

Medway Energy for Waste Facility, ME3 9NQ

Order Details

Date: 14/11/2023
Your ref: CMAPS-CM-1135723-2894-141123
Our Ref: CMAPS-CM-1135723-2894-141123EDRGEO

Site Details

Location: 581146 172529
Area: 6.67 ha
Authority: [Medway Council](#) ↗



Summary of findings

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Aerial image

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OS MasterMap site plan

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Contact us with any questions at:

info@groundsure.com ↗

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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 >	0	1	4	19	-
17 >	1.2 >	Historical tanks >	0	0	8	47	-
19 >	1.3 >	Historical energy features >	1	1	0	2	-
19	1.4	Historical petrol stations	0	0	0	0	-
20	1.5	Historical garages	0	0	0	0	-
20	1.6	Historical military land	0	0	0	0	-
Page	Section	Past land use - un-grouped >	On site	0-50m	50-250m	250-500m	500-2000m
21 >	2.1 >	Historical industrial land uses >	0	1	7	24	-
23 >	2.2 >	Historical tanks >	0	0	11	83	-
26 >	2.3 >	Historical energy features >	1	1	0	10	-
27	2.4	Historical petrol stations	0	0	0	0	-
27	2.5	Historical garages	0	0	0	0	-
Page	Section	Waste and landfill >	On site	0-50m	50-250m	250-500m	500-2000m
28	3.1	Active or recent landfill	0	0	0	0	-
28	3.2	Historical landfill (BGS records)	0	0	0	0	-
29	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
29 >	3.4 >	Historical landfill (EA/NRW records) >	0	0	2	0	-
29 >	3.5 >	Historical waste sites >	0	0	0	3	-
31 >	3.6 >	Licensed waste sites >	0	0	0	7	-
33 >	3.7 >	Waste exemptions >	0	0	0	19	-
Page	Section	Current industrial land use >	On site	0-50m	50-250m	250-500m	500-2000m
35 >	4.1 >	Recent industrial land uses >	0	0	11	-	-
36	4.2	Current or recent petrol stations	0	0	0	0	-
36 >	4.3 >	Electricity cables >	0	0	2	4	-
37	4.4	Gas pipelines	0	0	0	0	-
37	4.5	Sites determined as Contaminated Land	0	0	0	0	-



37 >	4.6 >	Control of Major Accident Hazards (COMAH) >	0	1	0	0	-
38	4.7	Regulated explosive sites	0	0	0	0	-
38 >	4.8 >	Hazardous substance storage/usage >	0	0	0	1	-
38 >	4.9 >	Historical licensed industrial activities (IPC) >	0	0	0	15	-
40 >	4.10 >	Licensed industrial activities (Part A(1)) >	0	0	1	36	-
46 >	4.11 >	Licensed pollutant release (Part A(2)/B) >	0	0	0	2	-
46	4.12	Radioactive Substance Authorisations	0	0	0	0	-
46 >	4.13 >	Licensed Discharges to controlled waters >	0	0	3	2	-
47	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
47	4.15	Pollutant release to public sewer	0	0	0	0	-
48	4.16	List 1 Dangerous Substances	0	0	0	0	-
48	4.17	List 2 Dangerous Substances	0	0	0	0	-
48 >	4.18 >	Pollution Incidents (EA/NRW) >	0	0	0	2	-
48	4.19	Pollution inventory substances	0	0	0	0	-
49	4.20	Pollution inventory waste transfers	0	0	0	0	-
49	4.21	Pollution inventory radioactive waste	0	0	0	0	-
Page	Section	Hydrogeology >	On site	0-50m	50-250m	250-500m	500-2000m
50 >	5.1 >	Superficial aquifer >	Identified (within 500m)				
51 >	5.2 >	Bedrock aquifer >	Identified (within 500m)				
52 >	5.3 >	Groundwater vulnerability >	Identified (within 50m)				
53	5.4	Groundwater vulnerability- soluble rock risk	None (within 0m)				
53	5.5	Groundwater vulnerability- local information	None (within 0m)				
54 >	5.6 >	Groundwater abstractions >	0	0	2	2	19
59 >	5.7 >	Surface water abstractions >	0	0	0	0	6
61	5.8	Potable abstractions	0	0	0	0	0
61	5.9	Source Protection Zones	0	0	0	0	-
62	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-
Page	Section	Hydrology >	On site	0-50m	50-250m	250-500m	500-2000m
63 >	6.1 >	Water Network (OS MasterMap) >	1	5	2	-	-

64 >	6.2 >	Surface water features >	1	3	3	-	-
64 >	6.3 >	WFD Surface water body catchments >	1	-	-	-	-
65 >	6.4 >	WFD Surface water bodies >	0	0	1	-	-
65	6.5	WFD Groundwater bodies	0	-	-	-	-
Page	Section	River and coastal flooding >	On site	0-50m	50-250m	250-500m	500-2000m
66 >	7.1 >	Risk of flooding from rivers and the sea >	Low (within 50m)				
67 >	7.2 >	Historical Flood Events >	1	0	0	-	-
67 >	7.3 >	Flood Defences >	0	1	0	-	-
68 >	7.4 >	Areas Benefiting from Flood Defences >	1	0	1	-	-
68	7.5	Flood Storage Areas	0	0	0	-	-
69 >	7.6 >	Flood Zone 2 >	Identified (within 50m)				
70 >	7.7 >	Flood Zone 3 >	Identified (within 50m)				
Page	Section	Surface water flooding >					
71 >	8.1 >	Surface water flooding >	1 in 30 year, 0.3m - 1.0m (within 50m)				
Page	Section	Groundwater flooding >					
73 >	9.1 >	Groundwater flooding >	High (within 50m)				
Page	Section	Environmental designations >	On site	0-50m	50-250m	250-500m	500-2000m
74 >	10.1 >	Sites of Special Scientific Interest (SSSI) >	0	0	0	2	5
75 >	10.2 >	Conserved wetland sites (Ramsar sites) >	0	0	0	2	3
80	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
80 >	10.4 >	Special Protection Areas (SPA) >	0	0	0	2	4
82	10.5	National Nature Reserves (NNR)	0	0	0	0	0
82	10.6	Local Nature Reserves (LNR)	0	0	0	0	0
83	10.7	Designated Ancient Woodland	0	0	0	0	0
83	10.8	Biosphere Reserves	0	0	0	0	0
83	10.9	Forest Parks	0	0	0	0	0
83 >	10.10 >	Marine Conservation Zones >	0	0	2	0	84
87	10.11	Green Belt	0	0	0	0	0
87	10.12	Proposed Ramsar sites	0	0	0	0	0



87	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
87	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
87	10.15	Nitrate Sensitive Areas	0	0	0	0	0
88 >	10.16 >	<u>Nitrate Vulnerable Zones ></u>	2	0	0	1	0
89 >	10.17 >	<u>SSSI Impact Risk Zones ></u>	3	-	-	-	-
92 >	10.18 >	<u>SSSI Units ></u>	0	0	0	2	6
Page	Section	Visual and cultural designations	On site	0-50m	50-250m	250-500m	500-2000m
100	11.1	World Heritage Sites	0	0	0	-	-
100	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
100	11.3	National Parks	0	0	0	-	-
100	11.4	Listed Buildings	0	0	0	-	-
101	11.5	Conservation Areas	0	0	0	-	-
101	11.6	Scheduled Ancient Monuments	0	0	0	-	-
101	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	<u>Agricultural designations ></u>	On site	0-50m	50-250m	250-500m	500-2000m
102 >	12.1 >	<u>Agricultural Land Classification ></u>	Grade 4 (within 250m)				
103	12.2	Open Access Land	0	0	0	-	-
103	12.3	Tree Felling Licences	0	0	0	-	-
103	12.4	Environmental Stewardship Schemes	0	0	0	-	-
104	12.5	Countryside Stewardship Schemes	0	0	0	-	-
Page	Section	<u>Habitat designations ></u>	On site	0-50m	50-250m	250-500m	500-2000m
105 >	13.1 >	<u>Priority Habitat Inventory ></u>	2	2	2	-	-
106 >	13.2 >	<u>Habitat Networks ></u>	2	0	10	-	-
106 >	13.3 >	<u>Open Mosaic Habitat ></u>	1	1	4	-	-
107	13.4	Limestone Pavement Orders	0	0	0	-	-
Page	Section	<u>Geology 1:10,000 scale ></u>	On site	0-50m	50-250m	250-500m	500-2000m
108 >	14.1 >	<u>10k Availability ></u>	Identified (within 500m)				
109	14.2	Artificial and made ground (10k)	0	0	0	0	-
110	14.3	Superficial geology (10k)	0	0	0	0	-

110	14.4	Landslip (10k)	0	0	0	0	-
111	14.5	Bedrock geology (10k)	0	0	0	0	-
111	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
112 >	15.1 >	50k Availability >	Identified (within 500m)				
113	15.2	Artificial and made ground (50k)	0	0	0	0	-
113	15.3	Artificial ground permeability (50k)	0	0	-	-	-
114 >	15.4 >	Superficial geology (50k) >	1	1	1	2	-
115 >	15.5 >	Superficial permeability (50k) >	Identified (within 50m)				
115	15.6	Landslip (50k)	0	0	0	0	-
115	15.7	Landslip permeability (50k)	None (within 50m)				
116 >	15.8 >	Bedrock geology (50k) >	1	0	0	0	-
117 >	15.9 >	Bedrock permeability (50k) >	Identified (within 50m)				
117	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
118 >	16.1 >	BGS Boreholes >	4	1	54	-	-
Page	Section	Natural ground subsidence >					
121 >	17.1 >	Shrink swell clays >	Low (within 50m)				
122 >	17.2 >	Running sands >	Low (within 50m)				
124 >	17.3 >	Compressible deposits >	High (within 50m)				
125 >	17.4 >	Collapsible deposits >	Low (within 50m)				
126 >	17.5 >	Landslides >	Very low (within 50m)				
127 >	17.6 >	Ground dissolution of soluble rocks >	Negligible (within 50m)				
Page	Section	Mining and ground workings >	On site	0-50m	50-250m	250-500m	500-2000m
129	18.1	BritPits	0	0	0	0	-
130 >	18.2 >	Surface ground workings >	0	1	3	-	-
130	18.3	Underground workings	0	0	0	0	0
130	18.4	Underground mining extents	0	0	0	0	-
130	18.5	Historical Mineral Planning Areas	0	0	0	0	-



131 >	18.6 >	Non-coal mining >	0	0	0	0	1
131	18.7	JPB mining areas	None (within 0m)				
131	18.8	The Coal Authority non-coal mining	0	0	0	0	-
131	18.9	Researched mining	0	0	0	0	-
132	18.10	Mining record office plans	0	0	0	0	-
132	18.11	BGS mine plans	0	0	0	0	-
132	18.12	Coal mining	None (within 0m)				
132	18.13	Brine areas	None (within 0m)				
133	18.14	Gypsum areas	None (within 0m)				
133	18.15	Tin mining	None (within 0m)				
133	18.16	Clay mining	None (within 0m)				
Page	Section	Ground cavities and sinkholes	On site	0-50m	50-250m	250-500m	500-2000m
134	19.1	Natural cavities	0	0	0	0	-
134	19.2	Mining cavities	0	0	0	0	0
134	19.3	Reported recent incidents	0	0	0	0	-
134	19.4	Historical incidents	0	0	0	0	-
135	19.5	National karst database	0	0	0	0	-
Page	Section	Radon >					
136 >	20.1 >	Radon >	Less than 1% (within 0m)				
Page	Section	Soil chemistry >	On site	0-50m	50-250m	250-500m	500-2000m
138 >	21.1 >	BGS Estimated Background Soil Chemistry >	2	5	-	-	-
138	21.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
139	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
140	22.1	Underground railways (London)	0	0	0	-	-
140	22.2	Underground railways (Non-London)	0	0	0	-	-
140	22.3	Railway tunnels	0	0	0	-	-
140	22.4	Historical railway and tunnel features	0	0	0	-	-
140	22.5	Royal Mail tunnels	0	0	0	-	-

141	22.6	Historical railways	0	0	0	-	-
141	22.7	Railways	0	0	0	-	-
141	22.8	Crossrail 1	0	0	0	0	-
141	22.9	Crossrail 2	0	0	0	0	-
141	22.10	HS2	0	0	0	0	-

Recent aerial photograph



Capture Date: 31/05/2021

Site Area: 6.67ha



Recent site history - 2018 aerial photograph



Capture Date: 01/09/2018

Site Area: 6.67ha



Recent site history - 2012 aerial photograph

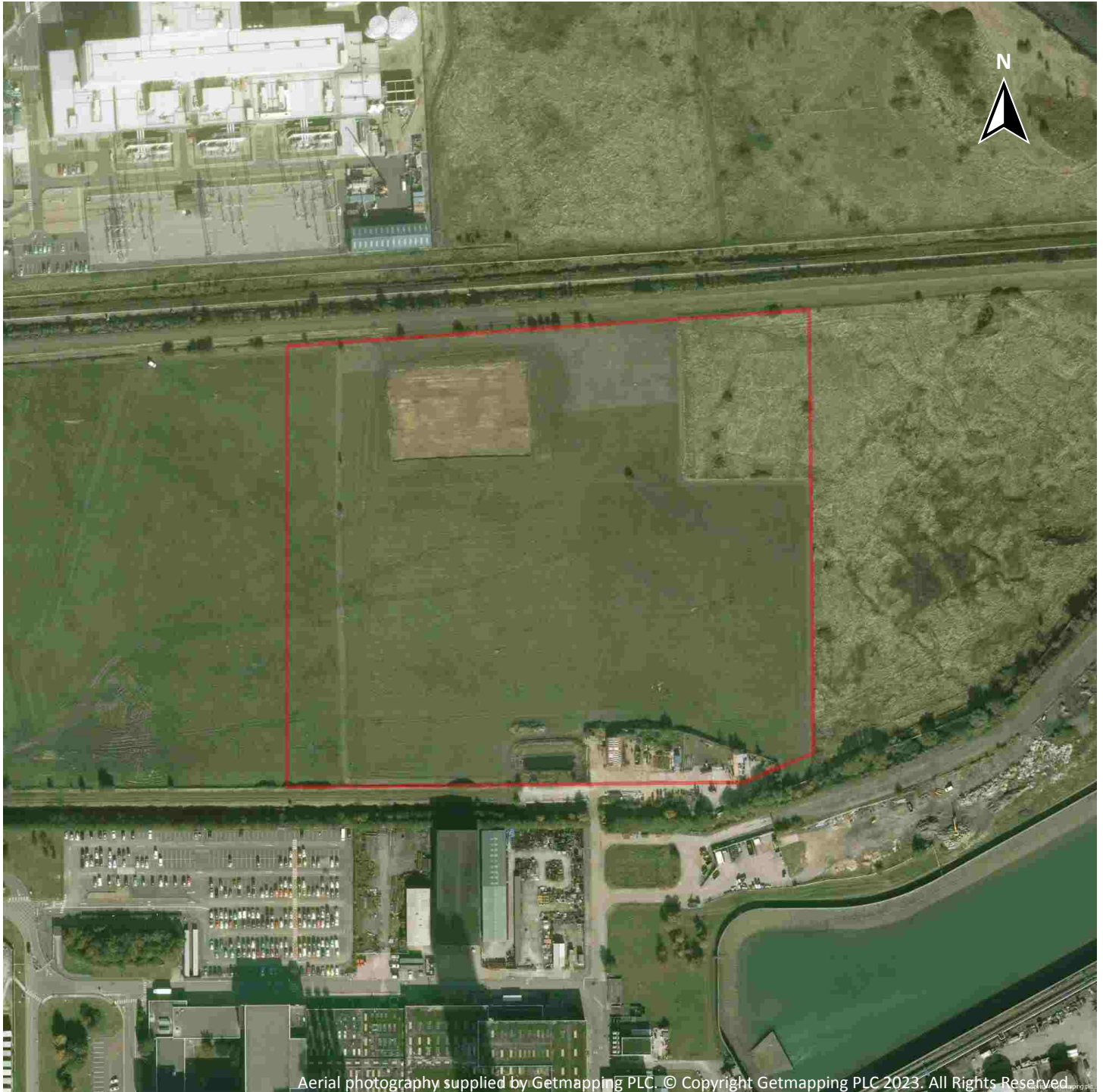


Capture Date: 25/05/2012

Site Area: 6.67ha



Recent site history - 2008 aerial photograph



Capture Date: 09/10/2008

Site Area: 6.67ha



Recent site history - 1999 aerial photograph

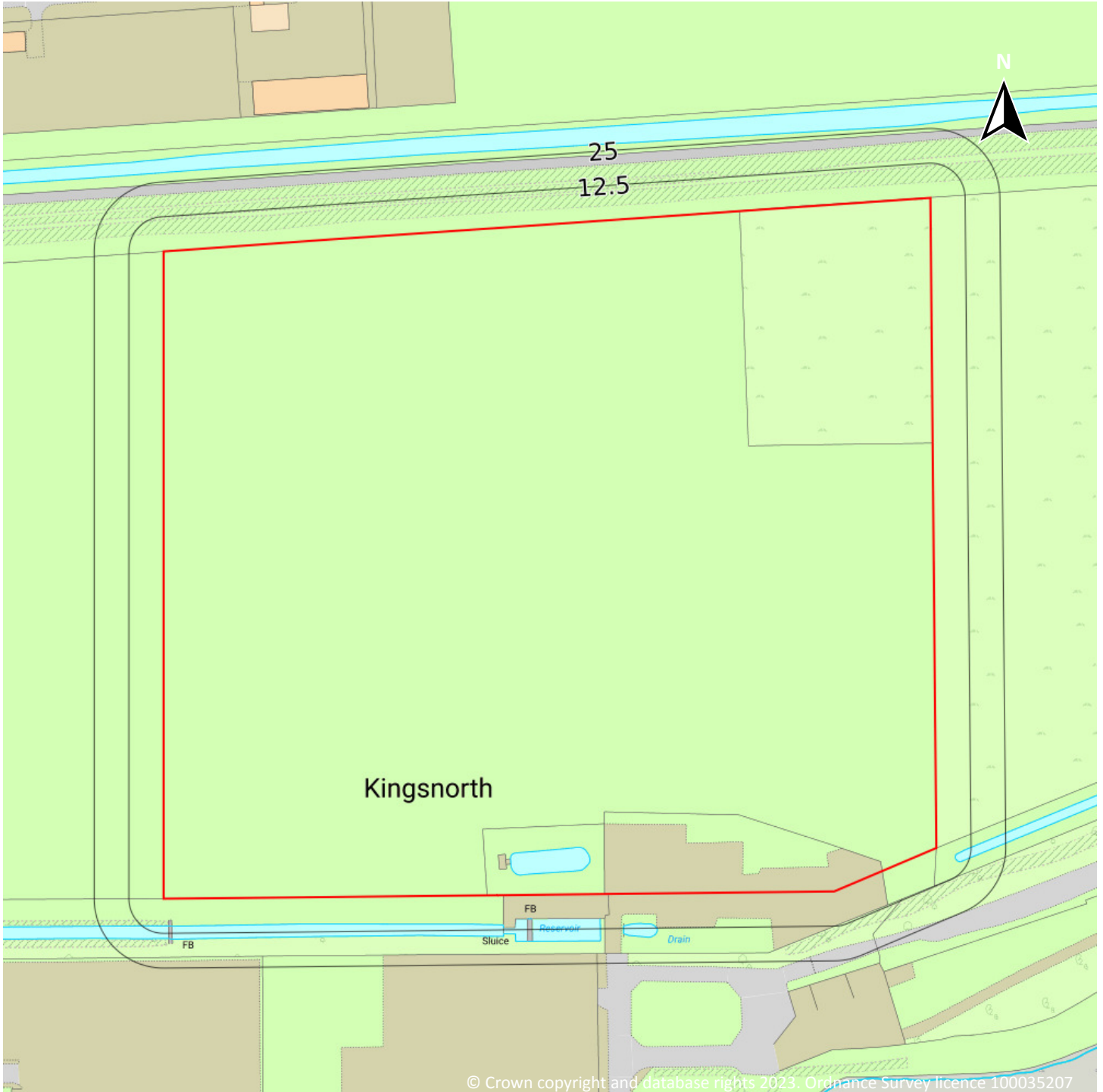


Capture Date: 26/06/1999

Site Area: 6.67ha



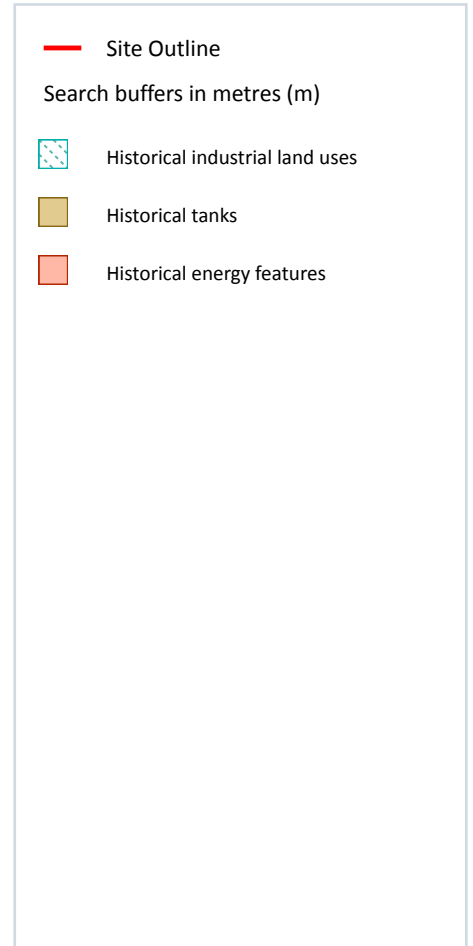
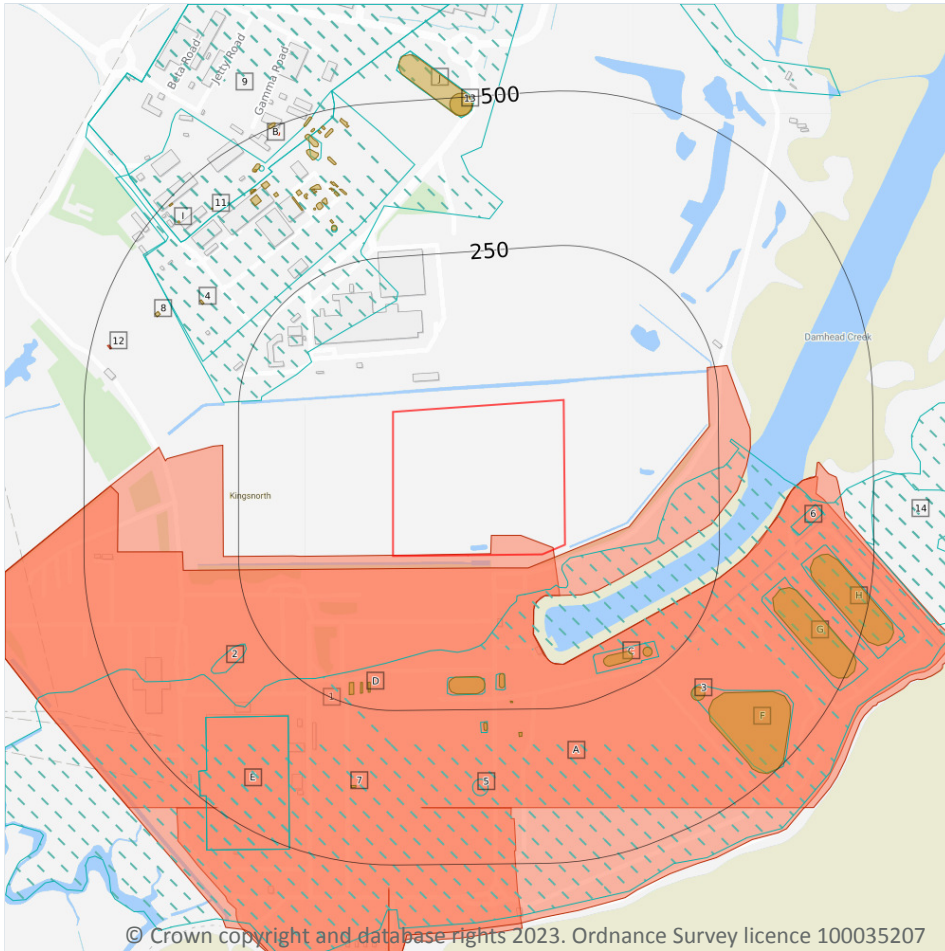
OS MasterMap site plan



