



Site Details:

Abbey Gardens, Abbey Street,
Reading, RG1 3BA

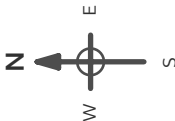
Client Ref: GWPR6366
Report Ref: GS-Z12-RKD-A76-ETZ
Grid Ref: 471960, 173457

Map Name: County Series

Map date: 1938

Scale: 1:10,560

Printed at: 1:10,560



	Surveyed 1877 Revised 1938 Edition N/A Copyright N/A Levelled N/A



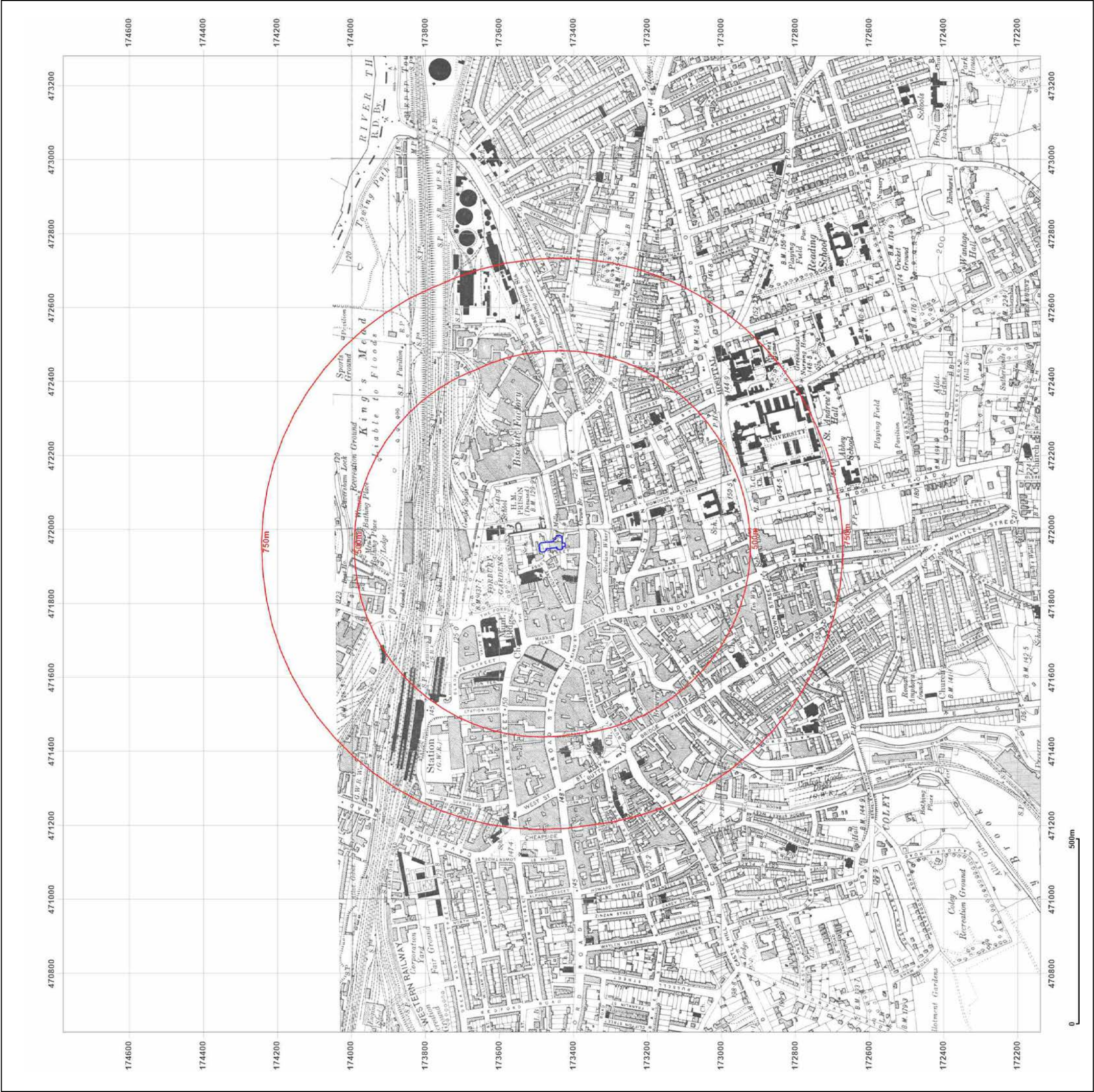
Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 04 December 2024

Map legend available at:

www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

Abbey Gardens, Abbey Street,
Reading, RG1 3BA

Client Ref: GWP6366
Report Ref: GS-Z12-RKD-A76-ETZ
Grid Ref: 471960, 173457

Map Name: County Series

Map date: 1938

Scale: 1:10,560

Printed at: 1:10,560



	Surveyed 1877 Revised 1938 Edition 1938 Copyright N/A Levelled N/A

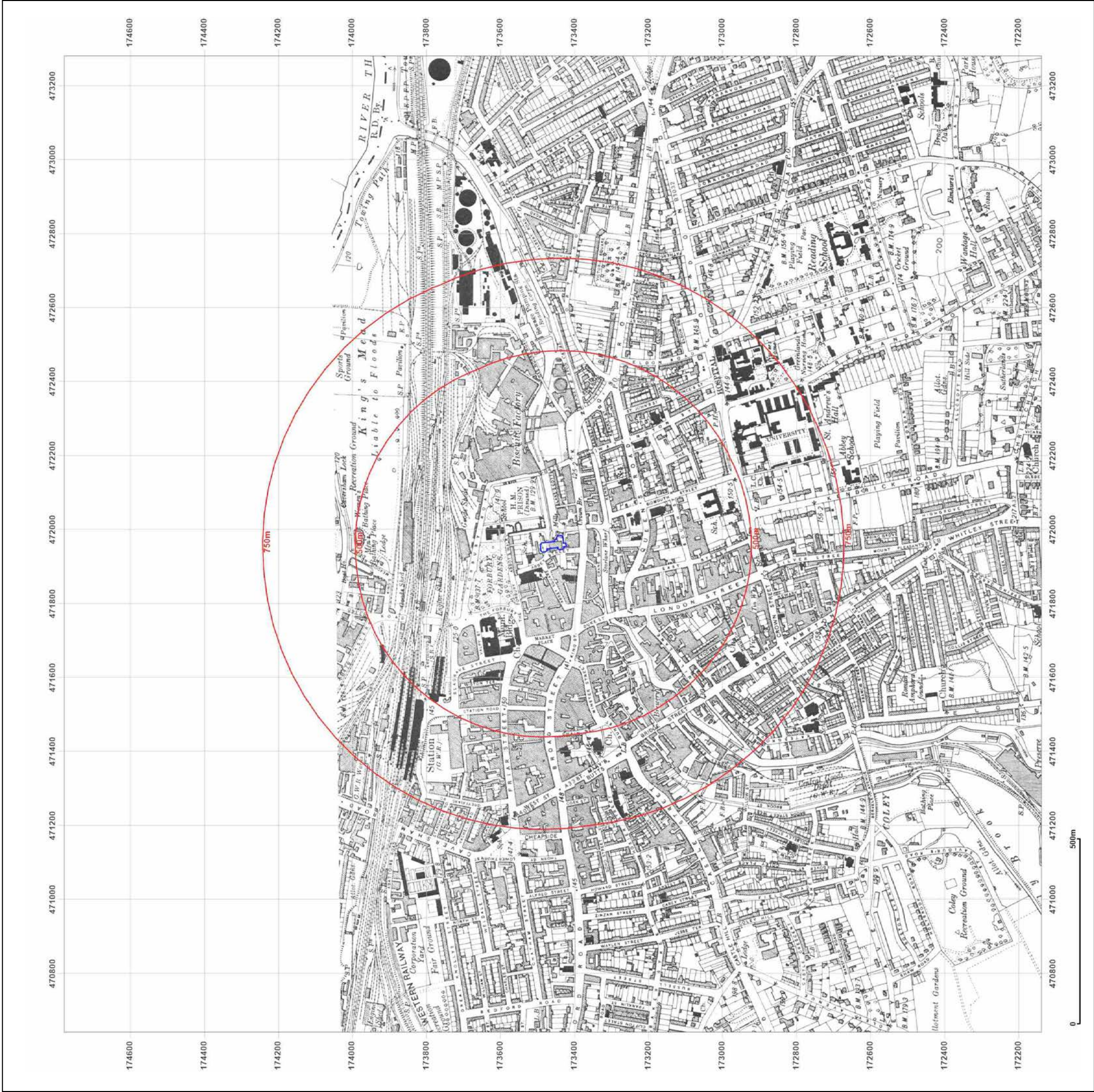


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 04 December 2024

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

Abbey Gardens, Abbey Street,
Reading, RG1 3BA

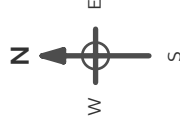
Client Ref: GWPR6366
Report Ref: GS-Z12-RKD-A76-ETZ
Grid Ref: 471960, 173457

Map Name: Provisional

Map date: 1962

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1959
Revised 1961
Edition N/A
Copyright 1962
Levelled N/A

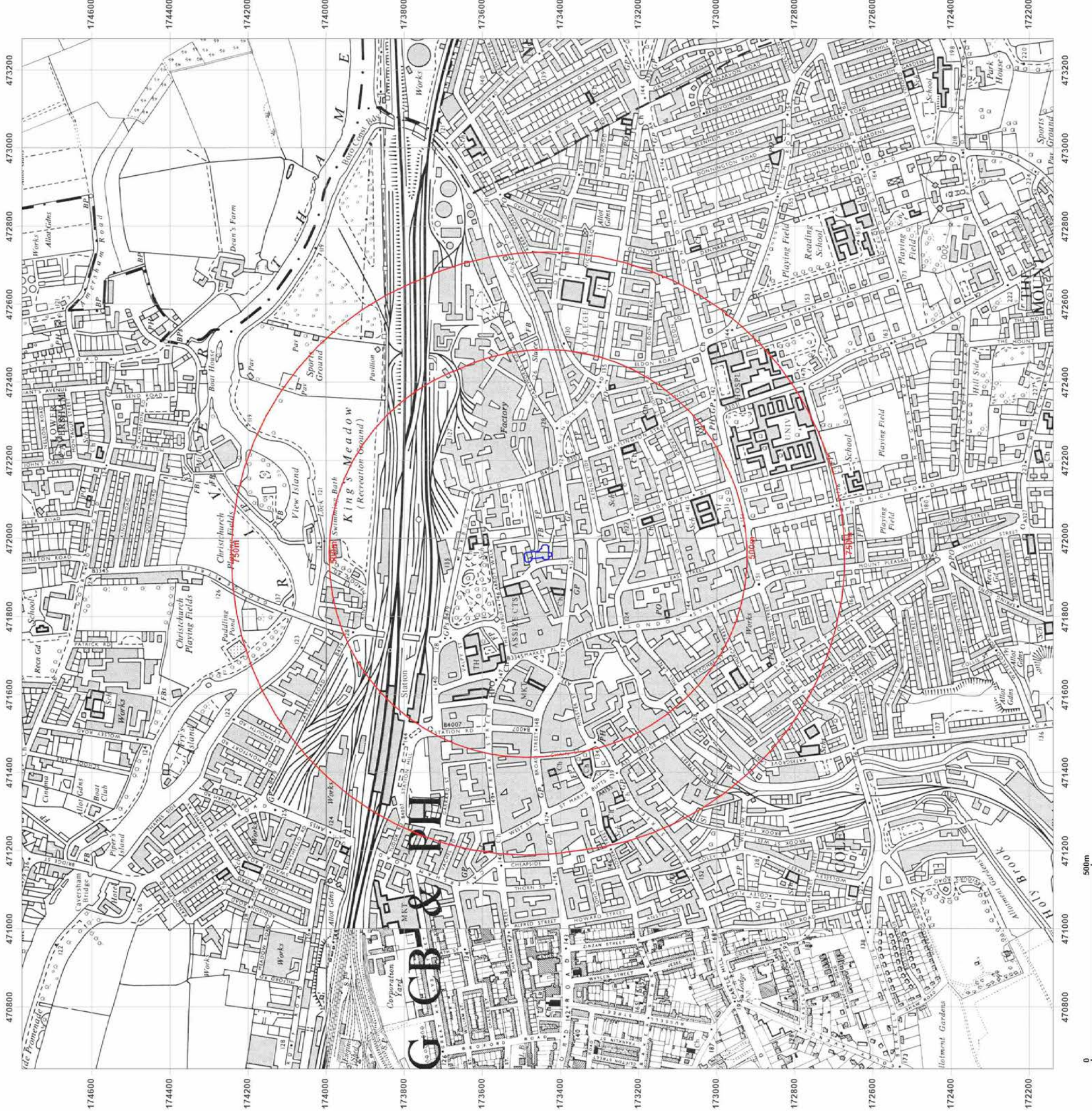


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 04 December 2024

Map legend available at:
www.groundsure.com/site



Site Details:

Abbey Gardens, Abbey Street,
Reading, RG1 3BA

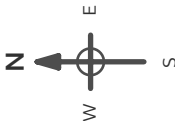
Client Ref: GWPR6366
Report Ref: GS-Z12-RKD-A76-ETZ
Grid Ref: 471960, 173457

Map Name: National Grid

Map date: 1973

Scale: 1:10,000

Printed at: 1:10,000



Surveyed 1970
Revised 1973
Edition N/A
Copyright 1973
Levelled N/A



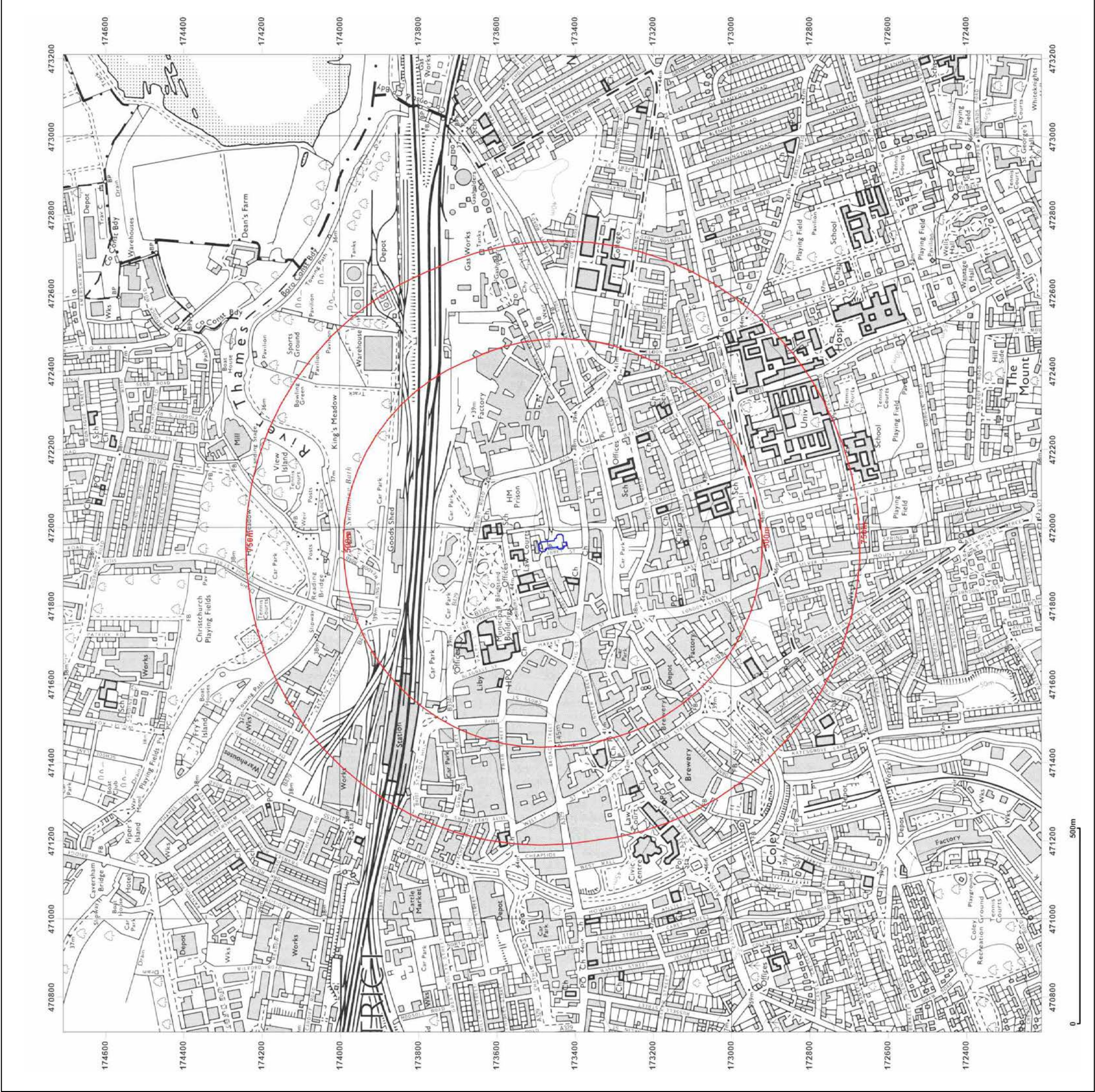
Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 04 December 2024

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf





Site Details:

Abbey Gardens, Abbey Street,
Reading, RG1 3BA

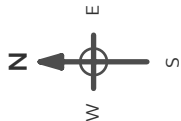
Client Ref: GWPR6366
Report Ref: GS-Z12-RKD-A76-ETZ
Grid Ref: 471960, 173457

Map Name: National Grid

Map date: 1979

Scale: 1:10,000

Printed at: 1:10,000



Surveyed 1977
Revised 1979
Edition N/A
Copyright 1979
Levelled 1969



Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 04 December 2024

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf

Site Details:
Abbey Gardens, Abbey Street,
Reading, RG1 3BA

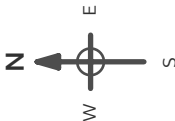
Client Ref: GWPR6366
Report Ref: GS-Z12-RKD-A76-ETZ
Grid Ref: 471960, 173457

Map Name: National Grid

Map date: 1989

Scale: 1:10,000

Printed at: 1:10,000



Surveyed 1987
Revised 1989
Edition N/A
Copyright N/A
Levelled N/A

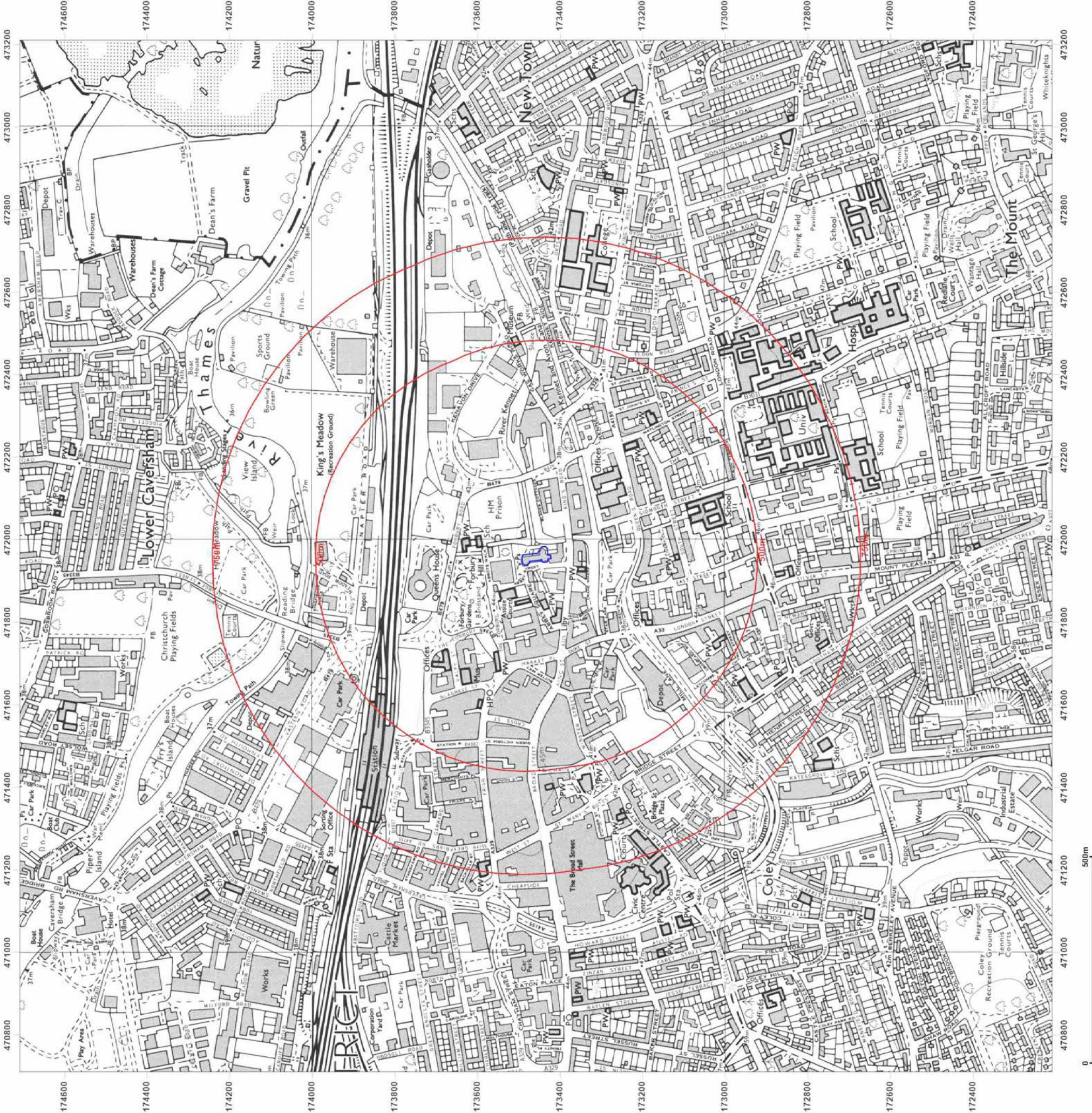


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 04 December 2024

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

Abbey Gardens, Abbey Street,
Reading, RG1 3BA

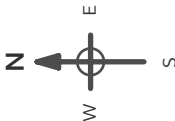
Client Ref: GWPR6366
Report Ref: GS-Z12-RKD-A76-ETZ
Grid Ref: 471960, 173457

Map Name: National Grid

Map date: 1994

Scale: 1:10,000

Printed at: 1:10,000



Surveyed 1987
Revised 1994
Edition N/A
Copyright N/A
Levelled N/A



Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 04 December 2024

Map legend available at:

www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

Abbey Gardens, Abbey Street,
Reading, RG1 3BA

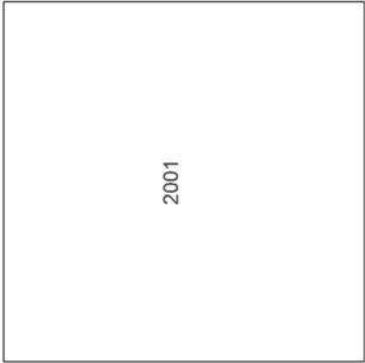
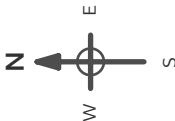
Client Ref: GWPR6366
Report Ref: GS-Z12-RKD-A76-ETZ
Grid Ref: 471960, 173457

Map Name: National Grid

Map date: 2001

Scale: 1:10,000

Printed at: 1:10,000



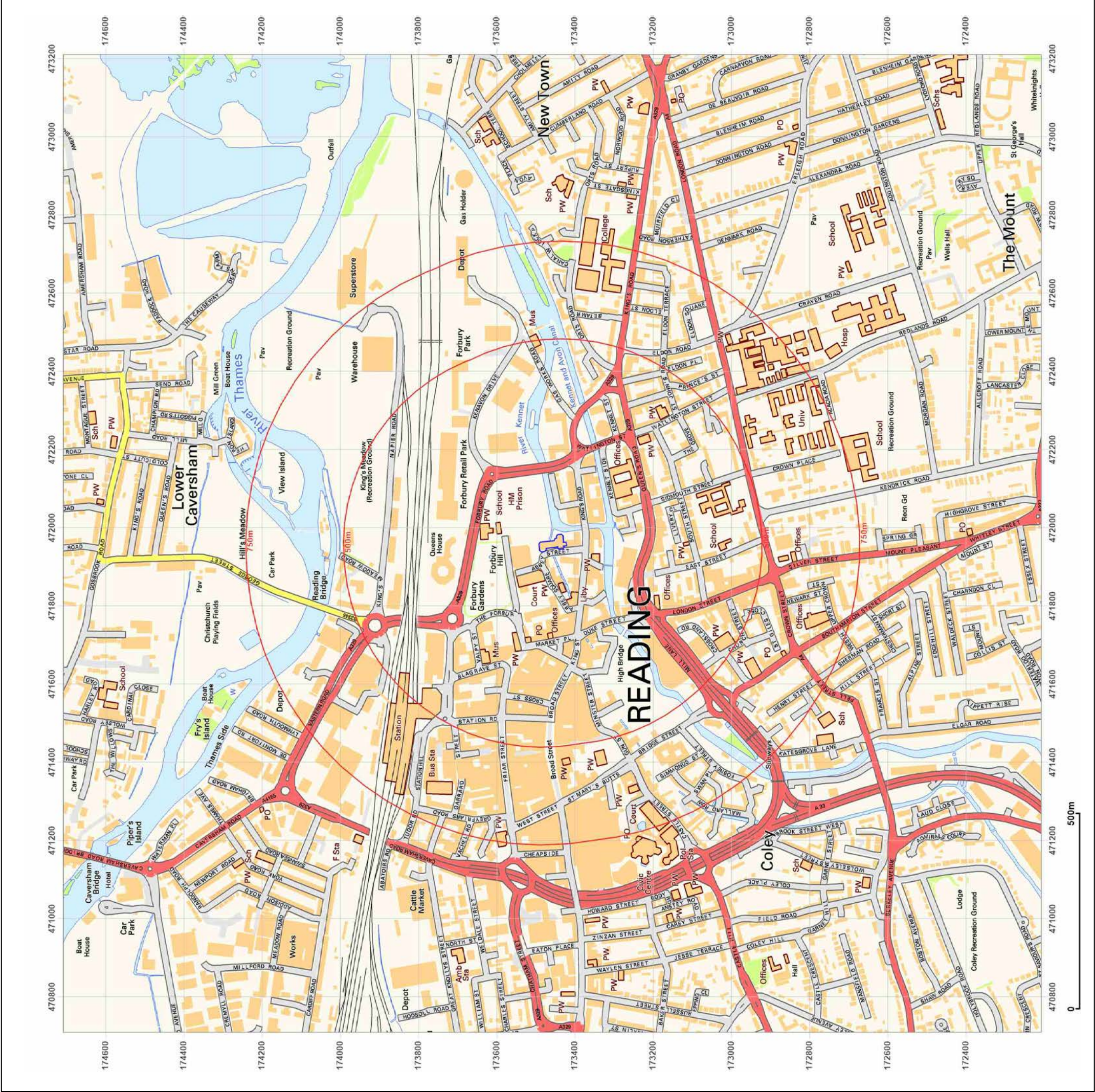
Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 04 December 2024

Map legend available at:

www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

Abbey Gardens, Abbey Street,
Reading, RG1 3BA

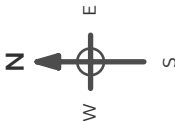
Client Ref: GWPR6366
Report Ref: GS-Z12-RKD-A76-ETZ
Grid Ref: 471960, 173457

Map Name: National Grid

Map date: 2010

Scale: 1:10,000

Printed at: 1:10,000

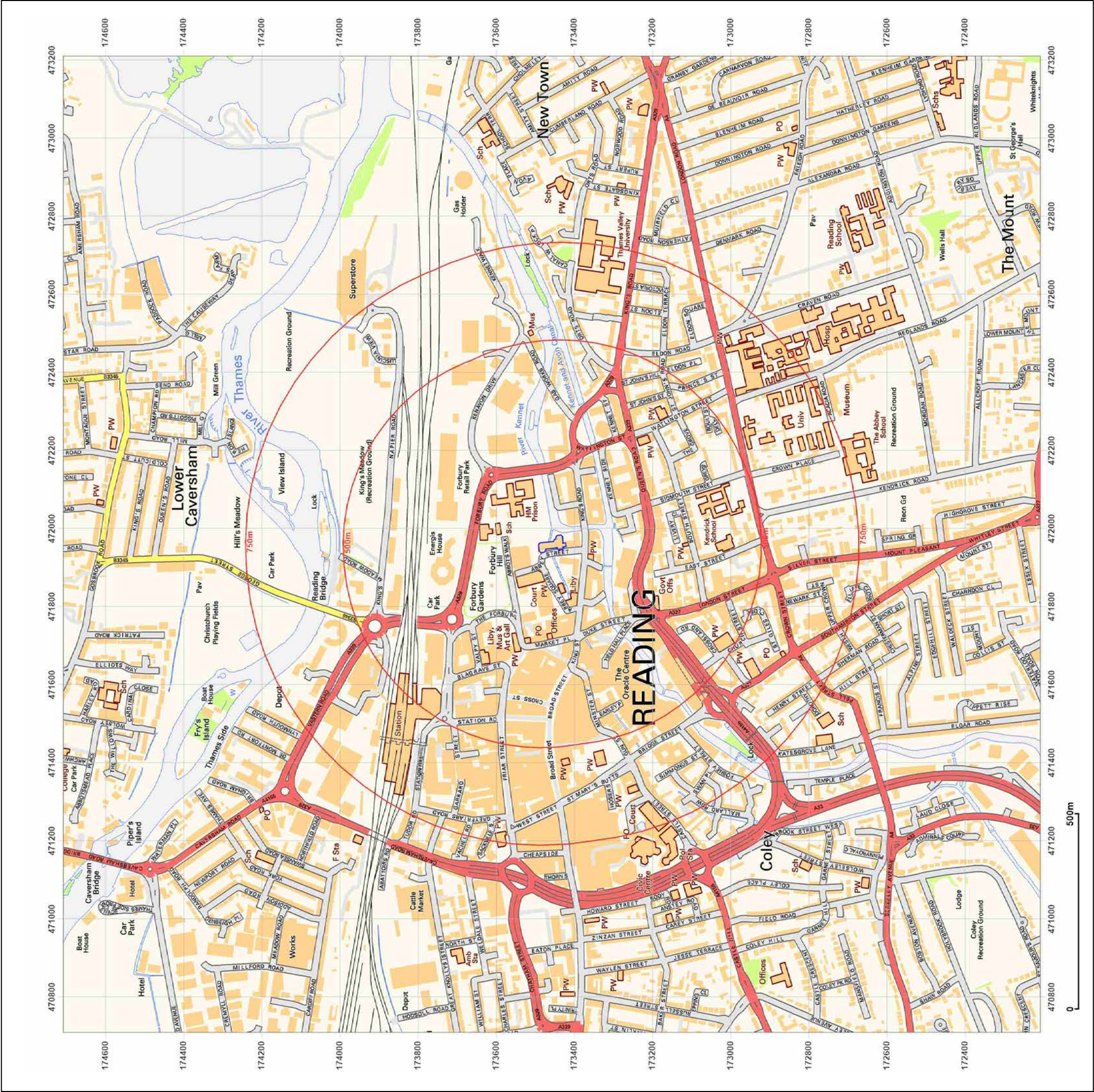


Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 04 December 2024

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:

Abbey Gardens, Abbey Street,
Reading, RG1 3BA

Client Ref: GWPR6366
Report Ref: GS-Z12-RKD-A76-ETZ
Grid Ref: 471960, 173457

Map Name: National Grid

Map date: 2024

Scale: 1:10,000

Printed at: 1:10,000



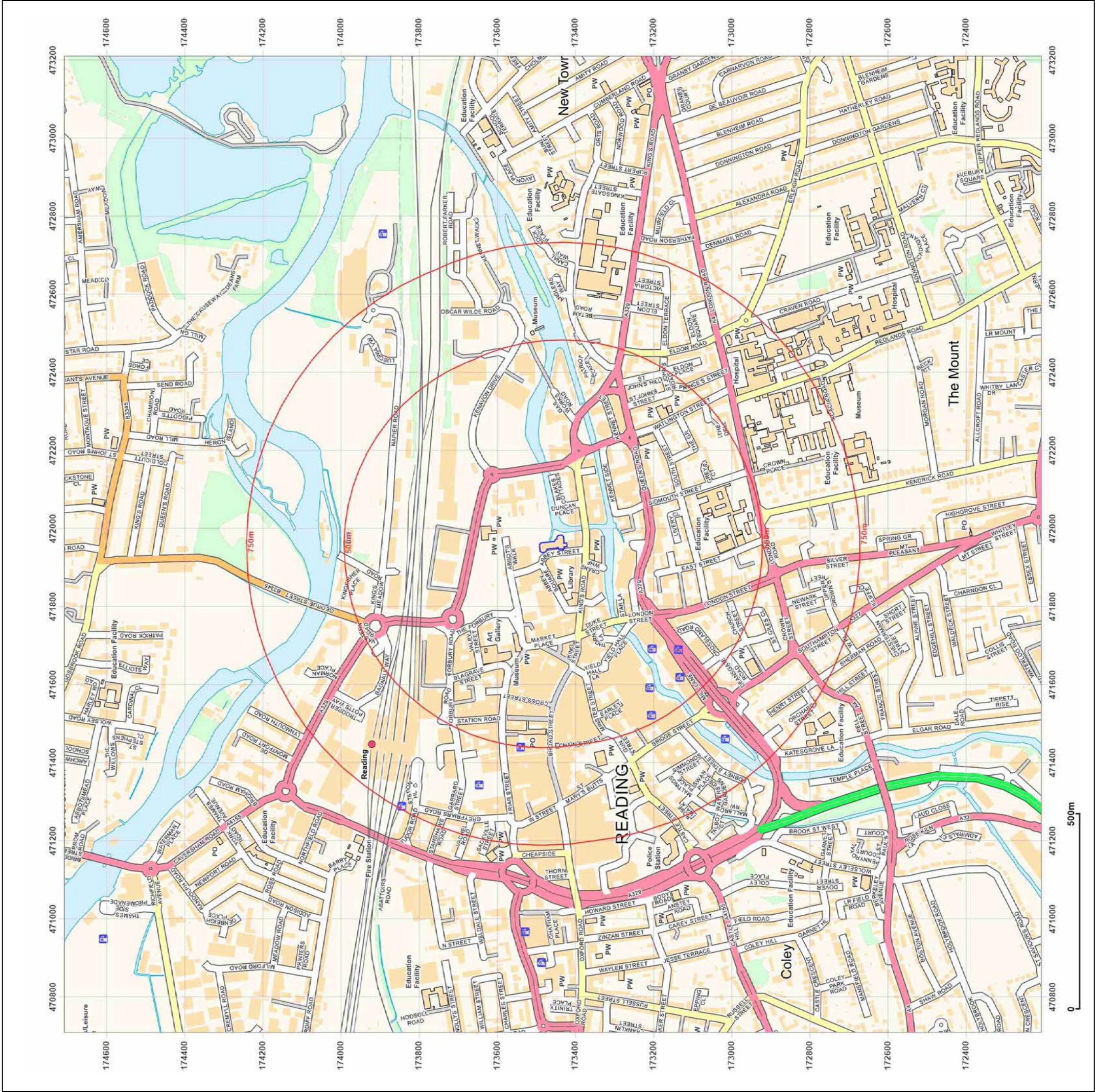
Produced by
Groundsure Insights
T: 08444 159000
E: info@groundsure.com
W: www.groundsure.com

