey mapping.

This data is sourced from the Ordnance Survey.

21.4 Historical railway and tunnel features

Records within 250m 14

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 173

Location	Land Use	Year of mapping	Mapping scale	
On site	Railway Sidings	1899	2500	
On site	Railway Sidings	1895	10560	
On site	Railway Sidings	1897	10560	
3m NE	Railway Sidings	1896	2500	
4m NE	Railway Sidings	1900	10560	
5m N	Railway Sidings	1898	10560	
7m NE	Railway Sidings	1899	2500	
148m NE	Tramway Sidings	1938	10560	
149m NE	Tramway Sidings	1934	2500	
149m NE	Tramway Sidings	1949	10560	
149m NE	Tramway Sidings	1934	10560	
225m NE	Tramway Sidings	1938	10560	
226m NE	Tramway Sidings	1934	2500	
237m NE	Railway Sidings	1959	10560	

This data is sourced from Ordnance Survey/Groundsure.





21.5 Royal Mail tunnels

Records within 250m 0

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

This data is sourced from Groundsure/the Postal Museum.

21.6 Historical railways

Records within 250m 0

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

This data is sourced from OpenStreetMap.

21.7 Railways

Records within 250m 0

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

This data is sourced from Ordnance Survey and OpenStreetMap.

21.8 Crossrail 1

Records within 500m 0

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

This data is sourced from publicly available information by Groundsure.

21.9 Crossrail 2

Records within 500m 0

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

This data is sourced from publicly available information by Groundsure.





3

21.10 HS2

Records within 500m

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.

Features are displayed on the Railway infrastructure and projects map on page 173

Location	Track Type	Speed (mph)	Speed (km/h)	Status
59m SW	Bridge/Viaduct	186mph	300kph	Current preferred consultation route
252m W	Bridge/Viaduct	224mph	360kph	Current preferred consultation route
481m W	Surface Running Track	224mph	360kph	Current preferred consultation route

This data is sourced from HS2 ltd.