Site Area: 6.67ha



1 Past land use



1.1 Historical industrial land uses

Records within 500m

24

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	23m SE	Marshes	1888	2157078

ID	Location	Land use	Dates present	Group ID
B	153m NW	Oil Refinery	1970	2189771
C	182m SE	Unspecified Tanks	1970 - 1992	2220406
A	192m S	Unspecified Tanks	1970 - 1992	2290888
A	197m S	Unspecified Tanks	1970 - 1992	2217623
B	264m NW	Oil Refinery	1992	2240804
A	269m S	Unspecified Tanks	1970	2144260
2	279m SW	Unspecified Heap	1888	2137208
B	306m NW	Filter Bed	1970	2131380
B	306m NW	Unspecified Tank	1992	2155802
E	309m SW	Power Station	1992	2151642
E	309m SW	Pumping Station	1970	2151782
F	311m SE	Unspecified Tanks	1992	2144262
G	331m E	Unspecified Tanks	1970 - 1992	2263667
5	363m S	Chimney	1970 - 1992	2190172
6	366m E	Filter Beds	1970 - 1992	2231620
H	383m E	Unspecified Tanks	1970 - 1992	2201650
B	424m NW	Oil Tanks	1992	2142594
9	427m NW	Unspecified Works	1955	2160102
10	427m NW	Railway Sidings	1955 - 1970	2239298
B	444m NW	Oil Tank	1992	2151971
J	467m N	Oil Tanks	1970	2142597
J	467m N	Unspecified Tanks	1992	2144258
14	487m E	Unspecified Pit	1970	2126281

This data is sourced from Ordnance Survey / Groundsure.



1.2 Historical tanks

Records within 500m

55

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
A	192m S	Tanks	1968 - 1985	407672
C	193m SE	Tanks	1968 - 1985	405650
A	196m S	Tanks	1968 - 1985	387538
D	208m SW	Tanks	1985	378081
D	211m SW	Tanks	1985	378082
C	211m SE	Unspecified Tank	1985	369487
D	214m SW	Tanks	1985	378079
A	237m S	Unspecified Tank	1985	369485
A	271m S	Tanks	1968 - 1985	406526
A	288m S	Tanks	1985	377842
B	309m NW	Unspecified Tank	1968 - 1985	383690
3	312m SE	Unspecified Tank	1985	369486
B	320m NW	Unspecified Tank	1968 - 1985	403919
G	347m E	Tanks	1968 - 1985	396409
F	347m SE	Tanks	1985	377843
B	348m NW	Tanks	1985	378076
B	350m NW	Unspecified Tank	1985	369506
4	353m NW	Unspecified Tank	1968 - 1985	391572
B	353m NW	Tanks	1985	378077
B	358m NW	Tanks	1985	378071
B	360m NW	Tanks	1985	378083



ID	Location	Land use	Dates present	Group ID
B	360m NW	Tanks	1985	378078
B	370m NW	Unspecified Tank	1985	383384
B	372m NW	Tanks	1985	378072
B	373m NW	Unspecified Tank	1988 - 1989	389751
B	375m NW	Tanks	1988 - 1989	404249
B	376m NW	Tanks	1985	378075
7	376m S	Unspecified Tank	1985	369510
B	379m NW	Tanks	1988 - 1989	381263
B	380m NW	Tanks	1985	394960
B	382m NW	Tanks	1985	378073
B	396m NW	Tanks	1985	378074
H	399m E	Tanks	1968 - 1985	389365
B	401m NW	Tanks	1968	378111
8	408m NW	Unspecified Tank	1968 - 1985	404238
B	411m NW	Tanks	1988 - 1989	409756
B	416m NW	Tanks	1988 - 1989	404116
B	421m NW	Tanks	1985	378112
B	422m NW	Unspecified Tank	1968	369507
B	428m NW	Tanks	1988 - 1989	391553
11	439m NW	Unspecified Tank	1968	369508
B	446m NW	Tanks	1988 - 1989	381270
B	447m NW	Unspecified Tank	1968	369509
B	448m NW	Tanks	1988 - 1989	397345
B	457m NW	Tanks	1988 - 1989	401816
I	462m NW	Unspecified Tank	1985	369499
B	466m NW	Tanks	1988 - 1989	406836
B	466m N	Tanks	1988 - 1989	385585
B	470m NW	Tanks	1988 - 1989	394026



ID	Location	Land use	Dates present	Group ID
J	470m N	Tanks	1988	393746
13	471m N	Tanks	1968	390508
B	471m NW	Tanks	1988 - 1989	391870
B	483m NW	Tanks	1988 - 1989	402971
I	490m NW	Unspecified Tank	1985	369502
K	499m NW	Tanks	1988 - 1989	403422

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m

4

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
1	On site	Power Station	1985 - 1989	289608
A	12m SE	Power Station	1968	287980
12	467m W	Electricity Substation	1985	247458
K	484m NW	Electricity Substation	1988 - 1989	266112

This data is sourced from Ordnance Survey / Groundsure.

1.4 Historical petrol stations

Records within 500m

0

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

This data is sourced from Ordnance Survey / Groundsure.



1.5 Historical garages

Records within 500m

0

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

This data is sourced from Ordnance Survey / Groundsure.

1.6 Historical military land

Records within 500m

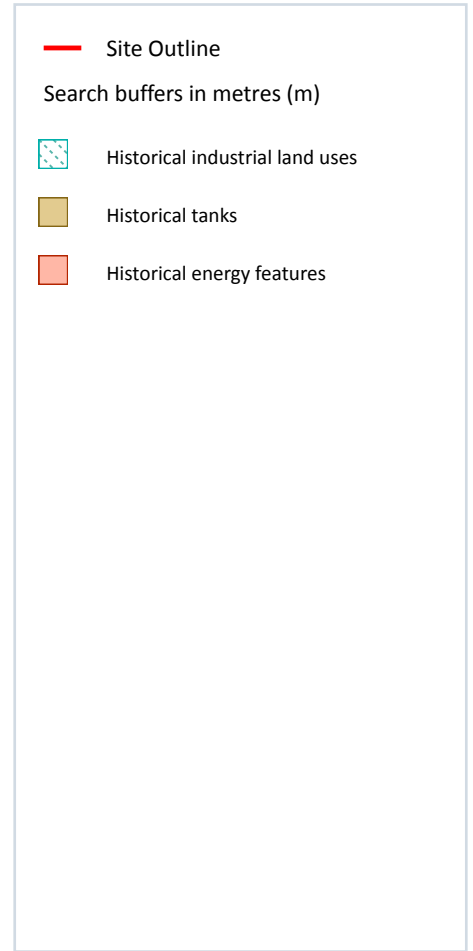
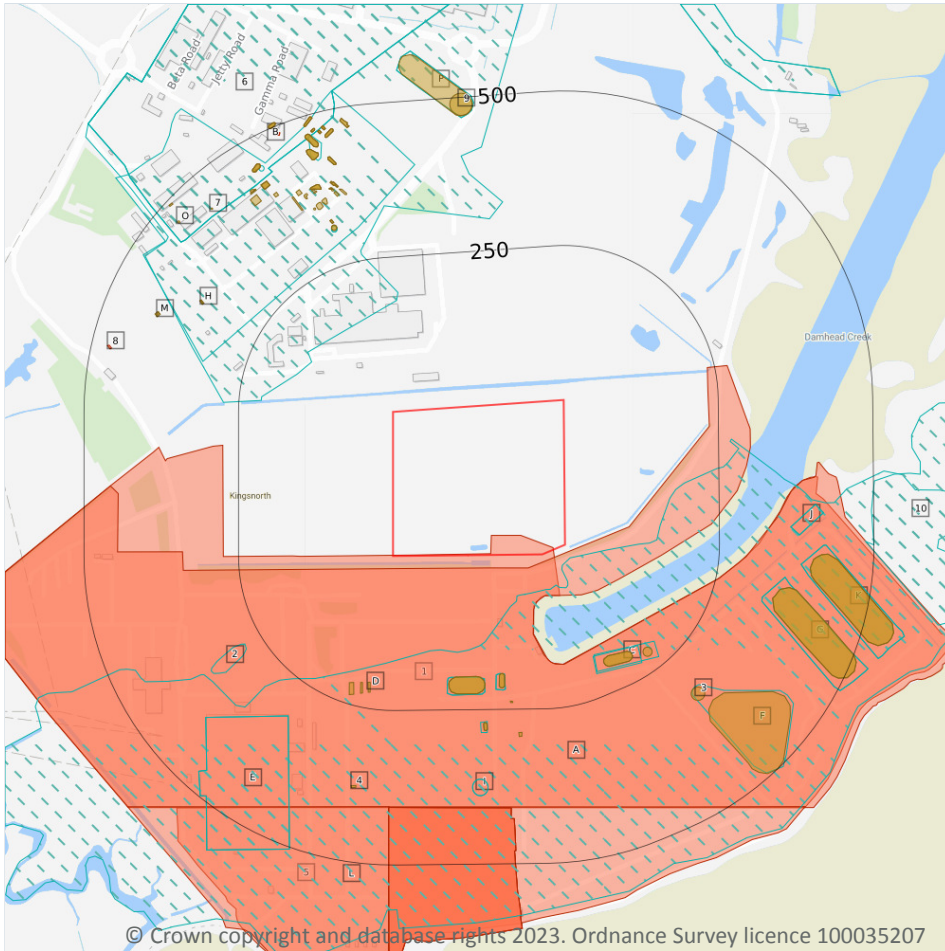
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Areas of military land digitised from multiple sources including the National Archives, local records, MOD records and verified other sources, intelligently grouped into contiguous features.

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



2 Past land use - un-grouped



2.1 Historical industrial land uses

Records within 500m

32

Potentially contaminative land use features digitised from historical Ordnance Survey mapping at 1:10,000 and 10,560 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on [page 21](#) >

ID	Location	Land Use	Date	Group ID
A	23m SE	Marshes	1888	2157078
B	153m NW	Oil Refinery	1970	2189771
C	182m SE	Unspecified Tanks	1992	2220406

ID	Location	Land Use	Date	Group ID
C	184m SE	Unspecified Tanks	1970	2220406
A	192m S	Unspecified Tanks	1992	2290888
A	192m S	Unspecified Tanks	1970	2290888
A	197m S	Unspecified Tanks	1992	2217623
A	197m S	Unspecified Tanks	1970	2217623
B	264m NW	Oil Refinery	1992	2240804
A	269m S	Unspecified Tanks	1970	2144260
2	279m SW	Unspecified Heap	1888	2137208
B	306m NW	Filter Bed	1970	2131380
B	306m NW	Unspecified Tank	1992	2155802
E	309m SW	Power Station	1992	2151642
E	309m SW	Pumping Station	1970	2151782
F	311m SE	Unspecified Tanks	1992	2144262
G	331m E	Unspecified Tanks	1992	2263667
G	331m E	Unspecified Tanks	1970	2263667
I	363m S	Chimney	1992	2190172
I	363m S	Chimney	1970	2190172
J	366m E	Filter Beds	1992	2231620
J	366m E	Filter Beds	1970	2231620
K	383m E	Unspecified Tanks	1992	2201650
K	383m E	Unspecified Tanks	1970	2201650
B	424m NW	Oil Tanks	1992	2142594
6	427m NW	Unspecified Works	1955	2160102
N	427m NW	Railway Sidings	1955	2239298
N	427m NW	Railway Sidings	1970	2239298
B	444m NW	Oil Tank	1992	2151971
P	467m N	Unspecified Tanks	1992	2144258
P	467m N	Oil Tanks	1970	2142597



ID	Location	Land Use	Date	Group ID
10	487m E	Unspecified Pit	1970	2126281

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m	94
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Tank features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on [page 21 >](#)

ID	Location	Land Use	Date	Group ID
A	192m S	Tanks	1968	407672
A	192m S	Tanks	1985	407672
C	193m SE	Tanks	1968	405650
C	193m SE	Tanks	1985	405650
A	196m S	Tanks	1968	387538
A	196m S	Tanks	1985	387538
D	208m SW	Tanks	1985	378081
D	211m SW	Tanks	1985	378082
C	211m SE	Unspecified Tank	1985	369487
D	214m SW	Tanks	1985	378079
A	237m S	Unspecified Tank	1985	369485
A	271m S	Tanks	1968	406526
A	271m S	Tanks	1985	406526
A	288m S	Tanks	1985	377842
B	309m NW	Unspecified Tank	1968	383690
B	309m NW	Unspecified Tank	1985	383690
3	312m SE	Unspecified Tank	1985	369486
B	320m NW	Unspecified Tank	1968	403919
B	320m NW	Unspecified Tank	1985	403919



ID	Location	Land Use	Date	Group ID
G	347m E	Tanks	1968	396409
G	347m E	Tanks	1985	396409
F	347m SE	Tanks	1985	377843
B	348m NW	Tanks	1985	378076
B	350m NW	Unspecified Tank	1985	369506
H	353m NW	Unspecified Tank	1968	391572
B	353m NW	Tanks	1985	378077
H	355m NW	Unspecified Tank	1985	391572
B	358m NW	Tanks	1985	378071
B	360m NW	Tanks	1985	378083
B	360m NW	Tanks	1985	378078
B	370m NW	Unspecified Tank	1985	383384
B	372m NW	Tanks	1985	378072
B	373m NW	Unspecified Tank	1988	389751
B	373m NW	Unspecified Tank	1988	389751
B	373m NW	Unspecified Tank	1989	389751
B	375m NW	Tanks	1988	404249
B	375m NW	Tanks	1988	404249
B	375m NW	Tanks	1989	404249
B	376m NW	Tanks	1985	378075
4	376m S	Unspecified Tank	1985	369510
B	379m NW	Tanks	1988	381263
B	379m NW	Tanks	1988	381263
B	379m NW	Tanks	1989	381263
B	380m NW	Tanks	1985	394960
B	382m NW	Tanks	1985	378073
B	396m NW	Tanks	1985	378074
K	399m E	Tanks	1968	389365



ID	Location	Land Use	Date	Group ID
K	399m E	Tanks	1985	389365
B	401m NW	Tanks	1968	378111
M	408m NW	Unspecified Tank	1968	404238
M	411m NW	Unspecified Tank	1985	404238
B	411m NW	Tanks	1988	409756
B	411m NW	Tanks	1988	409756
B	411m NW	Tanks	1989	409756
B	416m NW	Tanks	1988	404116
B	416m NW	Tanks	1988	404116
B	416m NW	Tanks	1989	404116
B	421m NW	Tanks	1985	378112
B	422m NW	Unspecified Tank	1968	369507
B	428m NW	Tanks	1988	391553
B	428m NW	Tanks	1988	391553
B	428m NW	Tanks	1989	391553
7	439m NW	Unspecified Tank	1968	369508
B	446m NW	Tanks	1988	381270
B	446m NW	Tanks	1988	381270
B	446m NW	Tanks	1989	381270
B	447m NW	Unspecified Tank	1968	369509
B	448m NW	Tanks	1988	397345
B	448m NW	Tanks	1988	397345
B	448m NW	Tanks	1989	397345
B	457m NW	Tanks	1988	401816
B	457m NW	Tanks	1988	401816
B	457m NW	Tanks	1989	401816
O	462m NW	Unspecified Tank	1985	369499
B	466m NW	Tanks	1988	406836



ID	Location	Land Use	Date	Group ID
B	466m NW	Tanks	1988	406836
B	466m NW	Tanks	1989	406836
B	466m N	Tanks	1988	385585
B	466m N	Tanks	1989	385585
B	470m NW	Tanks	1988	394026
B	470m NW	Tanks	1988	394026
B	470m NW	Tanks	1989	394026
P	470m N	Tanks	1988	393746
9	471m N	Tanks	1968	390508
B	471m NW	Tanks	1988	391870
B	471m NW	Tanks	1988	391870
B	471m NW	Tanks	1989	391870
B	483m NW	Tanks	1988	402971
B	483m NW	Tanks	1988	402971
B	483m NW	Tanks	1989	402971
O	490m NW	Unspecified Tank	1985	369502
Q	499m NW	Tanks	1988	403422
Q	499m NW	Tanks	1988	403422
Q	499m NW	Tanks	1989	403422

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m	12
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Energy features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on [page 21 >](#)

ID	Location	Land Use	Date	Group ID
1	On site	Power Station	1985	289608



ID	Location	Land Use	Date	Group ID
A	12m SE	Power Station	1968	287980
5	406m S	Power Station	1987	289608
L	406m S	Power Station	1968	287980
L	407m S	Power Station	1989	289608
L	407m S	Power Station	1989	289608
L	407m S	Power Station	1987	289608
L	407m S	Power Station	1987	289608
8	467m W	Electricity Substation	1985	247458
Q	484m NW	Electricity Substation	1988	266112
Q	484m NW	Electricity Substation	1988	266112
Q	484m NW	Electricity Substation	1989	266112

This data is sourced from Ordnance Survey / Groundsure.

2.4 Historical petrol stations

Records within 500m

0

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

This data is sourced from Ordnance Survey / Groundsure.

2.5 Historical garages

Records within 500m

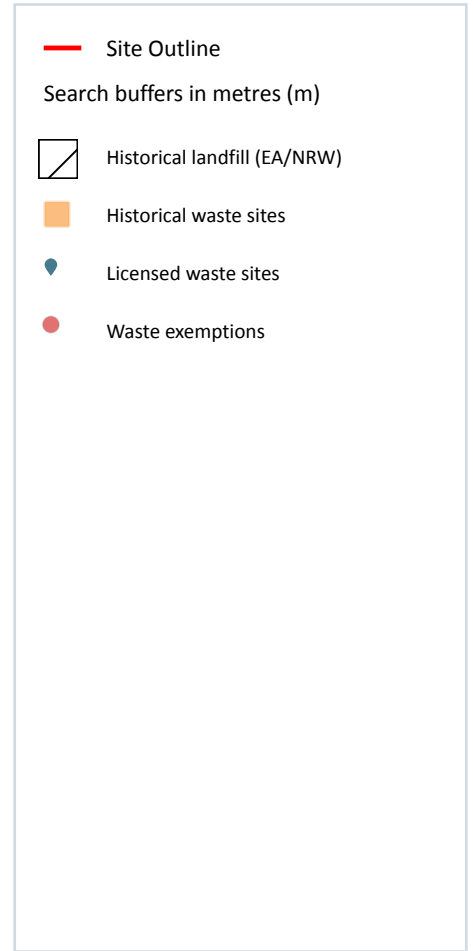
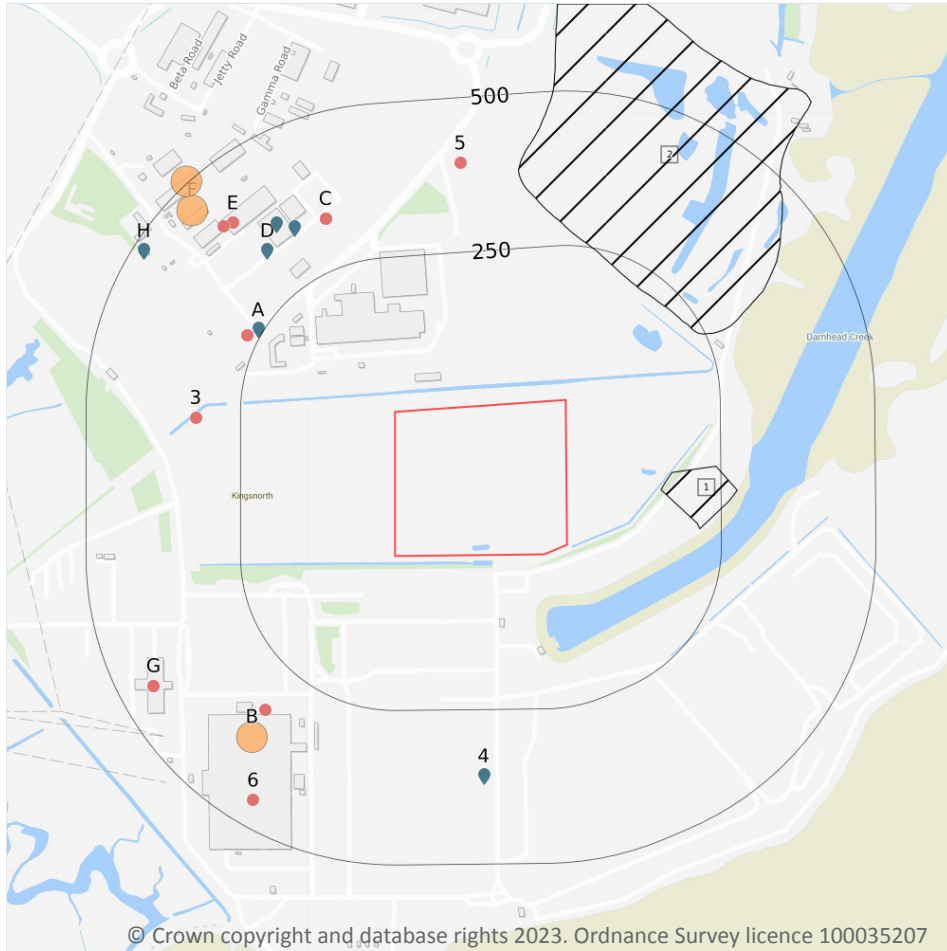
0

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

This data is sourced from Ordnance Survey / Groundsure.