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 04 December 2024

Map legend available at:

www.groundsure.com/sites/default/files/groundsure_legend.pdf



APPENDIX E: GroundSure EnviroInsight and GeoInsight Datasheets

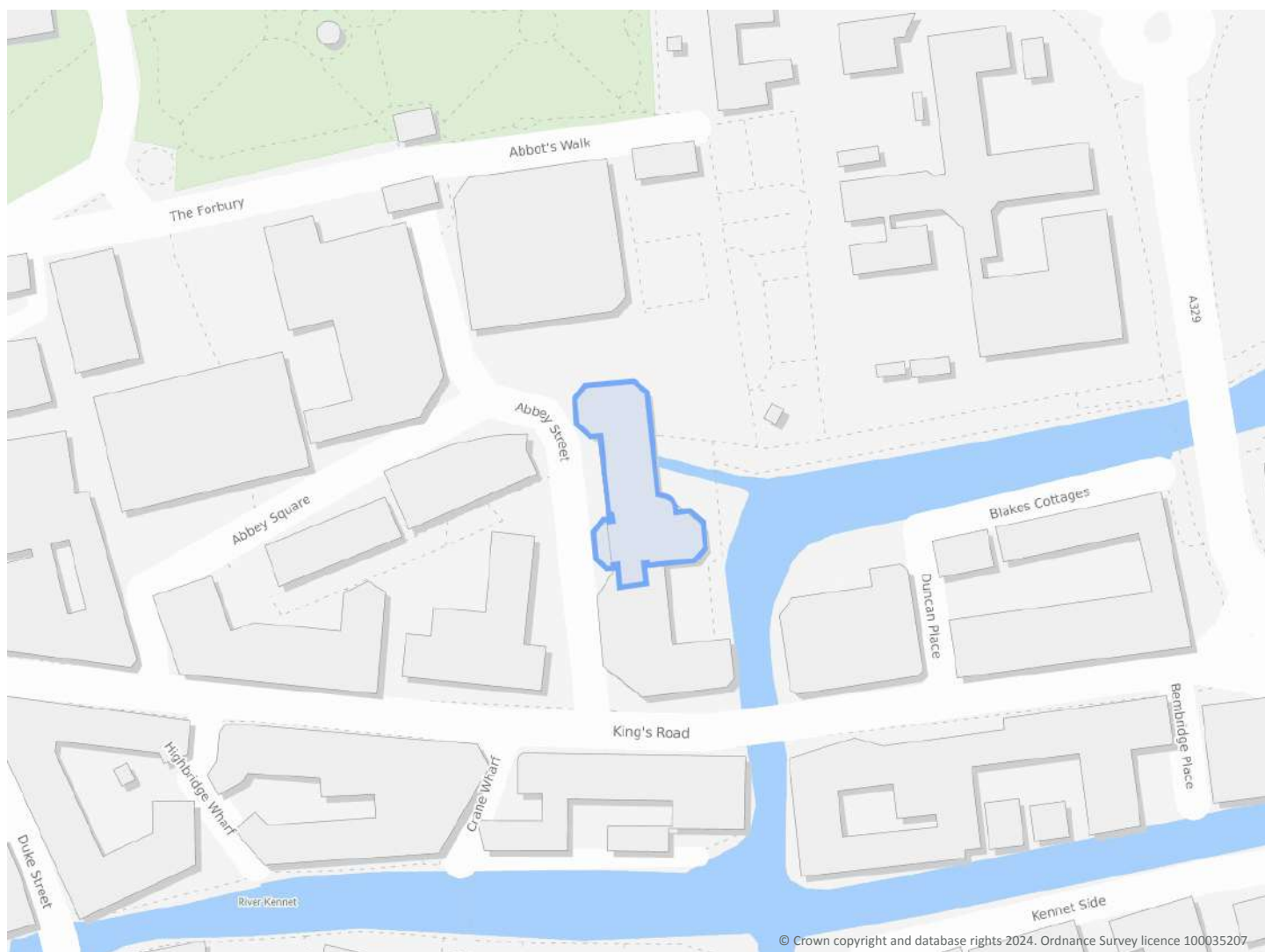
Abbey Gardens, Abbey Street, Reading, RG1 3BA

Order Details

Date: 04/12/2024
Your ref: GWPR6366
Our Ref: GS-Y2J-QVW-SD4-93C

Site Details

Location: 471958 173456
Area: 0.16 ha
Authority: [Reading Borough Council](#) ↗



Summary of findings

[p. 2 >](#) **Aerial image**

[p. 9 >](#)

OS MasterMap site plan

[p.14 >](#) [Insight User Guide](#) ↗

Contact us with any questions at:

info@groundsure.com ↗

01273 257 755

Certified



Corporation

Summary of findings

Page	Section	Past land use >	On site	0-50m	50-250m	250-500m	500-2000m
15 >	1.1 >	Historical industrial land uses >	5	5	34	109	-
21 >	1.2 >	Historical tanks >	0	0	13	77	-
25 >	1.3 >	Historical energy features >	0	0	23	48	-
27 >	1.4 >	Historical petrol stations >	0	0	0	1	-
28 >	1.5 >	Historical garages >	0	3	6	5	-
29	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
30 >	2.1 >	Historical industrial land uses >	5	5	43	126	-
37 >	2.2 >	Historical tanks >	0	0	18	129	-
43 >	2.3 >	Historical energy features >	0	0	36	93	-
47 >	2.4 >	Historical petrol stations >	0	0	0	1	-
48 >	2.5 >	Historical garages >	0	5	7	8	-
Page	Section	Waste and landfill >	On site	0-50m	50-250m	250-500m	500-2000m
50	3.1	Active or recent landfill	0	0	0	0	-
50	3.2	Historical landfill (BGS records)	0	0	0	0	-
51	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
51	3.4	Historical landfill (EA/NRW records)	0	0	0	0	-
51	3.5	Historical waste sites	0	0	0	0	-
51 >	3.6 >	Licensed waste sites >	0	0	0	1	-
52 >	3.7 >	Waste exemptions >	0	0	3	27	-
Page	Section	Current industrial land use >	On site	0-50m	50-250m	250-500m	500-2000m
55 >	4.1 >	Recent industrial land uses >	1	0	16	-	-
57	4.2	Current or recent petrol stations	0	0	0	0	-
57	4.3	Electricity cables	0	0	0	0	-
57	4.4	Gas pipelines	0	0	0	0	-
57	4.5	Sites determined as Contaminated Land	0	0	0	0	-



57	4.6	Control of Major Accident Hazards (COMAH)	0	0	0	0	-
58	4.7	Regulated explosive sites	0	0	0	0	-
58	4.8	Hazardous substance storage/usage	0	0	0	0	-
58	4.9	Historical licensed industrial activities (IPC)	0	0	0	0	-
58	4.10	Licensed industrial activities (Part A(1))	0	0	0	0	-
58	4.11	Licensed pollutant release (Part A(2)/B)	0	0	0	0	-
59	4.12	Radioactive Substance Authorisations	0	0	0	0	-
59 >	4.13 >	<u>Licensed Discharges to controlled waters ></u>	2	3	9	4	-
61	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
61	4.15	Pollutant release to public sewer	0	0	0	0	-
62	4.16	List 1 Dangerous Substances	0	0	0	0	-
62	4.17	List 2 Dangerous Substances	0	0	0	0	-
62 >	4.18 >	<u>Pollution Incidents (EA/NRW) ></u>	0	2	2	9	-
64	4.19	Pollution inventory substances	0	0	0	0	-
64	4.20	Pollution inventory waste transfers	0	0	0	0	-
64	4.21	Pollution inventory radioactive waste	0	0	0	0	-
Page	Section	<u>Hydrogeology ></u>	On site	0-50m	50-250m	250-500m	500-2000m
65 >	5.1 >	<u>Superficial aquifer ></u>	Identified (within 500m)				
66 >	5.2 >	<u>Bedrock aquifer ></u>	Identified (within 500m)				
68 >	5.3 >	<u>Groundwater vulnerability ></u>	Identified (within 50m)				
69 >	5.4 >	<u>Groundwater vulnerability- soluble rock risk ></u>	Identified (within 0m)				
69	5.5	Groundwater vulnerability- local information	None (within 0m)				
70 >	5.6 >	<u>Groundwater abstractions ></u>	0	0	0	0	13
74 >	5.7 >	<u>Surface water abstractions ></u>	0	0	0	2	4
75 >	5.8 >	<u>Potable abstractions ></u>	0	0	0	0	5
77	5.9	Source Protection Zones	0	0	0	0	-
77	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
78 >	6.1 >	<u>Water Network (OS MasterMap) ></u>	3	4	8	-	-



80 >	6.2 >	Surface water features >	1	0	4	-	-
80 >	6.3 >	WFD Surface water body catchments >	2	-	-	-	-
80 >	6.4 >	WFD Surface water bodies >	1	1	0	-	-
81 >	6.5 >	WFD Groundwater bodies >	1	-	-	-	-
Page	Section	River and coastal flooding >	On site	0-50m	50-250m	250-500m	500-2000m
82 >	7.1 >	Risk of flooding from rivers and the sea >	High (within 50m)				
83 >	7.2 >	Historical Flood Events >	1	3	9	-	-
84	7.3	Flood Defences	0	0	0	-	-
84	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
84	7.5	Flood Storage Areas	0	0	0	-	-
85 >	7.6 >	Flood Zone 2 >	Identified (within 50m)				
86 >	7.7 >	Flood Zone 3 >	Identified (within 50m)				
Page	Section	Surface water flooding >					
87 >	8.1 >	Surface water flooding >	1 in 30 year, Greater than 1.0m (within 50m)				
Page	Section	Groundwater flooding >					
89 >	9.1 >	Groundwater flooding >	Moderate-High (within 50m)				
Page	Section	Environmental designations >	On site	0-50m	50-250m	250-500m	500-2000m
90	10.1	Sites of Special Scientific Interest (SSSI)	0	0	0	0	0
91	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
91	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
91	10.4	Special Protection Areas (SPA)	0	0	0	0	0
91	10.5	National Nature Reserves (NNR)	0	0	0	0	0
92	10.6	Local Nature Reserves (LNR)	0	0	0	0	0
92 >	10.7 >	Designated Ancient Woodland >	0	0	0	0	1
92	10.8	Biosphere Reserves	0	0	0	0	0
92	10.9	Forest Parks	0	0	0	0	0
93	10.10	Marine Conservation Zones	0	0	0	0	0
93	10.11	Green Belt	0	0	0	0	0
93	10.12	Proposed Ramsar sites	0	0	0	0	0



93	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
93	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
94	10.15	Nitrate Sensitive Areas	0	0	0	0	0
94 >	10.16 >	Nitrate Vulnerable Zones >	0	0	0	1	1
95	10.17	SSSI Impact Risk Zones	0	-	-	-	-
95	10.18	SSSI Units	0	0	0	0	0
Page	Section	Visual and cultural designations >	On site	0-50m	50-250m	250-500m	500-2000m
96	11.1	World Heritage Sites	0	0	0	-	-
97	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
97	11.3	National Parks	0	0	0	-	-
97 >	11.4 >	Listed Buildings >	0	0	33	-	-
99 >	11.5 >	Conservation Areas >	0	0	1	-	-
99 >	11.6 >	Scheduled Ancient Monuments >	0	2	3	-	-
100 >	11.7 >	Registered Parks and Gardens >	0	0	1	-	-
Page	Section	Agricultural designations >	On site	0-50m	50-250m	250-500m	500-2000m
101 >	12.1 >	Agricultural Land Classification >	Urban (within 250m)				
102	12.2	Open Access Land	0	0	0	-	-
102	12.3	Tree Felling Licences	0	0	0	-	-
102	12.4	Environmental Stewardship Schemes	0	0	0	-	-
102	12.5	Countryside Stewardship Schemes	0	0	0	-	-
Page	Section	Habitat designations	On site	0-50m	50-250m	250-500m	500-2000m
103	13.1	Priority Habitat Inventory	0	0	0	-	-
103	13.2	Habitat Networks	0	0	0	-	-
103	13.3	Open Mosaic Habitat	0	0	0	-	-
103	13.4	Limestone Pavement Orders	0	0	0	-	-
Page	Section	Geology 1:10,000 scale >	On site	0-50m	50-250m	250-500m	500-2000m
104 >	14.1 >	10k Availability >	Identified (within 500m)				
105 >	14.2 >	Artificial and made ground (10k) >	0	0	0	5	-
107 >	14.3 >	Superficial geology (10k) >	2	0	1	2	-

108	14.4	Landslip (10k)	0	0	0	0	-
109 >	14.5 >	Bedrock geology (10k) >	1	0	0	1	-
110	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
111 >	15.1 >	50k Availability >	Identified (within 500m)				
112	15.2	Artificial and made ground (50k)	0	0	0	0	-
112	15.3	Artificial ground permeability (50k)	0	0	-	-	-
113 >	15.4 >	Superficial geology (50k) >	2	0	1	2	-
114 >	15.5 >	Superficial permeability (50k) >	Identified (within 50m)				
114	15.6	Landslip (50k)	0	0	0	0	-
114	15.7	Landslip permeability (50k)	None (within 50m)				
115 >	15.8 >	Bedrock geology (50k) >	1	0	0	1	-
116 >	15.9 >	Bedrock permeability (50k) >	Identified (within 50m)				
116	15.10	Bedrock faults and other linear features (50k)	0	0	0	0	-
Page	Section	Boreholes >	On site	0-50m	50-250m	250-500m	500-2000m
117 >	16.1 >	BGS Boreholes >	2	9	27	-	-
Page	Section	Natural ground subsidence >					
120 >	17.1 >	Shrink swell clays >	Very low (within 50m)				
121 >	17.2 >	Running sands >	Low (within 50m)				
123 >	17.3 >	Compressible deposits >	Moderate (within 50m)				
125 >	17.4 >	Collapsible deposits >	Very low (within 50m)				
126 >	17.5 >	Landslides >	Very low (within 50m)				
127 >	17.6 >	Ground dissolution of soluble rocks >	Low (within 50m)				
Page	Section	Mining and ground workings >	On site	0-50m	50-250m	250-500m	500-2000m
129	18.1	BritPits	0	0	0	0	-
130 >	18.2 >	Surface ground workings >	0	2	13	-	-
130	18.3	Underground workings	0	0	0	0	0
131	18.4	Underground mining extents	0	0	0	0	-
131	18.5	Historical Mineral Planning Areas	0	0	0	0	-

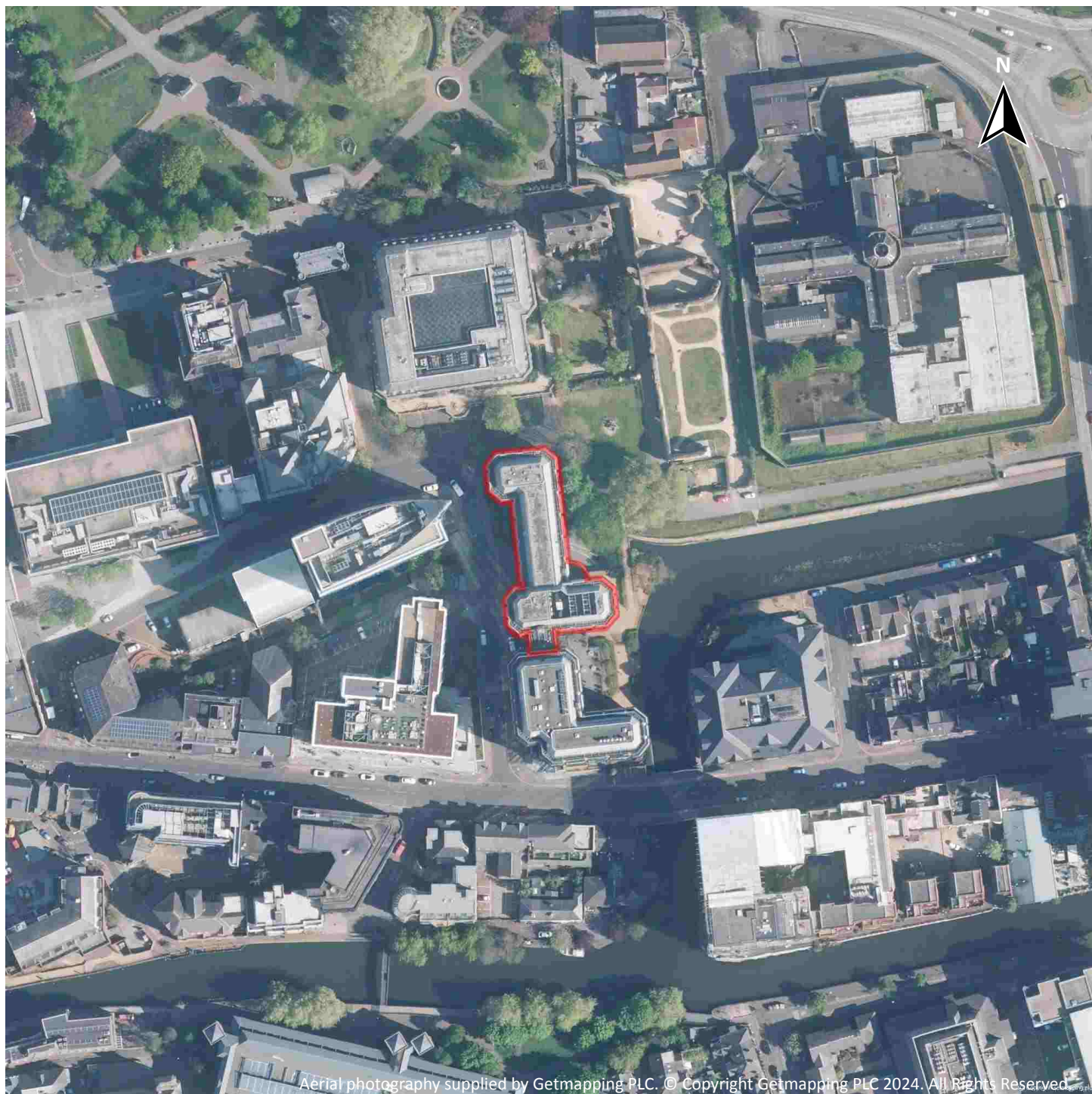


131 >	18.6 >	Non-coal mining >	0	0	2	4	4
132 >	18.7 >	JPB mining areas >	Identified (within 0m)				
133	18.8	The Coal Authority non-coal mining	0	0	0	0	-
133 >	18.9 >	Researched mining >	0	0	0	1	-
133	18.10	Mining record office plans	0	0	0	0	-
134	18.11	BGS mine plans	0	0	0	0	-
134	18.12	Coal mining	None (within 0m)				
134	18.13	Brine areas	None (within 0m)				
134	18.14	Gypsum areas	None (within 0m)				
134	18.15	Tin mining	None (within 0m)				
135	18.16	Clay mining	None (within 0m)				
Page	Section	Ground cavities and sinkholes >	On site	0-50m	50-250m	250-500m	500-2000m
136 >	19.1 >	Natural cavities >	0	0	0	3	-
137 >	19.2 >	Mining cavities >	0	0	0	1	10
138	19.3	Reported recent incidents	0	0	0	0	-
138	19.4	Historical incidents	0	0	0	0	-
138	19.5	National karst database	0	0	0	0	-
Page	Section	Radon >					
140 >	20.1 >	Radon >	Between 1% and 3% (within 0m)				
Page	Section	Soil chemistry >	On site	0-50m	50-250m	250-500m	500-2000m
142 >	21.1 >	BGS Estimated Background Soil Chemistry >	2	7	-	-	-
143	21.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
143	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
144	22.1	Underground railways (London)	0	0	0	-	-
144	22.2	Underground railways (Non-London)	0	0	0	-	-
145	22.3	Railway tunnels	0	0	0	-	-
145 >	22.4 >	Historical railway and tunnel features >	0	0	35	-	-
146	22.5	Royal Mail tunnels	0	0	0	-	-

147	22.6	Historical railways	0	0	0	-	-
147	22.7	Railways	0	0	0	-	-
147	22.8	Crossrail 2	0	0	0	0	-
147	22.9	HS2	0	0	0	0	-



Recent aerial photograph



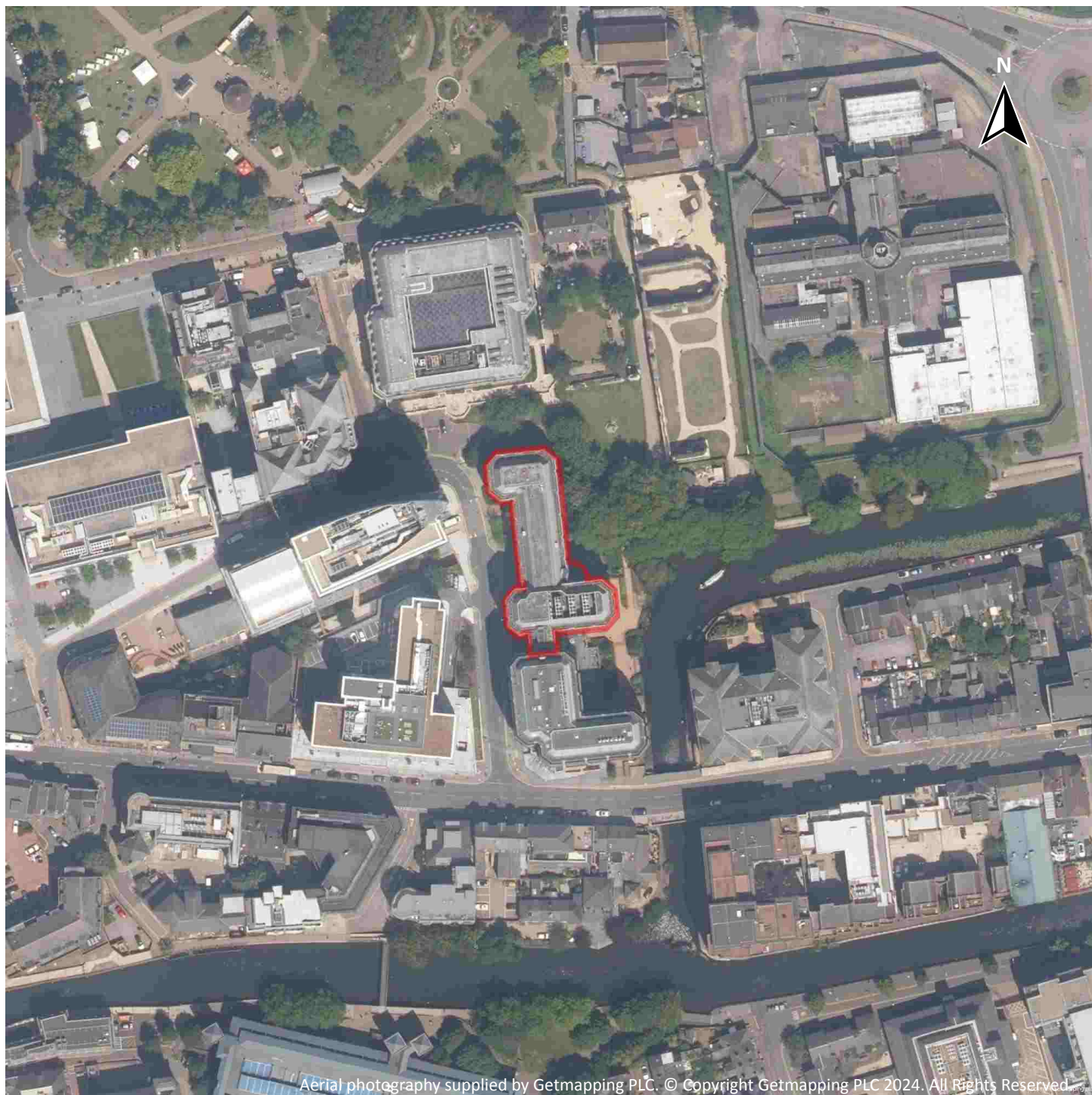
Aerial photography supplied by Getmapping PLC. © Copyright Getmapping PLC 2024. All Rights Reserved

Capture Date: 30/04/2022

Site Area: 0.16ha



Recent site history - 2019 aerial photograph

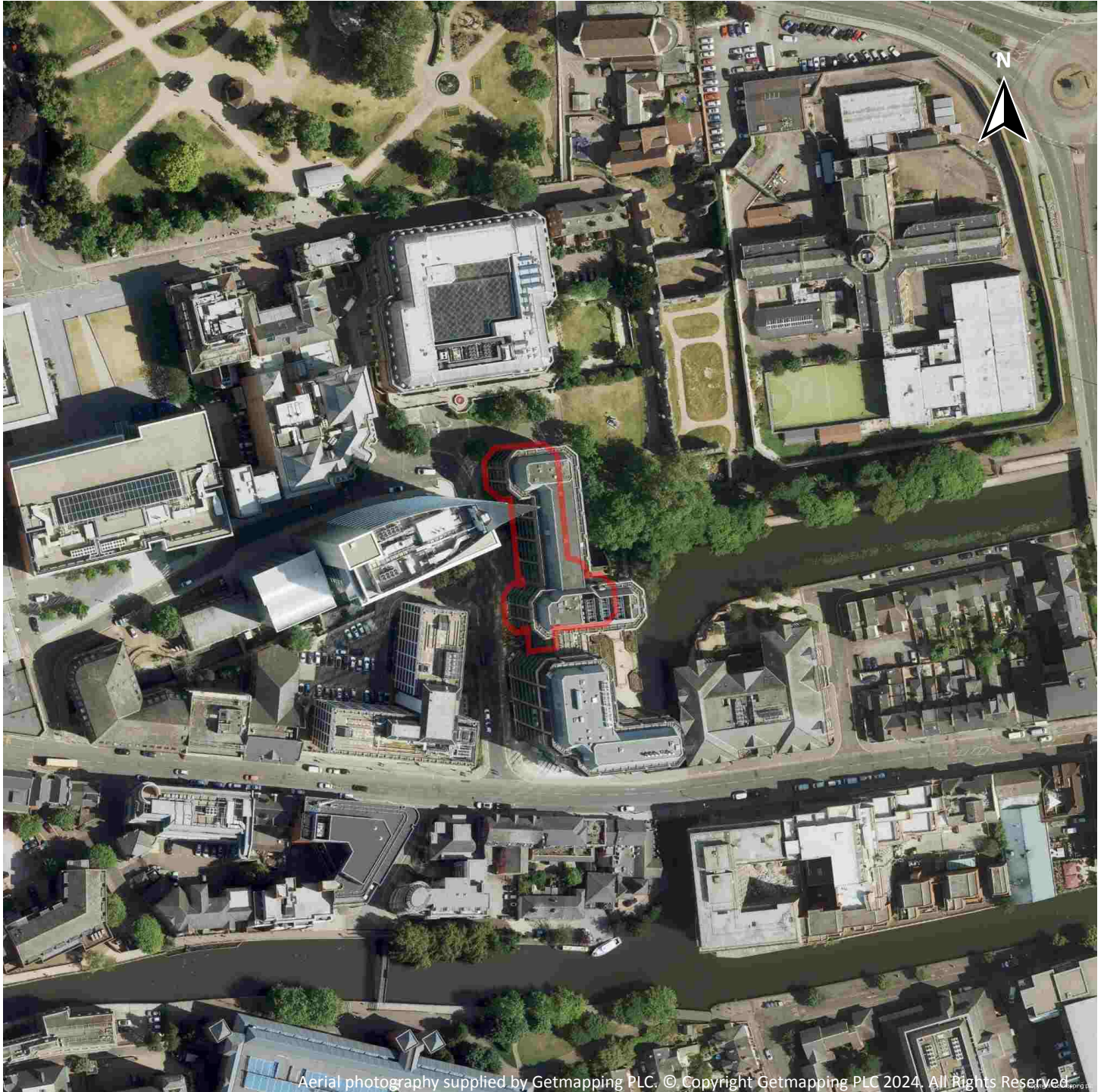


Capture Date: 29/06/2019

Site Area: 0.16ha



Recent site history - 2013 aerial photograph



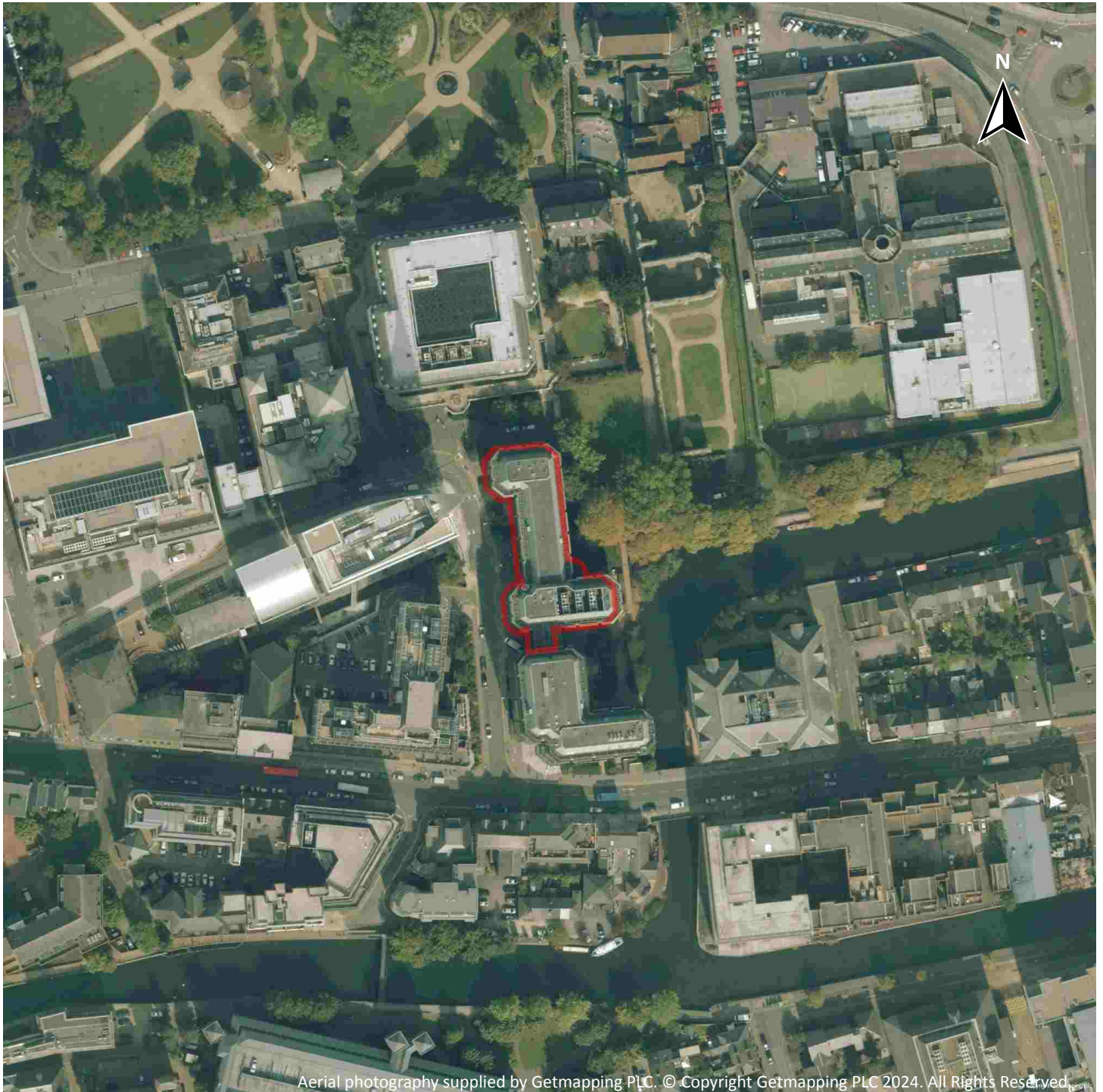
Aerial photography supplied by Getmapping PLC. © Copyright Getmapping PLC 2024. All Rights Reserved