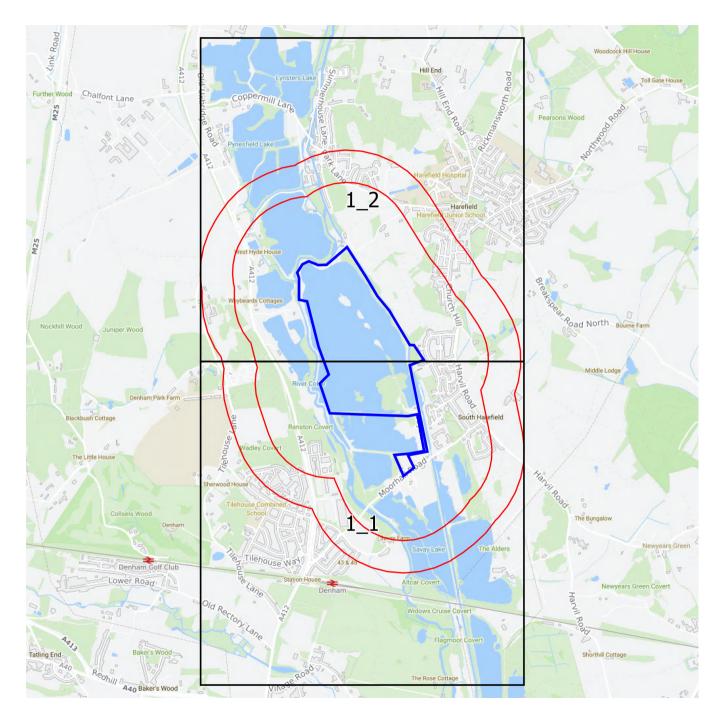
Data providers

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

Terms and conditions

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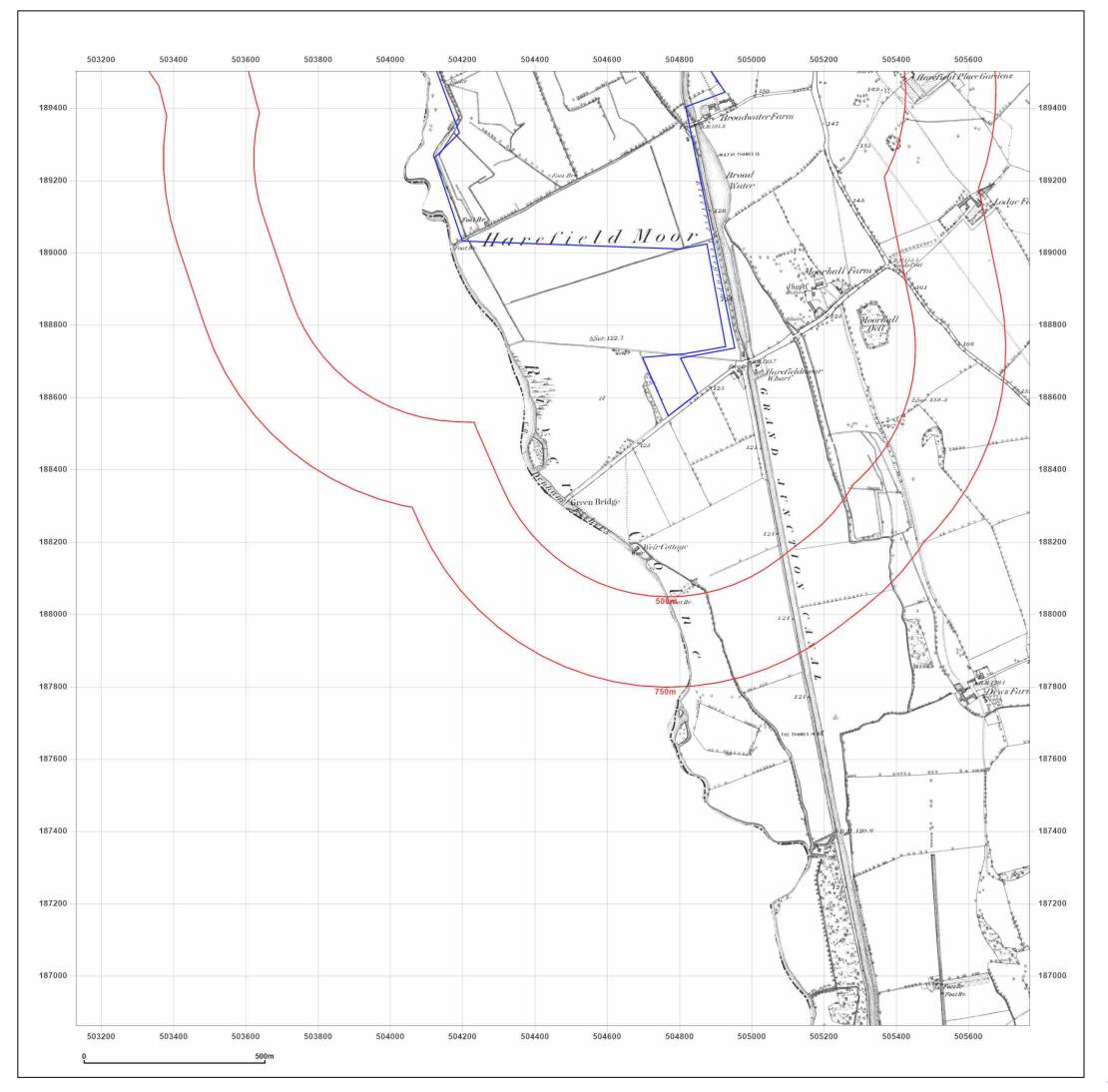






Small Scale Grid Index







Site Details:

BROADWATER LAKE, MOORHALL ROAD, HAREFIELD, UB9 6PE

Client Ref: 22-10-05

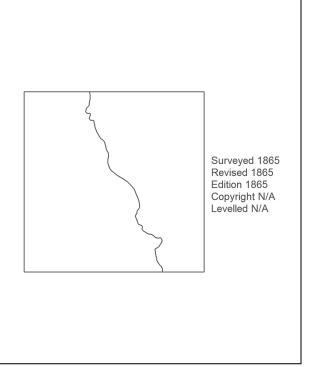
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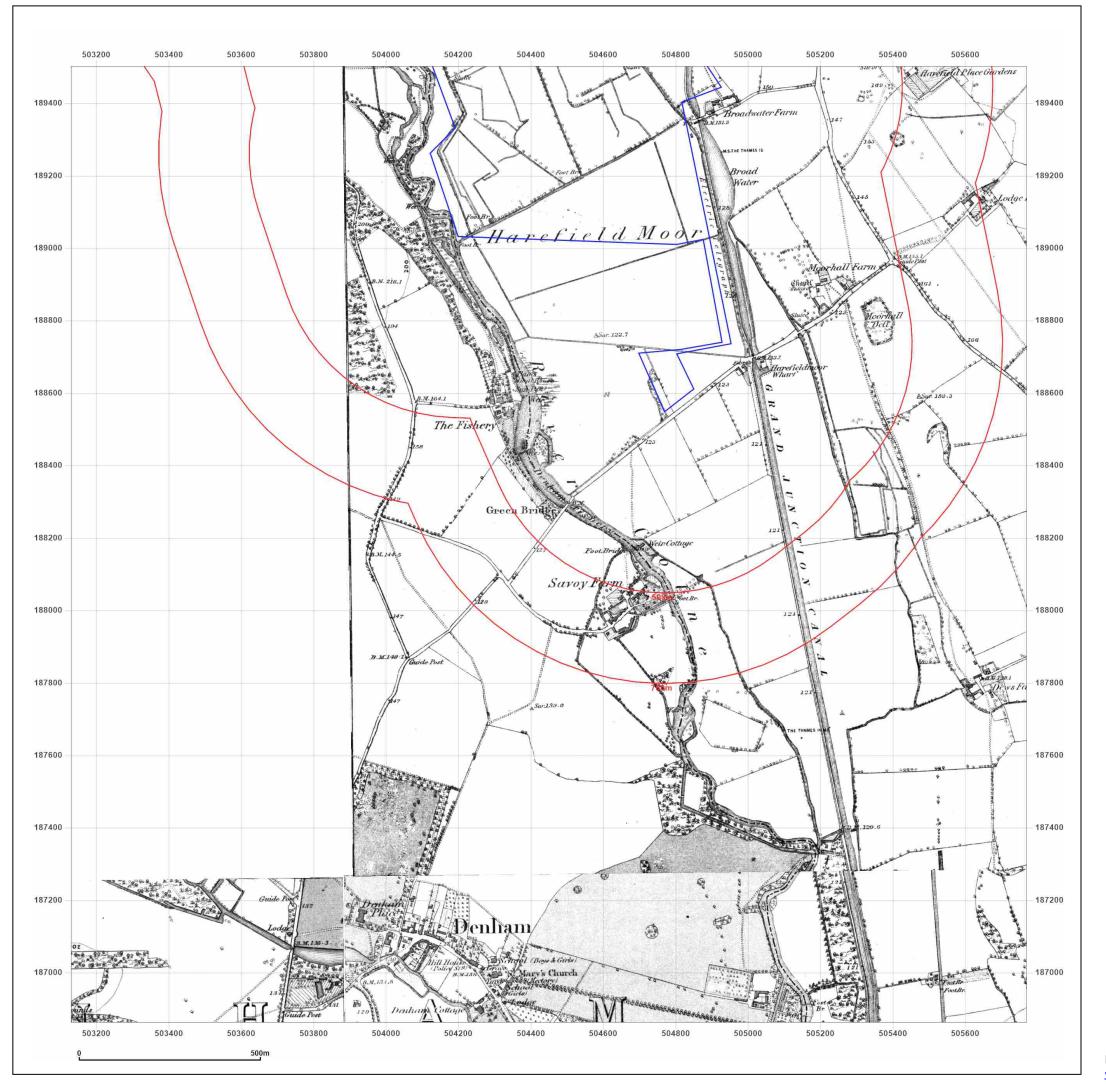
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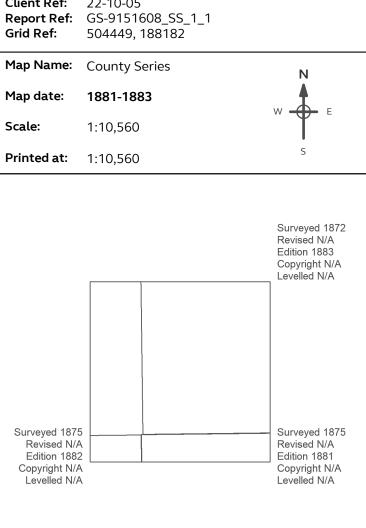




Site Details:

BROADWATER LAKE, MOORHALL ROAD, HAREFIELD, UB9 6PE

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