3 Waste and landfill



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

2

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

Features are displayed on the Waste and landfill map on [page 28 >](#)

ID	Location	Details		
1	152m E	Site Address: Kingsnorth Power Station, Kingsnorth, Kent Licence Holder Address: -	Waste Licence: Yes Site Reference: P/03/6C, 21EB Waste Type: - Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 14/06/1977 Licence Surrender: 30/04/1993	Operator: Central Electricity Generating Board Licence Holder: Central Electricity Generating Board First Recorded 31/12/1964 Last Recorded: 31/12/1990
2	215m NE	Site Address: Kingsnorth, Rochester, Kent Licence Holder Address: -	Waste Licence: Yes Site Reference: 21DY, P/03/10 Waste Type: Inert Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 28/04/1978 Licence Surrender: -	Operator: British Oil and Minerals Licence Holder: Bristol Oil First Recorded 31/12/1978 Last Recorded: 31/12/1990

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

3.5 Historical waste sites

Records within 500m

3

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

Features are displayed on the Waste and landfill map on [page 28 >](#)

ID	Location	Address	Further Details	Date
B	348m SW	Site Address: Kingsnorth Power Station, Hoo St Werburgh, ROCHESTER, Kent, ME1	<p>Type of Site: Recycling & Power Station</p> <p>Planning application reference: ME/96/0727</p> <p>Description: Material recycling facility building of 6,440 sqm and a Energy from Waste Power Station comprising tipping hall of 2,000 sqm, refuse building of 1840 sqm with over head cranes,boiler house of 2,100 sqm to enclose the twin combustion lines and a turbine building of 680 sqm, 2 fabric filter building of 236 sqm each and 110m high chimney and residues storage building of 160 sqm. Material recycling facility building of 6,440 sqm and a Energy from Waste Power Station comprising tipping hall of 2,000 sqm, ref use building of 1840 sqm with over head cranes,boiler house of 2,100 sqm to enclose the twin combustion lines and a turbine building of 680 sqm, 2 fabric filter building of 236 sqm each and 110m high chimney and residues storage building of 160 sqm. NE W</p> <p>INFORMATION: No objections have been raised by Rochester upon Medway Borough Council. An application (ref: ME/96/0727) for detailed planning permission was withdrawn from Medway C.C.</p> <p>Data source: Historic Planning Application</p> <p>Data Type: Point</p>	-
F	437m NW	Site Address: 212 & 213,Kingsnorth Works, Hoo, ROCHESTER, Kent, ME3 9NZ	<p>Type of Site: Waste Transfer Station</p> <p>Planning application reference: MC/09/2146</p> <p>Description: Scheme comprises change of use of site to "sui generis" waste use together with the installation of closed conveyor belt and walkway linking units; bio filter; leachate cylindrical tank; weigh bridge and increase in height of front of Unit 212 to match remainder of building. Construction - metal cladding roof. An application (ref: MC/09/2146) for detailed planning permission was granted by Medway C.C. A detailed planning application has been granted.</p> <p>Data source: Historic Planning Application</p> <p>Data Type: Point</p>	13/07/2010
F	478m NW	Site Address: Unit 139, Kingsnorth Ind Estate, Hoo St Werburgh, ROCHESTER, Kent, ME3 9ND	<p>Type of Site: Waste Oil Storage Tanks</p> <p>Planning application reference: ME/96/0491</p> <p>Description: An application (ref: ME/96/0491) for Detailed Planning permission was submitted to Medway C.C. on 9th July 1997.</p> <p>Data source: Historic Planning Application</p> <p>Data Type: Point</p>	-

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



3.6 Licensed waste sites

Records within 500m

7

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

 Features are displayed on the Waste and landfill map on [page 28 >](#)

ID	Location	Details		
A	258m NW	Site Name: Darnet Yard Site Address: Parkes Utilities Surfacing Ltd, Darnet Yard, Kingsnorth Works, Hoo, ME39NZ Correspondence Address: -	Type of Site: Inert & excavation Waste TS + treatment Size: Unknown Environmental Permitting Regulations (Waste) Licence Number: - EPR reference: EA/EPR/WE4758AB/A001 Operator: Parkes Utilities Surfacing Ltd Waste Management licence No: 120603 Annual Tonnage: -	Issue Date: 31/05/2022 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
D	332m NW	Site Name: M T S Cleansing Services Ltd Site Address: Units 212 & 213, Kingsnorth Ind Est, Hoo, Rochester, Kent, ME3 9NZ Correspondence Address: -	Type of Site: Biological Treatment Facility Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: MTS012 EPR reference: FP3299LM/A001 Operator: M T S Cleansing Services Ltd Waste Management licence No: 101293 Annual Tonnage: 0	Issue Date: 02/03/2010 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
D	338m NW	Site Name: Composting Facilities Services Ltd Site Address: 212, Kingsnorth Ind Est, Hoo, Rochester, Kent, ME3 9NZ Correspondence Address: -	Type of Site: Biological Treatment Facility Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: COM162 EPR reference: EA/EPR/KP3494VZ/V004 Operator: Composting Facilities Services Ltd Waste Management licence No: 101293 Annual Tonnage: 74999	Issue Date: 02/03/2010 Effective Date: 28/07/2010 Modified: 29/09/2016 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified



ID	Location	Details		
D	357m NW	Site Name: Composting Facilities Services Ltd Site Address: Composting Facilities Services Limited, 212 Kingsnorth Ind Est, Kingsnorth Ind Est, Hoo, Rochester, Kent, ME3 9NZ Correspondence Address: -	Type of Site: Biological Treatment Facility Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 633886 EPR reference: EA/EPR/KP3494VZ Operator: Composting Facilities Services Limited Waste Management licence No: 101293 Annual Tonnage: 74999	Issue Date: 02/03/2010 Effective Date: 02/03/2010 Modified: 02/03/2010 Surrendered Date: - Expiry Date: - Cancelled Date: 02/03/2010 Status: Issued
4	358m S	Site Name: Kingsnorth Power Station EPR/HP3430RV Site Address: Uniper Uk Limited, PO Box 15, Hoo, Kent, ME3 9LD Correspondence Address: -	Type of Site: Industrial Waste Landfill (Factory curtilage) Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 650517 EPR reference: EA/EPR/HP3430RV Operator: Uniper Uk Limited Waste Management licence No: 403084 Annual Tonnage: 75000	Issue Date: 27/07/2020 Effective Date: 27/07/2020 Modified: 27/07/2020 Surrendered Date: - Expiry Date: - Cancelled Date: 27/07/2020 Status: Issued
H	482m NW	Site Name: M T S Cleansing Services Ltd Site Address: Kingsnorth Works, Hoo, Rochester, Kent, ME3 9NZ Correspondence Address: -	Type of Site: Composting Facility Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: MTS001 EPR reference: EA/EPR/DP3893LS/S003 Operator: M T S Cleansing Services Ltd Waste Management licence No: 100781 Annual Tonnage: 0	Issue Date: 21/05/2009 Effective Date: - Modified: 02/09/2009 Surrendered Date: Jul 13 2010 12:00AM Expiry Date: - Cancelled Date: - Status: Surrendered
H	482m NW	Site Name: M T S Cleansing Services Ltd Site Address: M T S Cleansing Services Limited, Kingsnorth Works, Hoo, Rochester, Kent, ME3 9NZ Correspondence Address: -	Type of Site: Composting Facility Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 644132 EPR reference: EA/EPR/DP3893LS Operator: M T S Cleansing Services Limited Waste Management licence No: 100781 Annual Tonnage: 0	Issue Date: 21/05/2009 Effective Date: 21/05/2009 Modified: - Surrendered Date: 21/05/2009 Expiry Date: - Cancelled Date: 21/05/2009 Status: Surrendered



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

3.7 Waste exemptions

Records within 500m

19

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 28 >](#)

ID	Location	Site	Reference	Category	Sub-Category	Description
A	270m NW	adjacent to Damhead creek power station, kingsnorth	WEX268139	Treating waste exemption	Not on a farm	Screening and blending of waste
A	270m NW	adjacent to Damhead creek power station, kingsnorth	WEX268139	Using waste exemption	Not on a farm	Use of waste in construction
3	323m W	-	WEX277636	Disposing of waste exemption	Not on a farm	Deposit of waste from dredging of inland waters
B	326m SW	Scottish Power Generation UK Kingsnorth ROCHESTER Kent ME3 9TX	EPR/TF0703N H/A001	Treating waste exemption	Non-Agricultural Waste Only	Crushing waste fluorescent tubes
C	332m NW	17 KINGS NORTH INDUSTRIAL ESTATE NEAR ROCHESTER KENT ME3 9ND	EPR/VE5287A K/A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of waste in secure containers
C	332m NW	17 KINGS NORTH INDUSTRIAL ESTATE NEAR ROCHESTER KENT ME3 9ND	EPR/VE5287A K/A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of waste in a secure place
C	332m NW	17 KINGS NORTH INDUSTRIAL ESTATE NEAR ROCHESTER KENT ME3 9ND	EPR/VE5287A K/A001	Treating waste exemption	Non-Agricultural Waste Only	Cleaning, washing, spraying or coating relevant waste
C	332m NW	17 KINGS NORTH INDUSTRIAL ESTATE NEAR ROCHESTER KENT ME3 9ND	EPR/VE5287A K/A001	Treating waste exemption	Non-Agricultural Waste Only	Manual treatment of waste
C	332m NW	17 KINGS NORTH INDUSTRIAL ESTATE NEAR ROCHESTER KENT ME3 9ND	EPR/VE5287A K/A001	Treating waste exemption	Non-Agricultural Waste Only	Treatment of waste toner cartridges by sorting, dismantling, cleaning or refilling

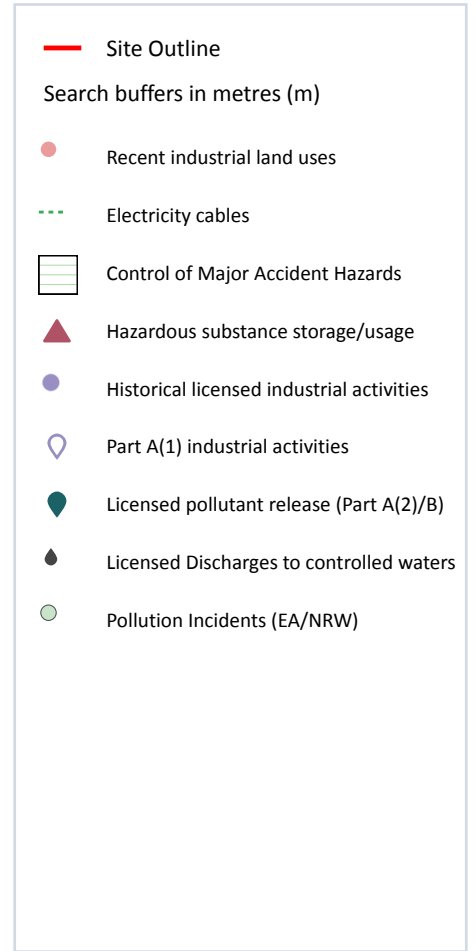
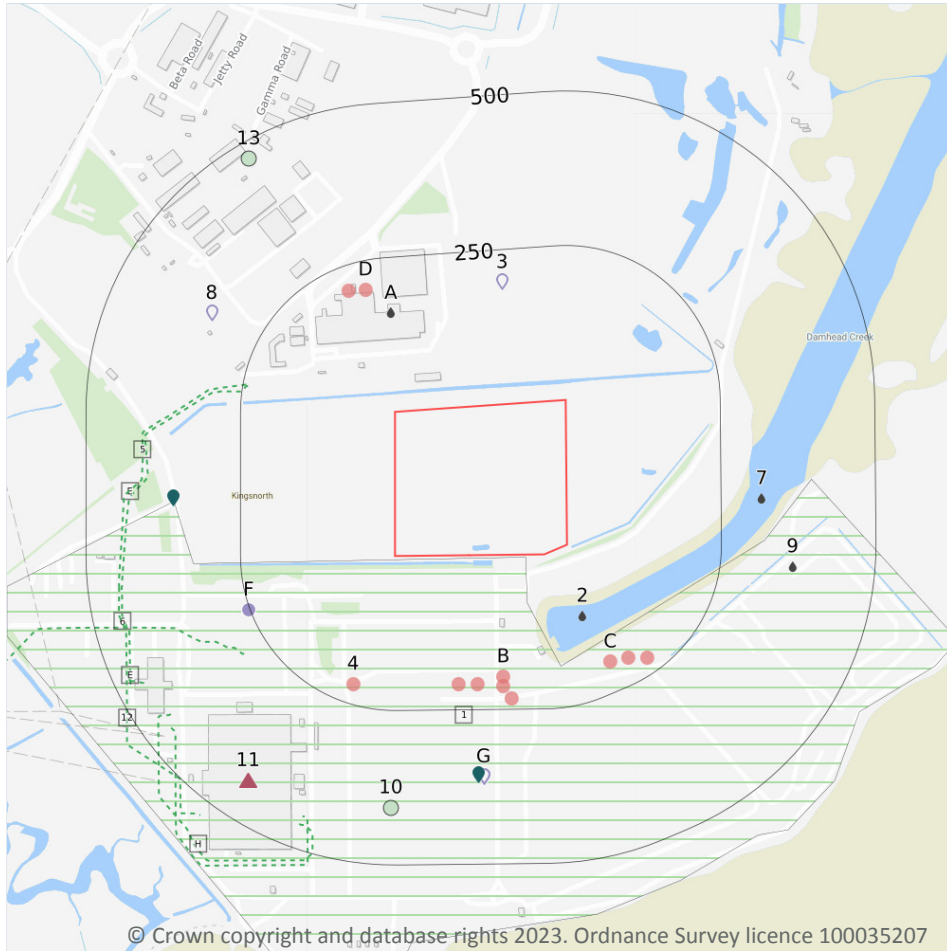


ID	Location	Site	Reference	Category	Sub-Category	Description
C	332m NW	17 KINGS NORTH INDUSTRIAL ESTATE NEAR ROCHESTER KENT ME3 9ND	EPR/VE5287A K/A001	Treating waste exemption	Non-Agricultural Waste Only	Preparatory treatments (baling, sorting, shredding etc)
C	332m NW	17 KINGS NORTH INDUSTRIAL ESTATE NEAR ROCHESTER KENT ME3 9ND	EPR/VE5287A K/A001	Treating waste exemption	Non-Agricultural Waste Only	Recovery of scrap metal
5	394m N	-	WEX221717	Treating waste exemption	Not on a farm	Screening and blending of waste
E	403m NW	212 Kingsnorth Industrial Estate, Hoo, Rochester, ME3 9NZ	WEX335371	Storing waste exemption	Not on a farm	Storage of waste in secure containers
E	403m NW	212 Kingsnorth Industrial Estate, Hoo, Rochester, ME3 9NZ	WEX335371	Storing waste exemption	Not on a farm	Storage of waste in a secure place
E	408m NW	-	WEX346584	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
G	444m SW	Kingsnorth & Grain Power Stations ROCHESTER Kent ME3 9NQ	EPR/TH0076D L/A001	Treating waste exemption	Non-Agricultural Waste Only	Screening and blending of waste
G	444m SW	SEESA Kingsnorth Power Station ROCHESTER Kent me3 9nq	EPR/SF0409BL /A001	Treating waste exemption	Non-Agricultural Waste Only	Treatment of waste aerosol cans
G	444m SW	Kingsnorth & Grain Power Stations ROCHESTER Kent ME3 9NQ	EPR/NF0509M F/A001	Using waste exemption	Both agricultural and non-agricultural waste	Use of mulch
6	458m SW	Kingsnorth & Grain Power Stations ROCHESTER Kent ME3 9NQ	EPR/CE5645NS /A001	Using waste exemption	Non-Agricultural Waste Only	Spreading waste on non-agricultural land to confer benefit

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



4 Current industrial land use



4.1 Recent industrial land uses

Records within 250m **11**

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on [page 35](#) >

ID	Location	Company	Address	Activity	Category
B	197m S	Tank	Kent, ME9	Tanks (Generic)	Industrial Features
C	201m SE	Tank	Kent, ME9	Tanks (Generic)	Industrial Features
D	204m NW	Chimney	Kent, ME3	Chimneys	Industrial Features
C	208m SE	Tank	Kent, ME9	Tanks (Generic)	Industrial Features

ID	Location	Company	Address	Activity	Category
B	209m S	Tank	Kent, ME9	Tanks (Generic)	Industrial Features
B	209m S	Tank	Kent, ME9	Tanks (Generic)	Industrial Features
D	210m NW	Chimney	Kent, ME3	Chimneys	Industrial Features
B	212m S	Tank	Kent, ME9	Tanks (Generic)	Industrial Features
4	218m SW	Tank	Kent, ME9	Tanks (Generic)	Industrial Features
C	224m SE	Tank	Kent, ME9	Tanks (Generic)	Industrial Features
B	233m S	Tank	Kent, ME9	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

6

High voltage underground electricity transmission cables.

Features are displayed on the Current industrial land use map on [page 35 >](#)

ID	Location	Cable Set	Cable Route	Details	
E	241m W	-	-	Cable Make: - Cable Type: PILOT Operating Voltage (kV): -	Year of installation: Not specified Cable in tunnel? Not specified
5	244m W	DAMC4 KINO4 CABLE SECT 01	DAMHEAD CREEK - KINGSNORTH	Cable Make: BICC 400KV (PP) Cable Type: A/C Operating Voltage (kV): 400	Year of installation: 1999 Cable in tunnel? Not specified
6	290m SW	DECOMMISSIONED DC CABLE SECT 01	KINGSNORTH - BEDDINGTON	Cable Make: - Cable Type: A/C Operating Voltage (kV): 400	Year of installation: Not specified Cable in tunnel? Not specified
H	443m SW	GRAIN 400kV CABLE 2	KINGSNORTH 400KV S/S	Cable Make: PIRELLI 400KV Cable Type: A/C Operating Voltage (kV): 400	Year of installation: 2009 Cable in tunnel? Not specified



ID	Location	Cable Set	Cable Route	Details	
H	445m SW	GRAIN 400KV CABLE 1	KINGSNORTH 400KV S/S	Cable Make: BICC OIL FILLE Cable Type: A/C Operating Voltage (kV): 400	Year of installation: 1975 Cable in tunnel? Not specified
12	449m W	DAMC4 KINO4 CABLE SECT 02	DAMHEAD CREEK - KINGSNORTH	Cable Make: BICC 400KV (PP Cable Type: A/C Operating Voltage (kV): 400	Year of installation: 1999 Cable in tunnel? Not specified

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

1

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.

Features are displayed on the Current industrial land use map on [page 35 >](#)

ID	Location	Company	Address	Operational status	Tier
1	4m SE	E.On Uk Chp Limited	E.On Uk Chp Limited, Kingsnorth Power Station, Hoo St Werburgh, Rochester, Kent, ME3 9LD	Historical COMAH Site	-

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

1

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.

Features are displayed on the Current industrial land use map on [page 35 >](#)

ID	Location	Details	
11	433m SW	Application reference number: MC/10/3381 Application status: Approved Application date: 10/09/2010 Address: E.ON UK Ltd, Kingsnorth Power Station, Hoo St Werburgh, Rochester, Kent, England, ME3 9LD	Details: Storage of gas oil. Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified

This data is sourced from Local Authority records.

4.9 Historical licensed industrial activities (IPC)

Records within 500m

15

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.