Capture Date: 08/07/2013

Site Area: 0.16ha



Recent site history - 2010 aerial photograph

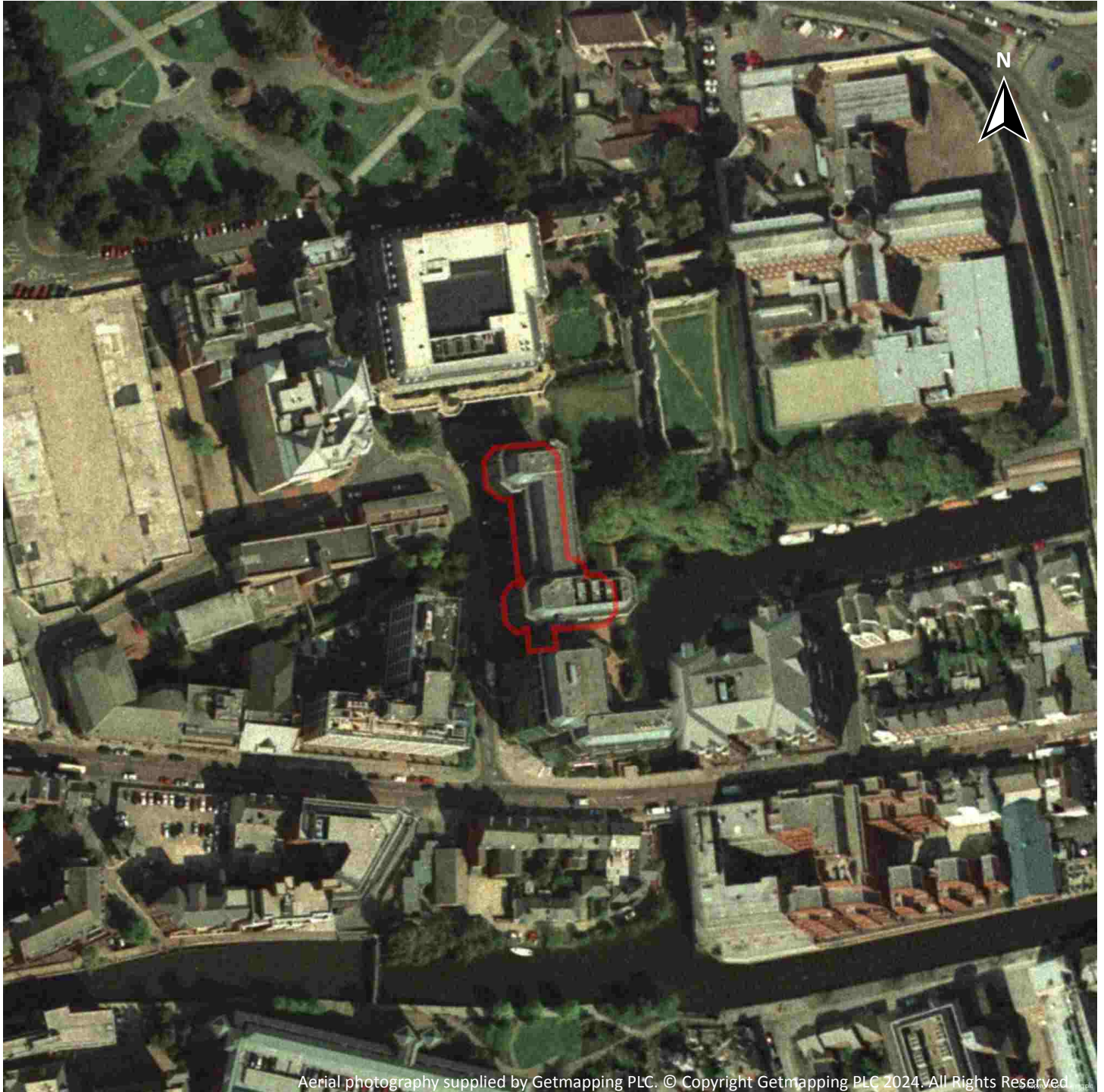


Capture Date: 22/09/2010

Site Area: 0.16ha



Recent site history - 1999 aerial photograph



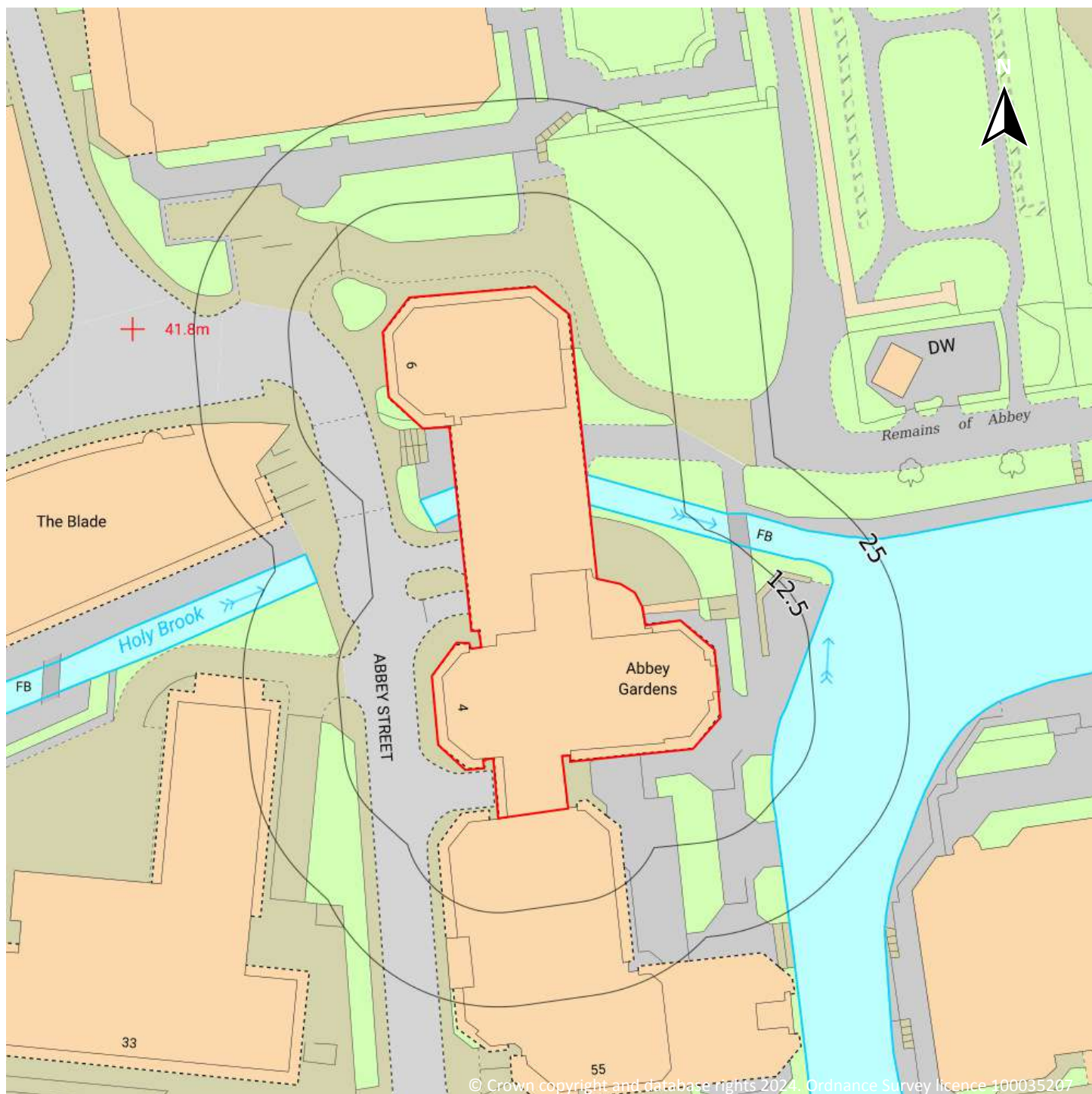
Aerial photography supplied by Getmapping PLC. © Copyright Getmapping PLC 2024. All Rights Reserved

Capture Date: 04/09/1999

Site Area: 0.16ha



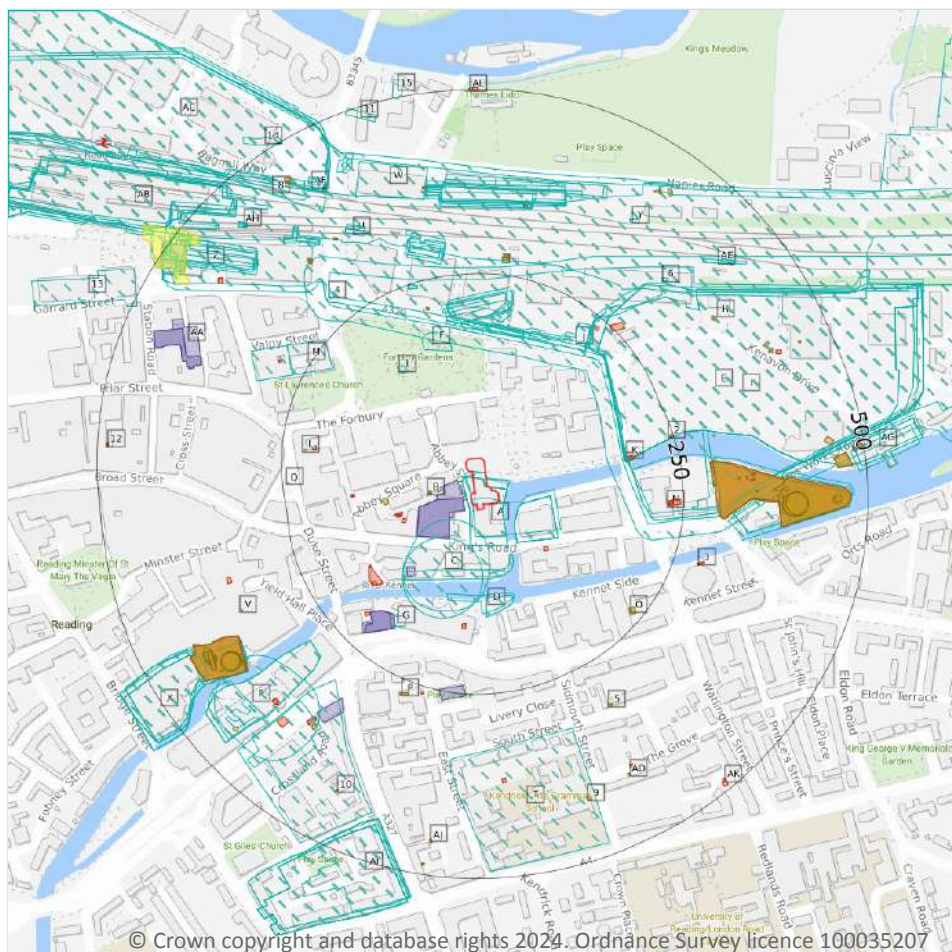
OS MasterMap site plan



Site Area: 0.16ha



1 Past land use



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

1.1 Historical industrial land uses

Records within 500m

153

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

Features are displayed on the Past land use map on [page 15](#) >

ID	Location	Land use	Dates present	Group ID
A	On site	Sawmill	1938	1908985



ID	Location	Land use	Dates present	Group ID
A	On site	Sawmills	1913	1927470
A	On site	Sawmills	1898	1930971
A	On site	Sawmills	1938	1995696
A	On site	Sawmills	1933	1996504
C	22m S	Unspecified Wharf	1989 - 1994	1977073
A	28m SE	Sawmills	1938	1915101
A	28m SE	Sawmills	1898	1915610
A	28m SE	Sawmills	1913	1964161
C	49m S	Unspecified Wharf	1938	1966925
C	71m SE	Unspecified Wharf	1938	1975400
D	116m S	Unspecified Disused Wharf	1933	1907038
D	119m S	Unspecified Wharf	1938	1950802
E	145m N	Unspecified Factory	1962	1937447
1	147m NW	Unspecified Tank	1973	1892973
F	148m N	Unspecified Heap	1933	1895361
H	164m N	Railway Sidings	1897 - 1913	1977747
F	168m N	Railway Buildings	1898	1889705
F	170m N	Railway Building	1962	1916084
H	170m N	Railway Sidings	1932 - 1979	1985279
F	172m N	Goods Sheds	1938	1937572
F	173m N	Goods Sheds	1913	1946100
I	174m E	Biscuit Factory	1898	1996619
G	174m SW	Smithy	1913	1907195
J	175m N	Goods Sheds	1938	1972241
I	177m E	Biscuit Factory	1913	1917366
I	177m E	Biscuit Factory	1938	1937300
F	177m N	Goods Sheds	1938	1989457
I	179m E	Biscuit Factory	1938	1991178



ID	Location	Land use	Dates present	Group ID
E	180m N	Biscuit Factory	1933	1935884
F	180m N	Railway Building	1898	1992267
F	181m N	Goods Sheds	1913	1914889
I	182m E	Unspecified Factory	1979	1962955
I	182m E	Unspecified Factory	1973	1981993
F	184m N	Railway Building	1962	1962319
F	184m N	Goods Sheds	1933 - 1938	1928220
F	186m N	Goods Sheds	1913	1997388
F	195m N	Railway Building	1898	1917459
F	201m N	Goods Sheds	1913	1937545
J	208m NE	Goods Sheds	1938	1900923
J	208m NE	Goods Shed	1913	1911488
M	221m NW	Police Station	1973	1908888
F	242m N	Railway Building	1938	1931590
F	242m N	Railway Building	1913	1946641
M	262m NW	Telegraph House	1973	1901459
H	266m N	Railway Building	1898	1909864
F	267m N	Railway Building	1898	1925039
H	269m N	Railway Sidings	1989 - 1994	1950624
F	274m N	Engine Shed	1938	1958065
F	274m N	Engine Shed	1913	1985982
H	274m N	Railway Building	1913	1940277
H	274m N	Railway Building	1938	1976446
F	275m N	Railway Building	1962	1987912
F	283m N	Engine Shed	1933	1936764
4	285m NW	Railway Building	1913	1909861
R	287m SW	Unspecified Depot	1989 - 1994	1992596
R	287m SW	Unspecified Depot	1979	1993995



ID	Location	Land use	Dates present	Group ID
R	300m SW	Unspecified Factory	1979	1955012
S	311m E	Gas Works	1898	1921775
F	313m N	Railway Building	1898	1909865
S	318m E	Sawmills	1913	1887146
T	318m S	Biscuit Factory	1913	1896305
S	318m E	Unspecified Commercial/Industrial	1933 - 1938	1921019
R	329m SW	Unspecified Mill	1898	1884417
U	334m NW	Railway Building	1898	1974678
U	340m NW	Railway Building	1938	1920702
U	340m NW	Railway Building	1913	1961880
H	340m N	Goods Shed	1938	1999491
H	341m N	Railway Building	1898	1966388
U	341m NW	Railway Building	1913	1909862
6	344m NE	Railway Building	1913	1909863
H	344m N	Goods Shed	1938	1943194
H	346m N	Railway Building	1962 - 1973	1948685
H	347m N	Goods Shed	1913	1961188
H	348m N	Goods Shed	1979	1987211
H	350m N	Goods Shed	1933	1928979
R	352m SW	Unspecified Factory	1973	1914634
U	354m NW	Railway Building	1938	1948006
U	356m NW	Railway Building	1913	1978014
U	356m NW	Railway Buildings	1938	1889727
W	358m N	Unspecified Depot	1989 - 1994	1916691
X	364m SW	Unspecified Commercial/Industrial	1898	1882849
X	364m SW	Brewery	1938	1946887
X	364m SW	Brewery	1913	1952260
X	366m SW	Brewery	1933	1998435



ID	Location	Land use	Dates present	Group ID
H	367m N	Railway Buildings	1989 - 1994	1943396
U	375m NW	Railway Building	1938	1909859
R	377m SW	Unspecified Tank	1913	1983914
R	377m SW	Unspecified Tank	1898	1995430
Y	378m NE	Railway Building	1938	1909860
Z	381m NW	Terminus	1898	1982665
S	383m E	Gas Works	1913	1925687
S	387m E	Unspecified Tank	1933 - 1938	1919315
S	387m E	Gasometer	1898	1923897
S	387m E	Gasometer	1913	1986300
Z	387m NW	Terminus	1938	1985560
AB	387m NW	Railway Station	1962	1981193
Z	387m NW	Terminus	1913	1930271
Z	387m NW	Terminus	1938	1940353
AC	388m NW	Railway Works	1898	1929251
S	390m E	Unspecified Tank	1938	1995979
Z	391m NW	Terminus	1933	1943710
AE	400m NE	Railway Buildings	1938	1951656
R	401m SW	Unspecified Commercial/Industrial	1933	1882930
R	401m SW	Railway Sidings	1933	1887642
R	404m SW	Unspecified Tank	1898	1892544
R	406m SW	Unspecified Tanks	1973	1918980
R	406m SW	Unspecified Tanks	1979	1966829
AC	411m NW	Unspecified Works	1962 - 1973	1934640
AC	411m NW	Unspecified Works	1979	1980970
AC	412m NW	Railway Works	1938	1958159
AC	413m NW	Railway Works	1913	1988924
AC	413m NW	Unspecified Works	1933 - 1938	1952114



ID	Location	Land use	Dates present	Group ID
8	416m NW	Railway Sidings	1933	1928151
AF	417m NW	Railway Building	1989 - 1994	1930349
AE	419m NE	Railway Buildings	1913	1955033
X	421m SW	Brewery	1973	1943421
X	421m SW	Brewery	1979	1983919
AF	421m NW	Railway Building	1933	1913435
AF	422m NW	Railway Building	1938	1926029
X	423m SW	Brewery	1938	1996846
AF	426m NW	Railway Building	1962 - 1973	1935993
AG	429m E	Corporation Sewage Pumping Station	1933	1908790
AF	430m NW	Railway Building	1933	1927917
AB	434m NW	Railway Station	1933	1965662
AH	435m NW	Railway Building	1938	1996584
Y	435m NE	Unspecified Tanks	1913	1890296
AH	436m NW	Railway Building	1913	1926761
AH	436m NW	Railway Building	1938	1994137
AI	439m S	Tin Works	1933	1925110
AB	440m NW	Railway Station	1898 - 1994	1987946
AI	441m S	Tin Works	1938	1978378
AI	442m S	Tin Works	1913	1984124
AI	449m S	Unspecified Works	1962	1890850
AI	449m S	Unspecified Commercial/Industrial	1973	1915834
AI	449m S	Unspecified Commercial/Industrial	1989	1916650
AI	449m S	Unspecified Commercial/Industrial	1979	1932011
AB	456m NW	Railway Station	1989	1953060
Z	463m NW	Railway Building	1962	1910063
AB	463m NW	Railway Station	1913	1923169
AB	463m NW	Railway Station	1938	1995285



ID	Location	Land use	Dates present	Group ID
AB	463m NW	Railway Station	1938	1990806
Z	463m NW	Garage	1973	1897335
AB	465m NW	Railway Station	1973 - 1979	1917814
11	475m N	Boat Houses	1898	1886708
Z	480m NW	Railway Building	1938	1927643
Z	480m NW	Railway Building	1913	1940807
AG	480m E	Sewage Pumping Station	1898	1979444
AG	485m E	Sewage Pumping Station	1913	1914432
AG	485m E	Sewage Pumping Station	1938	1999682
13	493m NW	Garage	1973	1897336
14	498m NW	Railway Building	1933	1910059
15	498m N	Boat House	1913	1894704

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m

90

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 15 >](#)

ID	Location	Land use	Dates present	Group ID
B	54m W	Unspecified Tank	1968 - 1988	334326
B	54m W	Unspecified Tank	1997	333970
B	112m W	Unspecified Tank	1988 - 1997	337885
F	209m N	Tank or Trough	1879	319659
F	212m N	Tank or Trough	1879	339683
F	212m N	Tank or Trough	1879	331393



ID	Location	Land use	Dates present	Group ID
L	218m W	Pump and Tank	1879	329811
L	218m W	Pump and Tank	1879	330930
O	230m SE	Tanks	1989	317545
O	230m SE	Unspecified Tank	1991	322998
Q	243m W	Tank or Trough	1879	337343
Q	243m W	Tank or Trough	1879	332528
2	245m E	Unspecified Tank	1956 - 1957	339388
P	265m S	Unspecified Tank	1958 - 1961	329744
P	265m S	Unspecified Tank	1956	333377
H	270m N	Unspecified Tank	1879 - 1900	327517
H	273m N	Unspecified Tank	1912 - 1931	330228
H	274m N	Unspecified Tank	1956 - 1962	334994
S	290m E	Gas Works	1879	331411
S	294m E	Gas Works	1879	333823
5	313m SE	Unspecified Tank	1879	335174
S	325m E	Unspecified Tank	1879	323000
S	337m E	Tanks	1879	317546
U	340m NW	Unspecified Tank	1931	342917
S	342m E	Unspecified Tank	1879	323004
S	343m E	Unspecified Tank	1879	323003
V	343m SW	Tanks	1879	332299
V	343m SW	Tanks	1879	334101
U	343m NW	Unspecified Tank	1962	331439
U	343m NW	Unspecified Tank	1956	335978
U	343m NW	Unspecified Tank	1958 - 1961	331925
S	345m E	Unspecified Tank	1879	339401
S	347m E	Unspecified Tank	1879	336085
S	349m E	Tank or Trough	1879	337649



ID	Location	Land use	Dates present	Group ID
S	349m E	Tank or Trough	1879	333714
7	362m NE	Tanks	1973	317543
R	363m SW	Gas Works	1879	333720
R	364m SW	Unspecified Tank	1968 - 1979	343523
R	365m SW	Gas Works	1879 - 1912	332383
W	370m N	Unspecified Tank	1986	324031
R	371m SW	Tanks	1956 - 1979	335063
S	371m E	Unspecified Tank	1879	323001
W	372m N	Unspecified Tank	1971	324032
S	373m E	Gas Works	1900 - 1912	338625
R	373m SW	Tanks	1979	343313
R	375m SW	Tanks	1962 - 1968	340772
R	376m SW	Gasometer	1879	334743
R	378m SW	Gasometer	1879	341187
R	378m SW	Gasometer	1879	338003
R	378m SW	Gasometer	1900 - 1912	328617
S	383m E	Unspecified Tank	1879	323002
S	385m E	Gasometer	1879	334296
S	385m E	Gasometer	1879	338742
S	385m E	Gasometer	1900 - 1931	333412
S	389m E	Gasometer	1879	329098
R	404m SW	Gasometer	1879	335953
R	405m SW	Gasometer	1879	328018
R	405m SW	Tanks	1968 - 1979	337818
R	406m SW	Tanks	1958 - 1961	331920
R	406m SW	Unspecified Tank	1956 - 1961	342246
R	407m SW	Gasometer	1900	338050
R	407m SW	Tanks	1962	330159



ID	Location	Land use	Dates present	Group ID
R	407m SW	Tanks	1956	336940
AD	408m SE	Unspecified Tank	1991	322999
I	409m NE	Unspecified Tank	1956 - 1957	337757
I	412m NE	Unspecified Tank	1956	322997
9	416m S	Unspecified Tank	1989 - 1991	342306
10	423m SW	Tanks	1962 - 1968	337361
Y	430m NE	Tanks	1912	317800
Y	433m NE	Tanks	1912	317799
Z	437m NW	Unspecified Tank	1988	323165
Y	438m NE	Tanks	1912	317798
R	439m SW	Unspecified Tank	1879 - 1900	329350
AF	446m NW	Unspecified Tank	1912 - 1931	330531
AF	446m NW	Unspecified Tank	1956 - 1962	332956
AG	447m E	Tanks	1988 - 1997	329912
AJ	451m S	Unspecified Tank	1982	327010
AJ	451m S	Unspecified Tank	1969 - 1971	334309
S	452m E	Gasometer	1879	319982
S	454m E	Tar Tank	1879	333563
I	455m NE	Unspecified Tank	1956 - 1957	336482
AG	457m E	Unspecified Tank	1956	330185
AG	457m E	Unspecified Tank	1957	329230
AG	459m E	Unspecified Tank	1971 - 1991	329978
AJ	484m S	Unspecified Tank	1979	328382
AJ	484m S	Unspecified Tank	1982	343686
AJ	485m S	Unspecified Tank	1969	331611
AJ	485m S	Unspecified Tank	1982	344026
AJ	485m S	Unspecified Tank	1971	342487
AL	499m N	Unspecified Tank	1912 - 1931	340620

This data is sourced from Ordnance Survey / Groundsure.



1.3 Historical energy features

Records within 500m
71

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 15 >](#)

ID	Location	Land use	Dates present	Group ID
A	87m SE	Electricity Substation	1971	209560
B	92m SW	Electricity Substation	1968 - 1979	216874
B	94m W	Electricity Substation	1997	218979
B	97m W	Electricity Substation	1988	212685
B	99m W	Electricity Substation	1988	231608
D	155m S	Electricity Substation	1968 - 1988	228771
B	156m W	Electricity Substation	1988 - 1997	216765
B	158m W	Electricity Substation	1988	212009
G	161m SW	Electricity Substation	1988 - 1997	215244
G	168m SW	Electricity Substation	1988	216317
K	178m E	Electricity Substation	1989	219947
K	178m E	Electricity Substation	1971	221654
K	178m E	Electricity Substation	1957	231993
K	178m E	Electricity Substation	1956	234198
G	202m SW	Electricity Substation	1988 - 1997	213804
L	203m W	Electricity Substation	1979 - 1993	212698
N	229m E	Electricity Substation	1989	217750
N	230m E	Electricity Substations	1991	211036
N	230m E	Electricity Substation	1956	227398
N	230m E	Electricity Substation	1957	212737
N	231m E	Electricity Substation	1971	232326



ID	Location	Land use	Dates present	Group ID
J	232m NE	Electricity Substation	1988 - 1990	217556
J	246m NE	Electricity Substation	1956 - 1973	233982
P	257m S	Electricity Substation	1997	209557
3	282m E	Electricity Substation	1971	210200
M	284m NW	Electricity Substation	1971 - 1993	216301
S	290m E	Gas Works	1879	225380
S	294m E	Gas Works	1879	224097
V	342m W	Electricity Substation	1968 - 1997	220504
H	345m N	Electricity Substation	1988 - 1997	226956
U	346m NW	Electricity Substation	1971	209559
R	356m SW	Electricity Substation	1988	215421
R	356m SW	Electricity Substation	1988 - 1997	229869
R	363m SW	Gas Works	1879	211625
R	365m SW	Gas Works	1879 - 1912	225991
T	365m S	Electricity Substation	1988 - 1997	217077
S	373m E	Gas Works	1900 - 1912	223186
R	374m SW	Electricity Substation	1988	219663
R	374m SW	Electricity Substation	1997	229621
R	376m SW	Gasometer	1879 - 1912	213774
R	377m SW	Electricity Substation	1979	209562
R	378m SW	Gasometer	1879	213150
R	378m SW	Gasometer	1879	217630
R	383m SW	Electricity Substation	1968 - 1979	214771
S	385m E	Gasometer	1879	228476
S	385m E	Gasometer	1879	226429
S	385m E	Gasometer	1900 - 1931	221024
S	389m E	Gasometer	1879	233776
R	391m SW	Electricity Substation	1968 - 1979	221107



ID	Location	Land use	Dates present	Group ID
AD	398m SE	Electricity Substation	1989 - 1991	213975
R	404m SW	Gasometer	1879	224324
R	405m SW	Gasometer	1879	211477
R	407m SW	Gasometer	1900	233129
Z	409m NW	Electricity Substation	1971 - 1979	221886
Z	409m NW	Electricity Substation	1986	220620
AF	412m NW	Electricity Substation	1993	209565
AF	416m NW	Electricity Substation	1979 - 1986	225200
I	421m NE	Electricity Substation	1988 - 1997	215480
AJ	451m S	Electricity Substation	1979	207329
S	452m E	Gasometer	1879	211321
AG	484m E	Electricity Substation	1973	225477
AG	484m E	Electricity Substation	1990	224858
AG	484m E	Electricity Substation	1988	231992
AK	484m SE	Electricity Substation	1991	216628
12	485m W	Electricity Substation	1969 - 1996	233524
AG	485m E	Electricity Substation	1956	216338
AG	486m E	Electricity Substation	1957	220189
AK	487m SE	Electricity Substation	1971	233422
AG	488m E	Electricity Substation	1997	222180
AG	488m E	Electricity Substation	1997	234310
AL	499m N	Electricity Substation	1971 - 1993	217897

This data is sourced from Ordnance Survey / Groundsure.

1.4 Historical petrol stations

Records within 500m

1

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'.

Features are displayed on the Past land use map on [page 15 >](#)

ID	Location	Land use	Dates present	Group ID
Z	445m NW	Filling Station	1979	3428

This data is sourced from Ordnance Survey / Groundsure.

1.5 Historical garages

Records within 500m	14
----------------------------	-----------

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

Features are displayed on the Past land use map on [page 15 >](#)

ID	Location	Land use	Dates present	Group ID
B	10m SW	Garage	1958 - 1961	71812
B	10m SW	Garage	1962 - 1968	71970
B	11m SW	Garage	1956	68070
C	115m SW	Garage	1968	67564
G	181m SW	Garage	1958 - 1961	70022
G	181m SW	Garage	1956	69716
G	183m SW	Garage	1962	70707
G	183m SW	Garage	1968	68244
P	239m S	Garage	1988	67563
R	314m SW	Police Garage	1968 - 1979	69960
AA	382m NW	Garage	1958 - 1961	68505
AA	382m NW	Garage	1962 - 1971	68626
AA	382m NW	Garage	1956	70240
Z	460m NW	Garage	1971	67430

This data is sourced from Ordnance Survey / Groundsure.



1.6 Historical military land

Records within 500m

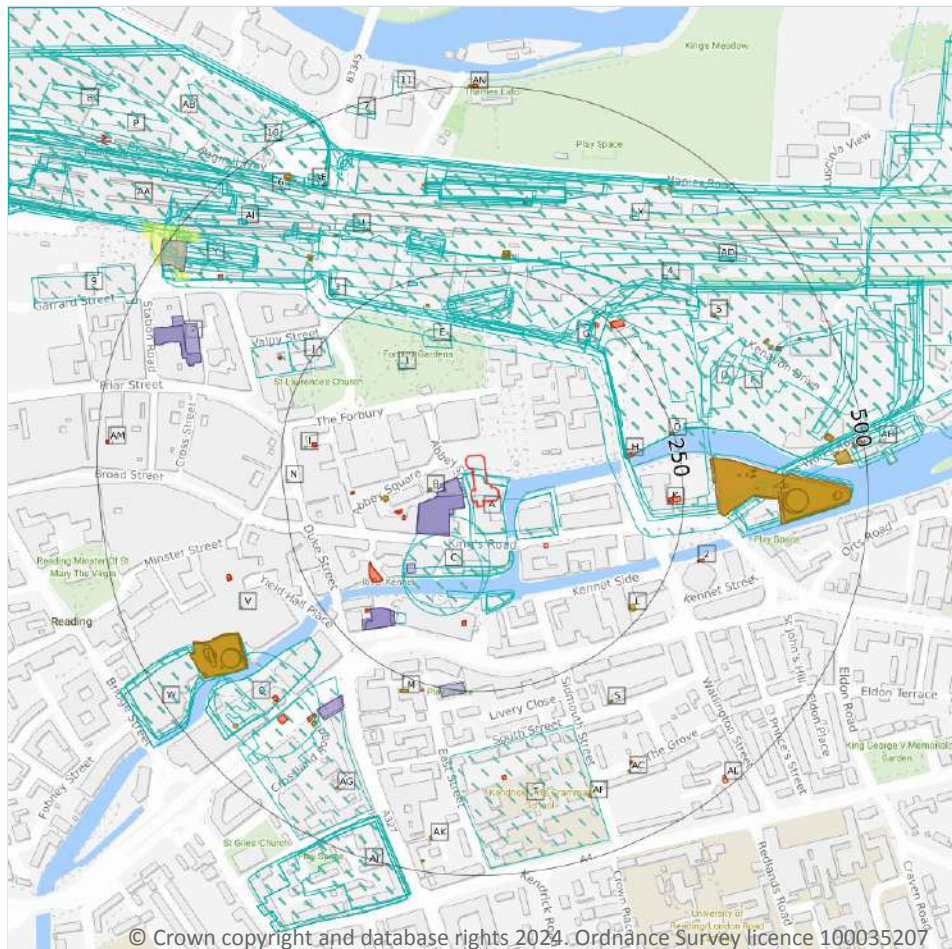
0

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

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



2 Past land use - un-grouped



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

2.1 Historical industrial land uses

Records within 500m

179

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 30](#) >

ID	Location	Land Use	Date	Group ID
A	On site	Sawmills	1938	1995696
A	On site	Sawmills	1913	1927470
A	On site	Sawmills	1898	1930971



ID	Location	Land Use	Date	Group ID
A	On site	Sawmills	1933	1996504
A	On site	Sawmill	1938	1908985
C	22m S	Unspecified Wharf	1994	1977073
A	28m SE	Sawmills	1938	1915101
A	28m SE	Sawmills	1913	1964161
A	28m SE	Sawmills	1898	1915610
C	49m S	Unspecified Wharf	1938	1966925
C	71m SE	Unspecified Wharf	1938	1975400
C	71m SE	Unspecified Wharf	1938	1975400
C	87m S	Unspecified Wharf	1989	1977073
C	116m S	Unspecified Disused Wharf	1933	1907038
C	119m S	Unspecified Wharf	1938	1950802
C	119m S	Unspecified Wharf	1938	1950802
C	122m S	Unspecified Wharf	1938	1950802
D	145m N	Unspecified Factory	1962	1937447
1	147m NW	Unspecified Tank	1973	1892973
E	148m N	Unspecified Heap	1933	1895361
E	164m N	Railway Sidings	1898	1977747
E	168m N	Railway Buildings	1898	1889705
E	170m N	Railway Sidings	1962	1985279
E	170m N	Railway Building	1962	1916084
E	172m N	Railway Sidings	1938	1985279
E	172m N	Goods Sheds	1938	1937572
E	173m N	Railway Sidings	1913	1977747
E	173m N	Goods Sheds	1913	1946100
F	174m E	Biscuit Factory	1898	1996619
C	174m SW	Smithy	1913	1907195
G	175m N	Goods Sheds	1938	1972241



ID	Location	Land Use	Date	Group ID
F	177m E	Biscuit Factory	1913	1917366
F	177m E	Biscuit Factory	1938	1937300
E	177m N	Goods Sheds	1938	1989457
E	177m N	Railway Sidings	1938	1985279
F	179m E	Biscuit Factory	1938	1991178
D	180m N	Biscuit Factory	1933	1935884
E	180m N	Railway Building	1898	1992267
E	181m N	Goods Sheds	1913	1914889
F	182m E	Unspecified Factory	1979	1962955
F	182m E	Unspecified Factory	1973	1981993
E	184m N	Railway Building	1962	1962319
E	184m N	Goods Sheds	1938	1928220
E	186m N	Goods Sheds	1913	1997388
E	191m N	Goods Sheds	1933	1928220
E	195m N	Railway Building	1898	1917459
E	198m NE	Railway Sidings	1933	1985279
E	201m N	Goods Sheds	1913	1937545
G	208m NE	Goods Shed	1913	1911488
G	208m NE	Goods Sheds	1938	1900923
J	221m NW	Police Station	1973	1908888
E	242m N	Railway Building	1938	1931590
E	242m N	Railway Building	1913	1946641
J	262m NW	Telegraph House	1973	1901459
E	266m N	Railway Building	1898	1909864
E	267m N	Railway Building	1898	1925039
P	267m N	Railway Sidings	1979	1985279
P	267m N	Railway Sidings	1973	1985279
E	269m N	Railway Sidings	1994	1950624



ID	Location	Land Use	Date	Group ID
E	269m N	Railway Sidings	1989	1950624
E	274m N	Engine Shed	1913	1985982
E	274m N	Engine Shed	1938	1958065
E	274m N	Railway Building	1938	1976446
E	274m N	Railway Building	1913	1940277
E	275m N	Railway Building	1962	1987912
E	277m N	Engine Shed	1938	1958065
E	283m N	Engine Shed	1933	1936764
3	285m NW	Railway Building	1913	1909861
Q	287m SW	Unspecified Depot	1994	1992596
Q	287m SW	Unspecified Depot	1989	1992596
Q	287m SW	Unspecified Depot	1979	1993995
Q	300m SW	Unspecified Factory	1979	1955012
R	311m E	Gas Works	1898	1921775
E	313m N	Railway Building	1898	1909865
R	318m E	Sawmills	1913	1887146
T	318m S	Biscuit Factory	1913	1896305
R	318m E	Unspecified Commercial/Industrial	1933	1921019
R	319m E	Unspecified Commercial/Industrial	1938	1921019
Q	329m SW	Unspecified Mill	1898	1884417
U	334m NW	Railway Building	1898	1974678
U	340m NW	Railway Building	1913	1961880
U	340m NW	Railway Building	1938	1920702
E	340m N	Goods Shed	1938	1999491
E	341m N	Railway Building	1898	1966388
U	341m NW	Railway Building	1913	1909862
4	344m NE	Railway Building	1913	1909863
E	344m N	Goods Shed	1938	1943194



ID	Location	Land Use	Date	Group ID
E	346m N	Railway Building	1962	1948685
E	346m N	Railway Building	1973	1948685
E	347m N	Goods Shed	1913	1961188
E	348m N	Goods Shed	1979	1987211
E	350m N	Goods Shed	1933	1928979
Q	352m SW	Unspecified Factory	1973	1914634
U	354m NW	Railway Building	1938	1948006
U	356m NW	Railway Building	1913	1978014
U	356m NW	Railway Buildings	1938	1889727
P	358m N	Unspecified Depot	1994	1916691
P	358m N	Unspecified Depot	1989	1916691
W	364m SW	Brewery	1938	1946887
W	364m SW	Brewery	1913	1952260
W	364m SW	Unspecified Commercial/Industrial	1898	1882849
W	366m SW	Brewery	1933	1998435
E	367m N	Railway Buildings	1994	1943396
E	367m N	Railway Buildings	1989	1943396
U	375m NW	Railway Building	1938	1909859
Q	377m SW	Unspecified Tank	1913	1983914
Q	377m SW	Unspecified Tank	1898	1995430
X	378m NE	Railway Building	1938	1909860
Y	381m NW	Terminus	1898	1982665
R	383m E	Gas Works	1913	1925687
R	387m E	Gasometer	1913	1986300
R	387m E	Gasometer	1898	1923897
R	387m E	Unspecified Tank	1938	1919315
Y	387m NW	Terminus	1938	1985560
AA	387m NW	Railway Station	1962	1981193