Features are displayed on the Current industrial land use map on [page 35 >](#)

ID	Location	Details	
F	252m SW	Operator: E.ON UK Plc Address: Kingsnorth Power Station, Hoo St Werburgh, Rochester, Kent, ME3 9LY Process: Combustion Processes Permit Number: AA3000	Original Permit Number: IPCAIRAPP Date Approved: 8-4-1993 Effective Date: 8-4-1993 Status: Superseded By Variation
F	252m SW	Operator: E.ON UK Plc Address: Kingsnorth Power Station, Hoo St Werburgh, Rochester, Kent, ME3 9LY Process: Combustion Processes Permit Number: AI8935	Original Permit Number: IPCMINVAR Date Approved: 3-6-1993 Effective Date: 3-6-1993 Status: Superseded By Variation



ID	Location	Details	
F	252m SW	Operator: E.ON UK Plc Address: Kingsnorth Power Station, Hoo St Werburgh, Rochester, Kent, ME3 9LY Process: Combustion Processes Permit Number: AJ6521	Original Permit Number: IPCMINVAR Date Approved: 23-8-1993 Effective Date: 23-8-1993 Status: Superseded By Variation
F	252m SW	Operator: E.ON UK Plc Address: Kingsnorth Power Station, Hoo St Werburgh, Rochester, Kent, ME3 9LY Process: Combustion Processes Permit Number: AT1580	Original Permit Number: IPCMINVAR Date Approved: 8-3-1996 Effective Date: 25-3-1996 Status: Superseded By Variation
F	252m SW	Operator: E.ON UK Plc Address: Kingsnorth Power Station, Hoo St Werburgh, Rochester, Kent, ME3 9LY Process: Combustion Processes Permit Number: AW1462	Original Permit Number: IPCMAJVAR Date Approved: 16-7-1996 Effective Date: 23-7-1996 Status: Superseded By Variation
F	252m SW	Operator: E.ON UK Plc Address: Kingsnorth Power Station, Hoo St Werburgh, Rochester, Kent, ME3 9LY Process: Combustion Processes Permit Number: BD6549	Original Permit Number: IPCMINVAR Date Approved: 24-11-1998 Effective Date: 30-11-1998 Status: Superseded By Variation
F	252m SW	Operator: E.ON UK Plc Address: Kingsnorth Power Station, Hoo St Werburgh, Rochester, Kent, ME3 9LY Process: Combustion Processes Permit Number: BF8844	Original Permit Number: IPCMINVAR Date Approved: 28-6-1999 Effective Date: 28-6-1999 Status: Superseded By Variation
F	252m SW	Operator: E.ON UK Plc Address: Kingsnorth Power Station, Hoo St Werburgh, Rochester, Kent, ME3 9LY Process: Combustion Processes Permit Number: BG9196	Original Permit Number: IPCMINVAR Date Approved: 26-1-2000 Effective Date: 1-2-2000 Status: Superseded By Variation
F	252m SW	Operator: E.ON UK Plc Address: Kingsnorth Power Station, Hoo St Werburgh, Rochester, Kent, ME3 9LY Process: Combustion Processes Permit Number: BK0132	Original Permit Number: IPCMINVAR Date Approved: 22-12-2000 Effective Date: 28-12-2000 Status: Superseded By Variation
F	252m SW	Operator: E.ON UK Plc Address: Kingsnorth Power Station, Hoo St Werburgh, Rochester, Kent, ME3 9LY Process: Combustion Processes Permit Number: BL5750	Original Permit Number: IPCMINVAR Date Approved: 13-7-2001 Effective Date: 13-7-2001 Status: Superseded By Variation
F	252m SW	Operator: E.ON UK Plc Address: Kingsnorth Power Station, Hoo St Werburgh, Rochester, Kent, ME3 9LY Process: Combustion Processes Permit Number: BM4554	Original Permit Number: IPCMINVAR Date Approved: 27-3-2002 Effective Date: 1-4-2002 Status: Superseded By Variation



ID	Location	Details	
F	252m SW	Operator: E.ON UK Plc Address: Kingsnorth Power Station, Hoo St Werburgh, Rochester, Kent, ME3 9LY Process: Combustion Processes Permit Number: BT6985	Original Permit Number: IPCMINVAR Date Approved: 4-12-2002 Effective Date: 5-12-2002 Status: Superseded By Variation
F	252m SW	Operator: E.ON UK Plc Address: Kingsnorth Power Station, Hoo St Werburgh, Rochester, Kent, ME3 9LY Process: Combustion Processes Permit Number: BU8096	Original Permit Number: IPCMINVAR Date Approved: 3-7-2003 Effective Date: 4-7-2003 Status: Superseded By Variation
F	252m SW	Operator: E.ON UK Plc Address: Kingsnorth Power Station, Hoo St Werburgh, Rochester, Kent, ME3 9LY Process: Combustion Processes Permit Number: BY7393	Original Permit Number: IPCMINVAR Date Approved: 26-11-2004 Effective Date: 27-11-2004 Status: Superseded By Variation
F	252m SW	Operator: E.ON UK Plc Address: Kingsnorth Power Station, Hoo St Werburgh, Rochester, Kent, ME3 9LY Process: Combustion Processes Permit Number: BZ0211	Original Permit Number: IPCMINVAR Date Approved: 14-6-2005 Effective Date: 15-6-2005 Status: Revoked - Now Ippc

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

4.10 Licensed industrial activities (Part A(1))

Records within 500m

37

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

Features are displayed on the Current industrial land use map on [page 35 >](#)

ID	Location	Details	
3	197m N	Operator: Drax Generation Enterprise Limited Installation Name: Damhead Creek Power Station EPR/DP3933DN Process: COMBUSTION; ANY FUEL =>50MW Permit Number: CP3931QJ Original Permit Number: DP3933DN	EPR Reference: - Issue Date: 11/02/2020 Effective Date: 11/02/2020 Last date noted as effective: 21/03/2023 Status: Superceded
8	337m NW	Operator: ASHFORD POWER LIMITED Installation Name: Ashford Power - EPR/EP3703LV Process: NEW MEDIUM COMBUSTION PLANT Permit Number: EP3703LV Original Permit Number: EP3703LV	EPR Reference: EPR/EP3703LV Issue Date: 08/06/2022 Effective Date: 08/06/2022 Last date noted as effective: 08/11/2023 Status: Effective



ID	Location	Details	
G	358m S	Operator: E.ON UK PLC Installation Name: Kingsnorth PS EPR/CP3237SJ Process: ASSOCIATED PROCESS Permit Number: CP3237SJ Original Permit Number: CP3237SJ	EPR Reference: EPR/CP3237SJ Issue Date: 28/01/2014 Effective Date: 28/01/2014 Last date noted as effective: 08/11/2023 Status: Superseded
G	358m S	Operator: UNIPER UK LIMITED Installation Name: Kingsnorth Power Station EPR/HP3430RV Process: COMBUSTION; ANY FUEL =>50MW Permit Number: HP3430RV Original Permit Number: HP3430RV	EPR Reference: EPR/HP3430RV Issue Date: 27/07/2020 Effective Date: 27/07/2020 Last date noted as effective: 08/11/2023 Status: Effective
G	358m S	Operator: E.ON UK PLC Installation Name: Kingsnorth PS EPR/CP3237SJ Process: COMBUSTION; ANY FUEL =>50MW Permit Number: CP3237SJ Original Permit Number: CP3237SJ	EPR Reference: EPR/CP3237SJ Issue Date: 28/01/2014 Effective Date: 28/01/2014 Last date noted as effective: 08/11/2023 Status: Superseded
G	358m S	Operator: UNIPER UK LIMITED Installation Name: Kingsnorth Power Station EPR/HP3430RV Process: COMBUSTION; ANY FUEL =>50MW Permit Number: HP3430RV Original Permit Number: HP3430RV	EPR Reference: EPR/HP3430RV Issue Date: 27/07/2020 Effective Date: 27/07/2020 Last date noted as effective: 08/11/2023 Status: Effective
G	358m S	Operator: E.ON UK PLC Installation Name: Kingsnorth PS EPR/CP3237SJ Process: COMBUSTION; ANY FUEL =>50MW Permit Number: CP3237SJ Original Permit Number: CP3237SJ	EPR Reference: EPR/CP3237SJ Issue Date: 28/01/2014 Effective Date: 28/01/2014 Last date noted as effective: 08/11/2023 Status: Superseded
G	358m S	Operator: UNIPER UK LIMITED Installation Name: Kingsnorth Power Station EPR/HP3430RV Process: ASSOCIATED PROCESS Permit Number: HP3430RV Original Permit Number: HP3430RV	EPR Reference: EPR/HP3430RV Issue Date: 27/07/2020 Effective Date: 27/07/2020 Last date noted as effective: 08/11/2023 Status: Effective
G	358m S	Operator: UNIPER UK LIMITED Installation Name: Kingsnorth Power Station EPR/HP3430RV Process: RECOVERY OR A MIX OF RECOVERY AND DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING TREATMENT OF SLAGS AND ASHES Permit Number: HP3430RV Original Permit Number: HP3430RV	EPR Reference: EPR/HP3430RV Issue Date: 27/07/2020 Effective Date: 27/07/2020 Last date noted as effective: 08/11/2023 Status: Effective



ID	Location	Details	
G	358m S	Operator: E.ON UK PLC Installation Name: KINGSNORTH POWER STATION UNITS 5 AND 6 Process: COMBUSTION; ANY FUEL =>50MW Permit Number: WP3535UJ Original Permit Number: WP3535UJ	EPR Reference: - Issue Date: - Effective Date: - Last date noted as effective: 01/01/2012 Status: DETERMINATION
G	358m S	Operator: E.ON UK PLC Installation Name: KINGSNORTH POWER STATION UNITS 5 AND 6 Process: ASSOCIATED PROCESS Permit Number: WP3535UJ Original Permit Number: WP3535UJ	EPR Reference: - Issue Date: - Effective Date: - Last date noted as effective: 01/01/2012 Status: DETERMINATION
G	358m S	Operator: UNIPER UK LIMITED Installation Name: KINGSNORTH POWER STATION EPR/HP3430RV Process: ASSOCIATED PROCESS Permit Number: TP3308BQ Original Permit Number: HP3430RV	EPR Reference: - Issue Date: - Effective Date: - Last date noted as effective: 28/09/2020 Status: DETERMINATION
G	358m S	Operator: UNIPER UK LIMITED Installation Name: KINGSNORTH POWER STATION EPR/HP3430RV Process: COMBUSTION; ANY FUEL =>50MW Permit Number: TP3308BQ Original Permit Number: HP3430RV	EPR Reference: - Issue Date: - Effective Date: - Last date noted as effective: 28/09/2020 Status: DETERMINATION
G	358m S	Operator: UNIPER UK LIMITED Installation Name: KINGSNORTH POWER STATION EPR/HP3430RV Process: COMBUSTION; ANY FUEL =>50MW Permit Number: TP3308BQ Original Permit Number: HP3430RV	EPR Reference: - Issue Date: - Effective Date: - Last date noted as effective: 28/09/2020 Status: DETERMINATION
G	358m S	Operator: E.On UK Plc Installation Name: Kingsnorth PS EPR/CP3237SJ Process: ASSOCIATED PROCESS Permit Number: SP3438XB Original Permit Number: CP3237SJ	EPR Reference: - Issue Date: 22/04/2008 Effective Date: 22/04/2008 Last date noted as effective: 21/03/2023 Status: Superseded
G	358m S	Operator: E.On UK Plc Installation Name: Kingsnorth PS EPR/CP3237SJ Process: COMBUSTION; ANY FUEL =>50MW Permit Number: SP3438XB Original Permit Number: CP3237SJ	EPR Reference: - Issue Date: 22/04/2008 Effective Date: 22/04/2008 Last date noted as effective: 21/03/2023 Status: Superseded
G	358m S	Operator: E.On UK Plc Installation Name: Kingsnorth PS EPR/CP3237SJ Process: COMBUSTION; ANY FUEL =>50MW Permit Number: ZP3134EQ Original Permit Number: CP3237SJ	EPR Reference: - Issue Date: 28/01/2014 Effective Date: 28/01/2014 Last date noted as effective: 21/03/2023 Status: Superseded



ID	Location	Details	
G	358m S	Operator: E.On UK Plc Installation Name: Kingsnorth PS EPR/CP3237SJ Process: COMBUSTION; ANY FUEL =>50MW Permit Number: ZP3134EQ Original Permit Number: CP3237SJ	EPR Reference: - Issue Date: 28/01/2014 Effective Date: 28/01/2014 Last date noted as effective: 21/03/2023 Status: Superseded
G	358m S	Operator: E.On UK Plc Installation Name: Kingsnorth PS EPR/CP3237SJ Process: ASSOCIATED PROCESS Permit Number: ZP3134EQ Original Permit Number: CP3237SJ	EPR Reference: - Issue Date: 28/01/2014 Effective Date: 28/01/2014 Last date noted as effective: 21/03/2023 Status: Superseded
G	358m S	Operator: E.On UK Plc Installation Name: Kingsnorth PS EPR/CP3237SJ Process: COMBUSTION; ANY FUEL =>50MW Permit Number: KP3332ZU Original Permit Number: CP3237SJ	EPR Reference: - Issue Date: 11/03/2013 Effective Date: 11/03/2013 Last date noted as effective: 21/03/2023 Status: Superseded
G	358m S	Operator: Uniper Uk Limited Installation Name: Kingsnorth Power Station EPS/HP3430RV Process: COMBUSTION; ANY FUEL =>50MW Permit Number: BP3132RK Original Permit Number: HP3430RV	EPR Reference: - Issue Date: 14/12/2015 Effective Date: 01/01/2016 Last date noted as effective: 21/03/2023 Status: Superseded
G	358m S	Operator: Uniper Uk Limited Installation Name: Kingsnorth Power Station EPR/HP3430RV Process: COMBUSTION; ANY FUEL =>50MW Permit Number: TP3508BL Original Permit Number: HP3430RV	EPR Reference: - Issue Date: 27/07/2020 Effective Date: 27/07/2020 Last date noted as effective: 21/03/2023 Status: Effective
G	358m S	Operator: Uniper Uk Limited Installation Name: Kingsnorth Power Station EPR/HP3430RV Process: RECOVERY OR A MIX OF RECOVERY AND DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING TREATMENT OF SLAGS AND ASHES Permit Number: TP3508BL Original Permit Number: HP3430RV	EPR Reference: - Issue Date: 27/07/2020 Effective Date: 27/07/2020 Last date noted as effective: 21/03/2023 Status: Effective
G	358m S	Operator: Uniper Uk Limited Installation Name: Kingsnorth Power Station EPS/HP3430RV Process: COMBUSTION; ANY FUEL =>50MW Permit Number: UP3635RR Original Permit Number: HP3430RV	EPR Reference: - Issue Date: 02/02/2016 Effective Date: 02/02/2016 Last date noted as effective: 21/03/2023 Status: Superseded



ID	Location	Details	
G	358m S	Operator: Uniper Uk Limited Installation Name: Kingsnorth Power Station EPR/HP3430RV Process: COMBUSTION; ANY FUEL =>50MW Permit Number: XP3939YR Original Permit Number: HP3430RV	EPR Reference: - Issue Date: 17/01/2017 Effective Date: 17/01/2017 Last date noted as effective: 21/03/2023 Status: Superseded
G	358m S	Operator: Uniper Uk Limited Installation Name: Kingsnorth Power Station EPR/HP3430RV Process: COMBUSTION; ANY FUEL =>50MW Permit Number: XP3939YR Original Permit Number: HP3430RV	EPR Reference: - Issue Date: 17/01/2017 Effective Date: 17/01/2017 Last date noted as effective: 21/03/2023 Status: Superseded
G	358m S	Operator: Uniper Uk Limited Installation Name: Kingsnorth Power Station EPR/HP3430RV Process: RECOVERY OR A MIX OF RECOVERY AND DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING TREATMENT OF SLAGS AND ASHES Permit Number: XP3939YR Original Permit Number: HP3430RV	EPR Reference: - Issue Date: 17/01/2017 Effective Date: 17/01/2017 Last date noted as effective: 21/03/2023 Status: Superseded
G	358m S	Operator: Uniper Uk Limited Installation Name: Kingsnorth Power Station EPS/HP3430RV Process: COMBUSTION; ANY FUEL =>50MW Permit Number: UP3635RR Original Permit Number: HP3430RV	EPR Reference: - Issue Date: 02/02/2016 Effective Date: 02/02/2016 Last date noted as effective: 21/03/2023 Status: Superseded
G	358m S	Operator: E.On UK Plc Installation Name: Kingsnorth PS EPR/CP3237SJ Process: COMBUSTION; ANY FUEL =>50MW Permit Number: SP3438XB Original Permit Number: CP3237SJ	EPR Reference: - Issue Date: 22/04/2008 Effective Date: 22/04/2008 Last date noted as effective: 21/03/2023 Status: Superseded
G	358m S	Operator: E.On UK Plc Installation Name: Kingsnorth PS EPR/CP3237SJ Process: ASSOCIATED PROCESS Permit Number: KP3332ZU Original Permit Number: CP3237SJ	EPR Reference: - Issue Date: 11/03/2013 Effective Date: 11/03/2013 Last date noted as effective: 21/03/2023 Status: Superseded
G	358m S	Operator: E.On UK Plc Installation Name: Kingsnorth PS EPR/CP3237SJ Process: COMBUSTION; ANY FUEL =>50MW Permit Number: KP3332ZU Original Permit Number: CP3237SJ	EPR Reference: - Issue Date: 11/03/2013 Effective Date: 11/03/2013 Last date noted as effective: 21/03/2023 Status: Superseded



ID	Location	Details	
G	358m S	Operator: Uniper Uk Limited Installation Name: Kingsnorth Power Station EPS/HP3430RV Process: COMBUSTION; ANY FUEL =>50MW Permit Number: BP3132RK Original Permit Number: HP3430RV	EPR Reference: - Issue Date: 14/12/2015 Effective Date: 01/01/2016 Last date noted as effective: 21/03/2023 Status: Superseded
G	358m S	Operator: Uniper Uk Limited Installation Name: Kingsnorth Power Station EPS/HP3430RV Process: ASSOCIATED PROCESS Permit Number: BP3132RK Original Permit Number: HP3430RV	EPR Reference: - Issue Date: 14/12/2015 Effective Date: 01/01/2016 Last date noted as effective: 21/03/2023 Status: Superseded
G	358m S	Operator: Uniper Uk Limited Installation Name: Kingsnorth Power Station EPR/HP3430RV Process: ASSOCIATED PROCESS Permit Number: TP3508BL Original Permit Number: HP3430RV	EPR Reference: - Issue Date: 27/07/2020 Effective Date: 27/07/2020 Last date noted as effective: 21/03/2023 Status: Effective
G	358m S	Operator: Uniper Uk Limited Installation Name: Kingsnorth Power Station EPR/HP3430RV Process: COMBUSTION; ANY FUEL =>50MW Permit Number: TP3508BL Original Permit Number: HP3430RV	EPR Reference: - Issue Date: 27/07/2020 Effective Date: 27/07/2020 Last date noted as effective: 21/03/2023 Status: Effective
G	358m S	Operator: Uniper Uk Limited Installation Name: Kingsnorth Power Station EPS/HP3430RV Process: ASSOCIATED PROCESS Permit Number: UP3635RR Original Permit Number: HP3430RV	EPR Reference: - Issue Date: 02/02/2016 Effective Date: 02/02/2016 Last date noted as effective: 21/03/2023 Status: Superseded
G	358m S	Operator: Uniper Uk Limited Installation Name: Kingsnorth Power Station EPR/HP3430RV Process: ASSOCIATED PROCESS Permit Number: XP3939YR Original Permit Number: HP3430RV	EPR Reference: - Issue Date: 17/01/2017 Effective Date: 17/01/2017 Last date noted as effective: 21/03/2023 Status: Superseded

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



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

Records within 500m

2

Records of Part A(2) and Part B installations regulated under the Environmental Permitting (England and Wales) Regulations 2016 for the release of substances to the environment.

Features are displayed on the Current industrial land use map on [page 35 >](#)

ID	Location	Address	Details	
G	355m S	Tarmac Trading Ltd, Kingsnorth RMX, Jacobs Lane, Hoo St Werburgh, Rochester, Kent, ME3 9NL	Process: Use of Bulk Cement Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
E	359m W	Transco, ME1 1PA	Process: Odourising Natural Gas Processes Status: Revoked Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified

This data is sourced from Local Authority records.

4.12 Radioactive Substance Authorisations

Records within 500m

0

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

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

4.13 Licensed Discharges to controlled waters

Records within 500m

5

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

Features are displayed on the Current industrial land use map on [page 35 >](#)

ID	Location	Address	Details	
2	115m SE	KINGSNORTH POWER STATION, KINGSNORTH POWER STATION, HOO, NR ROCHESTER, KENT	Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: N00153 Permit Version: 1 Receiving Water: SALINE ESTUARY	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 22/03/1985 Effective Date: 22/03/1985 Revocation Date: 09/04/1993



ID	Location	Address	Details	
A	160m NW	DAM HEAD CREEK POWER STATION, DAM HEAD CREEK POWER STATION, ROPERS LANE, ROCHESTER UPON MEDWAY, KENT	Effluent Type: TRADE DISCHARGES - COOLING WATER Permit Number: BB 8982 Permit Version: 2 Receiving Water: FRESHWATER RIVER	Status: REVOKED - UNSPECIFIED Issue date: 15/03/1999 Effective Date: 15/03/1999 Revocation Date: 27/03/2007
A	160m NW	DAM HEAD CREEK POWER STATION, DAM HEAD CREEK POWER STATION, ROPERS LANE, ROCHESTER UPON MEDWAY, KENT	Effluent Type: TRADE DISCHARGES - COOLING WATER Permit Number: BB 8982 Permit Version: 1 Receiving Water: FRESHWATER RIVER	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 23/12/1998 Effective Date: 01/01/1999 Revocation Date: 15/03/1999
7	315m E	KINGSNORTH POWER STATION, KINGSNORTH POWER STATION, HOO, ROCHESTER, KENT	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: K00013 Permit Version: 1 Receiving Water: SALINE ESTUARY	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 22/03/1985 Effective Date: 22/03/1985 Revocation Date: 09/05/1995
9	366m E	KINGSNORTH POWER STATION, KINGSNORTH POWER STATION, HOO, ROCHESTER, KENT	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: K00013 Permit Version: 2 Receiving Water: DAMHEAD CREEK	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 09/05/1995 Effective Date: 09/05/1995 Revocation Date: -

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

4.14 Pollutant release to surface waters (Red List)

Records within 500m

0

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

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

4.15 Pollutant release to public sewer

Records within 500m

0

Discharges of Special Category Effluents to the public sewer.