ID	Location	Land Use	Date	Group ID
Y	387m NW	Terminus	1913	1930271
Y	387m NW	Terminus	1938	1940353
AB	388m NW	Railway Works	1898	1929251
R	390m E	Unspecified Tank	1938	1995979
R	391m E	Unspecified Tank	1933	1919315
Y	391m NW	Terminus	1933	1943710
AD	400m NE	Railway Buildings	1938	1951656
Q	401m SW	Railway Sidings	1933	1887642
Q	401m SW	Unspecified Commercial/Industrial	1933	1882930
Q	404m SW	Unspecified Tank	1898	1892544
Q	406m SW	Unspecified Tanks	1979	1966829
Q	406m SW	Unspecified Tanks	1973	1918980
AB	411m NW	Unspecified Works	1979	1980970
AB	411m NW	Unspecified Works	1962	1934640
AB	411m NW	Unspecified Works	1973	1934640
AB	412m NW	Railway Works	1938	1958159
AB	413m NW	Railway Works	1913	1988924
AB	413m NW	Unspecified Works	1938	1952114
6	416m NW	Railway Sidings	1933	1928151
AE	417m NW	Railway Building	1994	1930349
AE	417m NW	Railway Building	1989	1930349
AD	419m NE	Railway Buildings	1913	1955033
W	421m SW	Brewery	1979	1983919
W	421m SW	Brewery	1973	1943421
AE	421m NW	Railway Building	1933	1913435
AE	422m NW	Railway Building	1938	1926029
W	423m SW	Brewery	1938	1996846
AE	426m NW	Railway Building	1962	1935993



ID	Location	Land Use	Date	Group ID
AE	426m NW	Railway Building	1973	1935993
AH	429m E	Corporation Sewage Pumping Station	1933	1908790
AE	430m NW	Railway Building	1933	1927917
AA	434m NW	Railway Station	1933	1965662
AI	435m NW	Railway Building	1938	1996584
X	435m NE	Unspecified Tanks	1913	1890296
AI	436m NW	Railway Building	1938	1994137
AI	436m NW	Railway Building	1913	1926761
AJ	439m S	Tin Works	1933	1925110
AA	440m NW	Railway Station	1994	1987946
AJ	441m S	Tin Works	1938	1978378
AJ	442m S	Tin Works	1938	1978378
AJ	442m S	Tin Works	1913	1984124
AJ	449m S	Unspecified Commercial/Industrial	1989	1916650
AJ	449m S	Unspecified Commercial/Industrial	1979	1932011
AJ	449m S	Unspecified Works	1962	1890850
AJ	449m S	Unspecified Commercial/Industrial	1973	1915834
AA	454m NW	Railway Station	1898	1987946
AA	456m NW	Railway Station	1989	1953060
Y	463m NW	Railway Building	1962	1910063
AA	463m NW	Railway Station	1938	1995285
AA	463m NW	Railway Station	1913	1923169
AA	463m NW	Railway Station	1938	1990806
Y	463m NW	Garage	1973	1897335
AA	465m NW	Railway Station	1979	1917814
AA	465m NW	Railway Station	1973	1917814
7	475m N	Boat Houses	1898	1886708
Y	480m NW	Railway Building	1938	1927643



ID	Location	Land Use	Date	Group ID
Y	480m NW	Railway Building	1913	1940807
AH	480m E	Sewage Pumping Station	1898	1979444
AH	485m E	Sewage Pumping Station	1938	1999682
AH	485m E	Sewage Pumping Station	1913	1914432
8	490m NW	Unspecified Works	1933	1952114
9	493m NW	Garage	1973	1897336
10	498m NW	Railway Building	1933	1910059
11	498m N	Boat House	1913	1894704

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m

147

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 30 >](#)

ID	Location	Land Use	Date	Group ID
B	54m W	Unspecified Tank	1979	334326
B	54m W	Unspecified Tank	1988	334326
B	54m W	Unspecified Tank	1997	333970
B	54m W	Unspecified Tank	1988	334326
B	54m W	Unspecified Tank	1968	334326
B	112m W	Unspecified Tank	1988	337885
B	112m W	Unspecified Tank	1997	337885
E	209m N	Tank or Trough	1879	319659
E	212m N	Tank or Trough	1879	339683
E	212m N	Tank or Trough	1879	331393
I	218m W	Pump and Tank	1879	329811
I	218m W	Pump and Tank	1879	330930



ID	Location	Land Use	Date	Group ID
L	230m SE	Tanks	1989	317545
L	230m SE	Unspecified Tank	1991	322998
N	243m W	Tank or Trough	1879	337343
N	243m W	Tank or Trough	1879	332528
O	245m E	Unspecified Tank	1956	339388
O	245m E	Unspecified Tank	1957	339388
M	265m S	Unspecified Tank	1958	329744
M	265m S	Unspecified Tank	1961	329744
M	265m S	Unspecified Tank	1956	333377
E	270m N	Unspecified Tank	1879	327517
E	270m N	Unspecified Tank	1879	327517
E	270m N	Unspecified Tank	1900	327517
E	273m N	Unspecified Tank	1912	330228
E	273m N	Unspecified Tank	1931	330228
E	273m N	Unspecified Tank	1879	327517
E	274m N	Unspecified Tank	1962	334994
E	274m N	Unspecified Tank	1956	334994
E	274m N	Unspecified Tank	1958	334994
E	274m N	Unspecified Tank	1961	334994
R	290m E	Gas Works	1879	331411
R	294m E	Gas Works	1879	333823
R	294m E	Gas Works	1879	333823
S	313m SE	Unspecified Tank	1879	335174
S	313m SE	Unspecified Tank	1879	335174
R	325m E	Unspecified Tank	1879	323000
R	337m E	Tanks	1879	317546
U	340m NW	Unspecified Tank	1931	342917
R	342m E	Unspecified Tank	1879	323004



ID	Location	Land Use	Date	Group ID
R	343m E	Unspecified Tank	1879	323003
V	343m SW	Tanks	1879	332299
V	343m SW	Tanks	1879	334101
U	343m NW	Unspecified Tank	1962	331439
U	343m NW	Unspecified Tank	1956	335978
U	343m NW	Unspecified Tank	1958	331925
U	343m NW	Unspecified Tank	1961	331925
R	345m E	Unspecified Tank	1879	339401
R	345m E	Unspecified Tank	1879	339401
R	347m E	Unspecified Tank	1879	336085
R	347m E	Unspecified Tank	1879	336085
R	349m E	Tank or Trough	1879	337649
R	349m E	Tank or Trough	1879	333714
5	362m NE	Tanks	1973	317543
Q	363m SW	Gas Works	1879	333720
Q	364m SW	Unspecified Tank	1979	343523
Q	365m SW	Gas Works	1879	332383
Q	365m SW	Gas Works	1879	332383
Q	365m SW	Unspecified Tank	1968	343523
Q	366m SW	Gas Works	1900	332383
Q	366m SW	Gas Works	1912	332383
P	370m N	Unspecified Tank	1986	324031
Q	371m SW	Tanks	1979	335063
R	371m E	Unspecified Tank	1879	323001
P	372m N	Unspecified Tank	1971	324032
Q	372m SW	Tanks	1958	335063
Q	372m SW	Tanks	1961	335063
Q	372m SW	Tanks	1962	335063



ID	Location	Land Use	Date	Group ID
Q	372m SW	Tanks	1956	335063
Q	372m SW	Tanks	1968	335063
R	373m E	Gas Works	1900	338625
Q	373m SW	Tanks	1979	343313
Q	375m SW	Tanks	1962	340772
Q	375m SW	Tanks	1968	340772
Q	376m SW	Gasometer	1879	334743
Q	378m SW	Gasometer	1879	341187
Q	378m SW	Gasometer	1879	338003
Q	378m SW	Gasometer	1900	328617
Q	378m SW	Gasometer	1912	328617
R	382m E	Gas Works	1912	338625
R	383m E	Unspecified Tank	1879	323002
R	385m E	Gasometer	1879	334296
R	385m E	Gasometer	1879	338742
R	385m E	Gasometer	1900	333412
R	385m E	Gasometer	1912	333412
R	385m E	Gasometer	1931	333412
R	387m E	Gasometer	1879	338742
R	387m E	Gasometer	1879	338742
R	389m E	Gasometer	1879	329098
R	389m E	Gasometer	1879	329098
Q	404m SW	Gasometer	1879	335953
Q	405m SW	Gasometer	1879	328018
Q	405m SW	Gasometer	1879	328018
Q	405m SW	Tanks	1979	337818
Q	406m SW	Tanks	1958	331920
Q	406m SW	Tanks	1961	331920



ID	Location	Land Use	Date	Group ID
Q	406m SW	Unspecified Tank	1956	342246
Q	406m SW	Unspecified Tank	1958	342246
Q	406m SW	Unspecified Tank	1961	342246
Q	406m SW	Tanks	1968	337818
Q	407m SW	Gasometer	1900	338050
Q	407m SW	Tanks	1962	330159
Q	407m SW	Tanks	1956	336940
AC	408m SE	Unspecified Tank	1991	322999
F	409m NE	Unspecified Tank	1956	337757
F	409m NE	Unspecified Tank	1957	337757
F	412m NE	Unspecified Tank	1956	322997
AF	416m S	Unspecified Tank	1989	342306
AF	416m S	Unspecified Tank	1991	342306
AG	423m SW	Tanks	1962	337361
AG	423m SW	Tanks	1968	337361
X	430m NE	Tanks	1912	317800
X	433m NE	Tanks	1912	317799
Y	437m NW	Unspecified Tank	1988	323165
X	438m NE	Tanks	1912	317798
Q	439m SW	Unspecified Tank	1879	329350
Q	440m SW	Unspecified Tank	1900	329350
AE	446m NW	Unspecified Tank	1931	330531
AE	446m NW	Unspecified Tank	1912	330531
AE	446m NW	Unspecified Tank	1962	332956
AE	446m NW	Unspecified Tank	1956	332956
AE	446m NW	Unspecified Tank	1958	332956
AE	446m NW	Unspecified Tank	1961	332956
AH	447m E	Tanks	1988	329912



ID	Location	Land Use	Date	Group ID
AH	447m E	Tanks	1990	329912
AH	448m E	Tanks	1997	329912
AH	448m E	Tanks	1997	329912
AK	451m S	Unspecified Tank	1982	327010
AK	451m S	Unspecified Tank	1969	334309
AK	451m S	Unspecified Tank	1971	334309
R	452m E	Gasometer	1879	319982
R	454m E	Tar Tank	1879	333563
R	454m E	Tar Tank	1879	333563
F	455m NE	Unspecified Tank	1956	336482
F	455m NE	Unspecified Tank	1957	336482
AH	457m E	Unspecified Tank	1956	330185
AH	457m E	Unspecified Tank	1957	329230
AH	459m E	Unspecified Tank	1989	329978
AH	459m E	Unspecified Tank	1991	329978
AH	459m E	Unspecified Tank	1971	329978
AK	484m S	Unspecified Tank	1979	328382
AK	484m S	Unspecified Tank	1982	343686
AK	485m S	Unspecified Tank	1982	344026
AK	485m S	Unspecified Tank	1969	331611
AK	485m S	Unspecified Tank	1971	342487
AN	499m N	Unspecified Tank	1912	340620
AN	499m N	Unspecified Tank	1931	340620

This data is sourced from Ordnance Survey / Groundsure.



2.3 Historical energy features

Records within 500m

129

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 30](#) >

ID	Location	Land Use	Date	Group ID
A	87m SE	Electricity Substation	1971	209560
B	92m SW	Electricity Substation	1979	216874
B	93m SW	Electricity Substation	1968	216874
B	94m W	Electricity Substation	1997	218979
B	97m W	Electricity Substation	1988	212685
B	99m W	Electricity Substation	1988	231608
C	155m S	Electricity Substation	1979	228771
C	155m S	Electricity Substation	1988	228771
C	155m S	Electricity Substation	1968	228771
B	156m W	Electricity Substation	1997	216765
B	156m W	Electricity Substation	1988	216765
B	158m W	Electricity Substation	1988	212009
C	161m SW	Electricity Substation	1997	215244
C	162m SW	Electricity Substation	1988	215244
C	168m SW	Electricity Substation	1988	216317
H	178m E	Electricity Substation	1989	219947
H	178m E	Electricity Substation	1971	221654
H	178m E	Electricity Substation	1957	231993
H	178m E	Electricity Substation	1956	234198
C	202m SW	Electricity Substation	1997	213804
I	203m W	Electricity Substation	1986	212698
I	203m W	Electricity Substation	1993	212698
C	204m SW	Electricity Substation	1988	213804



ID	Location	Land Use	Date	Group ID
I	204m W	Electricity Substation	1979	212698
I	204m W	Electricity Substation	1988	212698
I	204m W	Electricity Substation	1988	212698
K	229m E	Electricity Substation	1989	217750
K	230m E	Electricity Substations	1991	211036
K	230m E	Electricity Substation	1956	227398
K	230m E	Electricity Substation	1957	212737
K	231m E	Electricity Substation	1971	232326
G	232m NE	Electricity Substation	1988	217556
G	232m NE	Electricity Substation	1990	217556
G	246m NE	Electricity Substation	1957	233982
G	246m NE	Electricity Substation	1956	233982
G	246m NE	Electricity Substation	1973	233982
M	257m S	Electricity Substation	1997	209557
2	282m E	Electricity Substation	1971	210200
J	284m NW	Electricity Substation	1986	216301
J	284m NW	Electricity Substation	1971	216301
J	284m NW	Electricity Substation	1993	216301
J	286m NW	Electricity Substation	1979	216301
J	286m NW	Electricity Substation	1988	216301
J	286m NW	Electricity Substation	1988	216301
R	290m E	Gas Works	1879	225380
R	294m E	Gas Works	1879	224097
R	294m E	Gas Works	1879	224097
V	342m W	Electricity Substation	1979	220504
V	342m W	Electricity Substation	1988	220504
V	343m W	Electricity Substation	1997	220504
V	343m W	Electricity Substation	1988	220504



ID	Location	Land Use	Date	Group ID
V	343m W	Electricity Substation	1968	220504
E	345m N	Electricity Substation	1988	226956
E	345m N	Electricity Substation	1990	226956
E	345m N	Electricity Substation	1997	226956
U	346m NW	Electricity Substation	1971	209559
Q	356m SW	Electricity Substation	1988	215421
Q	356m SW	Electricity Substation	1988	229869
Q	357m SW	Electricity Substation	1997	229869
Q	363m SW	Gas Works	1879	211625
Q	365m SW	Gas Works	1879	225991
Q	365m SW	Gas Works	1879	225991
T	365m S	Electricity Substation	1997	217077
T	366m S	Electricity Substation	1988	217077
Q	366m SW	Gas Works	1900	225991
Q	366m SW	Gas Works	1912	225991
R	373m E	Gas Works	1900	223186
Q	374m SW	Electricity Substation	1988	219663
Q	374m SW	Electricity Substation	1997	229621
Q	374m SW	Electricity Substation	1988	219663
Q	376m SW	Gasometer	1879	213774
Q	377m SW	Electricity Substation	1979	209562
Q	378m SW	Gasometer	1879	213150
Q	378m SW	Gasometer	1879	217630
Q	378m SW	Gasometer	1900	213774
Q	378m SW	Gasometer	1912	213774
R	382m E	Gas Works	1912	223186
Q	383m SW	Electricity Substation	1979	214771
R	385m E	Gasometer	1879	228476



ID	Location	Land Use	Date	Group ID
R	385m E	Gasometer	1879	226429
R	385m E	Gasometer	1900	221024
R	385m E	Gasometer	1912	221024
R	385m E	Gasometer	1931	221024
Q	385m SW	Electricity Substation	1968	214771
R	387m E	Gasometer	1879	226429
R	387m E	Gasometer	1879	226429
R	389m E	Gasometer	1879	233776
R	389m E	Gasometer	1879	233776
Q	391m SW	Electricity Substation	1979	221107
Q	393m SW	Electricity Substation	1968	221107
AC	398m SE	Electricity Substation	1989	213975
AC	399m SE	Electricity Substation	1991	213975
Q	404m SW	Gasometer	1879	224324
Q	405m SW	Gasometer	1879	211477
Q	405m SW	Gasometer	1879	211477
Q	407m SW	Gasometer	1900	233129
Y	409m NW	Electricity Substation	1971	221886
Y	409m NW	Electricity Substation	1986	220620
Y	409m NW	Electricity Substation	1979	221886
AE	412m NW	Electricity Substation	1993	209565
AE	416m NW	Electricity Substation	1986	225200
AE	416m NW	Electricity Substation	1979	225200
F	421m NE	Electricity Substation	1988	215480
F	421m NE	Electricity Substation	1990	215480
F	422m NE	Electricity Substation	1997	215480
AK	451m S	Electricity Substation	1979	207329
R	452m E	Gasometer	1879	211321



ID	Location	Land Use	Date	Group ID
AH	484m E	Electricity Substation	1973	225477
AH	484m E	Electricity Substation	1988	231992
AH	484m E	Electricity Substation	1990	224858
AL	484m SE	Electricity Substation	1991	216628
AM	485m W	Electricity Substation	1986	233524
AH	485m E	Electricity Substation	1956	216338
AM	485m W	Electricity Substation	1994	233524
AM	485m W	Electricity Substation	1996	233524
AM	485m W	Electricity Substation	1969	233524
AH	486m E	Electricity Substation	1957	220189
AM	486m W	Electricity Substation	1979	233524
AM	486m W	Electricity Substation	1988	233524
AM	486m W	Electricity Substation	1993	233524
AL	487m SE	Electricity Substation	1971	233422
AH	488m E	Electricity Substation	1997	222180
AH	488m E	Electricity Substation	1997	234310
AN	499m N	Electricity Substation	1979	217897
AN	499m N	Electricity Substation	1988	217897
AN	499m N	Electricity Substation	1988	217897
AN	499m N	Electricity Substation	1986	217897
AN	499m N	Electricity Substation	1993	217897
AN	499m N	Electricity Substation	1971	217897

This data is sourced from Ordnance Survey / Groundsure.

2.4 Historical petrol stations

Records within 500m

1

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'.



Features are displayed on the Past land use - un-grouped map on [page 30 >](#)

ID	Location	Land Use	Date	Group ID
Y	445m NW	Filling Station	1979	3428

This data is sourced from Ordnance Survey / Groundsure.

2.5 Historical garages

Records within 500m	20
----------------------------	-----------

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

Features are displayed on the Past land use - un-grouped map on [page 30 >](#)

ID	Location	Land Use	Date	Group ID
B	10m SW	Garage	1958	71812
B	10m SW	Garage	1961	71812
B	10m SW	Garage	1962	71970
B	10m SW	Garage	1968	71970
B	11m SW	Garage	1956	68070
C	115m SW	Garage	1968	67564
C	181m SW	Garage	1958	70022
C	181m SW	Garage	1961	70022
C	181m SW	Garage	1956	69716
C	183m SW	Garage	1962	70707
C	183m SW	Garage	1968	68244
M	239m S	Garage	1988	67563
Q	314m SW	Police Garage	1979	69960
Q	316m SW	Police Garage	1968	69960
Z	382m NW	Garage	1958	68505
Z	382m NW	Garage	1961	68505
Z	382m NW	Garage	1962	68626
Z	382m NW	Garage	1956	70240

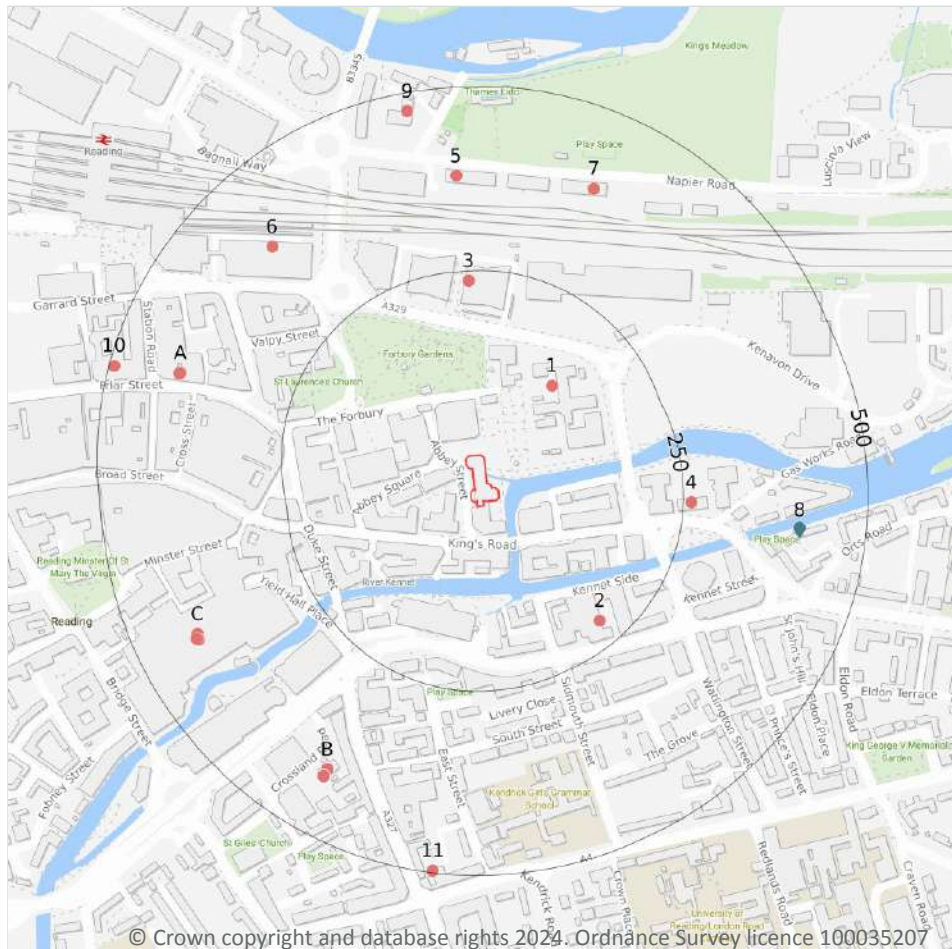


ID	Location	Land Use	Date	Group ID
Z	382m NW	Garage	1971	68626
Y	460m NW	Garage	1971	67430

This data is sourced from Ordnance Survey / Groundsure.



3 Waste and landfill



- Site Outline
- Search buffers in metres (m)
- Licensed waste sites
- Waste exemptions

3.1 Active or recent landfill

Records within 500m

0

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

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

3.2 Historical landfill (BGS records)

Records within 500m

0

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

This data is sourced from the British Geological Survey.



3.3 Historical landfill (LA/mapping records)

Records within 500m

0

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

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

3.4 Historical landfill (EA/NRW records)

Records within 500m

0

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

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

3.5 Historical waste sites

Records within 500m

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

1

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

Features are displayed on the Waste and landfill map on [page 50 >](#)

ID	Location	Details		
8	410m E	Site Name: Alton House Waste Recycling Centre Site Address: Omega Park, Alton, Hampshire, GU34 2QE Correspondence Address: Hopkins Recycling Limited, Unit 10, Bridge Farm, Curbridge, Botley, Southampton, Hampshire, SO30 2HB	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: HOP003 EPR reference: - Operator: Hopkins Recycling Ltd Waste Management licence No: 83406 Annual Tonnage: 4910	Issue Date: 15/10/2002 Effective Date: - Modified: 17/12/2004 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified

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

3.7 Waste exemptions

Records within 500m

30

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 50 >](#)

ID	Location	Site	Reference	Category	Sub-Category	Description
1	133m NE	Hmp And Yoi Prison Reading Forbury Road Reading Berkshire Rg1 3hy	EPR/WE5386N J/A001	Treating waste exemption	Non- agricultural waste only	Sorting and de-naturing of controlled drugs for disposal
2	216m SE	300 Longwater Avenue Reading Rg2 6ge	EPR/LF0439RE /A001	Treating waste exemption	Non- agricultural waste only	Crushing waste fluorescent tubes
3	236m N	Galliford Try Forbury Place Reading Rg1 3jh	EPR/NF0530N Y/A001	Using waste exemption	Non- agricultural waste only	Use of waste in construction
4	260m E	Prudential Pru-Kings 121 Kings Road Reading Rg1 3es	EPR/SF0708L W/A001	Treating waste exemption	Non- agricultural waste only	Crushing waste fluorescent tubes
5	379m N	Hawker House, 5-6 Napier Court, Napier Road, Reading, Rg1 8bw	WEX363317	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
6	389m NW	Apex Plaza Forbury Road Reading Berkshire Rg1 1ax	EPR/BF0606LA /A001	Storing waste exemption	Non- agricultural waste only	Storage of waste in a secure place
7	392m N	Unit 6, Napier Court, Napier Road, Reading, Rg1 8bw	WEX288978	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
A	404m W	15 Friar Street Reading Berkshire Rg1 1db	EPR/PE5889A A/A001	Treating waste exemption	Non- agricultural waste only	Sorting and de-naturing of controlled drugs for disposal
A	405m W	15, Friar Street, Reading, Rg1 1db	WEX223289	Disposing of waste exemption	Not on a farm	Disposal by incineration
A	405m W	15, Friar Street, Reading, Rg1 1db	WEX078089	Disposing of waste exemption	Not on a farm	Disposal by incineration



ID	Location	Site	Reference	Category	Sub-Category	Description
B	411m SW	Jlp Reading Mill Lane, Warehouse Mill Lane, White Arrow Mill Lane, Reading, Rg1 2ht	WEX255636	Storing waste exemption	Not on a farm	Storage of waste in a secure place
B	411m SW	Jlp Reading Mill Lane, Warehouse Mill Lane, White Arrow Mill Lane, Reading, Rg1 2ht	WEX255636	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
B	411m SW	Jlp Reading Mill Lane, Warehouse Mill Lane, White Arrow Mill Lane, Reading, Rg1 2ht	WEX255636	Storing waste exemption	Not on a farm	Storage of waste in secure containers
B	411m SW	Jlp Reading Mill Lane, Warehouse Mill Lane, White Arrow Mill Lane, Reading, Rg1 2ht	WEX255636	Treating waste exemption	Not on a farm	Sorting mixed waste
B	411m SW	Jlp Reading Mill Lane, Warehouse Mill Lane, White Arrow Mill Lane, Reading, Rg1 2ht	WEX255636	Treating waste exemption	Not on a farm	Manual treatment of waste
C	414m SW	-	WEX362616	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
C	414m SW	-	WEX362616	Storing waste exemption	Not on a farm	Storage of waste in a secure place
C	417m SW	-	WEX230105	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
C	417m SW	-	WEX230105	Storing waste exemption	Not on a farm	Storage of waste in a secure place
C	417m SW	Oracle Shopping Centre The Oracle Centre Reading Rg1 2ag	EPR/SE5949EQ /A001	Storing waste exemption	Non- agricultural waste only	Storage of waste in a secure place
C	417m SW	Oracle Shopping Centre The Oracle Centre Reading Rg1 2ag	EPR/SE5949EQ /A001	Treating waste exemption	Non- agricultural waste only	Screening and blending of waste
C	417m SW	Oracle Shopping Centre The Oracle Centre Reading Rg1 2ag	EPR/EF0606XT /A001	Treating waste exemption	Non- agricultural waste only	Crushing waste fluorescent tubes

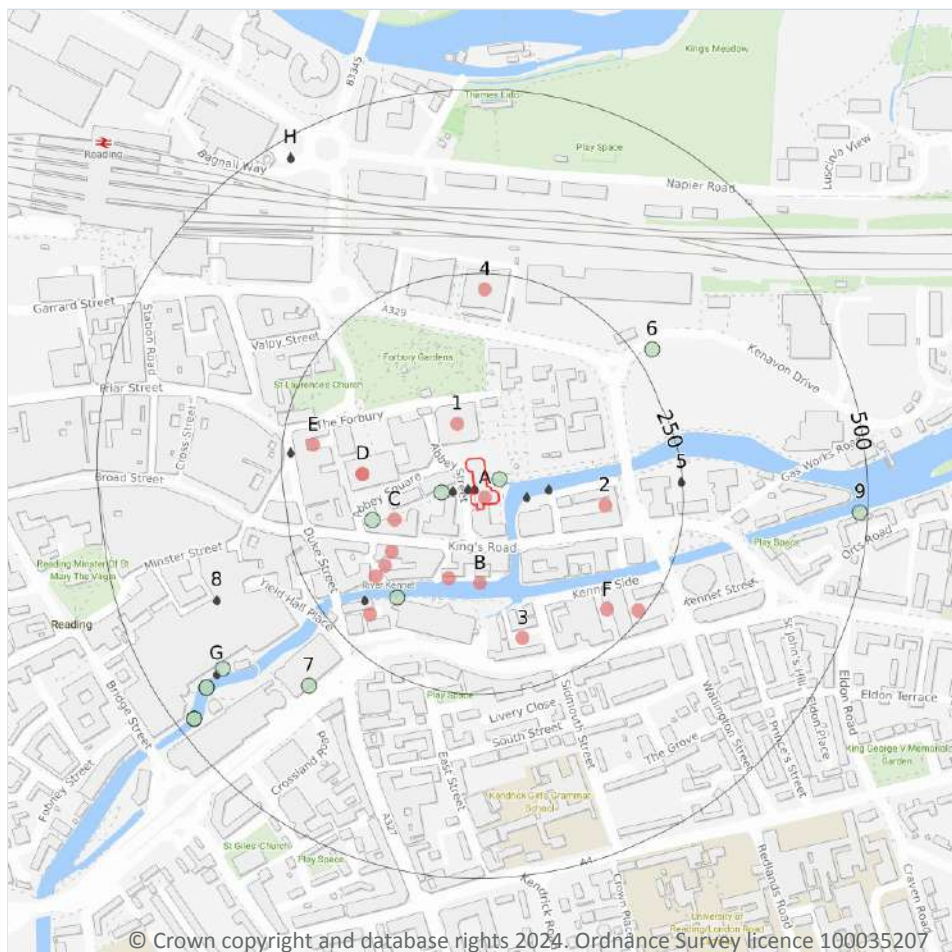


ID	Location	Site	Reference	Category	Sub-Category	Description
B	421m SW	John Lewis Carpet Warehouse, Mill Lane, White Arrow Mill Lane, Reading, Rg1 2ht	WEX113602	Storing waste exemption	Not on a farm	Storage of waste in secure containers
B	421m SW	John Lewis Carpet Warehouse, Mill Lane, White Arrow Mill Lane, Reading, Rg1 2ht	WEX113602	Storing waste exemption	Not on a farm	Storage of waste in a secure place
B	421m SW	John Lewis Carpet Warehouse, Mill Lane, White Arrow Mill Lane, Reading, Rg1 2ht	WEX113602	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
B	421m SW	John Lewis Carpet Warehouse, Mill Lane, White Arrow Mill Lane, Reading, Rg1 2ht	WEX113602	Treating waste exemption	Not on a farm	Sorting mixed waste
B	421m SW	John Lewis Carpet Warehouse, Mill Lane, White Arrow Mill Lane, Reading, Rg1 2ht	WEX113602	Treating waste exemption	Not on a farm	Manual treatment of waste
9	475m N	Kings Meadow House Kings Meadow Road Reading Rg1 8dq	EPR/JF0436AN /A001	Treating waste exemption	Non-agricultural waste only	Crushing waste fluorescent tubes
10	494m W	25b Friar Street Reading Rg1 1dp	EPR/WF0702X Y/A001	Treating waste exemption	Non-agricultural waste only	Crushing waste fluorescent tubes
11	498m S	Huntley House, 121, London Street, Reading, Rg1 4qa	WEX330290	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal

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



4 Current industrial land use



- Site Outline
- Search buffers in metres (m)
- Recent industrial land uses
- Licensed Discharges to controlled waters
- Pollution Incidents (EA/NRW)

4.1 Recent industrial land uses

Records within 250m

17

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on [page 55 >](#)

ID	Location	Company	Address	Activity	Category
A	On site	Orion	Abbey Gardens 4-6, Abbey Street, Reading, Berkshire, RG1 3BA	Medical Equipment, Supplies and Pharmaceuticals	Industrial Products
1	51m N	The Water Cooler Company	Abbots House, Abbey Street, Reading, Berkshire, RG1 3BD	Food and Beverage Industry Machinery	Industrial Products



ID	Location	Company	Address	Activity	Category
B	100m S	Landing Stage	Berkshire, RG1	Moorings and Unloading Facilities	Water
B	101m S	Oyster Wharf	Berkshire, RG1	Moorings and Unloading Facilities	Water
C	107m W	Electricity Sub Station	Berkshire, RG1	Electrical Features	Infrastructure and Facilities
C	127m SW	Kings Wharf	Berkshire, RG1	Moorings and Unloading Facilities	Water
D	141m W	J D Partnership	Davidson House Forbury Square, The Forbury, Reading, Berkshire, RG1 3EU	Civil Engineers	Engineering Services
D	141m W	T A H Trading Ltd	Davidson House, Forbury Square, The Forbury, Reading, Berkshire, RG1 3EU	Special Purpose Machinery and Equipment	Industrial Products
2	143m E	Wharf	Berkshire, RG1	Moorings and Unloading Facilities	Water
C	145m SW	Electricity Sub Station	Berkshire, RG1	Electrical Features	Infrastructure and Facilities
C	163m SW	Electricity Sub Station	Berkshire, RG1	Electrical Features	Infrastructure and Facilities
3	183m S	Electricity Sub Station	Berkshire, RG1	Electrical Features	Infrastructure and Facilities
C	202m SW	Electricity Sub Station	Berkshire, RG1	Electrical Features	Infrastructure and Facilities
E	208m W	Electricity Sub Station	Berkshire, RG1	Electrical Features	Infrastructure and Facilities
F	209m SE	Queen's Wharf	Berkshire, RG1	Moorings and Unloading Facilities	Water
4	229m N	Scottish & Southern Energy	1 Forbury Place, Forbury Road, Reading, Berkshire, RG1 3JH	Electrical Motors and Generators	Industrial Products
F	242m SE	Tank	Berkshire, RG1	Tanks (Generic)	Industrial Features

This data is sourced from Ordnance Survey.



4.2 Current or recent petrol stations

Records within 500m**0**

Open, closed, under development and obsolete petrol stations.

This data is sourced from Experian.

4.3 Electricity cables

Records within 500m**0**

High voltage underground electricity transmission cables.

This data is sourced from National Grid.

4.4 Gas pipelines

Records within 500m**0**

High pressure underground gas transmission pipelines.

This data is sourced from National Grid.

4.5 Sites determined as Contaminated Land

Records within 500m**0**

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

This data is sourced from Local Authority records.

4.6 Control of Major Accident Hazards (COMAH)

Records within 500m**0**

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

This data is sourced from the Health and Safety Executive.

4.7 Regulated explosive sites

Records within 500m**0**

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

This data is sourced from the Health and Safety Executive.

4.8 Hazardous substance storage/usage

Records within 500m**0**

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

This data is sourced from Local Authority records.

4.9 Historical licensed industrial activities (IPC)

Records within 500m**0**

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

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

4.10 Licensed industrial activities (Part A(1))

Records within 500m**0**

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

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

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

Records within 500m**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.