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



4.16 List 1 Dangerous Substances

Records within 500m

0

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

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

4.17 List 2 Dangerous Substances

Records within 500m

0

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

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

4.18 Pollution Incidents (EA/NRW)

Records within 500m

2

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 35 >](#)

ID	Location	Details	
10	406m S	Incident Date: 30/11/2002 Incident Identification: 124271 Pollutant: Contaminated Water Pollutant Description: Other Contaminated Water	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
13	473m NW	Incident Date: 06/10/2001 Incident Identification: 34974 Pollutant: Oils and Fuel Pollutant Description: Diesel	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)

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

4.19 Pollution inventory substances

Records within 500m

0

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



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

4.20 Pollution inventory waste transfers

Records within 500m

0

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

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

4.21 Pollution inventory radioactive waste

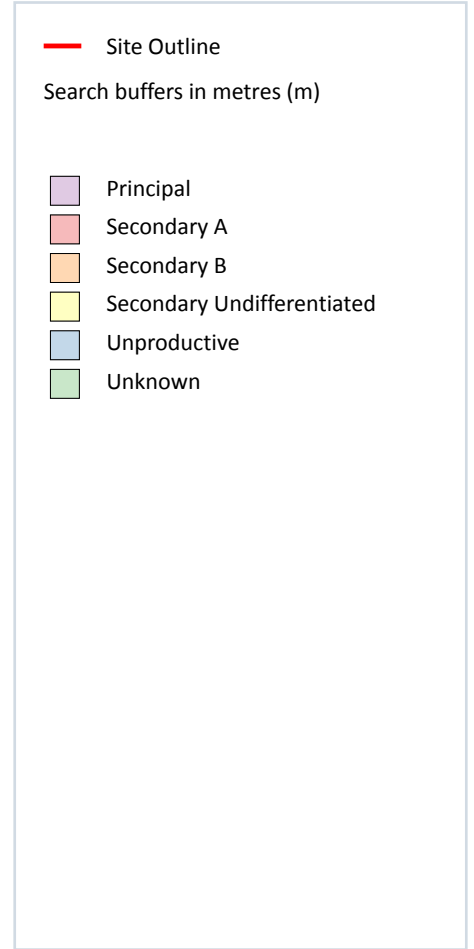
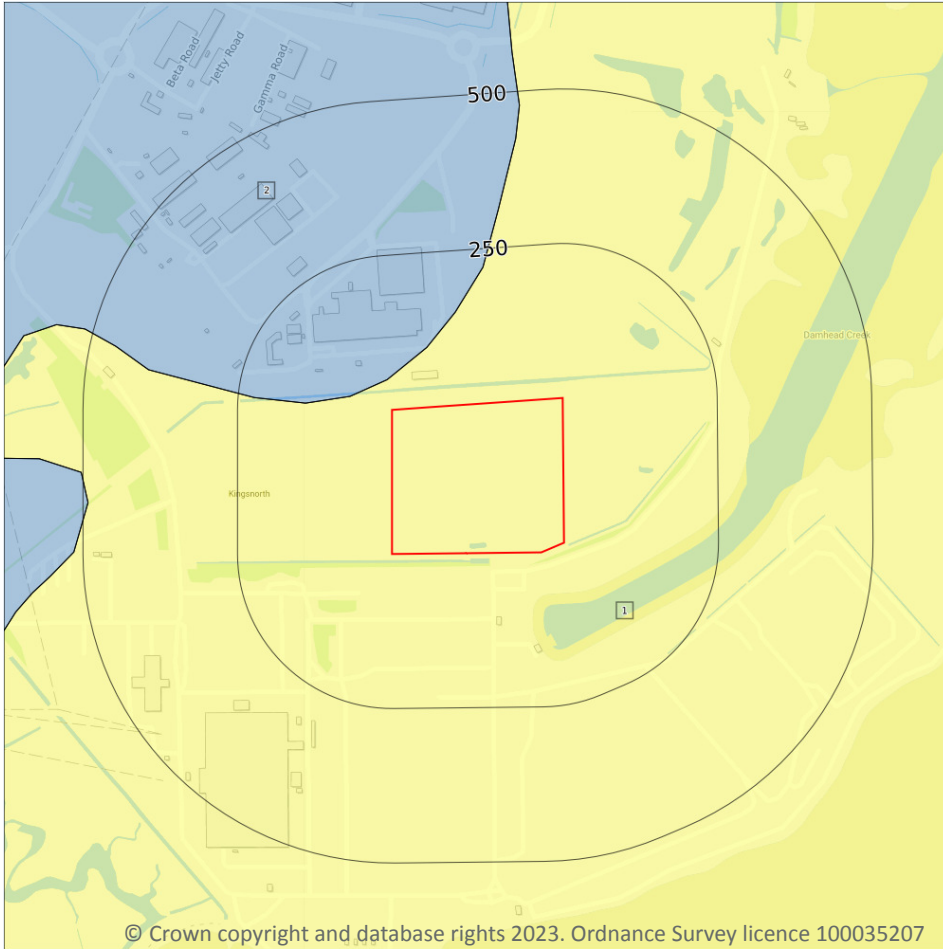
Records within 500m

0

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

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

5 Hydrogeology - Superficial aquifer



5.1 Superficial aquifer

Records within 500m

2

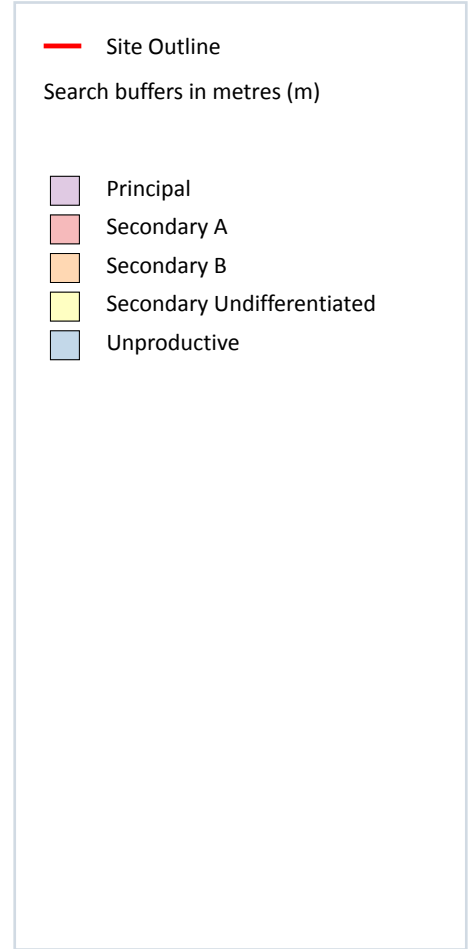
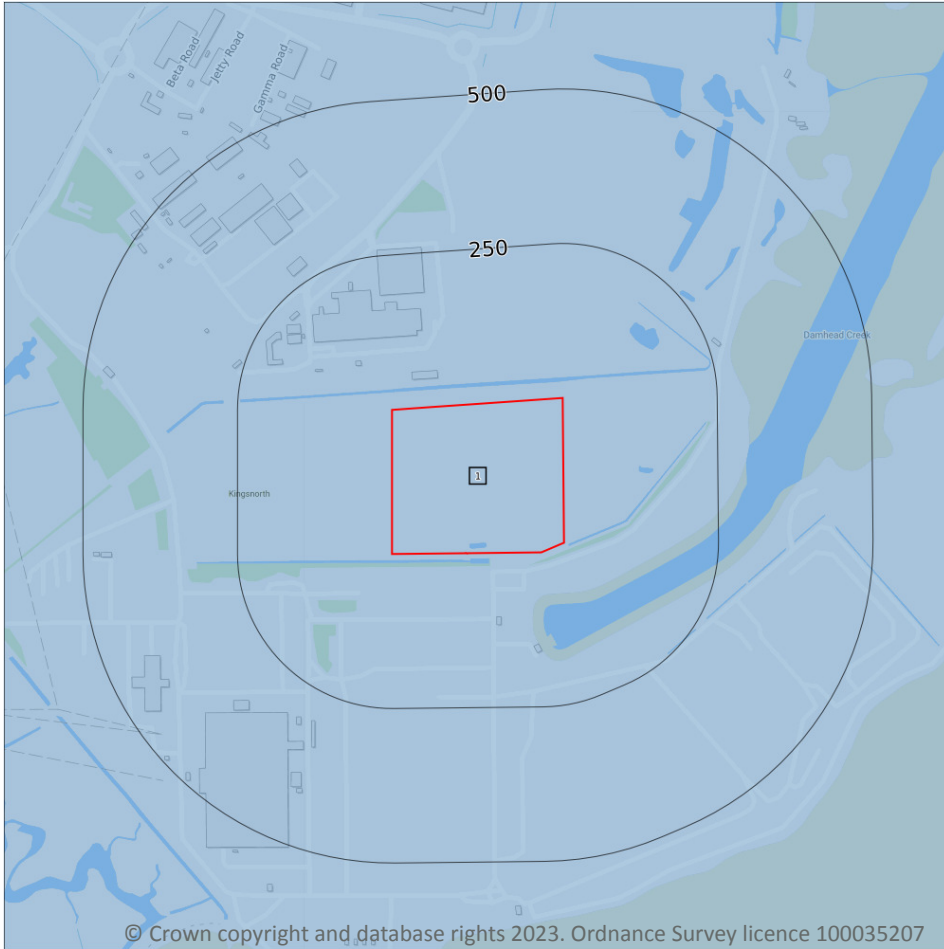
Aquifer status of groundwater held within superficial geology.

Features are displayed on the Hydrogeology map on [page 50](#) >

ID	Location	Designation	Description
1	On site	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type
2	48m NW	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



5.2 Bedrock aquifer

Records within 500m

1

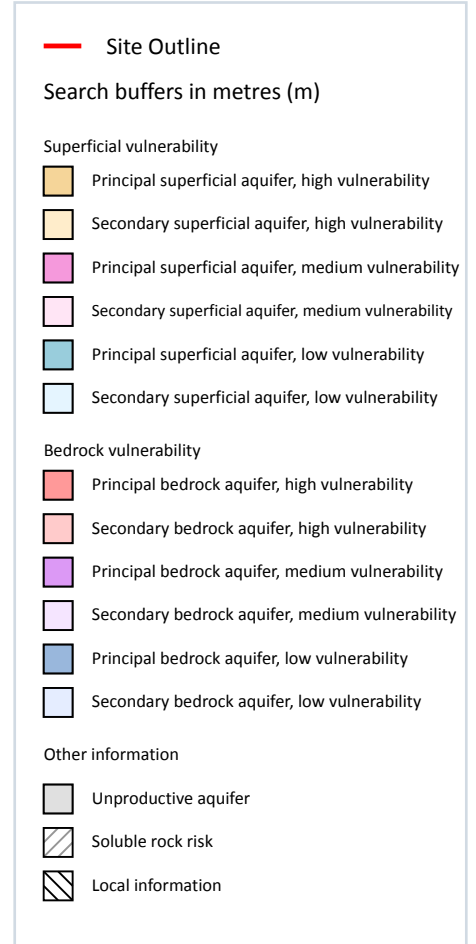
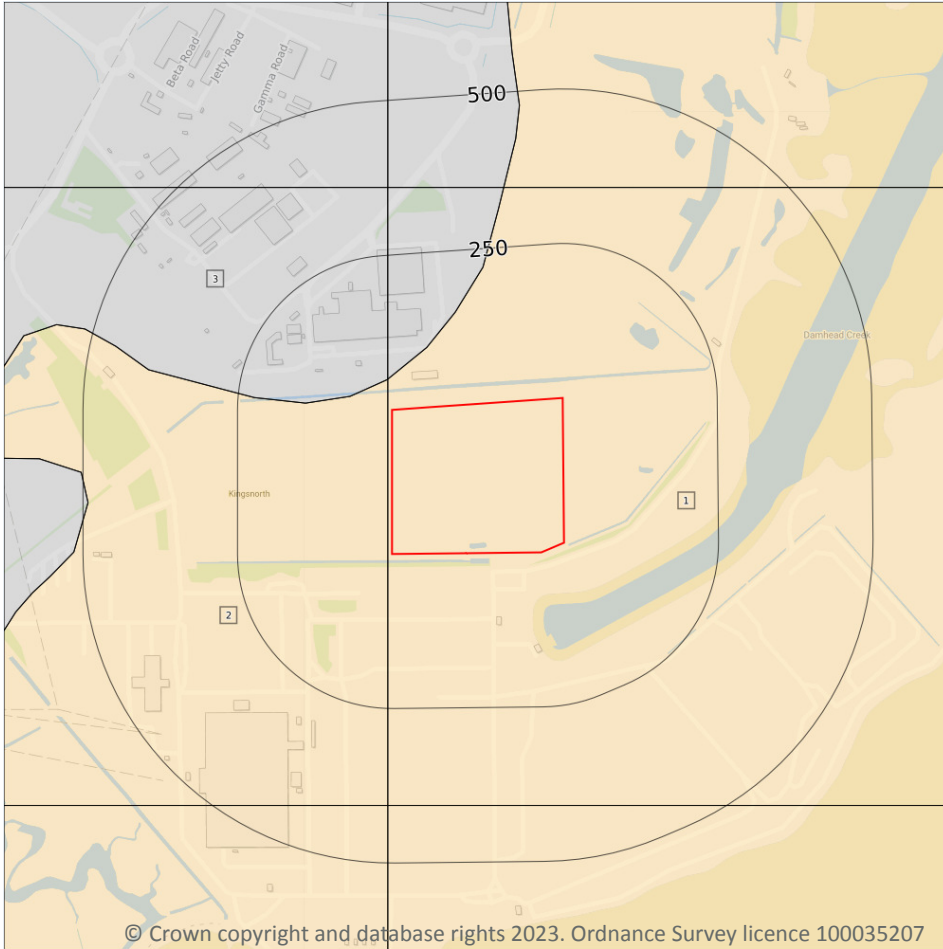
Aquifer status of groundwater held within bedrock geology.

Features are displayed on the Bedrock aquifer map on [page 51 >](#)

ID	Location	Designation	Description
1	On site	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.

Groundwater vulnerability



5.3 Groundwater vulnerability

Records within 50m

3

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 52](#) >

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	On site	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Unproductive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: High Aquifer type: Secondary Thickness: 3-10m Patchiness value: >90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Mixed
2	6m SW	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Unproductive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: High Aquifer type: Secondary Thickness: 3-10m Patchiness value: >90% Recharge potential: High	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Mixed
3	47m NW	Summary Classification: Unproductive aquifer (may have productive aquifer beneath) Combined classification: Unproductive Bedrock Aquifer, Unproductive Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: Unproductive Aquifer type: Unproductive Thickness: 3-10m Patchiness value: >90% Recharge potential: High	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Mixed

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

5.4 Groundwater vulnerability- soluble rock risk

Records on site

0

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

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

5.5 Groundwater vulnerability- local information

Records on site

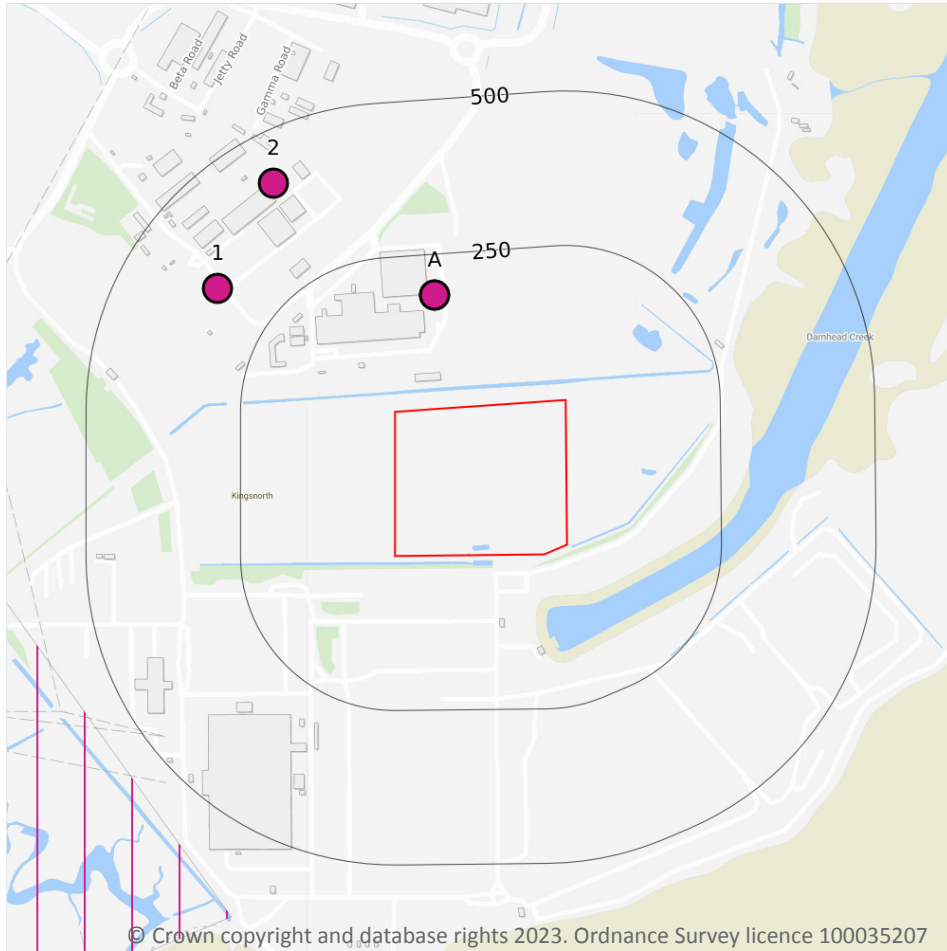
0

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

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



Abstractions and Source Protection Zones



5.6 Groundwater abstractions

Records within 2000m

23

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 54](#) >

ID	Location	Details	
A	183m N	Status: Active Licence No: 9/40/02/0019/GR/R01 Details: Boiler Feed Direct Source: Southern Region Groundwater Point: DAMHEAD CREEK POWER STATION, KINGSNORTH, ROCHESTER, KENT Data Type: Point Name: VPI Power Limited Easting: 581071 Northing: 172829	Annual Volume (m ³): 230000 Max Daily Volume (m ³): 672 Original Application No: NPS/WR/036335 Original Start Date: 01/04/2018 Expiry Date: 31/03/2030 Issue No: 3 Version Start Date: 06/09/2021 Version End Date: -
A	183m N	Status: Historical Licence No: 9/40/02/0019/GR Details: Boiler Feed Direct Source: Southern Region Groundwater Point: DAMHEAD CREEK POWER STATION, KINGSNORTH, ROCHESTER, KENT Data Type: Point Name: Scottish Power Generation Limited Easting: 581071 Northing: 172829	Annual Volume (m ³): 245280 Max Daily Volume (m ³): 672 Original Application No: - Original Start Date: 16/12/1966 Expiry Date: 31/03/2018 Issue No: 104 Version Start Date: 01/06/2016 Version End Date: -
1	349m NW	Status: Historical Licence No: 9/40/02/0019/GR Details: Evaporative Cooling Direct Source: Southern Region Groundwater Point: POINT 3, ISLE OF GRAIN IN KENT. Data Type: Point Name: Scottish Power (DCL) Ltd Easting: 580720 Northing: 172840	Annual Volume (m ³): 638495 Max Daily Volume (m ³): 1909 Original Application No: - Original Start Date: - Expiry Date: - Issue No: 102 Version Start Date: 27/11/2006 Version End Date: -
2	419m NW	Status: Historical Licence No: 9/40/02/0019/GR Details: Evaporative Cooling Direct Source: Southern Region Groundwater Point: POINT 2, ISLE OF GRAIN, KENT. Data Type: Point Name: Scottish Power (DCL) Ltd Easting: 580810 Northing: 173010	Annual Volume (m ³): 638495 Max Daily Volume (m ³): 1909 Original Application No: - Original Start Date: - Expiry Date: - Issue No: 102 Version Start Date: 27/11/2006 Version End Date: -
3	555m SW	Status: Active Licence No: SO/040/0001/045 Details: Mineral Washing Direct Source: Southern Region Groundwater Point: AREA UNDERGROUND STRATA AT KINGSNORTH QUARRY KINGSNORTH KENT Data Type: Poly4 Name: Tarmac Trading Limited Easting: 579002 Northing: 172783	Annual Volume (m ³): 3969000 Max Daily Volume (m ³): 16200 Original Application No: - Original Start Date: 30/12/2022 Expiry Date: 01/05/2027 Issue No: 1 Version Start Date: 30/12/2022 Version End Date: -



ID	Location	Details	
-	706m W	Status: Active Licence No: 9/40/02/0254 Details: Spray Irrigation - Direct Direct Source: Southern Region Groundwater Point: POINT A, SEEPAGE PIT AT KINGSNORTH. Data Type: Point Name: Batchelor Easting: 580300 Northing: 172600	Annual Volume (m ³): 90000 Max Daily Volume (m ³): 1000 Original Application No: - Original Start Date: 11/06/1987 Expiry Date: - Issue No: 101 Version Start Date: 30/11/2006 Version End Date: -
-	1280m N	Status: Active Licence No: 9/40/02/0243/G Details: Process Water Direct Source: Southern Region Groundwater Point: BOREHOLE 8, POLLY ADAMS NR. STOKE. Data Type: Point Name: Uniper UK Limited Easting: 581600 Northing: 173900	Annual Volume (m ³): 1889836 Max Daily Volume (m ³): 6819 Original Application No: NPS/WR/025137 Original Start Date: 27/03/1986 Expiry Date: - Issue No: 104 Version Start Date: 01/04/2021 Version End Date: -
-	1280m N	Status: Historical Licence No: 9/40/02/0243/G Details: Non-Evaporative Cooling Direct Source: Southern Region Groundwater Point: BOREHOLE 8, POLLY ADAMS NR. STOKE. Data Type: Point Name: Uniper UK Limited Easting: 581600 Northing: 173900	Annual Volume (m ³): 1889836 Max Daily Volume (m ³): 6819 Original Application No: - Original Start Date: 27/03/1986 Expiry Date: - Issue No: 104 Version Start Date: 23/12/2016 Version End Date: -
-	1296m N	Status: Active Licence No: 9/40/02/0243/G Details: Process Water Direct Source: Southern Region Groundwater Point: BOREHOLE 6, WHITEHALL FARM IN HOO. Data Type: Point Name: Uniper UK Limited Easting: 580700 Northing: 173900	Annual Volume (m ³): 1889836 Max Daily Volume (m ³): 6819 Original Application No: NPS/WR/025137 Original Start Date: 27/03/1986 Expiry Date: - Issue No: 104 Version Start Date: 01/04/2021 Version End Date: -
-	1296m N	Status: Historical Licence No: 9/40/02/0243/G Details: Non-Evaporative Cooling Direct Source: Southern Region Groundwater Point: BOREHOLE 6, WHITEHALL FARM IN HOO. Data Type: Point Name: Uniper UK Limited Easting: 580700 Northing: 173900	Annual Volume (m ³): 1889836 Max Daily Volume (m ³): 6819 Original Application No: - Original Start Date: 27/03/1986 Expiry Date: - Issue No: 104 Version Start Date: 23/12/2016 Version End Date: -