4.12 Radioactive Substance Authorisations

Records within 500m

0

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

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

4.13 Licensed Discharges to controlled waters

Records within 500m

18

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 55](#) >

ID	Location	Address	Details	
A	On site	THE ABBEY GARDENS DEVELOPMENT, PHASE II, READING BERKS	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: CTWC.0564 Permit Version: 1 Receiving Water: HOLY BROOK	Status: REVOKED - UNSPECIFIED Issue date: 20/01/1986 Effective Date: 20/01/1986 Revocation Date: 11/07/1997
A	On site	THE ABBEY GARDENS DEVELOPMENT, PHASE II, READING BERKS	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: CTWC.0563 Permit Version: 1 Receiving Water: HOLY BROOK	Status: REVOKED - UNSPECIFIED Issue date: 20/01/1986 Effective Date: 20/01/1986 Revocation Date: 05/09/1997
A	9m W	ABBAY GARDENS, PHASE 1, READING, BERKS	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: CTWC.0662 Permit Version: 1 Receiving Water: THE HOLY BROOK	Status: REVOKED - UNSPECIFIED Issue date: 11/02/1986 Effective Date: 11/02/1986 Revocation Date: 19/03/1991
A	25m W	DEWATERING WORKS SERVING KINGSHOUSE, KINGSHOUSE, 33 KINGS ROAD, READING, BERKSHIRE, RG13BU	Effluent Type: TRADE DISCHARGES - SITE DRAINAGE Permit Number: EPRDB3097AL Permit Version: 1 Receiving Water: HOLY BROOK	Status: SURRENDERED UNDER EPR 2010 Issue date: 07/10/2015 Effective Date: 07/10/2015 Revocation Date: 21/02/2017
A	37m E	ABBAY GARDEN DEVELOPMENT, PHASE III, READING, BERKS	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: CTWC.2738 Permit Version: 1 Receiving Water: RIVER KENNET	Status: REVOKED - UNSPECIFIED Issue date: 15/08/1988 Effective Date: 15/08/1988 Revocation Date: 25/02/1991



ID	Location	Address	Details	
A	68m E	BLAKESCOTTAGES,READING,BLAKESCOTTAGES,READING	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: CTWC.0514 Permit Version: 1 Receiving Water: RIVER KENNET	Status: REVOKED - UNSPECIFIED Issue date: 19/11/1985 Effective Date: 19/11/1985 Revocation Date: 25/04/1991
C	196m SW	PREMISES,KINGSRD,READING,BERKS,PREMISES,KINGSRD,READING,BER,KS	Effluent Type: TRADE DISCHARGES - COOLING WATER Permit Number: CTCP.0295 Permit Version: 1 Receiving Water: R KENNET	Status: REVOKED - UNSPECIFIED Issue date: 12/02/1964 Effective Date: 12/02/1964 Revocation Date: 04/02/1986
C	196m SW	PREMISES,KINGSRD,READING,BERKS,PREMISES,KINGSRD,READING,BER,KS	Effluent Type: TRADE DISCHARGES - COOLING WATER Permit Number: CTCP.0296 Permit Version: 1 Receiving Water: R KENNET	Status: REVOKED - UNSPECIFIED Issue date: 12/02/1964 Effective Date: 12/02/1964 Revocation Date: 04/02/1986
C	196m SW	PREMISES,KINGSRD,READING,BERKS,PREMISES,KINGSRD,READING,BER,KS	Effluent Type: TRADE DISCHARGES - COOLING WATER Permit Number: CTCP.0297 Permit Version: 1 Receiving Water: R KENNET	Status: REVOKED - UNSPECIFIED Issue date: 12/02/1964 Effective Date: 12/02/1964 Revocation Date: 04/02/1986
C	196m SW	PREMISES,KINGSRD,READING,BERKS,PREMISES,KINGSRD,READING,BER,KS	Effluent Type: TRADE DISCHARGES - COOLING WATER Permit Number: CTCP.0298 Permit Version: 1 Receiving Water: R KENNET	Status: REVOKED - UNSPECIFIED Issue date: 12/02/1964 Effective Date: 12/02/1964 Revocation Date: 04/02/1986
C	196m SW	PREMISES,KINGSRD,READING,BERKS,PREMISES,KINGSRD,READING,BER,KS	Effluent Type: TRADE DISCHARGES - COOLING WATER Permit Number: CTCP.0299 Permit Version: 1 Receiving Water: R KENNET	Status: REVOKED - UNSPECIFIED Issue date: 12/02/1964 Effective Date: 12/02/1964 Revocation Date: 04/02/1986
C	196m SW	FACTORYATREADING,BERKS,FACTORYATREADING,BERKS	Effluent Type: TRADE DISCHARGES - COOLING WATER Permit Number: CTCR.0508 Permit Version: 1 Receiving Water: KENNET	Status: REVOKED - UNSPECIFIED Issue date: 22/03/1962 Effective Date: 22/03/1962 Revocation Date: 03/04/1987
E	239m W	FACTORYPREMISES,KINGSROAD,READI,FACTORYPREMISES,KINGSROAD,RE,ADING,BERKS	Effluent Type: TRADE DISCHARGES - COOLING WATER Permit Number: CTCP.0294 Permit Version: 1 Receiving Water: R KENNET	Status: REVOKED - UNSPECIFIED Issue date: 12/02/1964 Effective Date: 12/02/1964 Revocation Date: 04/02/1986
5	248m E	NABISCOBRANDSLTDKINGSROADR EAD,NABISCOBRANDSLTDKINGSROADR,EADING	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: CTWC.0435 Permit Version: 1 Receiving Water: RIVER KENNET	Status: REVOKED - UNSPECIFIED Issue date: 18/10/1985 Effective Date: 18/10/1985 Revocation Date: 08/05/1991



ID	Location	Address	Details	
8	370m SW	1723KINGSTREET,READING,BERKS HI,1723KINGSTREET,READING,BER K,SHIRE	Effluent Type: MISCELLANEOUS DISCHARGES - UNSPECIFIED Permit Number: CTWC.3315 Permit Version: 1 Receiving Water: HOLY BROOK	Status: REVOKED - UNSPECIFIED Issue date: 12/06/1989 Effective Date: 12/06/1989 Revocation Date: 27/06/1991
G	416m SW	THEBREWERY,READING,BERKS,TH EBREWERY,READING,BERKS	Effluent Type: TRADE DISCHARGES - COOLING WATER Permit Number: CTCR.0211 Permit Version: 1 Receiving Water: KENNET	Status: REVOKED - UNSPECIFIED Issue date: 19/12/1955 Effective Date: 19/12/1955 Revocation Date: 12/06/1990
H	475m NW	METROPOLITANWATERBOARD(N OWTHAM,METROPOLITANWATER BOARD(NOWT,HAMESWATERCEN TRAL	Effluent Type: TRADE DISCHARGES - PROCESS EFFLUENT - WATER COMPANY (WTW) Permit Number: CTCP.0445 Permit Version: 1 Receiving Water: THAMES	Status: REVOKED (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 16/11/1964 Effective Date: 16/11/1964 Revocation Date: 15/12/1998
H	475m NW	METROPOLITANWATERBOARD(N OWTHAM,METROPOLITANWATER BOARD(NOWT,HAMESWATERCEN TRAL	Effluent Type: TRADE DISCHARGES - PROCESS EFFLUENT - WATER COMPANY (WTW) Permit Number: CTCP.0446 Permit Version: 1 Receiving Water: THAMES	Status: REVOKED (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 16/11/1964 Effective Date: 16/11/1964 Revocation Date: 15/12/1998

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

4.14 Pollutant release to surface waters (Red List)

Records within 500m

0

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

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

4.15 Pollutant release to public sewer

Records within 500m

0

Discharges of Special Category Effluents to the public sewer.

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



4.16 List 1 Dangerous Substances

Records within 500m

0

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

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

4.17 List 2 Dangerous Substances

Records within 500m

0

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

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

4.18 Pollution Incidents (EA/NRW)

Records within 500m

13

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 55 >](#)

ID	Location	Details	
A	16m E	Incident Date: 21/05/2003 Incident Identification: 159849 Pollutant: Pollutant Not Identified Pollutant Description: Not Identified	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
A	40m W	Incident Date: 15/07/2002 Incident Identification: 91618 Pollutant: Specific Waste Materials Pollutant Description: Other Specific Waste Material	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
C	136m W	Incident Date: 28/06/2005 Incident Identification: 324802 Pollutant: Oils and Fuel Pollutant Description: Diesel	Water Impact: Category 2 (Significant) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
C	161m SW	Incident Date: 18/06/2003 Incident Identification: 166999 Pollutant: Sewage Materials Pollutant Description: Crude Sewage	Water Impact: Category 3 (Minor) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)



ID	Location	Details	
6	273m NE	Incident Date: 01/11/2002 Incident Identification: 118072 Pollutant: Oils and Fuel Pollutant Description: Gas and Fuel Oils	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
7	330m SW	Incident Date: 11/10/2003 Incident Identification: 195650 Pollutant: Sewage Materials Pollutant Description: Crude Sewage	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
G	405m SW	Incident Date: 19/08/2001 Incident Identification: 25215 Pollutant: Organic Chemicals/Products Pollutant Description: Hydrocarbons	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
G	437m SW	Incident Date: 04/10/2001 Incident Identification: 34522 Pollutant: Oils and Fuel Pollutant Description: Diesel	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
G	437m SW	Incident Date: 04/10/2001 Incident Identification: 34522 Pollutant: Oils and Fuel Pollutant Description: Diesel	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
G	476m SW	Incident Date: 17/08/2001 Incident Identification: 24937 Pollutant: Pollutant Not Identified Pollutant Description: Not Identified	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
G	476m SW	Incident Date: 17/08/2001 Incident Identification: 24937 Pollutant: Organic Chemicals/Products:Pollutant Not Identified Pollutant Description: Solvents:Not Identified	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
G	476m SW	Incident Date: 17/08/2001 Incident Identification: 24937 Pollutant: Organic Chemicals/Products Pollutant Description: Solvents	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
9	489m E	Incident Date: 27/06/2003 Incident Identification: 169420 Pollutant: Sewage Materials Pollutant Description: Crude Sewage	Water Impact: Category 3 (Minor) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)

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



4.19 Pollution inventory substances

Records within 500m**0**

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

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

4.20 Pollution inventory waste transfers

Records within 500m**0**

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

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

4.21 Pollution inventory radioactive waste

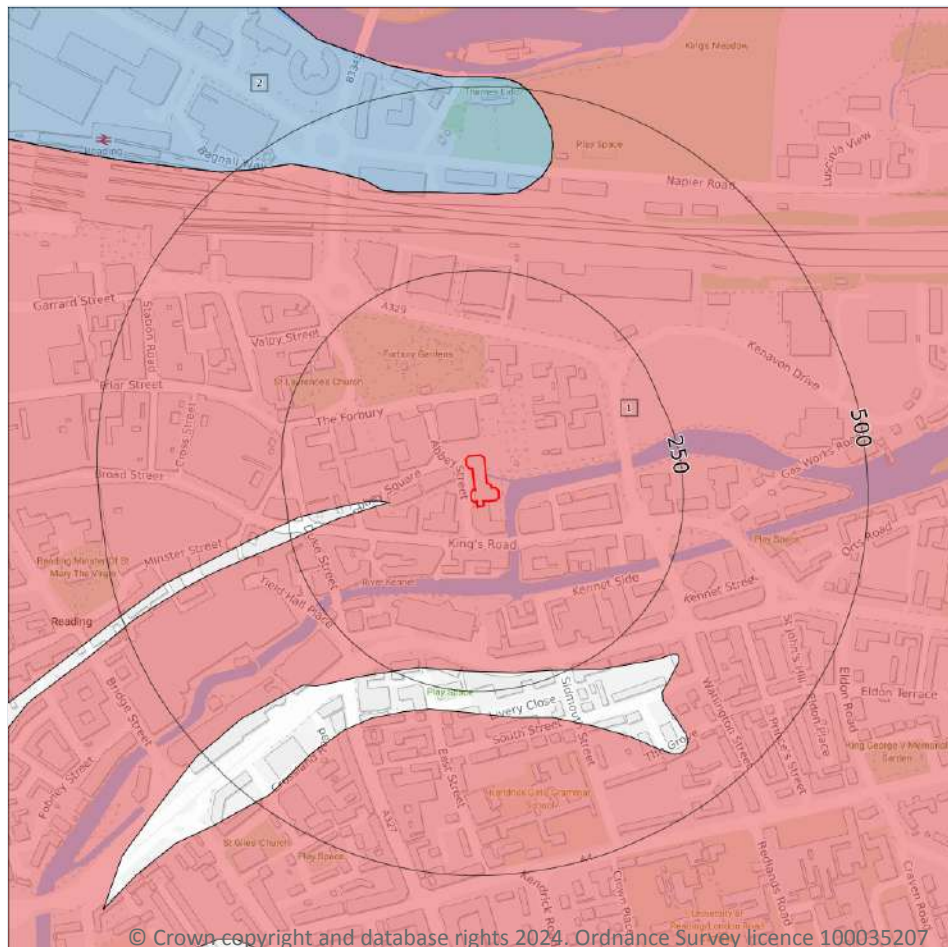
Records within 500m**0**

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

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



5 Hydrogeology - Superficial aquifer



- Site Outline
- Search buffers in metres (m)
- Principal
 - Secondary A
 - Secondary B
 - Secondary Undifferentiated
 - Unproductive
 - Unknown

5.1 Superficial aquifer

Records within 500m

2

Aquifer status of groundwater held within superficial geology.

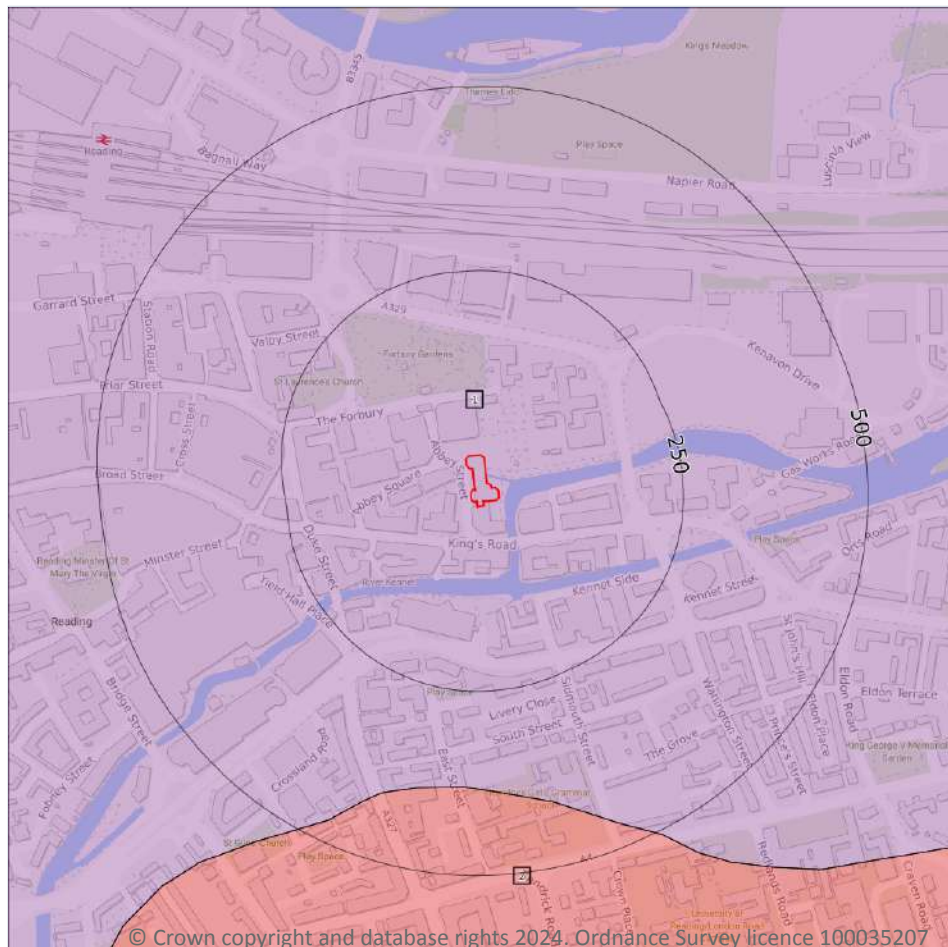
Features are displayed on the Hydrogeology map on [page 65](#) >

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	354m N	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow

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



Bedrock aquifer



- Site Outline
- Search buffers in metres (m)
- Principal
 - Secondary A
 - Secondary B
 - Secondary Undifferentiated
 - Unproductive

5.2 Bedrock aquifer

Records within 500m

2

Aquifer status of groundwater held within bedrock geology.

Features are displayed on the Bedrock aquifer map on [page 66](#) >

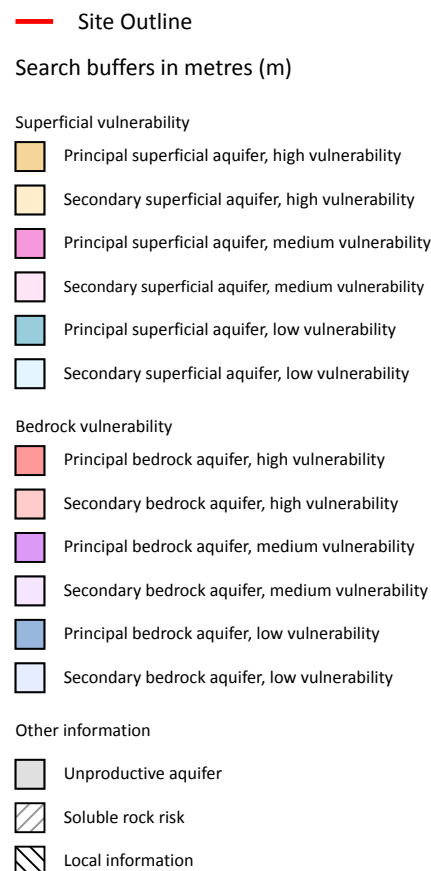
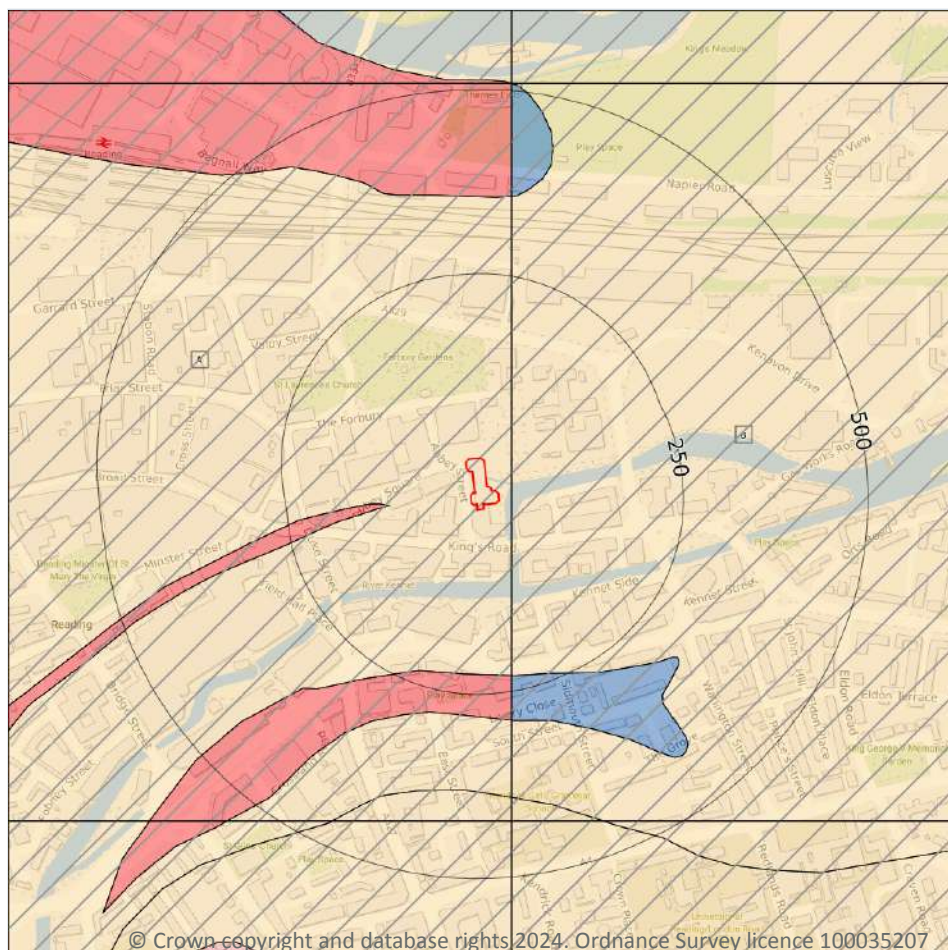
ID	Location	Designation	Description
1	On site	Principal	Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers
2	380m S	Secondary 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



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



Groundwater vulnerability



5.3 Groundwater vulnerability

Records within 50m

2

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

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

Features are displayed on the Groundwater vulnerability map on [page 68](#) >



ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
A	On site	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Intermediate Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: High Aquifer type: Secondary Thickness: 3-10m Patchiness value: <90% Recharge potential: Medium	Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures
B	17m SE	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Intermediate Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: High Aquifer type: Secondary Thickness: 3-10m Patchiness value: >90% Recharge potential: Medium	Vulnerability: Low Aquifer type: Principal 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	1
------------------------	----------

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

ID	Maximum soluble risk category	Percentage of grid square covered by maximum risk
A	Very significant soluble rocks are likely to be present with a high possibility of localised subsidence or dissolution-related degradation of bedrock occurring naturally, especially in adverse conditions such as concentrated surface or subsurface water flow.	20.0%

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

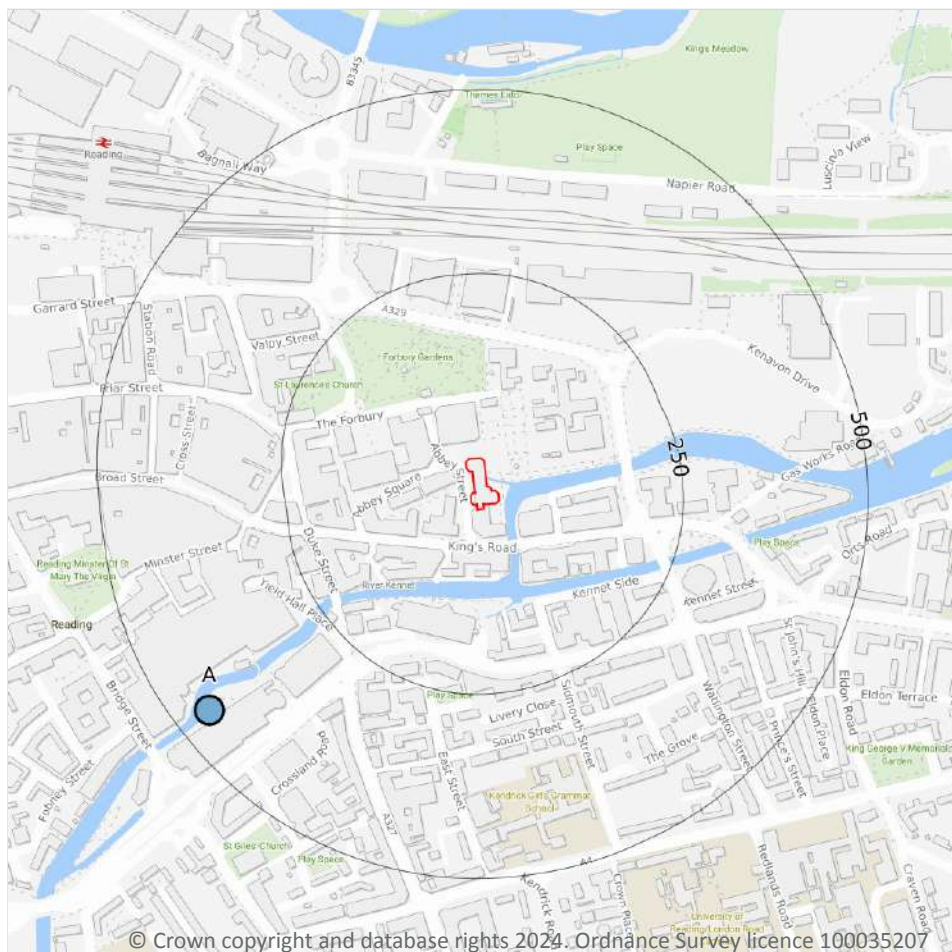
5.5 Groundwater vulnerability- local information

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

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

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

Abstractions and Source Protection Zones



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

5.6 Groundwater abstractions

Records within 2000m

13

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

Features are displayed on the Abstractions and Source Protection Zones map on [page 70](#) >



ID	Location	Details	
-	735m E	Status: Historical Licence No: 28/39/22/0600 Details: Pollution Remediation Direct Source: THAMES GROUNDWATER Point: FORMER GASWORKS, KENAVON DRIVE, READING (5 BOREHOLES) Data Type: Point Name: M J GLEESON GROUP PLC Easting: 472700 Northing: 173600	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 31/07/2000 Expiry Date: 31/08/2001 Issue No: 1 Version Start Date: 31/07/2000 Version End Date: -
-	738m W	Status: Active Licence No: 28/39/23/0042 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: THAMES GROUNDWATER Point: CHEAPSIDE, READING, BERKSHIRE Data Type: Point Name: PRIMARK STORES LIMITED Easting: 471200 Northing: 173500	Annual Volume (m ³): 14933 Max Daily Volume (m ³): 40.91 Original Application No: - Original Start Date: 11/07/1966 Expiry Date: - Issue No: 101 Version Start Date: 01/04/2008 Version End Date: -
-	759m SE	Status: Active Licence No: 28/39/22/0521 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: THAMES GROUNDWATER Point: ROYAL BERKSHIRE HOSPITAL Data Type: Point Name: ROYAL BERKSHIRE HOSPITAL Easting: 472400 Northing: 172800	Annual Volume (m ³): 127750 Max Daily Volume (m ³): 350 Original Application No: WRA/5950 Original Start Date: 17/01/1992 Expiry Date: - Issue No: 100 Version Start Date: 17/01/1992 Version End Date: -
-	910m N	Status: Active Licence No: 28/39/23/0020 Details: Laundry Use Direct Source: THAMES GROUNDWATER Point: 72 GEORGE STREET, CAVERSHAM, - BOREHOLE 'A' Data Type: Point Name: Elis UK Ltd Easting: 471900 Northing: 174400	Annual Volume (m ³): 68190 Max Daily Volume (m ³): 300.04 Original Application No: NPS WR/035059 Original Start Date: 09/05/1966 Expiry Date: - Issue No: 103 Version Start Date: 08/02/2021 Version End Date: -



ID	Location	Details	
-	1206m NW	Status: Active Licence No: 28/39/23/0167 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: THAMES GROUNDWATER Point: MEADOW ROAD, READING, BERKSHIRE Data Type: Point Name: MANROSE MANUFACTURING LTD Easting: 470900 Northing: 174100	Annual Volume (m ³): 90920 Max Daily Volume (m ³): 727.4 Original Application No: - Original Start Date: 23/01/1990 Expiry Date: - Issue No: 101 Version Start Date: 30/06/2006 Version End Date: -
-	1206m NW	Status: Active Licence No: 28/39/23/0167 Details: Non-Evaporative Cooling Direct Source: THAMES GROUNDWATER Point: MEADOW ROAD, READING, BERKSHIRE Data Type: Point Name: MANROSE MANUFACTURING LTD Easting: 470900 Northing: 174100	Annual Volume (m ³): 90920 Max Daily Volume (m ³): 727.4 Original Application No: - Original Start Date: 23/01/1990 Expiry Date: - Issue No: 101 Version Start Date: 30/06/2006 Version End Date: -
-	1206m NW	Status: Historical Licence No: 28/39/23/0041 Details: Non-Evaporative Cooling Direct Source: THAMES GROUNDWATER Point: CARDIFF ROAD, READING, BERKSHIRE Data Type: Point Name: COX & WYMAN LTD Easting: 470900 Northing: 174100	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 11/07/1966 Expiry Date: - Issue No: 100 Version Start Date: 11/07/1966 Version End Date: -
-	1206m NW	Status: Historical Licence No: 28/39/23/0041 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: THAMES GROUNDWATER Point: CARDIFF ROAD, READING, BERKSHIRE Data Type: Point Name: COX & WYMAN LTD Easting: 470900 Northing: 174100	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 11/07/1966 Expiry Date: - Issue No: 100 Version Start Date: 11/07/1966 Version End Date: -
-	1433m W	Status: Active Licence No: 28/39/23/0128 Details: Process Water Direct Source: THAMES GROUNDWATER Point: CARDIFF ROAD, READING POINT B Data Type: Point Name: HILLIER GROUP OF COMPANIES Easting: 470600 Northing: 174000	Annual Volume (m ³): 6682 Max Daily Volume (m ³): 27.28 Original Application No: WR.A/4547 Original Start Date: 22/01/1975 Expiry Date: - Issue No: 100 Version Start Date: 01/04/2008 Version End Date: -



ID	Location	Details	
-	1554m NW	Status: Historical Licence No: TH/039/0023/037 Details: Dewatering Direct Source: THAMES GROUNDWATER Point: RIVERMEAD LEISURE COMPLEX, READING Data Type: Poly4 Name: Pelikaan (Construction) Limited Easting: 470727 Northing: 174509	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: NPS/WR/035651 Original Start Date: 22/05/2023 Expiry Date: 22/05/2024 Issue No: 1 Version Start Date: 22/05/2023 Version End Date: -
-	1585m E	Status: Historical Licence No: 28/39/23/0016 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: THAMES GROUNDWATER Point: READING UNIVERSITY RESEARCH SITE, READING, - WELL 'A' Data Type: Point Name: UNIVERSITY OF READING Easting: 473500 Northing: 173900	Annual Volume (m ³): 1136 Max Daily Volume (m ³): 22.73 Original Application No: - Original Start Date: 14/03/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/04/2008 Version End Date: -
-	1654m E	Status: Historical Licence No: 28/39/23/0191 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: THAMES GROUNDWATER Point: BOREHOLE AT WATERSIDE CENTRE, THAMES VALLEY PARK ROAD Data Type: Point Name: WOKINGHAM WATERSIDE CENTRE LTD Easting: 473560 Northing: 173940	Annual Volume (m ³): 2600 Max Daily Volume (m ³): 25 Original Application No: - Original Start Date: 21/12/2000 Expiry Date: - Issue No: 3 Version Start Date: 01/04/2008 Version End Date: -
-	1656m W	Status: Active Licence No: 28/39/23/0128 Details: Process Water Direct Source: THAMES GROUNDWATER Point: CARDIFF ROAD, READING POINT A Data Type: Point Name: HILLIER GROUP OF COMPANIES Easting: 470400 Northing: 174100	Annual Volume (m ³): 6682 Max Daily Volume (m ³): 27.28 Original Application No: WR.A/4547 Original Start Date: 22/01/1975 Expiry Date: - Issue No: 100 Version Start Date: 01/04/2008 Version End Date: -

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



5.7 Surface water abstractions

Records within 2000m

6

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 70 >](#)

ID	Location	Details	
A	453m SW	Status: Historical Licence No: 28/39/22/0594 Details: Lake & Pond Throughflow Direct Source: THAMES SURFACE WATER - NON TIDAL Point: THE ORACLE CENTRE, READING Data Type: Point Name: ORACLE SHOPPING CENTRE LTD Easting: 471590 Northing: 173150	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 16/02/2000 Expiry Date: - Issue No: 1 Version Start Date: 16/02/2000 Version End Date: -
A	453m SW	Status: Historical Licence No: 28/39/22/0594 Details: Lake & Pond Throughflow Direct Source: THAMES SURFACE WATER - NON TIDAL Point: ST.GILES STREAM AT THE ORACLE CENTRE, READING Data Type: Point Name: ORACLE SHOPPING CENTRE LTD Easting: 471590 Northing: 173150	Annual Volume (m ³): 737856 Max Daily Volume (m ³): 2016 Original Application No: NPS/WR/033582 Original Start Date: 16/02/2000 Expiry Date: - Issue No: 2 Version Start Date: 09/03/2020 Version End Date: -
-	702m N	Status: Historical Licence No: TH/039/0023/022 Details: Transfer Between Sources (Post Water Act 2003) Direct Source: THAMES SURFACE WATER - NON TIDAL Point: RIVER THAMES AT CAVERSHAM WEIR Data Type: Point Name: Reading Hydro CBS Limited Easting: 472072 Northing: 174185	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: NPS/WR/036037 Original Start Date: 19/02/2016 Expiry Date: 31/03/2028 Issue No: 4 Version Start Date: 16/09/2021 Version End Date: -
-	1082m NW	Status: Historical Licence No: 28/39/23/0196 Details: Transfer between sources Direct Source: THAMES SURFACE WATER - NON TIDAL Point: THAMES AT CHRISTCHURCH MEADOW Data Type: Point Name: READING BOROUGH COUNCIL Easting: 471440 Northing: 174450	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 12/05/2003 Expiry Date: 31/03/2016 Issue No: 1 Version Start Date: 12/05/2003 Version End Date: -



ID	Location	Details	
-	1082m NW	Status: Historical Licence No: 28/39/23/0196 Details: Lake & Pond Throughflow Direct Source: THAMES SURFACE WATER - NON TIDAL Point: THAMES AT CHRISTCHURCH MEADOW Data Type: Point Name: READING BOROUGH COUNCIL Easting: 471440 Northing: 174450	Annual Volume (m ³): 31536 Max Daily Volume (m ³): 86.4 Original Application No: - Original Start Date: 12/05/2003 Expiry Date: 31/03/2016 Issue No: 1 Version Start Date: 01/04/2006 Version End Date: -
-	1082m NW	Status: Historical Licence No: 28/39/23/0199/TR Details: Transfer Between Sources (Post Water Act 2003) Direct Source: THAMES SURFACE WATER - NON TIDAL Point: RIVER THAMES - CHRISTCHURCH MEADOWS Data Type: Point Name: READING BOROUGH COUNCIL Easting: 471440 Northing: 174450	Annual Volume (m ³): 1752000 Max Daily Volume (m ³): 4800 Original Application No: - Original Start Date: 10/09/2008 Expiry Date: 31/03/2016 Issue No: 1 Version Start Date: 10/09/2008 Version End Date: -

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

5.8 Potable abstractions

Records within 2000m

5

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.

Features are displayed on the Abstractions and Source Protection Zones map on [page 70 >](#)

ID	Location	Details	
-	738m W	Status: Active Licence No: 28/39/23/0042 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: THAMES GROUNDWATER Point: CHEAPSIDE, READING, BERKSHIRE Data Type: Point Name: PRIMARK STORES LIMITED Easting: 471200 Northing: 173500	Annual Volume (m ³): 14933 Max Daily Volume (m ³): 40.91 Original Application No: - Original Start Date: 11/07/1966 Expiry Date: - Issue No: 101 Version Start Date: 01/04/2008 Version End Date: -



ID	Location	Details	
-	759m SE	Status: Active Licence No: 28/39/22/0521 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: THAMES GROUNDWATER Point: ROYAL BERKSHIRE HOSPITAL Data Type: Point Name: ROYAL BERKSHIRE HOSPITAL Easting: 472400 Northing: 172800	Annual Volume (m ³): 127750 Max Daily Volume (m ³): 350 Original Application No: WRA/5950 Original Start Date: 17/01/1992 Expiry Date: - Issue No: 100 Version Start Date: 17/01/1992 Version End Date: -
-	1206m NW	Status: Active Licence No: 28/39/23/0167 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: THAMES GROUNDWATER Point: MEADOW ROAD, READING, BERKSHIRE Data Type: Point Name: MANROSE MANUFACTURING LTD Easting: 470900 Northing: 174100	Annual Volume (m ³): 90920 Max Daily Volume (m ³): 727.4 Original Application No: - Original Start Date: 23/01/1990 Expiry Date: - Issue No: 101 Version Start Date: 30/06/2006 Version End Date: -
-	1206m NW	Status: Historical Licence No: 28/39/23/0041 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: THAMES GROUNDWATER Point: CARDIFF ROAD, READING, BERKSHIRE Data Type: Point Name: COX & WYMAN LTD Easting: 470900 Northing: 174100	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 11/07/1966 Expiry Date: - Issue No: 100 Version Start Date: 11/07/1966 Version End Date: -
-	1654m E	Status: Historical Licence No: 28/39/23/0191 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: THAMES GROUNDWATER Point: BOREHOLE AT WATERSIDE CENTRE, THAMES VALLEY PARK ROAD Data Type: Point Name: WOKINGHAM WATERSIDE CENTRE LTD Easting: 473560 Northing: 173940	Annual Volume (m ³): 2600 Max Daily Volume (m ³): 25 Original Application No: - Original Start Date: 21/12/2000 Expiry Date: - Issue No: 3 Version Start Date: 01/04/2008 Version End Date: -

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



5.9 Source Protection Zones

Records within 500m**0**

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

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

5.10 Source Protection Zones (confined aquifer)

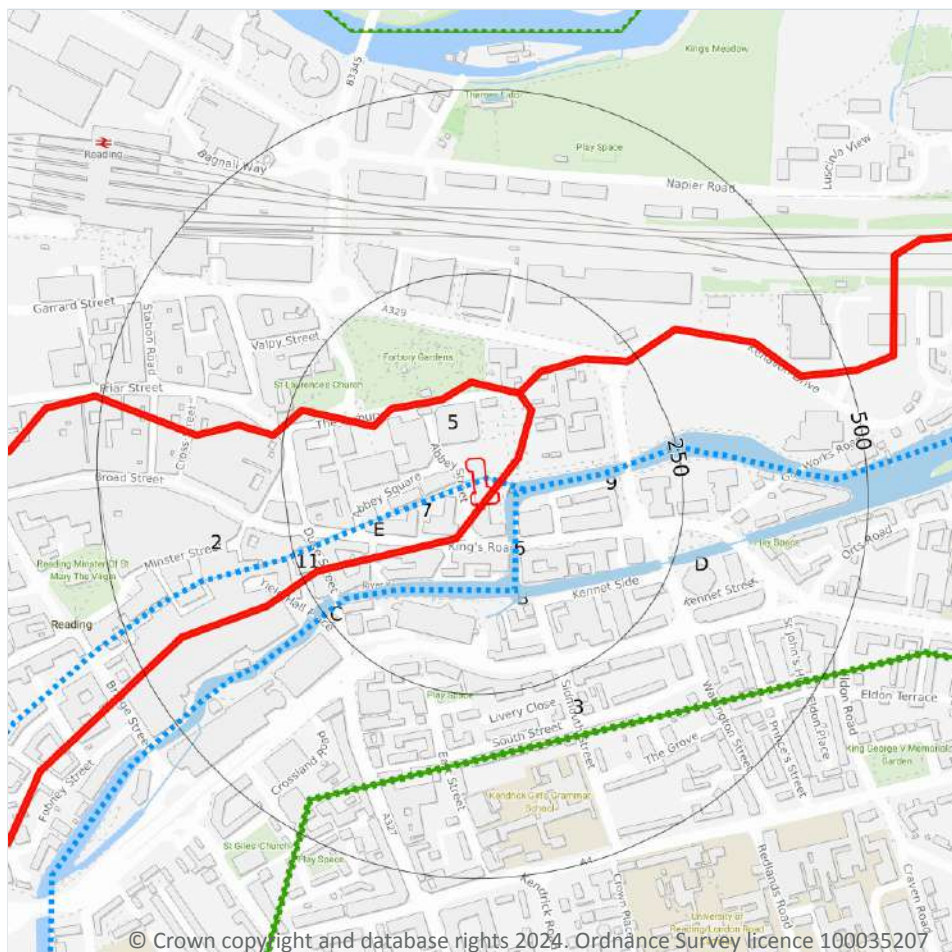
Records within 500m**0**

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

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



6 Hydrology



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

6.1 Water Network (OS MasterMap)

Records within 250m

15

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 78 >](#)

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



ID	Location	Type of water feature	Ground level	Permanence	Name
A	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Holy Brook
A	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	Holy Brook
A	4m NW	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	Holy Brook
6	19m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Kennet
7	20m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Holy Brook
9	28m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Kennet
C	109m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Kennet
B	114m S	Canal. A manmade watercourse for inland navigation.	On ground surface	Watercourse contains water year round (in normal circumstances)	Kennet and Avon Canal
B	121m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Gunter's Brook
D	121m S	Canal. A manmade watercourse for inland navigation.	On ground surface	Watercourse contains water year round (in normal circumstances)	Kennet and Avon Canal
E	128m W	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	Holy Brook
E	149m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Holy Brook
E	151m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Holy Brook



ID	Location	Type of water feature	Ground level	Permanence	Name
11	237m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Holy Brook

This data is sourced from the Ordnance Survey.

6.2 Surface water features

Records within 250m	5
----------------------------	----------

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 78 >](#)

This data is sourced from the Ordnance Survey.

6.3 WFD Surface water body catchments

Records on site	2
------------------------	----------

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

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

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
2	On site	River	Holy Brook	GB106039023141	Kennet	Kennet and Trib
3	On site	River	Lower Kennet (Sheffield Bottom to Reading)	GB106039023140	Kennet	Kennet and Trib

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

6.4 WFD Surface water bodies

Records identified	2
---------------------------	----------

Surface water bodies under the Directive may be rivers, lakes, estuary or coastal. To achieve the purpose of the Directive, environmental objectives have been set and are reported on for each water body. The progress towards delivery of the objectives is then reported on by the relevant competent authorities at the end of each six-year cycle. The river water body directly associated with the catchment listed in the previous section is



detailed below, along with any lake, canal, coastal or artificial water body within 250m of the site. Click on the water body ID in the table to visit the EA Catchment Explorer to find out more about each water body listed.

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

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
4	On site	River	Holy Brook	GB106039023141 ↗	Moderate	Fail	Moderate	2019
8	23m SE	River	Lower Kennet (Sheffield Bottom to Reading)	GB106039023140 ↗	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.

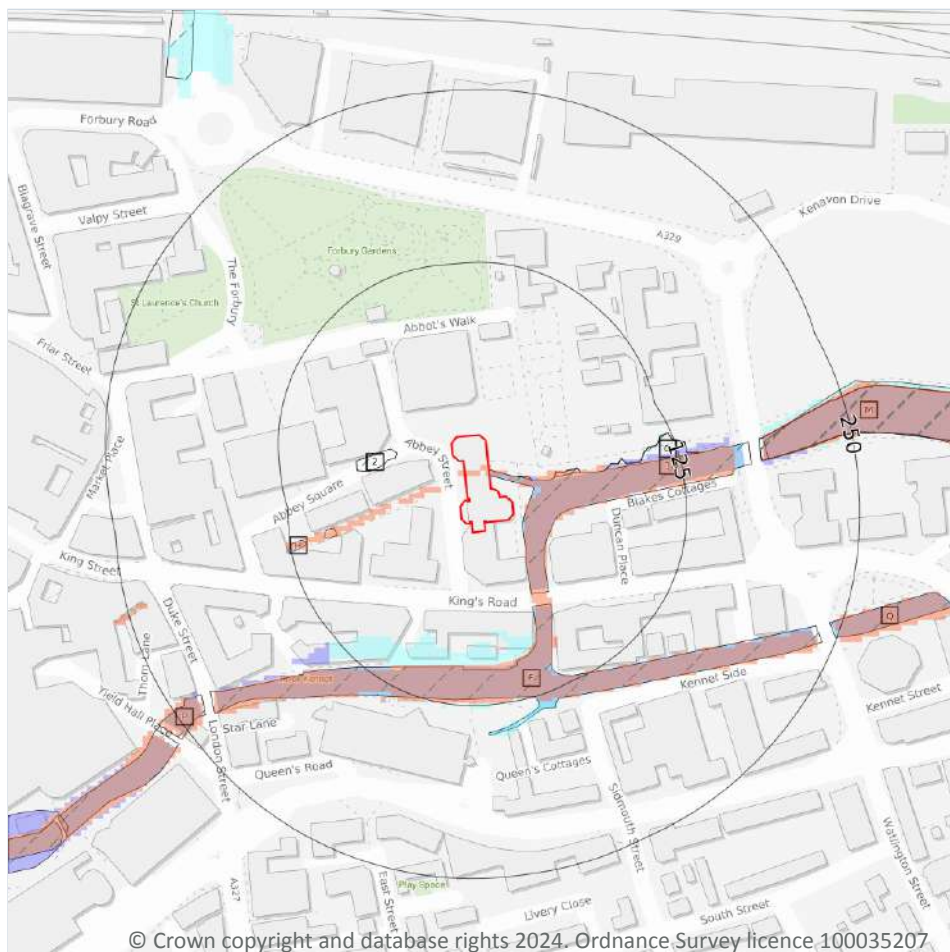
Features are displayed on the Hydrology map on [page 78 >](#)

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
5	On site	Berkshire Downs Chalk	GB40601G600900 ↗	Poor	Poor	Poor	2019

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



7 River and coastal flooding



— Site Outline
Search buffers in metres (m)

River and coastal flooding:

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

7.1 Risk of flooding from rivers and the sea

Records within 50m

10

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

Features are displayed on the River and coastal flooding map on [page 82](#) >



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

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

7.2 Historical Flood Events

Records within 250m	13
----------------------------	-----------

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.

Features are displayed on the River and coastal flooding map on [page 82 >](#)

ID	Location	Event name	Date of flood	Flood source	Flood cause	Type of flood
1	On site	Winter 2013/2014	2013-11-23 2014-02-28	Other	Other	No data
A	17m E	Winter 2013/2014	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
A	35m E	Winter 2013/2014	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
2	40m W	Winter 2013/2014	2013-11-23 2014-02-28	Other	Other	No data
F	65m SE	Winter 2013/2014	2013-11-23 2014-02-28	Other	Other	No data
G	70m E	Winter 2013/2014	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
E	91m W	Winter 2013/2014	2013-11-23 2014-02-28	Other	Other	No data
H	113m W	Winter 2013/2014	2013-11-23 2014-02-28	Other	Other	No data
M	182m E	Winter 2013/2014	2013-11-23 2014-02-28	Main river	Channel capacity exceeded (no raised defences)	Fluvial
M	182m E	Winter 2013/2014	2013-11-23 2014-02-28	Other	Other	No data



ID	Location	Event name	Date of flood	Flood source	Flood cause	Type of flood
M	187m E	06decemberwinter 2000	2000-01-01 2000-12-12	Main river	Channel capacity exceeded (no raised defences)	Fluvial
P	227m SW	Winter 2013/2014	2013-11-23 2014-02-28	Other	Other	No data
Q	241m E	Winter 2013/2014	2013-11-23 2014-02-28	Other	Other	No data

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

7.3 Flood Defences

Records within 250m

0

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

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

7.4 Areas Benefiting from Flood Defences

Records within 250m

0

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

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

7.5 Flood Storage Areas

Records within 250m

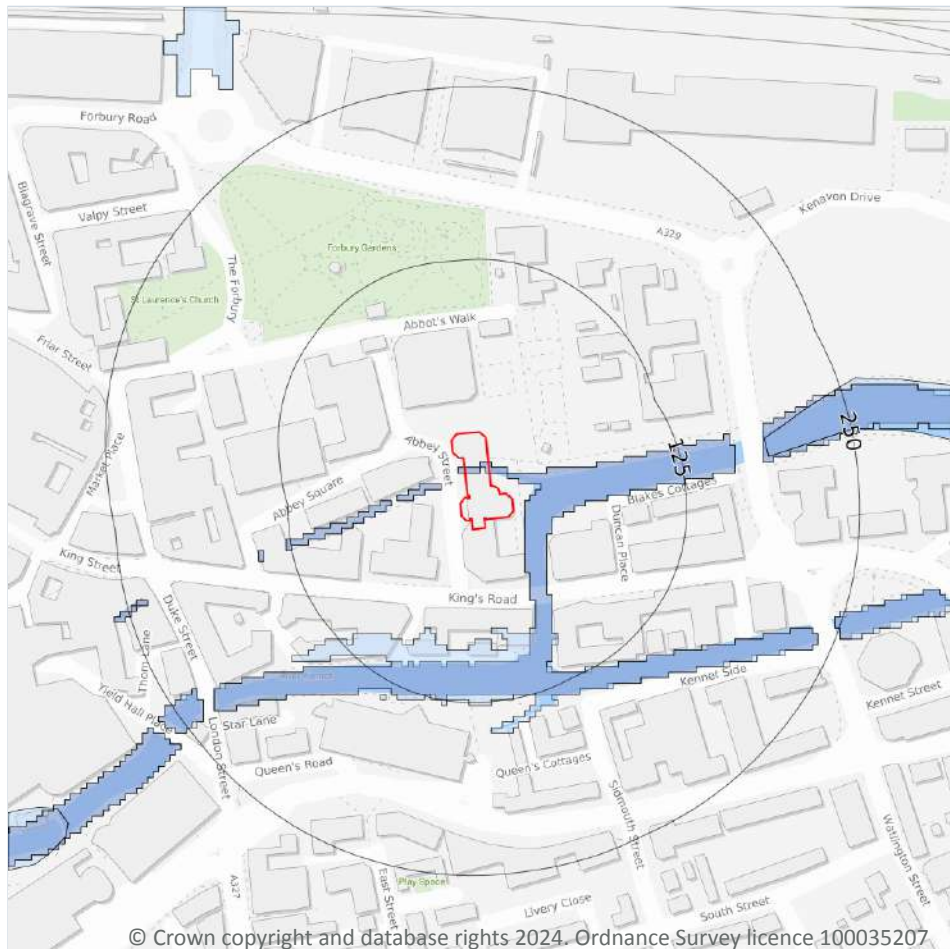
0

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

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



River and coastal flooding - Flood Zones



- Site Outline
- Search buffers in metres (m)
- Flood zone 2
- Flood zone 3

7.6 Flood Zone 2

Records within 50m

1

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

Features are displayed on the River and coastal flooding map on [page 82 >](#)

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

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



7.7 Flood Zone 3

Records within 50m

1

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

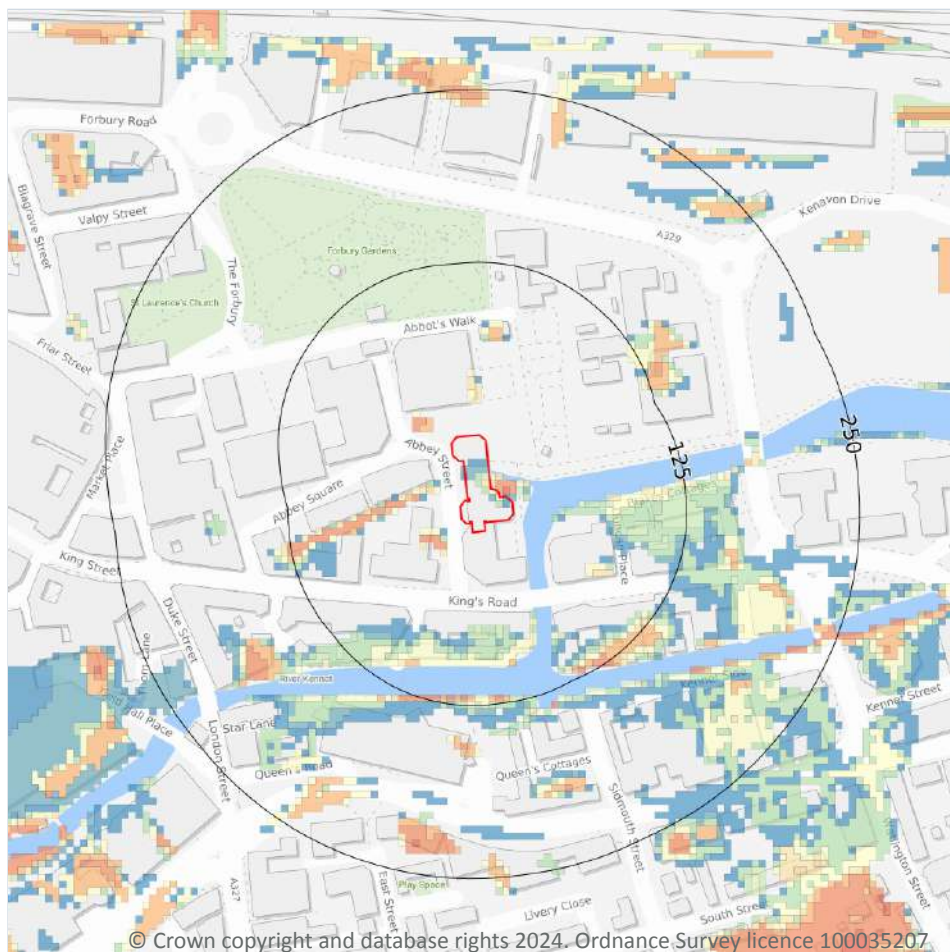
Features are displayed on the River and coastal flooding map on [page 82](#) >

Location	Type
On site	Zone 3 - (Fluvial Models)

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



8 Surface water flooding



— Site Outline

Search buffers in metres (m)

1 in 1000 return period

- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

1 in 250 return period

- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

1 in 100 return period

- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

1 in 30 return period

- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

8.1 Surface water flooding

Highest risk on site

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 87](#) >

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



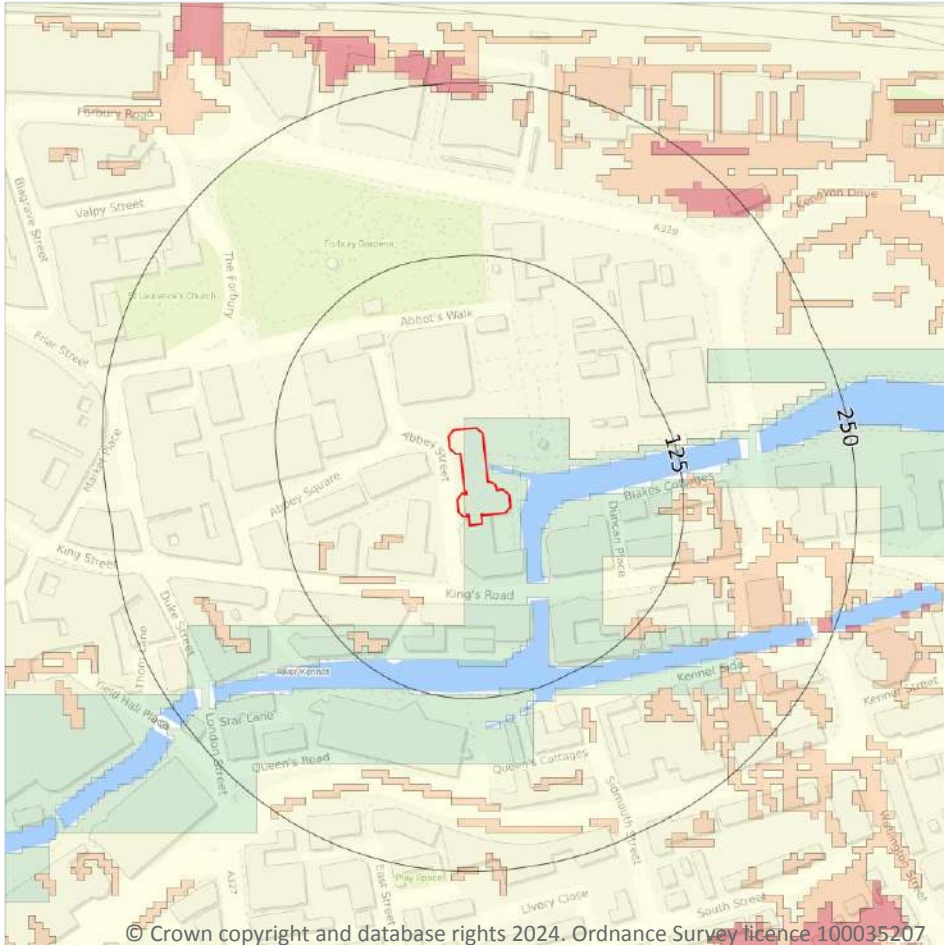
The table below shows the maximum flood depths for a range of return periods for the site.

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

This data is sourced from Ambiantal Risk Analytics.



9 Groundwater flooding



— Site Outline
Search buffers in metres (m)

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

9.1 Groundwater flooding

Highest risk on site

Moderate

Highest risk within 50m

Moderate-High

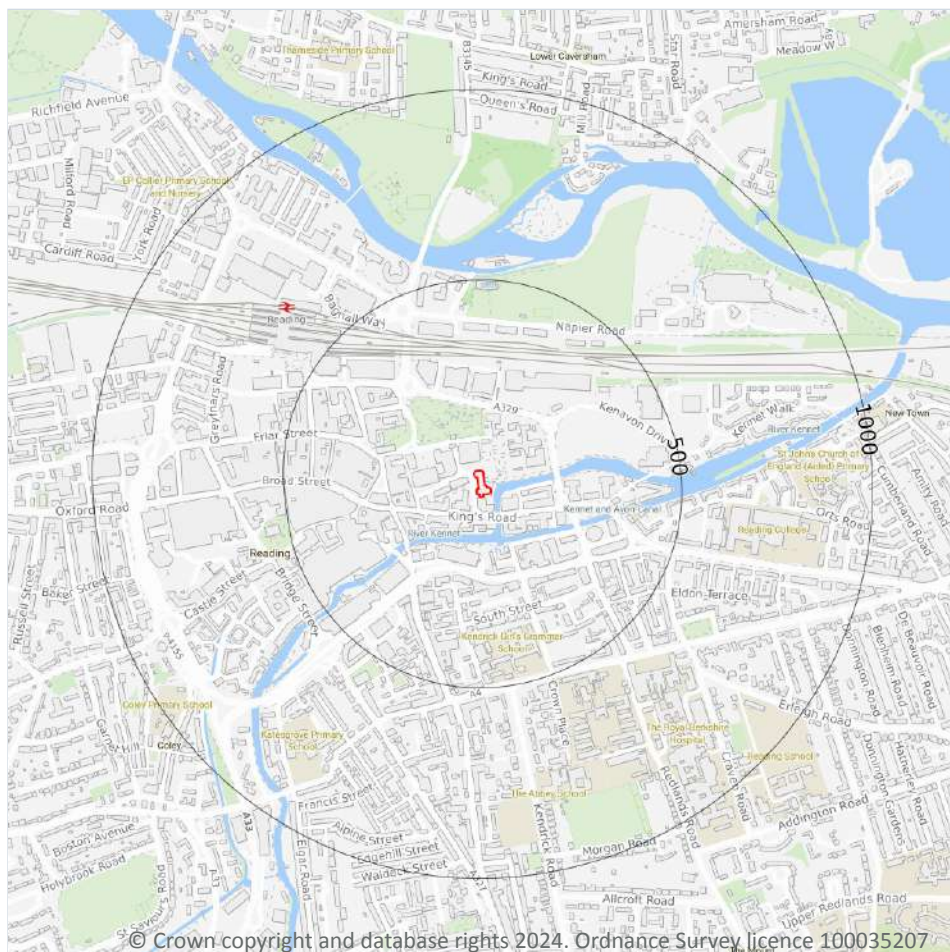
Groundwater flooding is caused by unusually high groundwater levels. It occurs when the water table rises above the ground surface or within underground structures such as basements or cellars. Groundwater flooding tends to exhibit a longer duration than surface water flooding, possibly lasting for weeks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

Features are displayed on the Groundwater flooding map on [page 89 >](#)

This data is sourced from Ambiantal Risk Analytics.



10 Environmental designations



- Site Outline
- Search buffers in metres (m)
- Designated Ancient Woodland

10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m

0

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

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



10.2 Conserved wetland sites (Ramsar sites)

Records within 2000m**0**

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

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

10.3 Special Areas of Conservation (SAC)

Records within 2000m**0**

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

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

10.4 Special Protection Areas (SPA)

Records within 2000m**0**

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

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

10.5 National Nature Reserves (NNR)

Records within 2000m**0**

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

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



10.6 Local Nature Reserves (LNR)

Records within 2000m**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**1**

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

Features are displayed on the Environmental designations map on [page 90](#) >

ID	Location	Name	Woodland Type
-	1977m NE	Unknown	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**0**

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

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**2**

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
253m NW	Thames Wallingford to Caversham NVZ	Surface Water	481	Existing
1227m NE	Sheeplands	Groundwater	88	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

0

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.

This data is sourced from Natural England.

10.18 SSSI Units

Records within 2000m

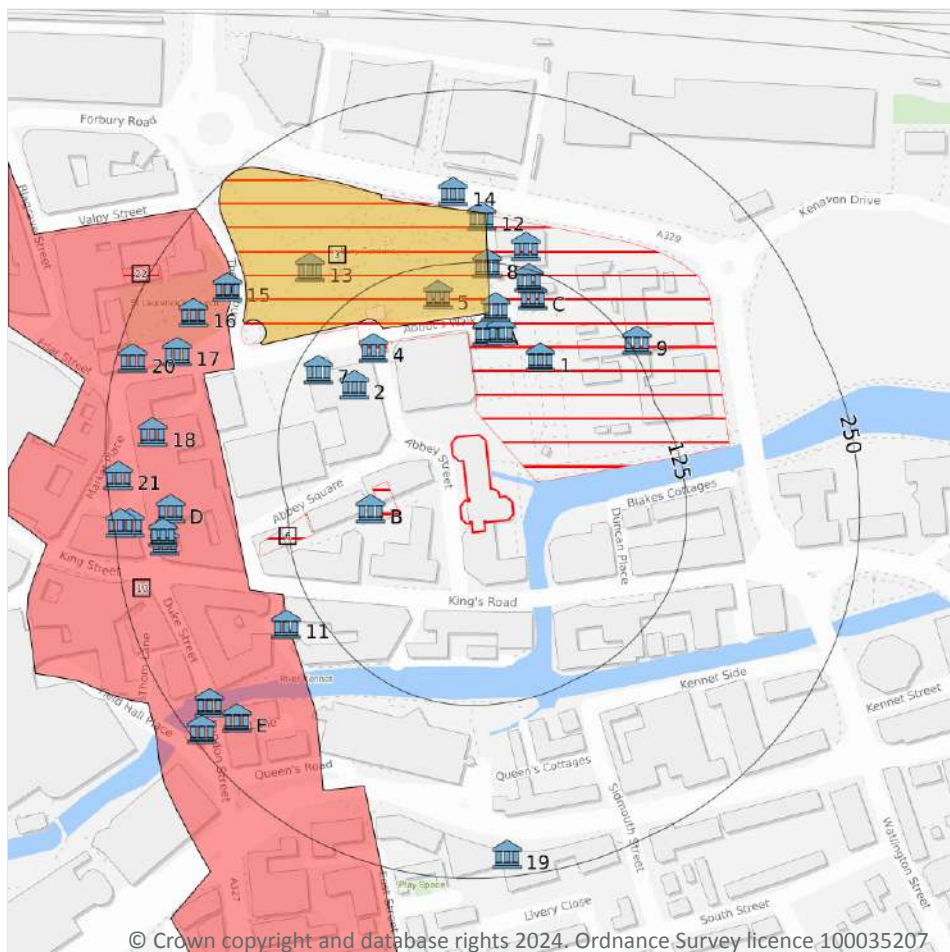
0

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

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



11 Visual and cultural designations



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

11.1 World Heritage Sites

Records within 250m

0

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

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



11.2 Area of Outstanding Natural Beauty

Records within 250m

0

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

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

11.3 National Parks

Records within 250m

0

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

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

11.4 Listed Buildings

Records within 250m

33

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

Features are displayed on the Visual and cultural designations map on [page 96 >](#)

ID	Location	Name	Grade	Reference Number	Listed date
B	65m W	Abbey Mill Ruins	II	1113390	22/03/1957
1	71m NE	Reading Abbey Ruins	I	1113477	22/03/1957
A	75m N	10, Abbot's Walk	II	1303781	14/12/1978
A	78m N	11 And 12, Abbot's Walk	II	1113391	14/12/1978
2	82m NW	Assize Courts	II	1113476	14/12/1978
4	88m NW	Abbey Gate	I	1155691	22/03/1957



ID	Location	Name	Grade	Reference Number	Listed date
A	93m N	Archway Connecting Forbury Gardens To Abbey Ruins. Including Retaining Walls Flanking Path To Abbey Ruins	II*	1113478	14/12/1978
5	104m N	Anglian Cross	II	1113479	14/12/1978
C	108m N	St James Former School Buildings	II	1113481	14/12/1978
7	110m NW	Shire Hall	II	1113475	26/07/1973
C	119m N	St James's Presbytery	II	1321947	14/12/1978
8	124m N	Wall Between Forbury Road And Abbott's Walk To West Of St James's Church	II	1303165	14/12/1978
9	131m NE	Reading Gaol (Main Building) Former Her Majesty's Prison	II	1321948	14/12/1978
C	141m N	Church Of St James's	II	1113480	22/03/1957
11	147m SW	House At Rear Of Nos 18 And 20 Kings Road	II	1321920	14/12/1978
12	158m N	Shelter At North-East Corner Of Forbury Gardens	II	1303193	14/12/1978
13	162m NW	Maiwand Memorial	II	1155769	14/12/1978
14	177m N	The Plummery Wall	II	1113482	14/12/1978
15	197m NW	Wall And Gatepiers Of St Laurence's Graveyard	II	1155686	19/03/1975
D	208m W	1 And 2 Market Place	II	1156257	14/12/1978
16	209m NW	Tracery Fragments In The Churchyard Of The Church Of St Laurence	II	1113392	14/12/1978
17	209m NW	St Laurence's Church And Churchyard Twelve Tombs In St Laurence's Churchyard	II	1113533	14/12/1978
D	215m W	7 High Street	II	1155910	19/03/1975
D	215m W	The High	II	1113493	19/03/1975
18	216m W	National Westminster Bank	II	1113535	26/07/1973
E	217m SW	Coroner's Court	II	1113514	15/09/1977
E	226m SW	High Bridge	II	1321938	22/03/1957
19	234m S	Queen's Crescent	II	1113563	22/03/1957
D	238m W	10, High Street (See Details For Further Address Information)	II	1113494	14/12/1978
20	238m W	Church Of St Laurence	I	1113532	22/03/1957
E	241m SW	2 And 4, London Street	II	1321933	14/12/1978
21	242m W	The Simeon Monument	II*	1113534	22/03/1957



ID	Location	Name	Grade	Reference Number	Listed date
D	245m W	50 And 51, Market Place	II	1113540	26/07/1973

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

11.5 Conservation Areas

Records within 250m

1

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

Features are displayed on the Visual and cultural designations map on [page 96 >](#)

ID	Location	Name	District	Date of designation
10	140m SW	Market Place and London Street, Reading	Reading	1972

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

11.6 Scheduled Ancient Monuments

Records within 250m

5

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.

Features are displayed on the Visual and cultural designations map on [page 96 >](#)

ID	Location	Ancient monument name	Reference number
A	8m N	Reading Abbey: a Cluniac and Benedictine monastery and Civil War earthwork.	1007932
B	44m W	Reading Abbey: a Cluniac and Benedictine monastery and Civil War earthwork.	1007932
6	107m W	Reading Abbey: a Cluniac and Benedictine monastery and Civil War earthwork.	1007932
E	219m SW	High Bridge	1005388
22	242m NW	Reading Abbey: a Cluniac and Benedictine monastery and Civil War earthwork.	1007932

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



11.7 Registered Parks and Gardens

Records within 250m**1**

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

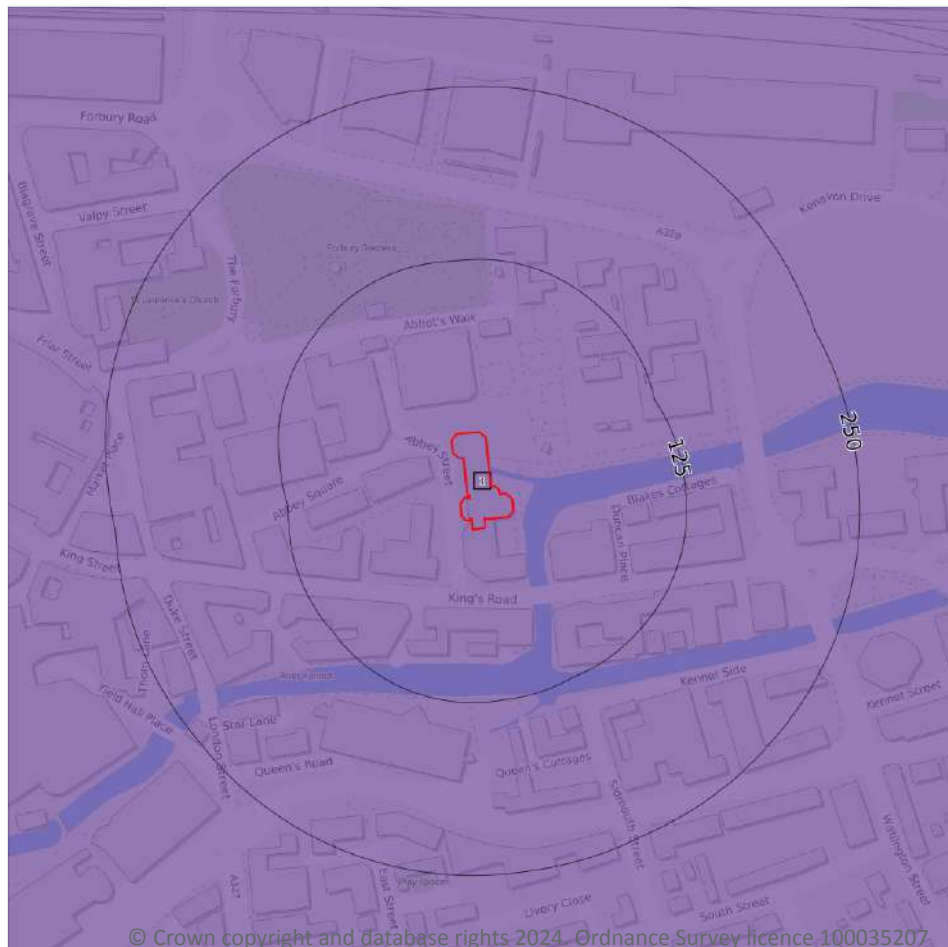
Features are displayed on the Visual and cultural designations map on [page 96](#) >

ID	Location	Name	Grade
3	85m N	The Forbury Garden	II

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



12 Agricultural designations



- Site Outline
- Search buffers in metres (m)
- Grade 1 - excellent quality
- Grade 2 - very good quality
- Grade 3 - good to moderate quality
- Grade 3a - good quality
- Grade 3b - moderate quality
- Grade 4 - poor quality
- Grade 5 - very poor quality
- Non-agricultural land
- Urban land
- Exclusion land
- Tree felling licences
- Open Access land

12.1 Agricultural Land Classification

Records within 250m

1

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

Features are displayed on the Agricultural designations map on [page 101](#) >

ID	Location	Classification	Description
1	On site	Urban	Non-agricultural/no quality assigned

This data is sourced from Natural England.



12.2 Open Access Land

Records within 250m**0**

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

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

12.3 Tree Felling Licences

Records within 250m**0**

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

This data is sourced from the Forestry Commission.

12.4 Environmental Stewardship Schemes

Records within 250m**0**

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

This data is sourced from Natural England.

12.5 Countryside Stewardship Schemes

Records within 250m**0**

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

This data is sourced from Natural England.