ID	Location	Details	
-	1323m W	Status: Active Licence No: SO/040/0001/044 Details: Mineral Washing Direct Source: Southern Region Groundwater Point: UNDERGROUND STRATA AT KINGSNORTH QUARRY KINGSTORTH KENT Data Type: Point Name: Tarmac Trading Limited Easting: 579687 Northing: 172308	Annual Volume (m ³): 220146 Max Daily Volume (m ³): 899 Original Application No: - Original Start Date: 30/12/2022 Expiry Date: 01/05/2027 Issue No: 1 Version Start Date: 30/12/2022 Version End Date: 01/05/2027
-	1375m N	Status: Historical Licence No: 9/40/02/0243/G Details: Non-Evaporative Cooling Direct Source: Southern Region Groundwater Point: BOREHOLE 8, POLLY ADAMS NR. STOKE. Data Type: Point Name: E ON UK Plc Easting: 581630 Northing: 173990	Annual Volume (m ³): 1889836 Max Daily Volume (m ³): 6819 Original Application No: - Original Start Date: - Expiry Date: - Issue No: 101 Version Start Date: 05/07/2004 Version End Date: -
-	1394m N	Status: Historical Licence No: 9/40/02/0243/G Details: Non-Evaporative Cooling Direct Source: Southern Region Groundwater Point: BOREHOLE 6, WHITEHALL FARM IN HOO. Data Type: Point Name: E ON UK Plc Easting: 580700 Northing: 174000	Annual Volume (m ³): 1889836 Max Daily Volume (m ³): 6819 Original Application No: - Original Start Date: - Expiry Date: - Issue No: 101 Version Start Date: 05/07/2004 Version End Date: -
-	1415m W	Status: Active Licence No: 9/40/02/0230/G Details: Spray Irrigation - Direct Direct Source: Southern Region Groundwater Point: AREA 2, UNNAMED LAKE AT HOO. Data Type: Poly4 Name: Batchelor Easting: 579490 Northing: 172170	Annual Volume (m ³): 15911 Max Daily Volume (m ³): 777 Original Application No: - Original Start Date: 13/09/1982 Expiry Date: - Issue No: 101 Version Start Date: 27/02/2017 Version End Date: -
-	1429m W	Status: Active Licence No: 9/40/02/0230/G Details: Spray Irrigation - Direct Direct Source: Southern Region Groundwater Point: AREA 1, UNNAMED LAKE AT HOO. Data Type: Poly4 Name: Batchelor Easting: 579540 Northing: 172500	Annual Volume (m ³): 15911 Max Daily Volume (m ³): 777 Original Application No: - Original Start Date: 13/09/1982 Expiry Date: - Issue No: 101 Version Start Date: 27/02/2017 Version End Date: -



ID	Location	Details	
-	1462m NW	Status: Active Licence No: 9/40/02/0243/G Details: Process Water Direct Source: Southern Region Groundwater Point: BOREHOLE 5, BELUNCLE IN HOO. Data Type: Point Name: Uniper UK Limited Easting: 580000 Northing: 173700	Annual Volume (m ³): 1889836 Max Daily Volume (m ³): 6819 Original Application No: NPS/WR/025137 Original Start Date: 27/03/1986 Expiry Date: - Issue No: 104 Version Start Date: 01/04/2021 Version End Date: -
-	1462m NW	Status: Historical Licence No: 9/40/02/0243/G Details: Non-Evaporative Cooling Direct Source: Southern Region Groundwater Point: BOREHOLE 5, BELUNCLE IN HOO. Data Type: Point Name: Uniper UK Limited Easting: 580000 Northing: 173700	Annual Volume (m ³): 1889836 Max Daily Volume (m ³): 6819 Original Application No: - Original Start Date: 27/03/1986 Expiry Date: - Issue No: 104 Version Start Date: 23/12/2016 Version End Date: -
-	1497m W	Status: Active Licence No: 9/40/02/0011/GR Details: Spray Irrigation - Direct Direct Source: Southern Region Groundwater Point: POINT 1, S DRIFT, HEAD BRICKEARTH U/G STRATA, HOO. Data Type: Point Name: W St J Brice Limited Easting: 579510 Northing: 172370	Annual Volume (m ³): 18439 Max Daily Volume (m ³): 682 Original Application No: WR.1476 Original Start Date: 10/05/1966 Expiry Date: - Issue No: 100 Version Start Date: 27/11/2006 Version End Date: -
-	1536m NW	Status: Historical Licence No: 9/40/02/0243/G Details: Non-Evaporative Cooling Direct Source: Southern Region Groundwater Point: BOREHOLE 5, BELUNCLE IN HOO. Data Type: Point Name: E ON UK Plc Easting: 580000 Northing: 173800	Annual Volume (m ³): 1889836 Max Daily Volume (m ³): 6819 Original Application No: - Original Start Date: - Expiry Date: - Issue No: 101 Version Start Date: 05/07/2004 Version End Date: -
-	1612m W	Status: Active Licence No: 9/40/02/0011/GR Details: Spray Irrigation - Direct Direct Source: Southern Region Groundwater Point: POINT 2, S DRIFT, HEAD BRICKEARTH U/G STRATA, HOO. Data Type: Point Name: W St J Brice Limited Easting: 579460 Northing: 171950	Annual Volume (m ³): 18439 Max Daily Volume (m ³): 682 Original Application No: WR.1476 Original Start Date: 10/05/1966 Expiry Date: - Issue No: 100 Version Start Date: 27/11/2006 Version End Date: -



ID	Location	Details	
-	1699m NE	Status: Active Licence No: 9/40/02/0243/G Details: Process Water Direct Source: Southern Region Groundwater Point: BOREHOLE 9, STOKE SALTINGS NR. STOKE. Data Type: Point Name: Uniper UK Limited Easting: 582000 Northing: 174200	Annual Volume (m ³): 1889836 Max Daily Volume (m ³): 6819 Original Application No: NPS/WR/025137 Original Start Date: 27/03/1986 Expiry Date: - Issue No: 104 Version Start Date: 01/04/2021 Version End Date: -
-	1699m NE	Status: Historical Licence No: 9/40/02/0243/G Details: Non-Evaporative Cooling Direct Source: Southern Region Groundwater Point: BOREHOLE 9, STOKE SALTINGS NR. STOKE. Data Type: Point Name: Uniper UK Limited Easting: 582000 Northing: 174200	Annual Volume (m ³): 1889836 Max Daily Volume (m ³): 6819 Original Application No: - Original Start Date: 27/03/1986 Expiry Date: - Issue No: 104 Version Start Date: 23/12/2016 Version End Date: -
-	1790m NE	Status: Historical Licence No: 9/40/02/0243/G Details: Non-Evaporative Cooling Direct Source: Southern Region Groundwater Point: BOREHOLE 9, STOKE SALTINGS NR. STOKE. Data Type: Point Name: E ON UK Plc Easting: 582000 Northing: 174300	Annual Volume (m ³): 1889836 Max Daily Volume (m ³): 6819 Original Application No: - Original Start Date: - Expiry Date: - Issue No: 101 Version Start Date: 05/07/2004 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 54 >](#)



ID	Location	Details	
-	1534m NE	Status: Active Licence No: 9/40/02/0256/CA Details: Spray Irrigation - Direct Direct Source: Southern Region Surface Waters Point: POINTS D-E, UNNAMED WATERCOURSE, NORTH STREET FARM, HOO. Data Type: Line Name: Sandfields Farms Limited Easting: 581480 Northing: 174320	Annual Volume (m ³): 65917 Max Daily Volume (m ³): 1309 Original Application No: NPS/WR/011458 Original Start Date: 20/07/1987 Expiry Date: - Issue No: 102 Version Start Date: 09/11/2012 Version End Date: -
-	1534m NE	Status: Active Licence No: 9/40/02/0256/CA Details: Make-Up Or Top Up Water Direct Source: Southern Region Surface Waters Point: POINTS D-E, UNNAMED WATERCOURSE, NORTH STREET FARM, HOO. Data Type: Line Name: Sandfields Farms Limited Easting: 581480 Northing: 174320	Annual Volume (m ³): 65917 Max Daily Volume (m ³): 1309 Original Application No: NPS/WR/011458 Original Start Date: 20/07/1987 Expiry Date: - Issue No: 102 Version Start Date: 09/11/2012 Version End Date: -
-	1646m NW	Status: Active Licence No: 9/40/02/0246/CA Details: Spray Irrigation - Storage Direct Source: Southern Region Surface Waters Point: POINTS 1-2, WATERCOURSE AT BELUNCLE FARM AT HOO. Data Type: Line Name: Batchelor Easting: 579290 Northing: 173880	Annual Volume (m ³): 29549 Max Daily Volume (m ³): 909 Original Application No: - Original Start Date: 01/04/1985 Expiry Date: - Issue No: 102 Version Start Date: 27/02/2017 Version End Date: -
-	1815m N	Status: Active Licence No: 9/40/02/0256/CA Details: Spray Irrigation - Direct Direct Source: Southern Region Surface Waters Point: POINT C, UNNAMED WATERCOURSE, NORTH STREET FARM, HOO. Data Type: Point Name: Sandfields Farms Limited Easting: 581420 Northing: 174470	Annual Volume (m ³): 65917 Max Daily Volume (m ³): 1309 Original Application No: NPS/WR/011458 Original Start Date: 20/07/1987 Expiry Date: - Issue No: 102 Version Start Date: 09/11/2012 Version End Date: -

ID	Location	Details	
-	1815m N	Status: Active Licence No: 9/40/02/0256/CA Details: Make-Up Or Top Up Water Direct Source: Southern Region Surface Waters Point: POINT C, UNNAMED WATERCOURSE, NORTH STREET FARM, HOO. Data Type: Point Name: Sandfields Farms Limited Easting: 581420 Northing: 174470	Annual Volume (m ³): 65917 Max Daily Volume (m ³): 1309 Original Application No: NPS/WR/011458 Original Start Date: 20/07/1987 Expiry Date: - Issue No: 102 Version Start Date: 09/11/2012 Version End Date: -
-	1888m NW	Status: Historical Licence No: 9/40/02/0132/SR Details: Spray Irrigation - Direct Direct Source: Southern Region Surface Waters Point: POINTS A-B, UNNAMED WATERCOURSE IN HOO. Data Type: Line Name: R.A. Whitebread (Farms) Limited Easting: 579750 Northing: 174180	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: - Expiry Date: - Issue No: 100 Version Start Date: 05/06/1997 Version End Date: -

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

5.8 Potable abstractions

Records within 2000m

0

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

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

5.9 Source Protection Zones

Records within 500m

0

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

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



5.10 Source Protection Zones (confined aquifer)

Records within 500m

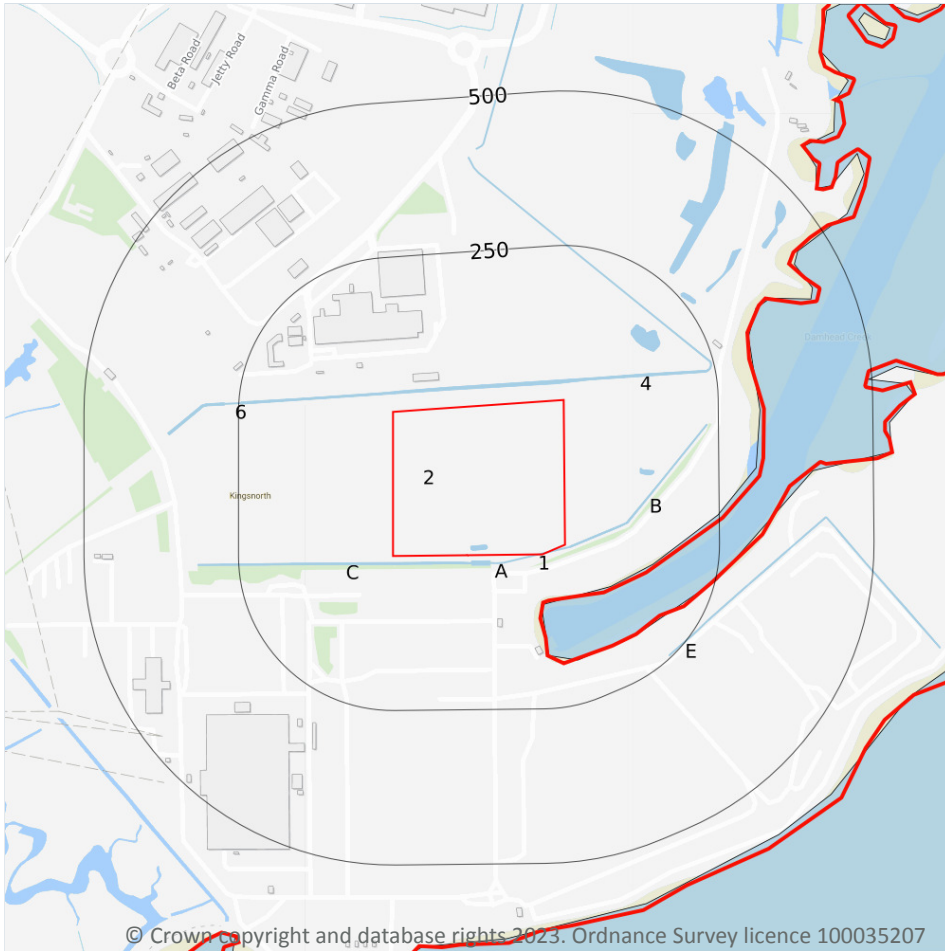
0

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

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



6 Hydrology



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

6.1 Water Network (OS MasterMap)

Records within 250m

8

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 63 >](#)

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

ID	Location	Type of water feature	Ground level	Permanence	Name
B	7m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	11m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	12m S	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
A	13m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
4	30m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
E	246m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
6	246m W	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-

This data is sourced from the Ordnance Survey.

6.2 Surface water features

Records within 250m

7

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 63 >](#)

This data is sourced from the Ordnance Survey.

6.3 WFD Surface water body catchments

Records on site

1

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



Features are displayed on the Hydrology map on [page 63 >](#)

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
2	On site	Coastal Catchment	Not part of a river WB catchment	132	Lower Medway	Medway

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

6.4 WFD Surface water bodies

Records identified	1
---------------------------	----------

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

Features are displayed on the Hydrology map on [page 63 >](#)

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
D	79m SE	Transi	MEDWAY	GB530604002300 ↗	Moderate	Fail	Moderate	2019

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

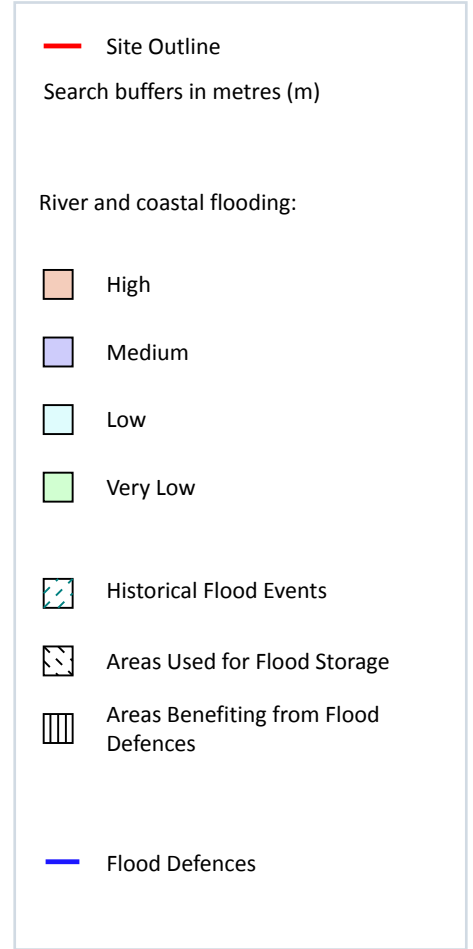
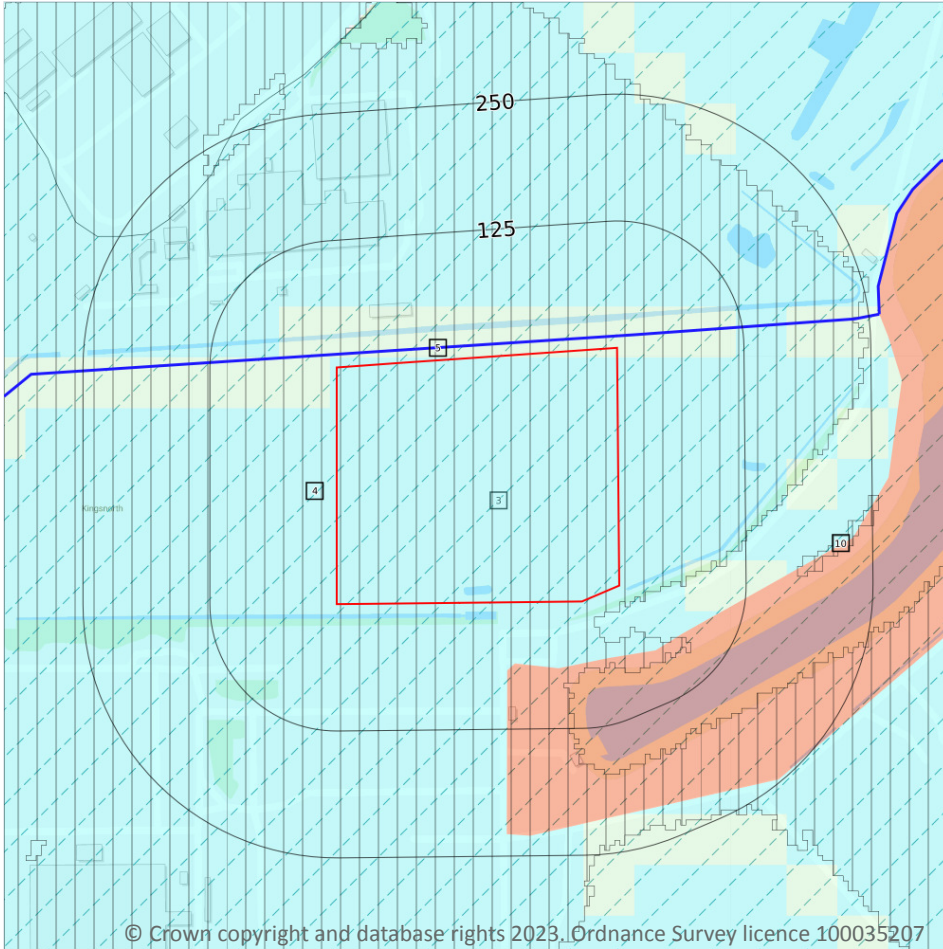
6.5 WFD Groundwater bodies

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

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.

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

7 River and coastal flooding



7.1 Risk of flooding from rivers and the sea

Records within 50m

2

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 66 >](#)

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

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

7.2 Historical Flood Events

Records within 250m

1

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 66](#) >

ID	Location	Event name	Date of flood	Flood source	Flood cause	Type of flood
3	On site	07301e900/c100_Feb1953_Isle Of Grain	1953-02-01 1953-02-05	Sea	Overtopping of defences	Tidal

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

7.3 Flood Defences

Records within 250m

1

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.

Features are displayed on the River and coastal flooding map on [page 66](#) >

ID	Location	Update
5	12m NE	08/11/2022

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



7.4 Areas Benefiting from Flood Defences

Records within 250m

2

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.

Features are displayed on the River and coastal flooding map on [page 66](#) >

ID	Location	
4	On site	Area benefiting from flood defences
10	176m E	Area benefiting from flood defences

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

7.5 Flood Storage Areas

Records within 250m

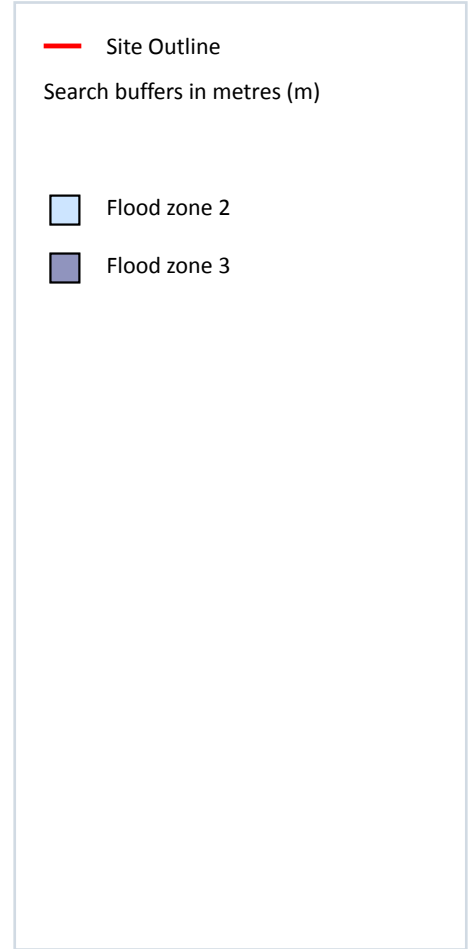
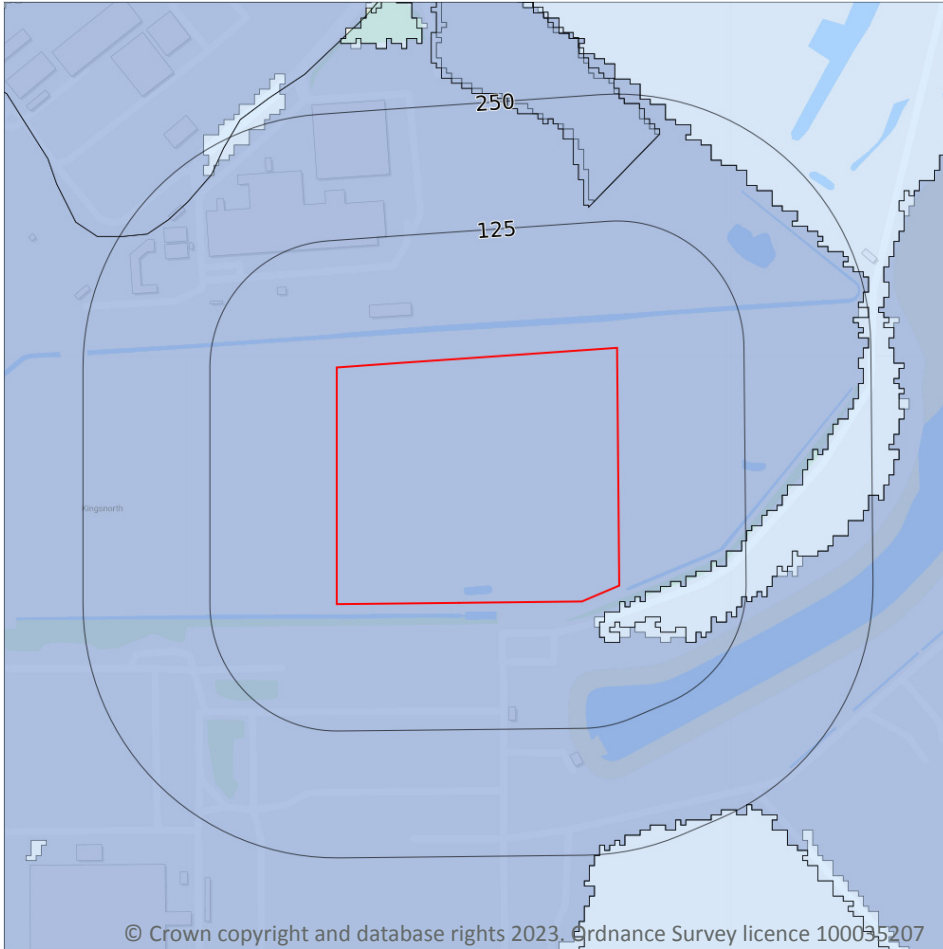
0

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

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



River and coastal flooding - Flood Zones



7.6 Flood Zone 2

Records within 50m

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 66](#) >

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

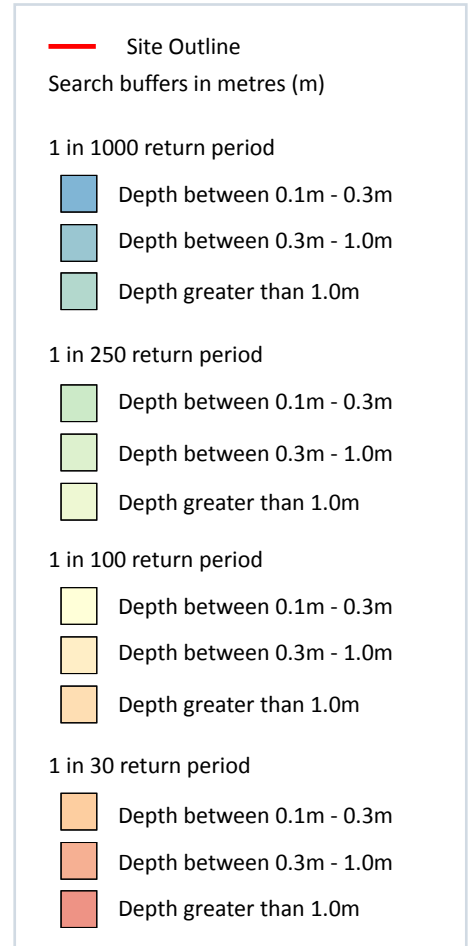
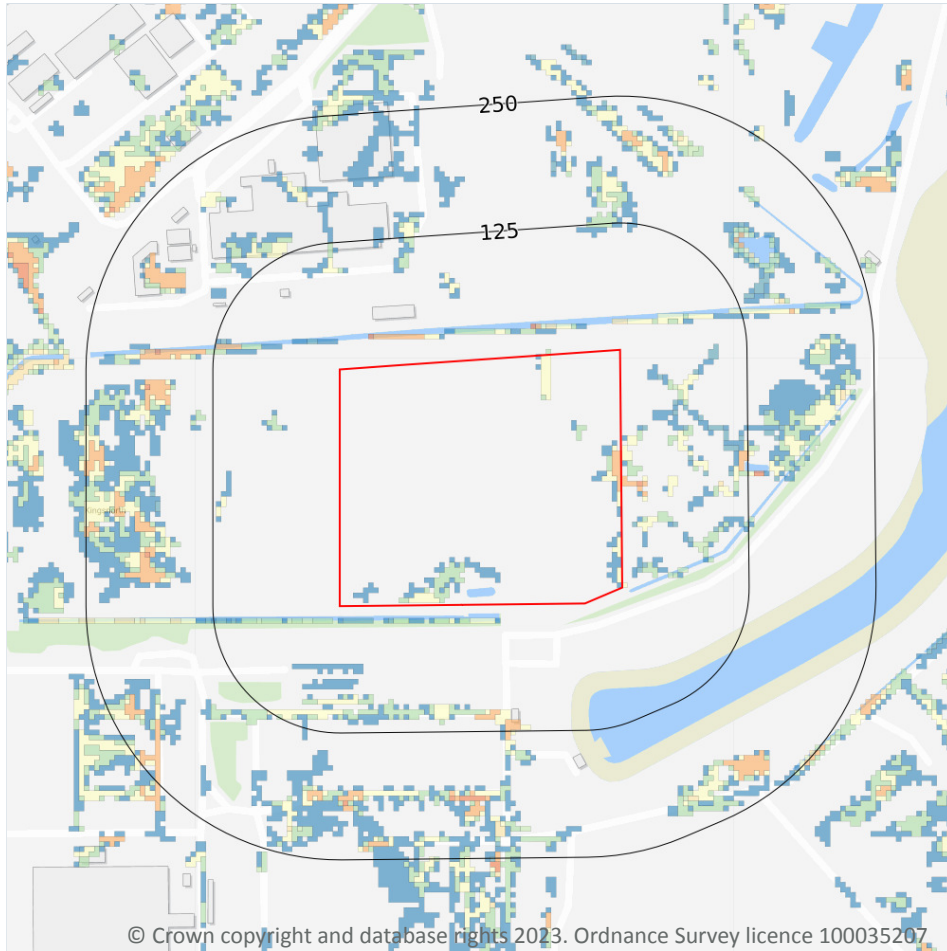
Areas of land at risk of flooding, when the presence of flood defences are ignored. Covering land with a 1 in 100 (1%) or greater chance of flooding each year from rivers or a 1 in 200 (0.5%) or greater chance of flooding each year from the sea.

Features are displayed on the River and coastal flooding map on [page 66](#) >

Location	Type
On site	Zone 3 - (Fluvial Models)

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

8 Surface water flooding



8.1 Surface water flooding

Highest risk on site

1 in 30 year, 0.1m - 0.3m

Highest risk within 50m

1 in 30 year, 0.3m - 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 71 >](#)

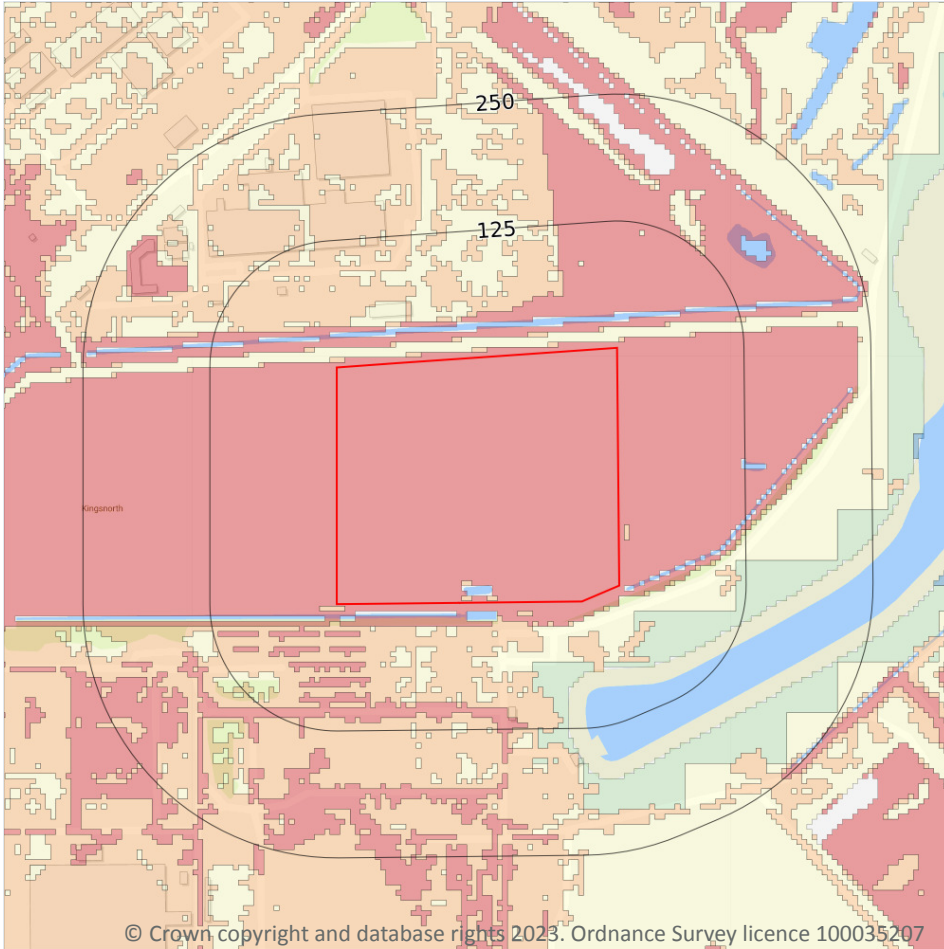
The data shown on the map and in the table above shows the highest likelihood of flood events happening at the site. Lower likelihood events may have greater flood depths and hence a greater potential impact on a site.

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

Return period	Maximum modelled depth
1 in 1000 year	Between 0.1m and 0.3m
1 in 250 year	Between 0.1m and 0.3m
1 in 100 year	Between 0.1m and 0.3m
1 in 30 year	Between 0.1m and 0.3m

This data is sourced from Ambiental Risk Analytics.

9 Groundwater flooding



9.1 Groundwater flooding

Highest risk on site

High

Highest risk within 50m

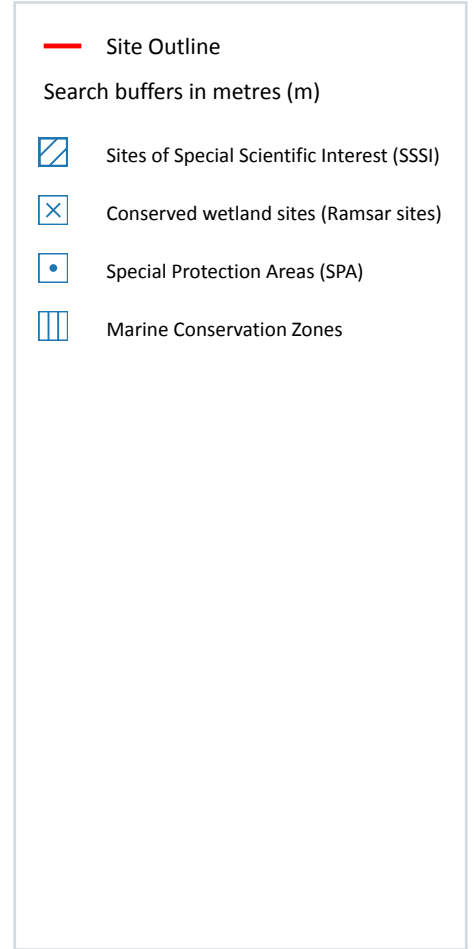
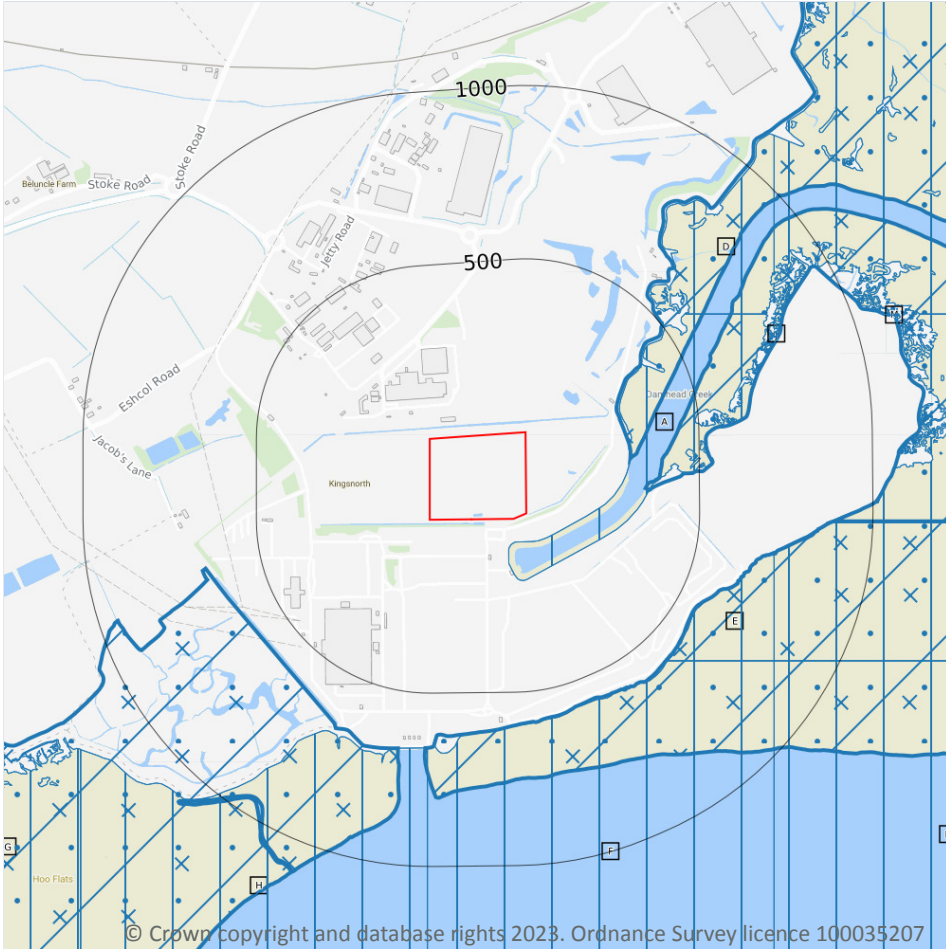
High

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 73 >](#)

This data is sourced from Ambiental Risk Analytics.

10 Environmental designations



10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m

7

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

Features are displayed on the Environmental designations map on [page 74 >](#)

ID	Location	Name	Data source
B	270m NE	Medway Estuary and Marshes	Natural England

ID	Location	Name	Data source
2	345m E	Medway Estuary and Marshes	Natural England
3	558m SE	Medway Estuary and Marshes	Natural England
G	589m SW	Medway Estuary and Marshes	Natural England
-	1350m W	Medway Estuary and Marshes	Natural England
-	1482m S	Medway Estuary and Marshes	Natural England
-	1912m SW	Medway Estuary and Marshes	Natural England

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

10.2 Conserved wetland sites (Ramsar sites)

Records within 2000m

5

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.

Features are displayed on the Environmental designations map on [page 74 >](#)

ID	Location	Site	Details
B	269m NE	Name: Medway Estuary & Marshes Site status: Listed Data source: Natural England	<p>Overview: A complex of rain-fed, brackish, floodplain grazing marsh with ditches, and intertidal saltmarsh and mudflat. These habitats together support internationally important numbers of wintering waterfowl. Rare wetland birds breed in important numbers. The saltmarsh and grazing marsh are of international importance for their diverse assemblages of wetland plants and invertebrates.</p> <p>Ramsar criteria: Ramsar criterion 2 The site supports a number of species of rare plants and animals. The site holds several nationally scarce plants, including sea barley <i>Hordeum marinum</i>, curved hard-grass <i>Parapholis incurva</i>, annual beard-grass <i>Polypogon monspeliensis</i>, Borrer's saltmarsh-grass <i>Puccinellia fasciculata</i>, slender hare's-ear <i>Bupleurum tenuissimum</i>, sea clover <i>Trifolium squamosum</i>, saltmarsh goose-foot <i>Chenopodium chenopodioides</i>, golden samphire <i>Inula crithmoides</i>, perennial glasswort <i>Sarcocornia perennis</i> and one-flowered glasswort <i>Salicornia pusilla</i>. A total of at least twelve British Red Data Book species of wetland invertebrates have been recorded on the site. These include a ground beetle <i>Polistichus connexus</i>, a fly <i>Cephalops perspicuus</i>, a dancefly <i>Poecilobothrus ducalis</i>, a fly <i>Anagnota collini</i>, a weevil <i>Baris scolopacea</i>, a water beetle <i>Berosus spinosus</i>, a beetle <i>Malachius vulneratus</i>, a rove beetle <i>Philonthus punctus</i>, the ground lackey moth <i>Malacosoma castrensis</i>, a horsefly <i>Atylotus latistriatus</i>, a fly <i>Campsicnemus magius</i>, a soldier beetle, <i>Cantharis fusca</i>, and a crane fly <i>Limonia danica</i>. A significant number of non-wetland British Red Data Book species also occur.</p>

ID	Location	Site	Details
C	344m E	Name: Medway Estuary & Marshes Site status: Listed Data source: Natural England	<p>Overview: A complex of rain-fed, brackish, floodplain grazing marsh with ditches, and intertidal saltmarsh and mudflat. These habitats together support internationally important numbers of wintering waterfowl. Rare wetland birds breed in important numbers. The saltmarsh and grazing marsh are of international importance for their diverse assemblages of wetland plants and invertebrates.</p> <p>Ramsar criteria: Ramsar criterion 2 The site supports a number of species of rare plants and animals. The site holds several nationally scarce plants, including sea barley <i>Hordeum marinum</i>, curved hard-grass <i>Parapholis incurva</i>, annual beard-grass <i>Polypogon monspeliensis</i>, Borrer's saltmarsh-grass <i>Puccinellia fasciculata</i>, slender hare's-ear <i>Bupleurum tenuissimum</i>, sea clover <i>Trifolium squamosum</i>, saltmarsh goose-foot <i>Chenopodium chenopodioides</i>, golden samphire <i>Inula crithmoides</i>, perennial glasswort <i>Sarcocornia perennis</i> and one-flowered glasswort <i>Salicornia pusilla</i>. A total of at least twelve British Red Data Book species of wetland invertebrates have been recorded on the site. These include a ground beetle <i>Polistichus connexus</i>, a fly <i>Cephalops perspicuus</i>, a dancefly <i>Poecilobothrus ducalis</i>, a fly <i>Anagnota collini</i>, a weevil <i>Baris scolopacea</i>, a water beetle <i>Berosus spinosus</i>, a beetle <i>Malachius vulneratus</i>, a rove beetle <i>Philonthus punctus</i>, the ground lackey moth <i>Malacosoma castrensis</i>, a horsefly <i>Atylotus latistriatus</i>, a fly <i>Campsicnemus magius</i>, a soldier beetle, <i>Cantharis fusca</i>, and a crane fly <i>Limonia danica</i>. A significant number of non-wetland British Red Data Book species also occur.</p>

ID	Location	Site	Details
G	589m SW	Name: Medway Estuary & Marshes Site status: Listed Data source: Natural England	<p>Overview: A complex of rain-fed, brackish, floodplain grazing marsh with ditches, and intertidal saltmarsh and mudflat. These habitats together support internationally important numbers of wintering waterfowl. Rare wetland birds breed in important numbers. The saltmarsh and grazing marsh are of international importance for their diverse assemblages of wetland plants and invertebrates.</p> <p>Ramsar criteria: Ramsar criterion 2 The site supports a number of species of rare plants and animals. The site holds several nationally scarce plants, including sea barley <i>Hordeum marinum</i>, curved hard-grass <i>Parapholis incurva</i>, annual beard-grass <i>Polypogon monspeliensis</i>, Borrer's saltmarsh-grass <i>Puccinellia fasciculata</i>, slender hare's-ear <i>Bupleurum tenuissimum</i>, sea clover <i>Trifolium squamosum</i>, saltmarsh goose-foot <i>Chenopodium chenopodioides</i>, golden samphire <i>Inula crithmoides</i>, perennial glasswort <i>Sarcocornia perennis</i> and one-flowered glasswort <i>Salicornia pusilla</i>. A total of at least twelve British Red Data Book species of wetland invertebrates have been recorded on the site. These include a ground beetle <i>Polistichus connexus</i>, a fly <i>Cephalops perspicuus</i>, a dancefly <i>Poecilobothrus ducalis</i>, a fly <i>Anagnota collini</i>, a weevil <i>Baris scolopacea</i>, a water beetle <i>Berosus spinosus</i>, a beetle <i>Malachius vulneratus</i>, a rove beetle <i>Philonthus punctus</i>, the ground lackey moth <i>Malacosoma castrensis</i>, a horsefly <i>Atylotus latistriatus</i>, a fly <i>Campsicnemus magius</i>, a soldier beetle, <i>Cantharis fusca</i>, and a crane fly <i>Limonia danica</i>. A significant number of non-wetland British Red Data Book species also occur.</p>

ID	Location	Site	Details
-	1482m S	Name: Medway Estuary & Marshes Site status: Listed Data source: Natural England	<p>Overview: A complex of rain-fed, brackish, floodplain grazing marsh with ditches, and intertidal saltmarsh and mudflat. These habitats together support internationally important numbers of wintering waterfowl. Rare wetland birds breed in important numbers. The saltmarsh and grazing marsh are of international importance for their diverse assemblages of wetland plants and invertebrates.</p> <p>Ramsar criteria: Ramsar criterion 2 The site supports a number of species of rare plants and animals. The site holds several nationally scarce plants, including sea barley <i>Hordeum marinum</i>, curved hard-grass <i>Parapholis incurva</i>, annual beard-grass <i>Polypogon monspeliensis</i>, Borrer's saltmarsh-grass <i>Puccinellia fasciculata</i>, slender hare's-ear <i>Bupleurum tenuissimum</i>, sea clover <i>Trifolium squamosum</i>, saltmarsh goose-foot <i>Chenopodium chenopodioides</i>, golden samphire <i>Inula crithmoides</i>, perennial glasswort <i>Sarcocornia perennis</i> and one-flowered glasswort <i>Salicornia pusilla</i>. A total of at least twelve British Red Data Book species of wetland invertebrates have been recorded on the site. These include a ground beetle <i>Polistichus connexus</i>, a fly <i>Cephalops perspicuus</i>, a dancefly <i>Poecilobothrus ducalis</i>, a fly <i>Anagnota collini</i>, a weevil <i>Baris scolopacea</i>, a water beetle <i>Berosus spinosus</i>, a beetle <i>Malachius vulneratus</i>, a rove beetle <i>Philonthus punctus</i>, the ground lackey moth <i>Malacosoma castrensis</i>, a horsefly <i>Atylotus latistriatus</i>, a fly <i>Campsicnemus magius</i>, a soldier beetle, <i>Cantharis fusca</i>, and a crane fly <i>Limonia danica</i>. A significant number of non-wetland British Red Data Book species also occur.</p>

ID	Location	Site	Details
-	1912m SW	Name: Medway Estuary & Marshes Site status: Listed Data source: Natural England	<p>Overview: A complex of rain-fed, brackish, floodplain grazing marsh with ditches, and intertidal saltmarsh and mudflat. These habitats together support internationally important numbers of wintering waterfowl. Rare wetland birds breed in important numbers. The saltmarsh and grazing marsh are of international importance for their diverse assemblages of wetland plants and invertebrates.</p> <p>Ramsar criteria: Ramsar criterion 2 The site supports a number of species of rare plants and animals. The site holds several nationally scarce plants, including sea barley <i>Hordeum marinum</i>, curved hard-grass <i>Parapholis incurva</i>, annual beard-grass <i>Polypogon monspeliensis</i>, Borrer's saltmarsh-grass <i>Puccinellia fasciculata</i>, slender hare's-ear <i>Bupleurum tenuissimum</i>, sea clover <i>Trifolium squamosum</i>, saltmarsh goose-foot <i>Chenopodium chenopodioides</i>, golden samphire <i>Inula crithmoides</i>, perennial glasswort <i>Sarcocornia perennis</i> and one-flowered glasswort <i>Salicornia pusilla</i>. A total of at least twelve British Red Data Book species of wetland invertebrates have been recorded on the site. These include a ground beetle <i>Polistichus connexus</i>, a fly <i>Cephalops perspicuus</i>, a dancefly <i>Poecilobothrus ducalis</i>, a fly <i>Anagnota collini</i>, a weevil <i>Baris scolopacea</i>, a water beetle <i>Berosus spinosus</i>, a beetle <i>Malachius vulneratus</i>, a rove beetle <i>Philonthus punctus</i>, the ground lackey moth <i>Malacosoma castrensis</i>, a horsefly <i>Atylotus latistriatus</i>, a fly <i>Campsicnemus magius</i>, a soldier beetle, <i>Cantharis fusca</i>, and a crane fly <i>Limonia danica</i>. A significant number of non-wetland British Red Data Book species also occur.</p>

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

6

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.