13 Habitat designations

13.1 Priority Habitat Inventory

Records within 250m

0

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

This data is sourced from Natural England.

13.2 Habitat Networks

Records within 250m

0

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

This data is sourced from Natural England.

13.3 Open Mosaic Habitat

Records within 250m

0

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

This data is sourced from Natural England.

13.4 Limestone Pavement Orders

Records within 250m

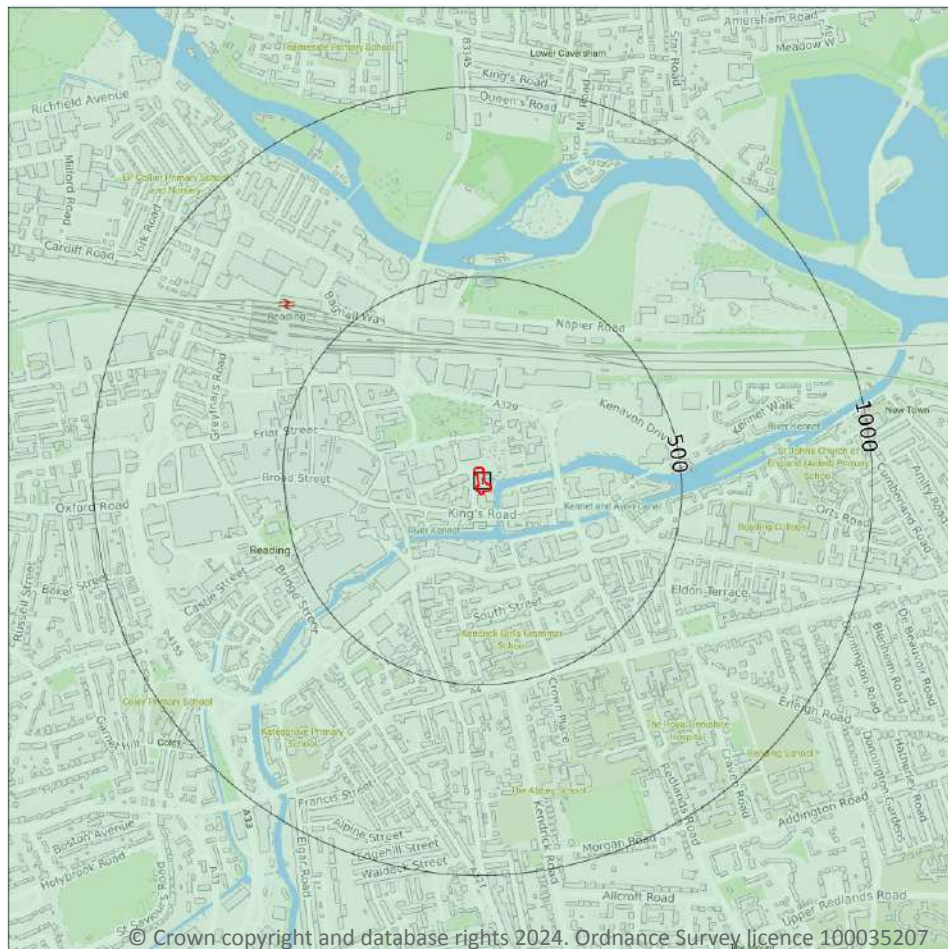
0

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

This data is sourced from Natural England.



14 Geology 1:10,000 scale - Availability



- Site Outline
- Search buffers in metres (m)
- Full coverage
 - Partial coverage
 - No coverage

14.1 10k Availability

Records within 500m

1

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

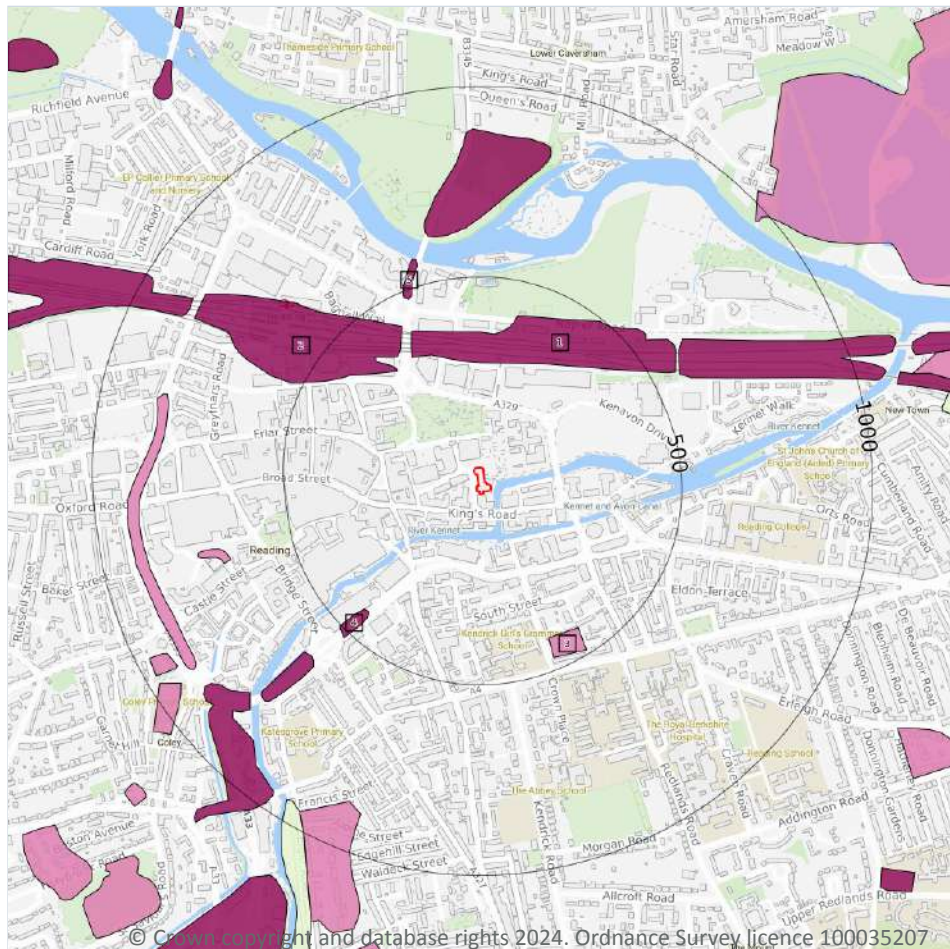
Features are displayed on the Geology 1:10,000 scale - Availability map on [page 104](#) >

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	No coverage	SU77SW

This data is sourced from the British Geological Survey.



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



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

14.2 Artificial and made ground (10k)

Records within 500m

5

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 105](#) >

ID	Location	LEX Code	Description	Rock description
1	275m N	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
2	326m NW	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
3	415m SE	WGR-VOID	Worked Ground (Undivided)	Void
4	423m SW	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit

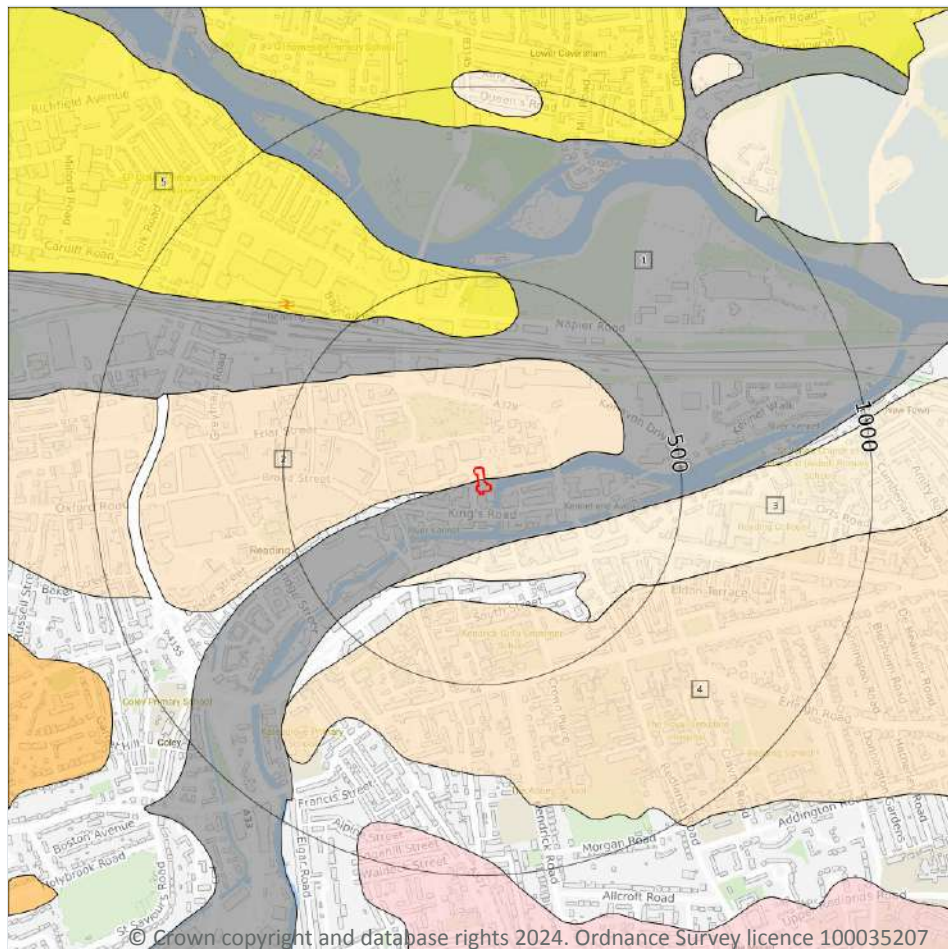


ID	Location	LEX Code	Description	Rock description
5	476m N	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Superficial



- Site Outline
- Search buffers in metres (m)
- Landslip (10k)
- Superficial geology (10k)
Please see table for more details.

14.3 Superficial geology (10k)

Records within 500m

5

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 107](#) >

ID	Location	LEX Code	Description	Rock description
1	On site	ALV-Z	Alluvium - Silt (unlithified Deposits Coding Scheme)	Silt
2	On site	TPGR-XSV	Taplow Gravel Formation - Sand And Gravel	Sand And Gravel
3	141m S	KPGR-XSV	Kempton Park Gravel Formation - Sand And Gravel	Sand And Gravel
4	282m S	TPGR-XSV	Taplow Gravel Formation - Sand And Gravel	Sand And Gravel



ID	Location	LEX Code	Description	Rock description
5	343m N	LASI-XCZ	Langley Silt Member - Clay And Silt	Clay And Silt

This data is sourced from the British Geological Survey.

14.4 Landslip (10k)

Records within 500m

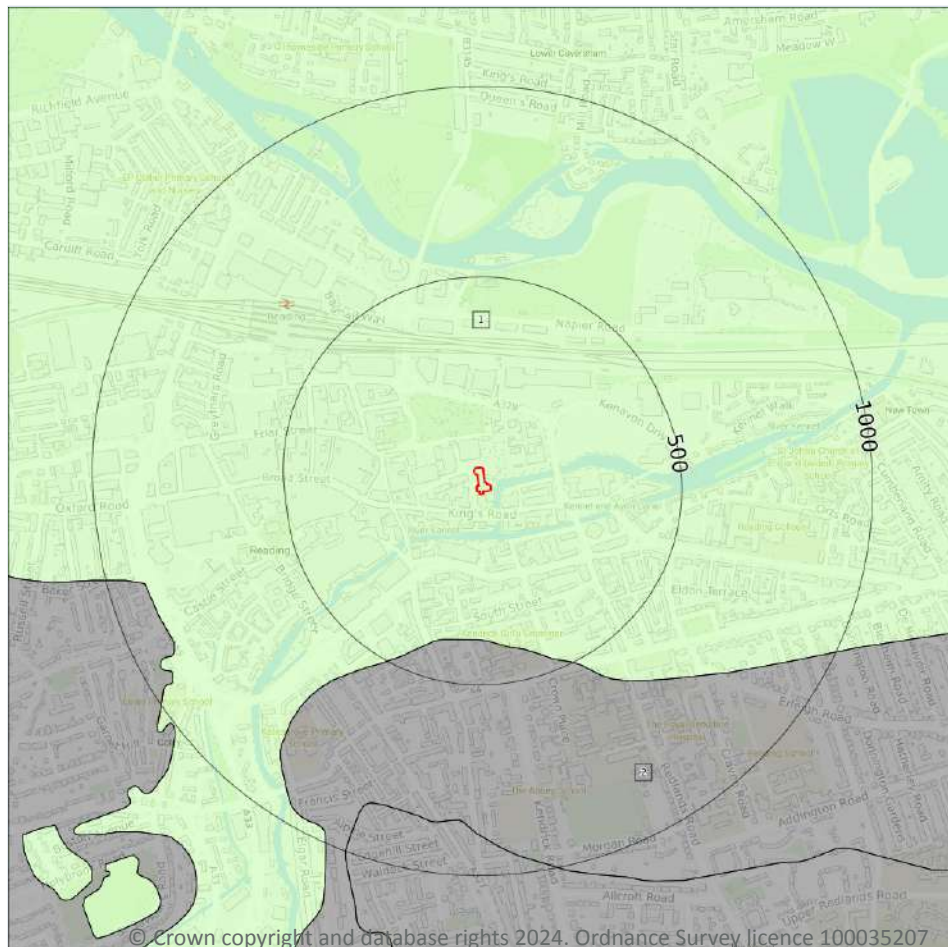
0

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

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Bedrock



— Site Outline

Search buffers in metres (m)

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

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

14.5 Bedrock geology (10k)

Records within 500m

2

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 109](#) >

ID	Location	LEX Code	Description	Rock age
1	On site	LSNCK-CHLK	Lewes Nodular Chalk Formation, Seaford Chalk Formation And Newhaven Chalk Formation (undifferentiated) - Chalk	Campanian Age - Turonian Age
2	381m S	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

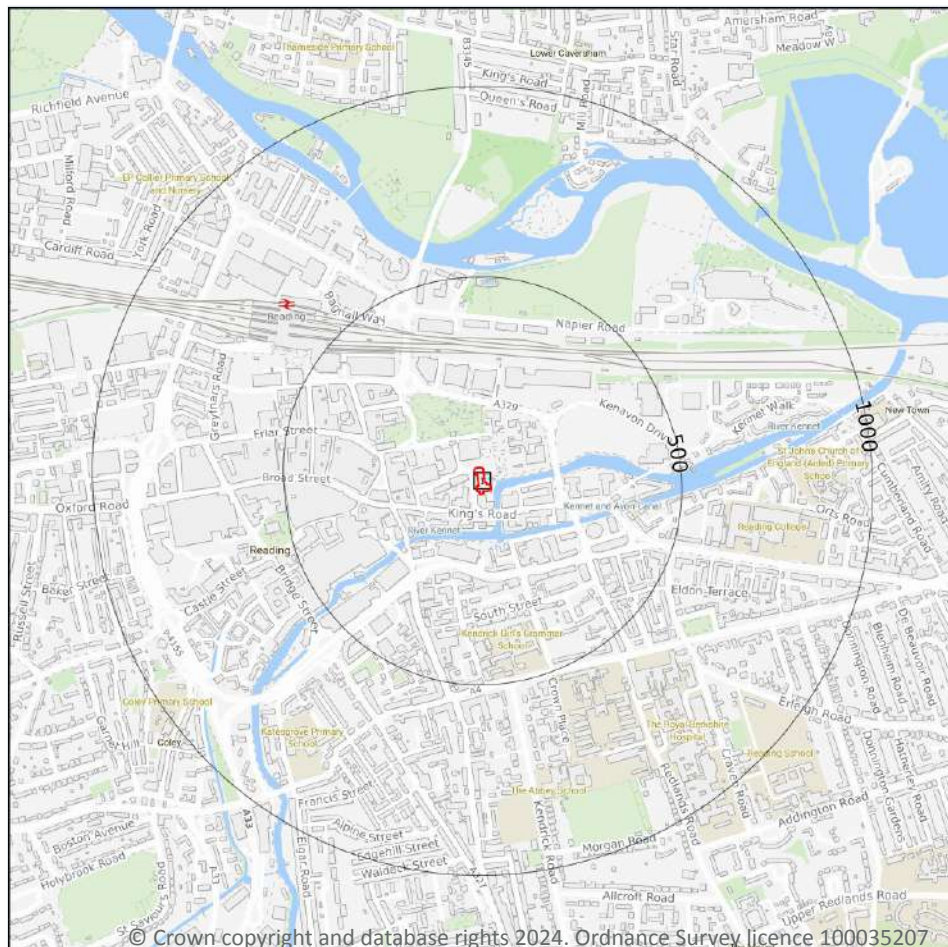
0

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.

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 111](#) >

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	No coverage	EW268_reading_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

0

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.

This data is sourced from the British Geological Survey.

15.3 Artificial ground permeability (50k)

Records within 50m

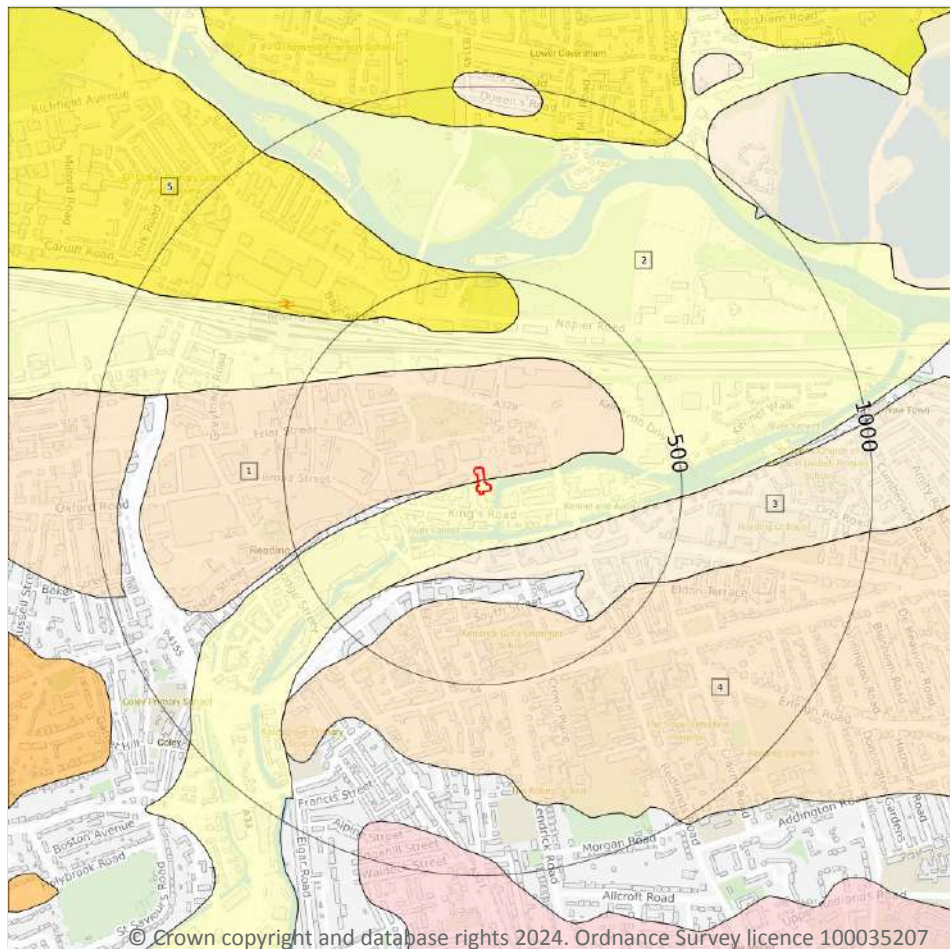
0

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

This data is sourced from the British Geological Survey.



Geology 1:50,000 scale - Superficial



— Site Outline

Search buffers in metres (m)

Landslip (50k)

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

15.4 Superficial geology (50k)

Records within 500m

5

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

Features are displayed on the Geology 1:50,000 scale - Superficial map on [page 113](#) >

ID	Location	LEX Code	Description	Rock description
1	On site	TPGR-XSV	TAPLOW GRAVEL MEMBER	SAND AND GRAVEL
2	On site	ALV-XCZSV	ALLUVIUM	CLAY, SILT, SAND AND GRAVEL
3	146m S	KPGR-XSV	KEMPTON PARK GRAVEL MEMBER	SAND AND GRAVEL
4	279m S	TPGR-XSV	TAPLOW GRAVEL MEMBER	SAND AND GRAVEL



ID	Location	LEX Code	Description	Rock description
5	354m N	LASI-XCZ	LANGLEY SILT MEMBER	CLAY AND SILT

This data is sourced from the British Geological Survey.

15.5 Superficial permeability (50k)

Records within 50m	2
---------------------------	----------

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	Very High	High

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)

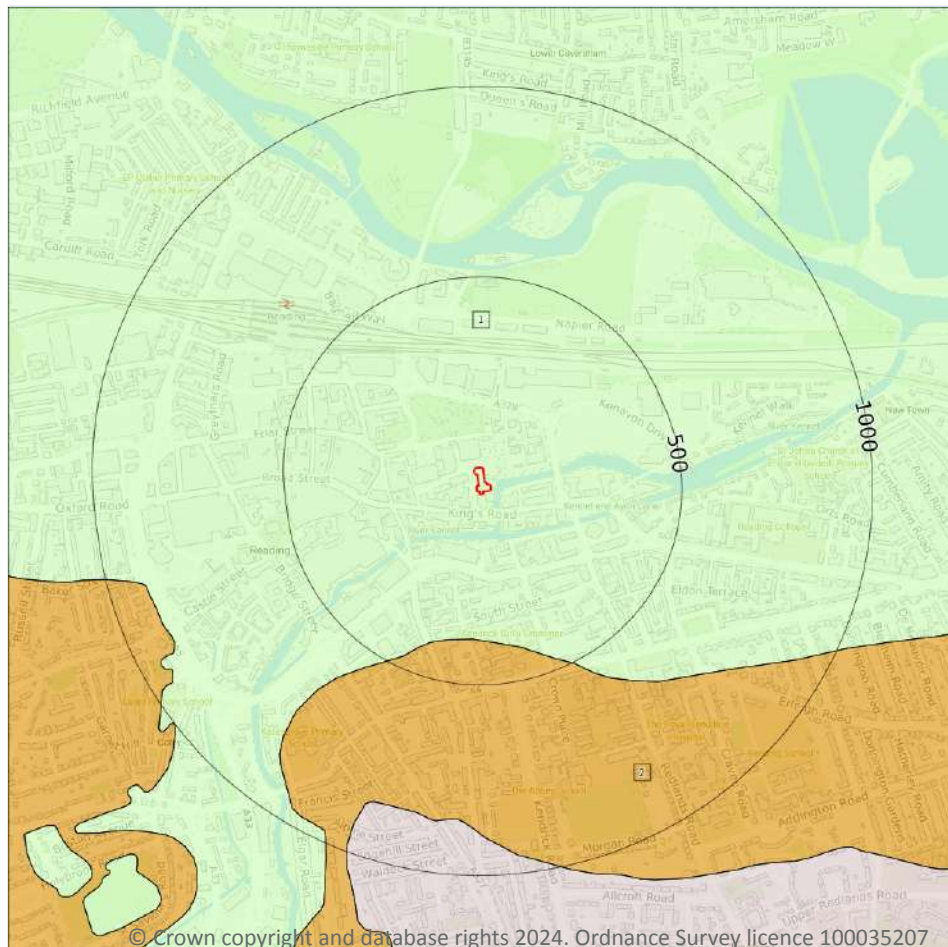
Records within 50m	0
---------------------------	----------

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

2

Bedrock geology at 1:50,000 scale. The main mass of rocks forming the Earth and present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

Features are displayed on the Geology 1:50,000 scale - Bedrock map on [page 115 >](#)

ID	Location	LEX Code	Description	Rock age
1	On site	SNCK-CHLK	SEAFORD CHALK FORMATION AND NEWHAVEN CHALK FORMATION (UNDIFFERENTIATED) - CHALK	CONIACIAN
2	380m S	LMBE-XCZS	LAMBETH GROUP - CLAY, SILT AND SAND	THANETIAN

This data is sourced from the British Geological Survey.



15.9 Bedrock permeability (50k)

Records within 50m**1**

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

Location	Flow type	Maximum permeability	Minimum permeability
On site	Fracture	Very High	Very High

This data is sourced from the British Geological Survey.

15.10 Bedrock faults and other linear features (50k)

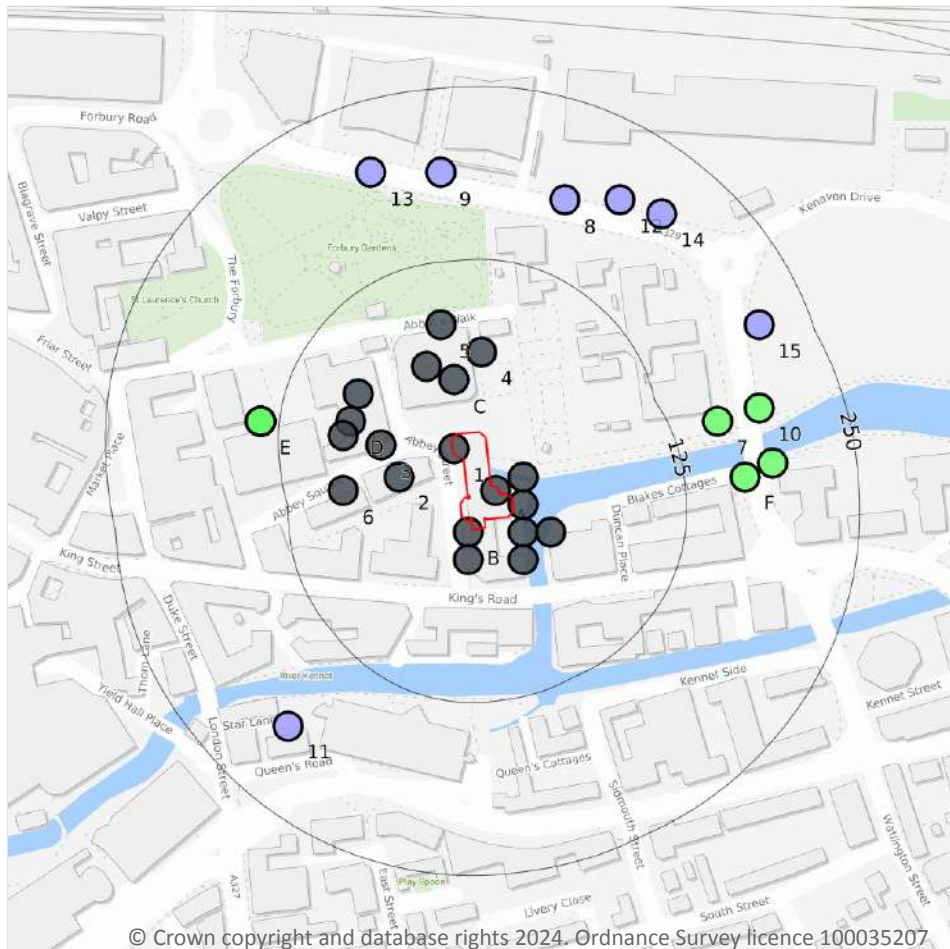
Records within 500m**0**

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.

This data is sourced from the British Geological Survey.



16 Boreholes



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

16.1 BGS Boreholes

Records within 250m

38

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 117 >](#)

ID	Location	Grid reference	Name	Length	Confidential	Web link
1	On site	471940 173480	SHIRE HALL READING 7	-	Y	N/A
A	On site	471970 173450	SHIRE HALL READING 16/A	-	Y	N/A
B	4m S	471950 173420	SHIRE HALL READING 5	-	Y	N/A



ID	Location	Grid reference	Name	Length	Confidential	Web link
A	8m SE	471990 173440	SHIRE HALL READING 4/A/B	-	Y	N/A
A	16m SE	471990 173420	SHIRE HALL READING 15	-	Y	N/A
A	17m E	471990 173460	SHIRE HALL READING 6/A	-	Y	N/A
B	22m S	471950 173400	SHIRE HALL READING 3	-	Y	N/A
A	31m SE	472010 173420	SHIRE HALL READING 1A	-	Y	N/A
A	33m SE	471990 173400	SHIRE HALL READING 2	-	Y	N/A
C	39m N	471940 173530	SHIRE HALL READING 8	-	Y	N/A
2	43m W	471900 173460	SHIRE HALL READING 12	-	Y	N/A
3	51m W	471887 173483	OLD SHIRE HALL READING 3	-	Y	N/A
C	54m NW	471920 173540	SHIRE HALL READING 10	-	Y	N/A
4	58m N	471960 173550	SHIRE HALL READING 9	-	Y	N/A
D	74m NW	471865 173500	OLD SHIRE HALL READING 2	-	Y	N/A
D	75m NW	471871 173520	OLD SHIRE HALL READING 1	-	Y	N/A
D	78m W	471860 173490	SHIRE HALL READING 14	-	Y	N/A
5	80m N	471930 173570	SHIRE HALL READING 11	-	Y	N/A
6	84m W	471860 173450	SHIRE HALL READING 13	-	Y	N/A
E	139m W	471800 173500	CROWN COURTS READING 4	10.5	N	428223 ↗
E	139m W	471800 173500	CROWN COURTS READING 7	8.0	N	428226 ↗
E	139m W	471800 173500	CROWN COURTS READING 2	10.25	N	428221 ↗
E	139m W	471800 173500	CROWN COURTS READING TP 3	4.0	N	428227 ↗
E	139m W	471800 173500	CROWN COURTS READING 5	10.0	N	428224 ↗
E	139m W	471800 173500	CROWN COURTS READING 1	10.0	N	428220 ↗
E	139m W	471800 173500	CROWN COURTS READING 3	15.0	N	428222 ↗
E	139m W	471800 173500	CROWN COURTS READING 6	15.0	N	428225 ↗
7	158m E	472130 173500	READING I D ROAD 9	20.0	N	428285 ↗
F	169m E	472150 173460	READING I D ROAD 10	20.0	N	428286 ↗
8	179m N	472020 173660	READING I D ROAD 3	10.0	N	428279 ↗
9	189m N	471930 173680	READING I D ROAD 2	5.0	N	428278 ↗

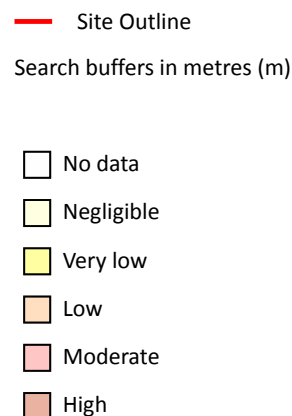
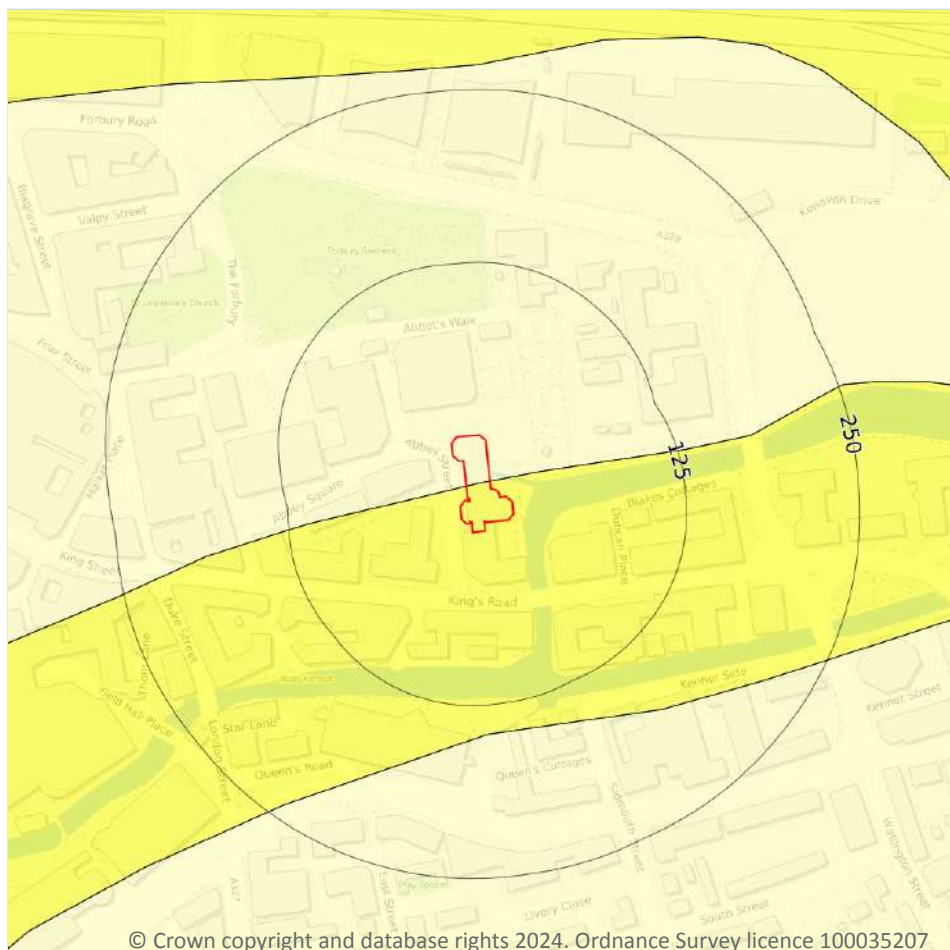


ID	Location	Grid reference	Name	Length	Confidential	Web link
10	190m E	472160 173510	READING I D ROAD 7	20.0	N	428283 ↗
F	190m E	472170 173470	READING I D ROAD 8	20.0	N	428284 ↗
11	195m SW	471820 173280	QUEENS ROAD READING	6.09	N	428825 ↗
12	196m NE	472060 173660	READING I D ROAD 4	10.0	N	428280 ↗
13	199m N	471880 173680	READING I D ROAD 1	5.0	N	428277 ↗
14	206m NE	472090 173650	READING I D ROAD 5	10.0	N	428281 ↗
15	213m NE	472160 173570	READING I D ROAD 6	5.0	N	428282 ↗

This data is sourced from the British Geological Survey.



17 Natural ground subsidence - Shrink swell clays



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

17.1 Shrink swell clays

Records within 50m

2

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

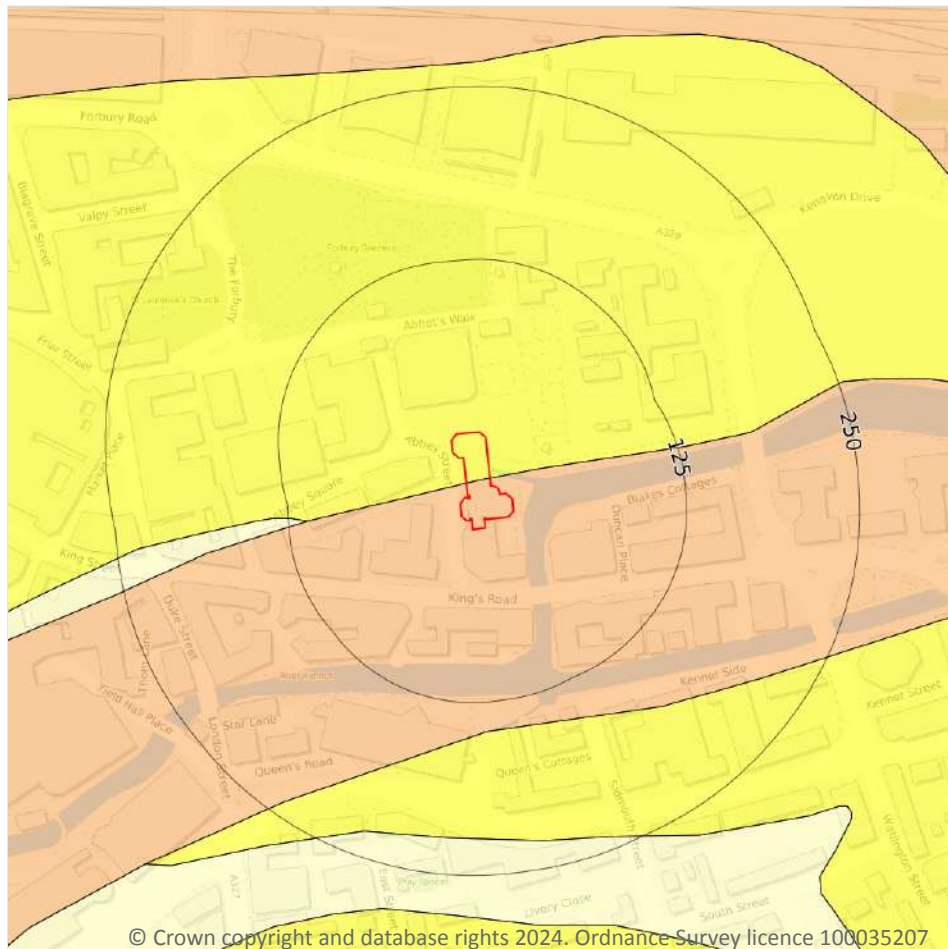
Features are displayed on the Natural ground subsidence - Shrink swell clays map on [page 120](#) >

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

This data is sourced from the British Geological Survey.



Natural ground subsidence - Running sands



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

17.2 Running sands

Records within 50m

2

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

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

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

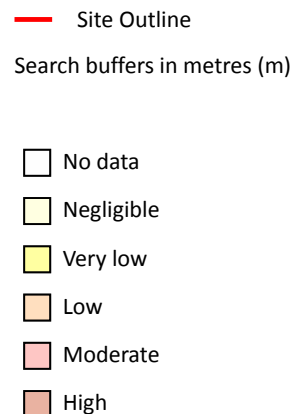
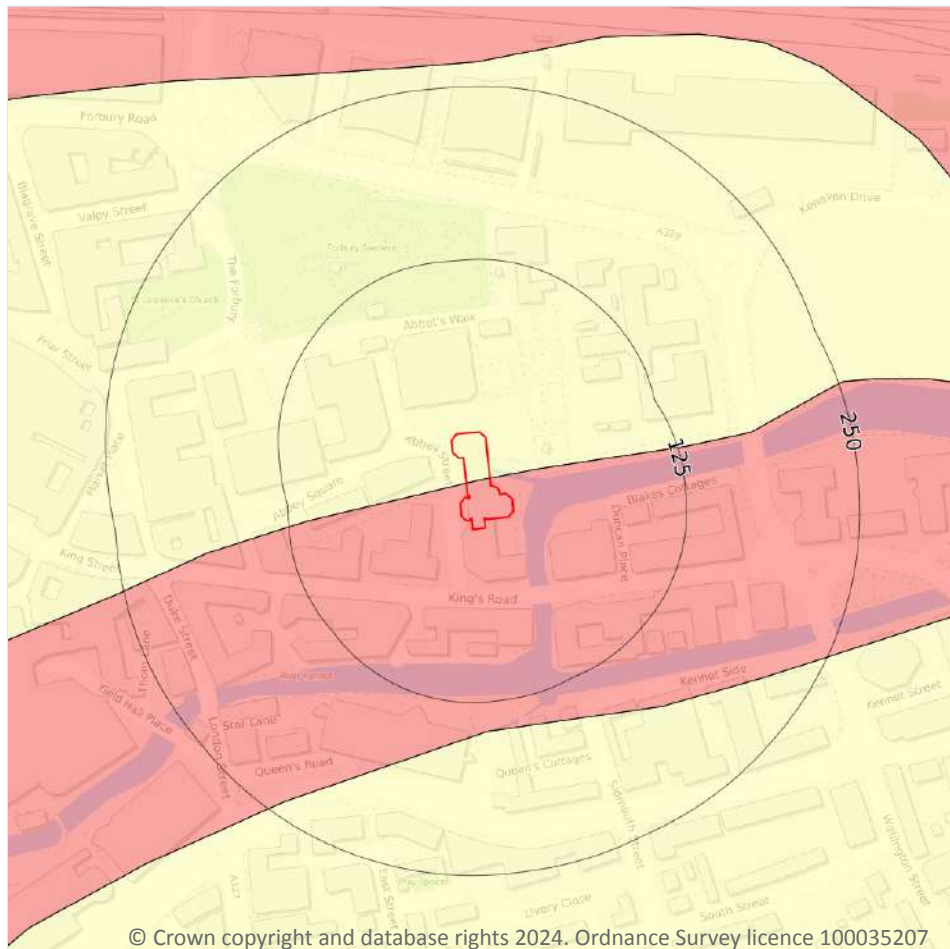


Location	Hazard rating	Details
On site	Low	Running sand conditions may be present. Constraints may apply to land uses involving excavation or the addition or removal of water.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Compressible deposits



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

17.3 Compressible deposits

Records within 50m

2

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

Features are displayed on the Natural ground subsidence - Compressible deposits map on [page 123](#) >

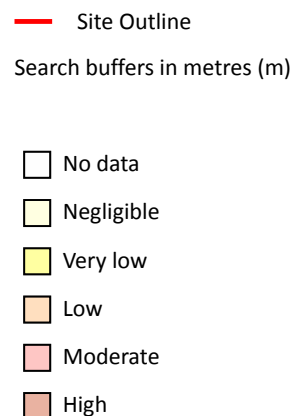
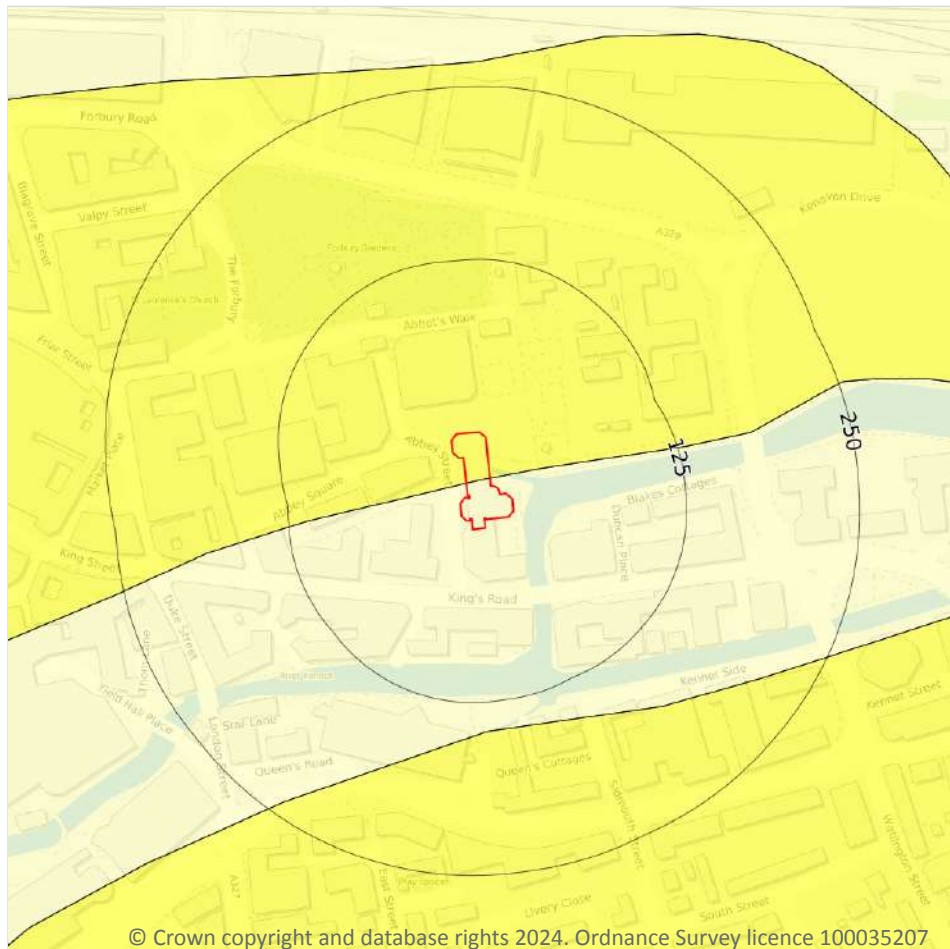
Location	Hazard rating	Details
On site	Negligible	Compressible strata are not thought to occur.
On site	Moderate	Compressibility and uneven settlement hazards are probably present. Land use should consider specifically the compressibility and variability of the site.



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.

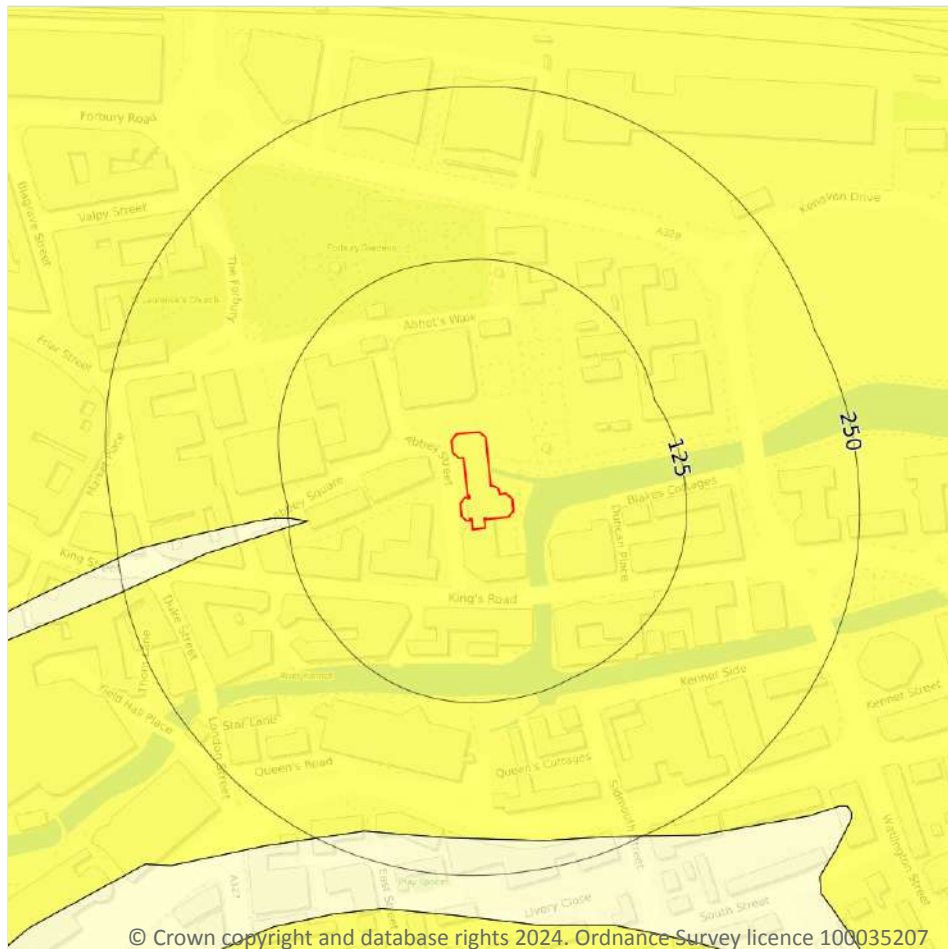
Features are displayed on the Natural ground subsidence - Collapsible deposits map on [page 125 >](#)

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.

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

1

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

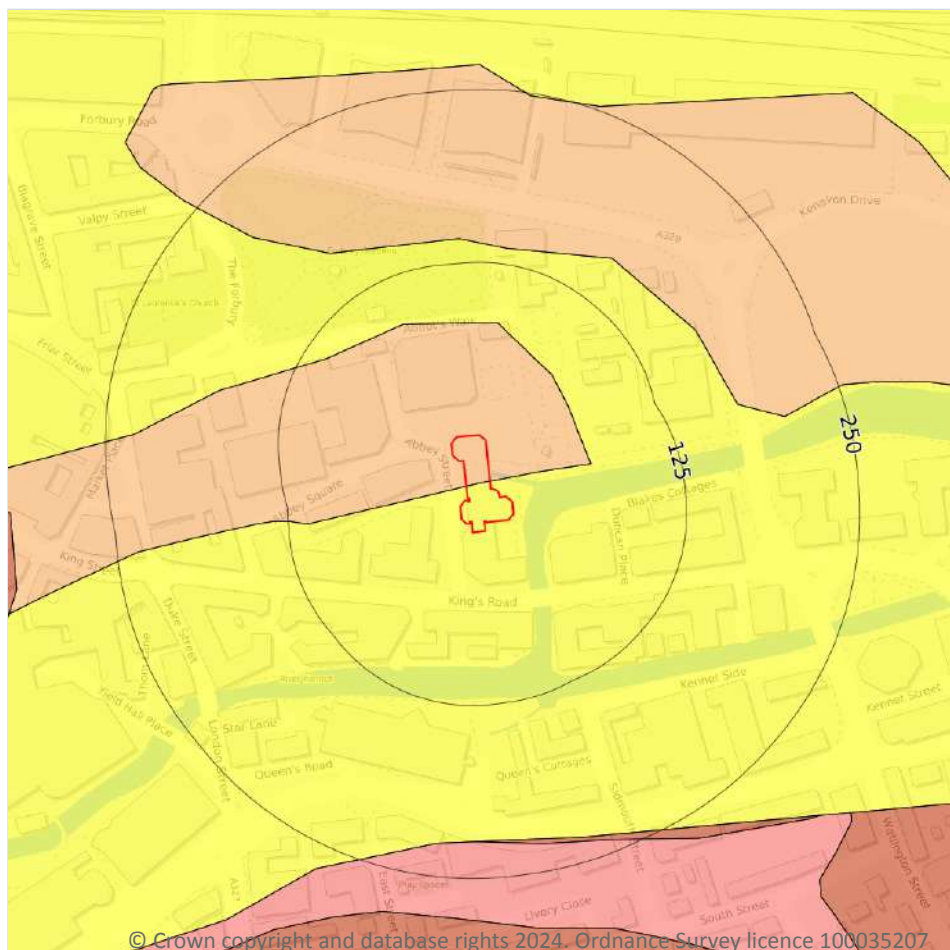
Features are displayed on the Natural ground subsidence - Landslides map on [page 126 >](#)

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

This data is sourced from the British Geological Survey.



Natural ground subsidence - Ground dissolution of soluble rocks



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

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

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 127 >](#)

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.

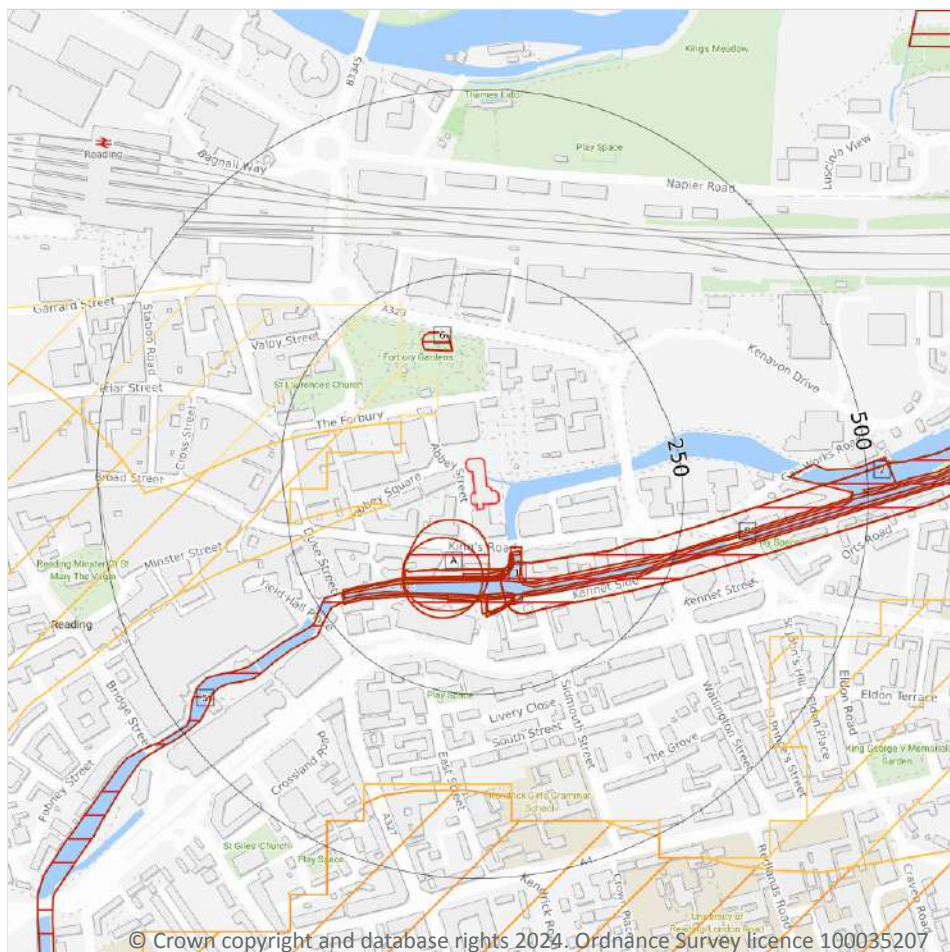


Location	Hazard rating	Details
On site	Low	Soluble rocks are present within the ground. Some dissolution features may be present. Potential for difficult ground conditions are at a level where they may be considered, localised subsidence need not be considered except in exceptional circumstances.

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

0

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

This data is sourced from the British Geological Survey.

18.2 Surface ground workings

Records within 250m**15**

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 129](#) >

ID	Location	Land Use	Year of mapping	Mapping scale
A	22m S	Unspecified Wharf	1994	1:10000
A	49m S	Unspecified Wharf	1938	1:10560
1	63m SE	Canal	1933	1:10560
2	69m SE	Canal	1938	1:10560
A	71m SE	Unspecified Wharf	1938	1:10560
A	71m SE	Unspecified Wharf	1938	1:10560
B	83m S	Canal	1994	1:10000
B	83m S	Canal	1989	1:10000
A	87m S	Unspecified Wharf	1989	1:10000
5	94m S	Canal	1938	1:10560
A	116m S	Unspecified Disused Wharf	1933	1:10560
A	119m S	Unspecified Wharf	1938	1:10560
A	119m S	Unspecified Wharf	1938	1:10560
A	122m S	Unspecified Wharf	1938	1:10560
6	148m N	Unspecified Heap	1933	1:10560

This is data is sourced from Ordnance Survey/Groundsure.

18.3 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.



18.4 Underground mining extents

Records within 500m

0

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

This data is sourced from Groundsure.

18.5 Historical Mineral Planning Areas

Records within 500m

0

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

This data is sourced from the British Geological Survey.

18.6 Non-coal mining

Records within 1000m

10

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

Features are displayed on the Mining and ground workings map on [page 129 >](#)

ID	Location	Name	Commodity	Class	Likelihood
3	72m NW	Not available	Chalk	A	Underground mine workings are uncommon, although the geology is similar to that worked elsewhere. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
4	89m W	Not available	Chalk	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
7	372m S	Not available	Chalk	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.

ID	Location	Name	Commodity	Class	Likelihood
8	380m S	Not available	Chalk	C	Underground mine workings may have occurred in the past, or current mines may be operating to modern engineering standards. Potential for difficult ground conditions should be considered.
9	411m SE	Not available	Chalk	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
10	453m S	Not available	Chalk	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
-	719m E	Not available	Chalk	A	Underground mine workings are uncommon, although the geology is similar to that worked elsewhere. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
-	886m SW	Ruby Court	Chalk	D	Underground mining is considered likely to have occurred within or close to the area. The location, extent and nature of mining should be considered in any site investigation. Potential for difficult ground conditions should be considered.
-	936m SW	Ruby Court	Chalk	E	Underground mining is known or considered likely within or very close to the area. The location, extent and nature of mining should be considered in any site investigation. Potential for difficult ground conditions should be considered.
-	940m SW	Not available	Chalk	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.

This data is sourced from the British Geological Survey.

18.7 JPB mining areas

Records on site

1

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



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

This data is sourced from Johnson Poole and Bloomer.

18.8 The Coal Authority non-coal mining

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

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

This data is sourced from The Coal Authority.

18.9 Researched mining

Records within 500m	1
---------------------	---

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.

Location	Mineral type
414m SE	Stone

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**0**

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

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

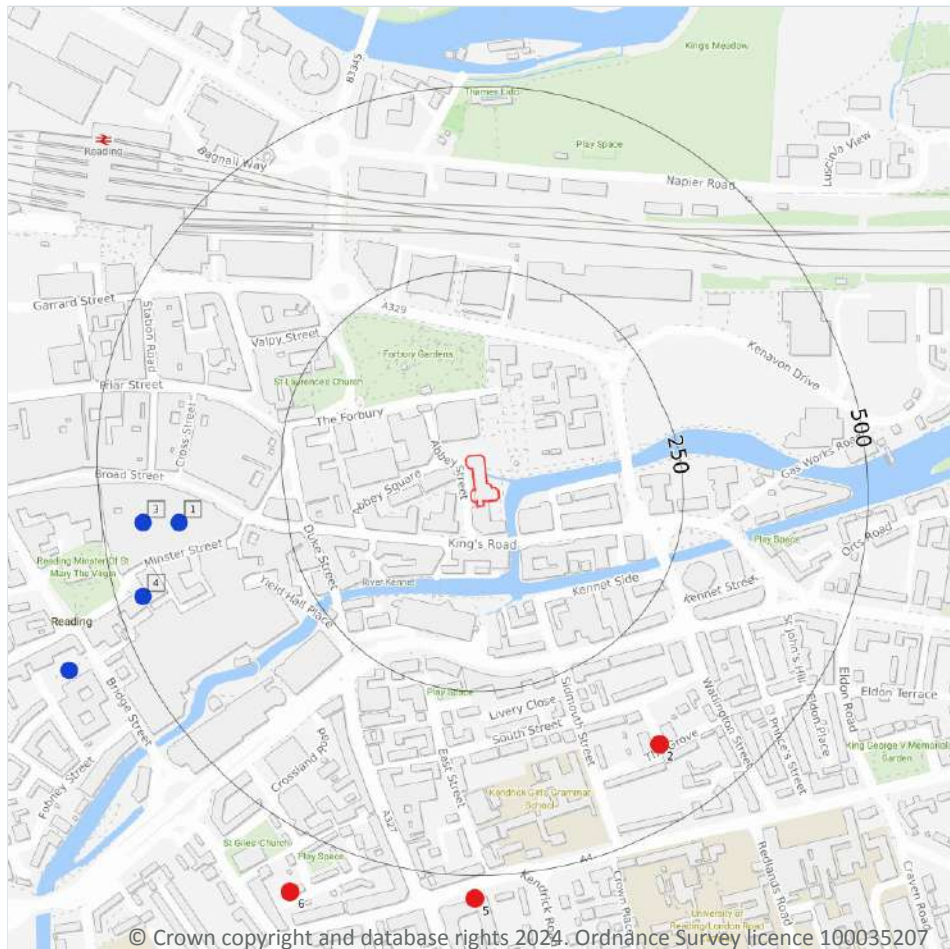
Records on site	0
-----------------	---

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



- Site Outline
- Search buffers in metres (m)
- Natural cavities (Area)
- Natural cavities (Point)
- Mining cavities
- Reported recent incidents
- Historical incidents
- BGS karst database (Point)
- BGS karst database (Line)
- BGS karst database (Area)

19.1 Natural cavities

Records within 500m

3

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.

Features are displayed on the Ground cavities and sinkholes map on [page 136](#) >

ID	Location	Details	Source
1	397m W	Type: Solution Pipe x 5 Superficial Geology: Taplow Gravel Bedrock Geology: Chalk Group	Simple Bibliography: Reading Borough Council Full Bibliography: - Confidentiality: Data source can be revealed, data can be used freely

ID	Location	Details	Source
3	446m W	Type: Solution Pipe x 3 Superficial Geology: Taplow Gravel Bedrock Geology: Chalk Group	Simple Bibliography: Reading Borough Council Full Bibliography: - Confidentiality: Data source can be revealed, data can be used freely
4	464m W	Type: Solution Pipe x 1 Superficial Geology: Taplow Gravel Bedrock Geology: Chalk Group	Simple Bibliography: Reading Borough Council Full Bibliography: - Confidentiality: Data source can be revealed, data can be used freely

This data is sourced from Stantec UK Ltd.

19.2 Mining cavities

Records within 1000m	11
-----------------------------	-----------

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.

Features are displayed on the Ground cavities and sinkholes map on [page 136 >](#)

ID	Location	Mine Address	Mineral	Data source	Publisher
2	398m SE	Reading, Berkshire	Chalk	-	PhD Thesis, University of Reading
5	532m S	Jubilee Square, Reading, Berkshire	Chalk	-	PhD Thesis, University of Reading
6	580m SW	Reading, Berkshire	Chalk	-	-
-	691m S	Reading, Berkshire	Chalk	-	PhD Thesis, University of Reading
-	724m S	The Old Orchard Kiln, Reading, Berkshire	Chalk	-	PhD Thesis, University of Reading
-	765m S	Shearmans Brick Kiln, Reading, Berkshire	Chalk	-	PhD Thesis, University of Reading
-	812m S	Shearmans Brick Kiln, Reading, Berkshire	Chalk	-	PhD Thesis, University of Reading
-	895m SW	Katesgrove Kilns (1), Reading, Berkshire	Chalk	-	PhD Thesis, University of Reading
-	928m S	The Upper Kiln, Reading, Berkshire	Chalk	-	PhD Thesis, University of Reading



ID	Location	Mine Address	Mineral	Data source	Publisher
-	939m SW	Katesgrove Kilns (2), Reading, Berkshire	Chalk	READING CHALK MINES	TRANS.GEO.SOC., 4, 780
-	956m S	Ivy Lodge Brickfield/ Southampton Kiln, Reading, Berkshire	Chalk	-	PhD Thesis, University of Reading

This data is sourced from Stantec UK Ltd.

19.3 Reported recent incidents

Records within 500m

0

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

This data is sourced from Groundsure.

19.4 Historical incidents

Records within 500m

0

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

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

This data is sourced from Groundsure.

19.5 National karst database

Records within 500m

0

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

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

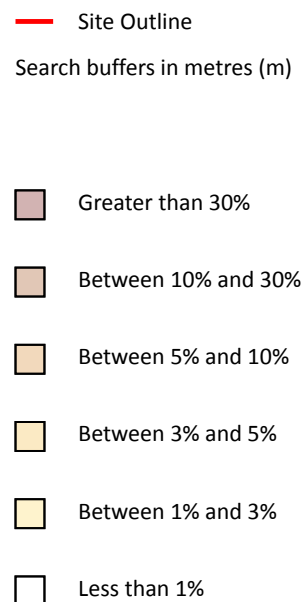
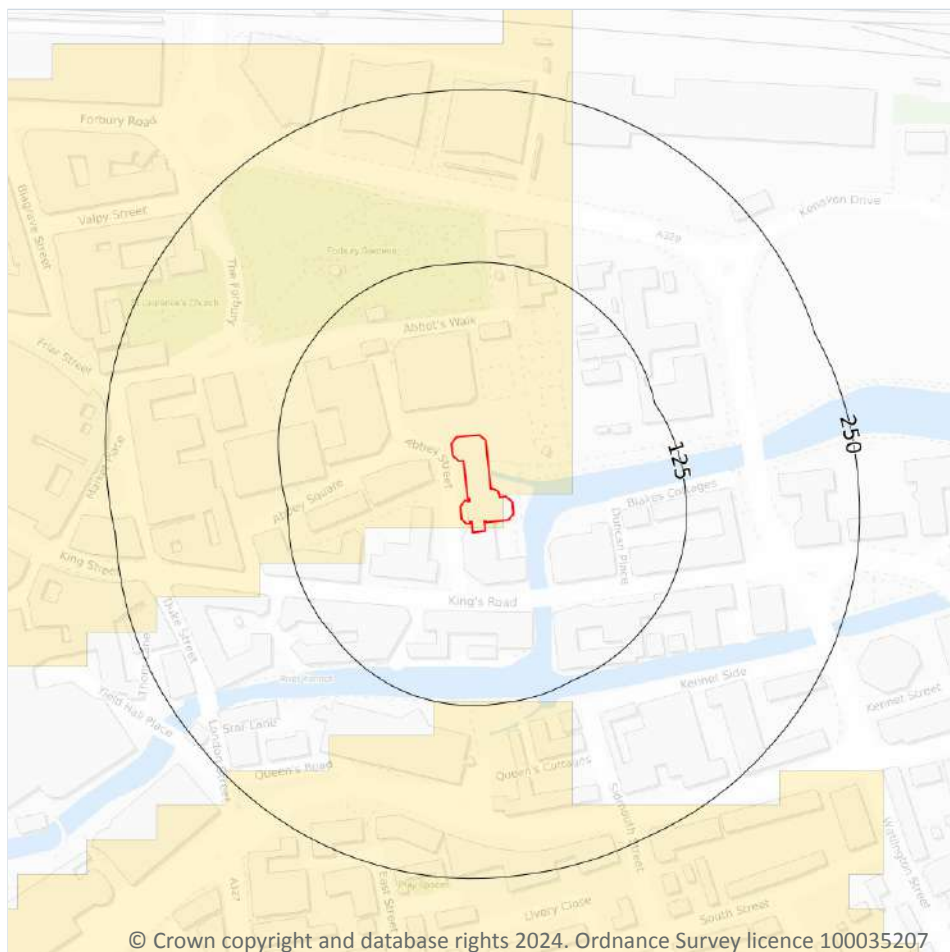


The database is not yet complete, and not all records have been verified. The absence of data does not mean that karst features are not present at a site. A reliability rating is included with each record.

This data is sourced from the British Geological Survey.



20 Radon



20.1 Radon

Records on site

2

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 140](#) >

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



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

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



21 Soil chemistry

21.1 BGS Estimated Background Soil Chemistry

Records within 50m

9

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 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
8m N	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
17m SE	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
17m SE	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
28m E	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
28m E	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
39m NE	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
39m NE	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.



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

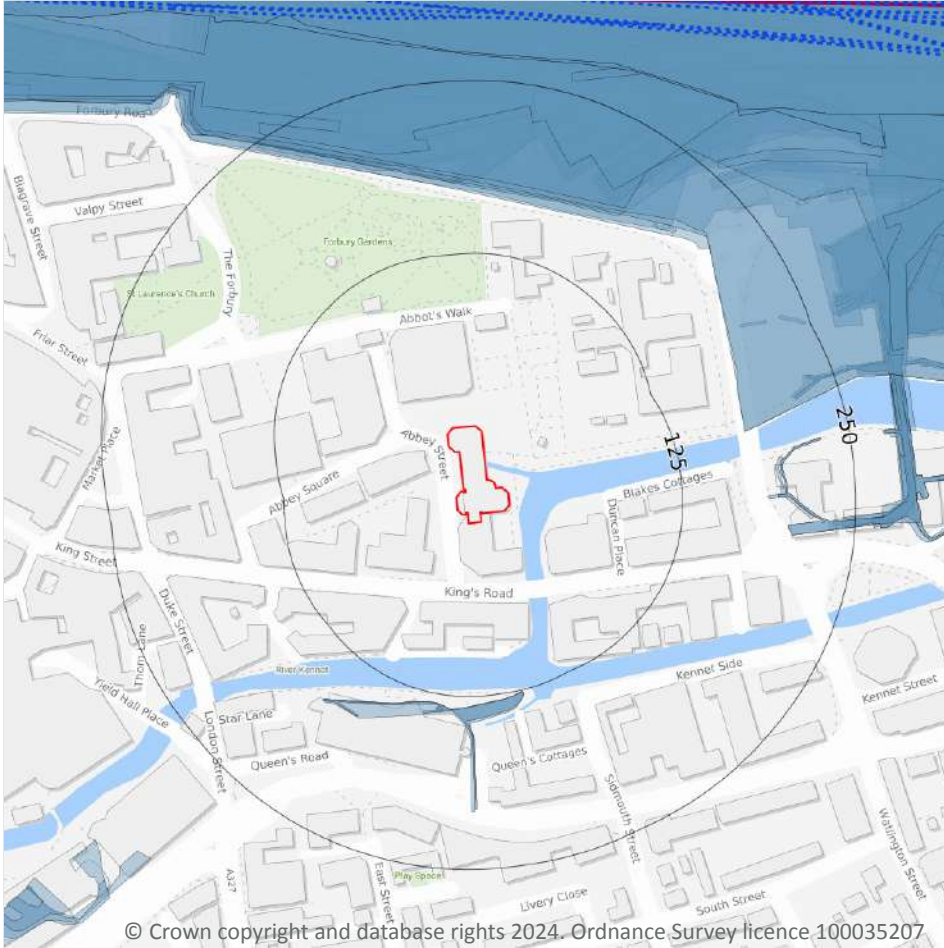
Records within 50m**0**

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



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

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

35

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 144 >](#)

Location	Land Use	Year of mapping	Mapping scale
126m S	Railway Sidings	1879	500
127m S	Railway Sidings	1879	2500
164m N	Railway Sidings	1898	10560
166m N	Railway	1898	-
170m N	Railway Sidings	1962	10560
172m N	Railway Sidings	1938	10560
173m N	Railway Sidings	1913	10560
176m N	Railway Sidings	1900	2500
177m N	Railway Sidings	1938	10560
177m N	Railway Sidings	1879	500
179m N	Railway Sidings	1879	2500
179m N	Railway Sidings	1912	2500
186m E	Railway Sidings	1879	2500
189m NE	Railway Sidings	1931	2500
190m N	Railway Sidings	1957	2500
190m N	Railway Sidings	1956	1250
194m E	Railway Sidings	1879	500



Location	Land Use	Year of mapping	Mapping scale
198m NE	Railway Sidings	1933	10560
202m NE	Railway Sidings	1879	2500
209m N	Railway Sidings	1958	2500
209m N	Railway Sidings	1961	2500
209m N	Railway Sidings	1962	1250
209m N	Railway Sidings	1956	1250
212m N	Railway Sidings	1962	1250
212m N	Railway Sidings	1956	1250
214m NE	Railway	1932	-
215m N	Railway Sidings	1958	2500
215m N	Railway Sidings	1961	2500
216m N	Railway	1879	-
229m NE	Railway Sidings	1879	2500
232m NE	Railway	1899	-
235m N	Railway Sidings	1879	500
235m N	Railway Sidings	1879	500
238m N	Railway Sidings	1879	500
239m N	Railway Sidings	1879	500

This data is sourced from Ordnance Survey/Groundsure.

22.5 Royal Mail tunnels

Records within 250m

0

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

This data is sourced from Groundsure/the Postal Museum.



22.6 Historical railways

Records within 250m**0**

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

This data is sourced from OpenStreetMap.

22.7 Railways

Records within 250m**0**

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

This data is sourced from Ordnance Survey and OpenStreetMap.

22.8 Crossrail 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> ↗.

Terms and conditions

Groundsure's Terms and Conditions can be accessed at this link: www.groundsure.com/terms-and-conditions-april-2023/ ↗.