Features are displayed on the Environmental designations map on [page 74 >](#)



ID	Location	Name	Species of interest	Habitat description	Data source
1	270m NE	Medway Estuary & Marshes	Red-throated diver; Great crested grebe; Great cormorant; Tundra swan; Common shelduck; Eurasian wigeon; Eurasian teal; Mallard; Northern pintail; Northern shoveler; Common pochard; Hen harrier; Merlin; Eurasian oystercatcher; Pied avocet; Pied avocet; Ringed plover; Grey plover; Red knot; Eurasian curlew; Common redshank; Common greenshank; Ruddy turnstone; Common tern; Little tern; Black-tailed godwit; Dunlin; Dark-bellied brent goose	Salt marshes, Salt pastures, Salt steppes; Dry grassland, Steppes; Tidal rivers, Estuaries, Mud flats, Sand flats, Lagoons (including saltwork basins); Bogs, Marshes, Water fringed vegetation, Fens; Humid grassland, Mesophile grassland; Inland water bodies (Standing water, Running water)	Natural England
C	345m E	Medway Estuary & Marshes	Red-throated diver; Great crested grebe; Great cormorant; Tundra swan; Common shelduck; Eurasian wigeon; Eurasian teal; Mallard; Northern pintail; Northern shoveler; Common pochard; Hen harrier; Merlin; Eurasian oystercatcher; Pied avocet; Pied avocet; Ringed plover; Grey plover; Red knot; Eurasian curlew; Common redshank; Common greenshank; Ruddy turnstone; Common tern; Little tern; Black-tailed godwit; Dunlin; Dark-bellied brent goose	Salt marshes, Salt pastures, Salt steppes; Dry grassland, Steppes; Tidal rivers, Estuaries, Mud flats, Sand flats, Lagoons (including saltwork basins); Bogs, Marshes, Water fringed vegetation, Fens; Humid grassland, Mesophile grassland; Inland water bodies (Standing water, Running water)	Natural England
G	589m SW	Medway Estuary & Marshes	Red-throated diver; Great crested grebe; Great cormorant; Tundra swan; Common shelduck; Eurasian wigeon; Eurasian teal; Mallard; Northern pintail; Northern shoveler; Common pochard; Hen harrier; Merlin; Eurasian oystercatcher; Pied avocet; Pied avocet; Ringed plover; Grey plover; Red knot; Eurasian curlew; Common redshank; Common greenshank; Ruddy turnstone; Common tern; Little tern; Black-tailed godwit; Dunlin; Dark-bellied brent goose	Salt marshes, Salt pastures, Salt steppes; Dry grassland, Steppes; Tidal rivers, Estuaries, Mud flats, Sand flats, Lagoons (including saltwork basins); Bogs, Marshes, Water fringed vegetation, Fens; Humid grassland, Mesophile grassland; Inland water bodies (Standing water, Running water)	Natural England
-	1482m S	Medway Estuary & Marshes	Red-throated diver; Great crested grebe; Great cormorant; Tundra swan; Common shelduck; Eurasian wigeon; Eurasian teal; Mallard; Northern pintail; Northern shoveler; Common pochard; Hen harrier; Merlin; Eurasian oystercatcher; Pied avocet; Pied avocet; Ringed plover; Grey plover; Red knot; Eurasian curlew; Common redshank; Common greenshank; Ruddy turnstone; Common tern; Little tern; Black-tailed godwit; Dunlin; Dark-bellied brent goose	Salt marshes, Salt pastures, Salt steppes; Dry grassland, Steppes; Tidal rivers, Estuaries, Mud flats, Sand flats, Lagoons (including saltwork basins); Bogs, Marshes, Water fringed vegetation, Fens; Humid grassland, Mesophile grassland; Inland water bodies (Standing water, Running water)	Natural England



ID	Location	Name	Species of interest	Habitat description	Data source
-	1912m SW	Medway Estuary & Marshes	Red-throated diver; Great crested grebe; Great cormorant; Tundra swan; Common shelduck; Eurasian wigeon; Eurasian teal; Mallard; Northern pintail; Northern shoveler; Common pochard; Hen harrier; Merlin; Eurasian oystercatcher; Pied avocet; Pied avocet; Ringed plover; Grey plover; Red knot; Eurasian curlew; Common redshank; Common greenshank; Ruddy turnstone; Common tern; Little tern; Black-tailed godwit; Dunlin; Dark-bellied brent goose	Salt marshes, Salt pastures, Salt steppes; Dry grassland, Steppes; Tidal rivers, Estuaries, Mud flats, Sand flats, Lagoons (including saltwork basins); Bogs, Marshes, Water fringed vegetation, Fens; Humid grassland, Mesophile grassland; Inland water bodies (Standing water, Running water)	Natural England
-	1999m NE	Medway Estuary & Marshes	Red-throated diver; Great crested grebe; Great cormorant; Tundra swan; Common shelduck; Eurasian wigeon; Eurasian teal; Mallard; Northern pintail; Northern shoveler; Common pochard; Hen harrier; Merlin; Eurasian oystercatcher; Pied avocet; Pied avocet; Ringed plover; Grey plover; Red knot; Eurasian curlew; Common redshank; Common greenshank; Ruddy turnstone; Common tern; Little tern; Black-tailed godwit; Dunlin; Dark-bellied brent goose	Salt marshes, Salt pastures, Salt steppes; Dry grassland, Steppes; Tidal rivers, Estuaries, Mud flats, Sand flats, Lagoons (including saltwork basins); Bogs, Marshes, Water fringed vegetation, Fens; Humid grassland, Mesophile grassland; Inland water bodies (Standing water, Running water)	Natural England

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

0

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.

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

86

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.

Features are displayed on the Environmental designations map on [page 74 >](#)

ID	Location	Name	Status
A	67m SE	Medway Estuary - Zone 2	Designated
A	67m SE	Medway Estuary - Zone 1	Designated
D	519m NE	Medway Estuary - Zone 2	Designated
D	519m NE	Medway Estuary - Zone 1	Designated



ID	Location	Name	Status
E	563m SE	Medway Estuary - Zone 1	Designated
E	563m SE	Medway Estuary - Zone 2	Designated
F	571m SE	Medway Estuary - Zone 1	Designated
F	571m SE	Medway Estuary - Zone 2	Designated
H	658m S	Medway Estuary - Zone 2	Designated
H	658m S	Medway Estuary - Zone 1	Designated
I	724m E	Medway Estuary - Zone 1	Designated
I	724m E	Medway Estuary - Zone 2	Designated
J	768m NE	Medway Estuary - Zone 1	Designated
J	768m NE	Medway Estuary - Zone 2	Designated
J	777m NE	Medway Estuary - Zone 2	Designated
J	777m NE	Medway Estuary - Zone 1	Designated
J	782m NE	Medway Estuary - Zone 1	Designated
J	782m NE	Medway Estuary - Zone 2	Designated
J	795m NE	Medway Estuary - Zone 1	Designated
J	795m NE	Medway Estuary - Zone 2	Designated
J	807m NE	Medway Estuary - Zone 1	Designated
J	807m NE	Medway Estuary - Zone 2	Designated
J	811m NE	Medway Estuary - Zone 1	Designated
J	811m NE	Medway Estuary - Zone 2	Designated
K	831m NE	Medway Estuary - Zone 1	Designated
K	831m NE	Medway Estuary - Zone 2	Designated
L	832m SE	Medway Estuary - Zone 1	Designated
L	832m SE	Medway Estuary - Zone 2	Designated
M	1115m E	Medway Estuary - Zone 2	Designated
M	1115m E	Medway Estuary - Zone 1	Designated
M	1120m E	Medway Estuary - Zone 1	Designated
M	1120m E	Medway Estuary - Zone 2	Designated



ID	Location	Name	Status
M	1141m E	Medway Estuary - Zone 1	Designated
M	1141m E	Medway Estuary - Zone 2	Designated
M	1155m E	Medway Estuary - Zone 1	Designated
M	1155m E	Medway Estuary - Zone 2	Designated
M	1172m E	Medway Estuary - Zone 2	Designated
M	1172m E	Medway Estuary - Zone 1	Designated
N	1206m SW	Medway Estuary - Zone 1	Designated
N	1206m SW	Medway Estuary - Zone 2	Designated
-	1407m S	Medway Estuary - Zone 1	Designated
-	1407m S	Medway Estuary - Zone 2	Designated
-	1407m S	Medway Estuary - Zone 1	Designated
-	1407m S	Medway Estuary - Zone 2	Designated
-	1561m NE	Medway Estuary - Zone 2	Designated
-	1561m NE	Medway Estuary - Zone 1	Designated
-	1594m SE	Medway Estuary - Zone 1	Designated
-	1594m SE	Medway Estuary - Zone 2	Designated
-	1709m E	Medway Estuary - Zone 1	Designated
-	1709m E	Medway Estuary - Zone 2	Designated
-	1709m E	Medway Estuary - Zone 1	Designated
-	1709m E	Medway Estuary - Zone 2	Designated
-	1711m E	Medway Estuary - Zone 1	Designated
-	1711m E	Medway Estuary - Zone 2	Designated
-	1712m E	Medway Estuary - Zone 1	Designated
-	1712m E	Medway Estuary - Zone 2	Designated
-	1715m E	Medway Estuary - Zone 1	Designated
-	1715m E	Medway Estuary - Zone 2	Designated
-	1716m E	Medway Estuary - Zone 1	Designated
-	1716m E	Medway Estuary - Zone 2	Designated



ID	Location	Name	Status
-	1716m E	Medway Estuary - Zone 1	Designated
-	1716m E	Medway Estuary - Zone 2	Designated
-	1717m E	Medway Estuary - Zone 1	Designated
-	1717m E	Medway Estuary - Zone 2	Designated
-	1717m E	Medway Estuary - Zone 1	Designated
-	1717m E	Medway Estuary - Zone 2	Designated
-	1717m E	Medway Estuary - Zone 1	Designated
-	1717m E	Medway Estuary - Zone 2	Designated
-	1717m E	Medway Estuary - Zone 1	Designated
-	1717m E	Medway Estuary - Zone 2	Designated
-	1717m E	Medway Estuary - Zone 1	Designated
-	1717m E	Medway Estuary - Zone 2	Designated
-	1717m E	Medway Estuary - Zone 1	Designated
-	1717m E	Medway Estuary - Zone 2	Designated
-	1730m SW	Medway Estuary - Zone 1	Designated
-	1730m SW	Medway Estuary - Zone 2	Designated
-	1751m E	Medway Estuary - Zone 1	Designated
-	1751m E	Medway Estuary - Zone 2	Designated
-	1767m E	Medway Estuary - Zone 1	Designated
-	1767m E	Medway Estuary - Zone 2	Designated
-	1852m SE	Medway Estuary - Zone 1	Designated
-	1852m SE	Medway Estuary - Zone 2	Designated
-	1880m SE	Medway Estuary - Zone 1	Designated
-	1880m SE	Medway Estuary - Zone 2	Designated
-	1909m SE	Medway Estuary - Zone 1	Designated
-	1909m SE	Medway Estuary - Zone 2	Designated
-	1921m SE	Medway Estuary - Zone 1	Designated
-	1921m SE	Medway Estuary - Zone 2	Designated

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

3

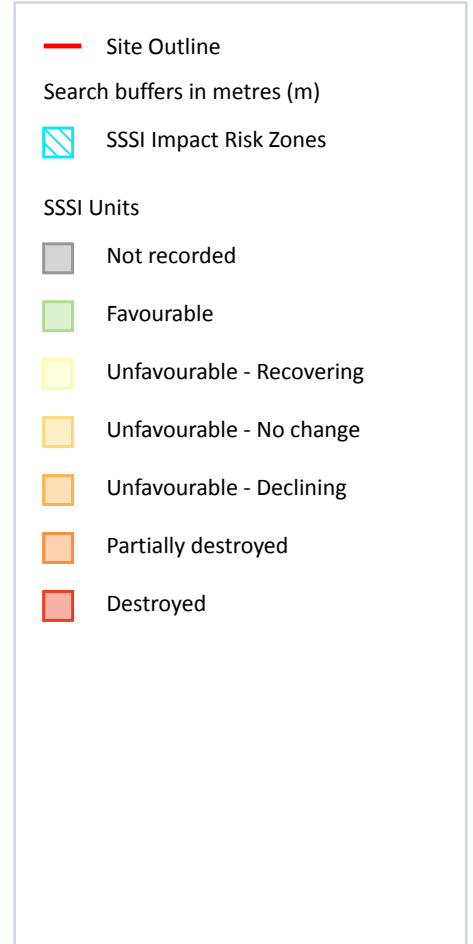
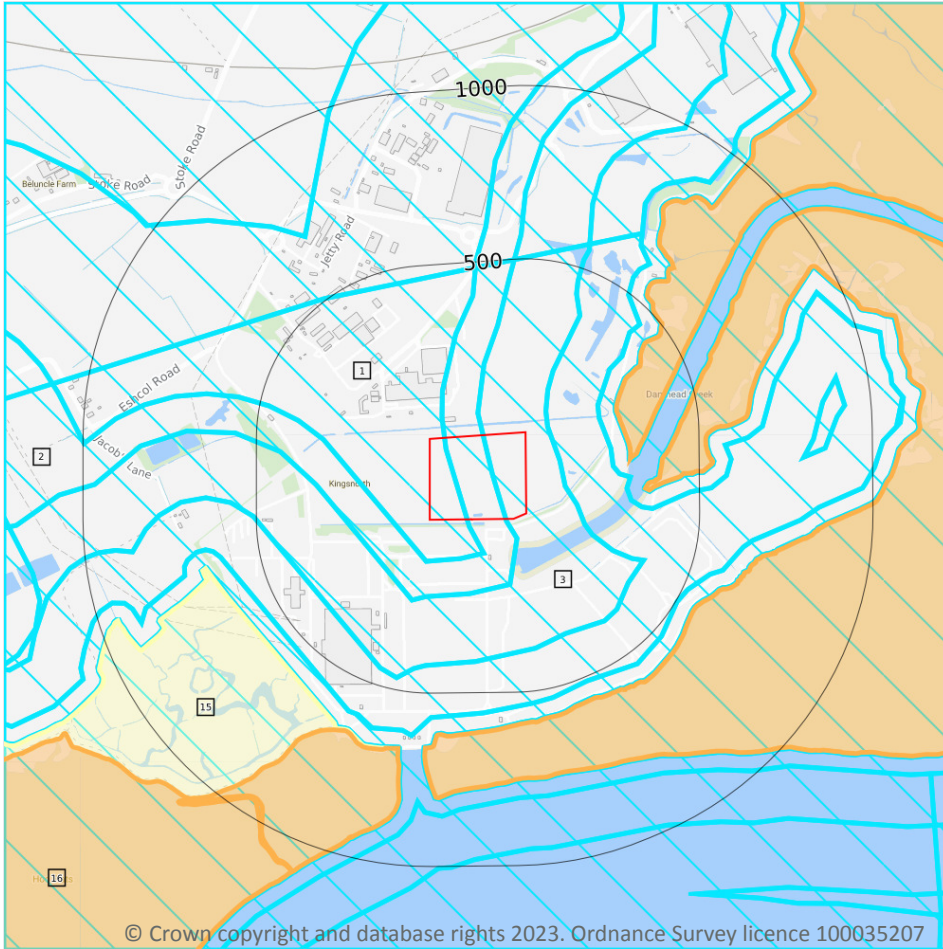
Areas at risk from agricultural nitrate pollution designated under the EC Nitrate Directive (91/676/EEC). These are areas of land that drain into waters polluted by nitrates. Farmers operating within these areas have to follow mandatory rules to tackle nitrate loss from agriculture.

Location	Name	Type	NVZ ID	Status
On site	Tidal Medway Drain A NVZ	Surface Water	829	Existing
On site	Tidal Medway Drain B NVZ	Surface Water	830	Existing
388m NE	COASTAL STREAMS TO LOWER THAMES NVZ	Surface Water	665	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

3

Developed to allow rapid initial assessment of the potential risks to SSSIs posed by development proposals. They define zones around each SSSI which reflect the particular sensitivities of the features for which it is notified and indicate the types of development proposal which could potentially have adverse impacts.

Features are displayed on the SSSI Impact Zones and Units map on [page 89](#) >

ID	Location	Type of developments requiring consultation
1	On site	<p>All applications - All planning applications (except householder) outside or extending outside existing settlements/urban areas affecting greenspace, farmland, semi natural habitats or landscape features such as trees, hedges, streams, rural buildings/structures</p> <p>Infrastructure - Pipelines and underground cables, pylons and overhead cables. Any transport proposal including road, rail and by water (excluding routine maintenance). Airports, helipads and other aviation proposals.</p> <p>Wind and Solar - Solar schemes with footprint > 0.5ha, all wind turbines</p> <p>Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, Review of Minerals Permissions (ROMP), extensions, variations to conditions etc. Oil & gas exploration/extraction.</p> <p>Rural non-residential - Large non residential developments outside existing settlements/urban areas where net additional gross internal floorspace is > 1,000m² or footprint exceeds 0.2ha</p> <p>Residential - Residential development of 10 units or more.</p> <p>Rural residential - Any residential development of 10 or more houses outside existing settlements/urban areas.</p> <p>Air pollution - Livestock & poultry units with floorspace > 500m², slurry lagoons & digestate stores > 750m², manure stores > 3500t.</p> <p>Combustion - General combustion processes >50MW energy input. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion</p> <p>Waste - Landfill. Incl: inert landfill, non-hazardous landfill, hazardous landfill.</p> <p>Discharges - Any discharge of water or liquid waste of more than 2m³/day to ground (ie to seep away) or to surface water, such as a beck or stream.</p> <p>Water supply - Large infrastructure such as warehousing / industry where net additional gross internal floorspace is > 1,000m² or any development needing its own water supply</p> <p>Notes: Strategic solutions for recreational impacts are in place. Please contact your Local Planning Authority as they have the information to advise on specific requirements.</p>

ID	Location	Type of developments requiring consultation
2	On site	<p>All applications - All planning applications (except householder) outside or extending outside existing settlements/urban areas affecting greenspace, farmland, semi natural habitats or landscape features such as trees, hedges, streams, rural buildings/structures</p> <p>Infrastructure - Pipelines and underground cables, pylons and overhead cables. Any transport proposal including road, rail and by water (excluding routine maintenance). Airports, helipads and other aviation proposals.</p> <p>Wind and Solar - Solar schemes with footprint > 0.5ha, all wind turbines</p> <p>Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, Review of Minerals Permissions (ROMP), extensions, variations to conditions etc. Oil & gas exploration/extraction.</p> <p>Rural non-residential - Large non residential developments outside existing settlements/urban areas where net additional gross internal floorspace is > 1,000m² or footprint exceeds 0.2ha</p> <p>Residential - Residential development of 10 units or more.</p> <p>Rural residential - Any residential development of 10 or more houses outside existing settlements/urban areas.</p> <p>Air pollution - Livestock & poultry units with floorspace > 500m², slurry lagoons & digestate stores > 750m², manure stores > 3500t.</p> <p>Combustion - General combustion processes >50MW energy input. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion</p> <p>Waste - Landfill. Incl: inert landfill, non-hazardous landfill, hazardous landfill.</p> <p>Discharges - Any discharge of water or liquid waste that is discharged to ground (ie to seep away) or to surface water, such as a beck or stream.</p> <p>Water supply - Large infrastructure such as warehousing / industry where net additional gross internal floorspace is > 1,000m² or any development needing its own water supply</p> <p>Notes: Strategic solutions for recreational impacts are in place. Please contact your Local Planning Authority as they have the information to advise on specific requirements.</p>

ID	Location	Type of developments requiring consultation
3	On site	<p>All applications - All planning applications (except householder) outside or extending outside existing settlements/urban areas affecting greenspace, farmland, semi natural habitats or landscape features such as trees, hedges, streams, rural buildings/structures</p> <p>Infrastructure - Pipelines and underground cables, pylons and overhead cables. Any transport proposal including road, rail and by water (excluding routine maintenance). Airports, helipads and other aviation proposals.</p> <p>Wind and Solar - Solar schemes with footprint > 0.5ha, all wind turbines</p> <p>Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, Review of Minerals Permissions (ROMP), extensions, variations to conditions etc. Oil & gas exploration/extraction.</p> <p>Rural non-residential - Large non residential developments outside existing settlements/urban areas where net additional gross internal floorspace is > 1,000m² or footprint exceeds 0.2ha</p> <p>Residential - Residential development of 10 units or more.</p> <p>Rural residential - Any residential development of 10 or more houses outside existing settlements/urban areas.</p> <p>Air pollution - Livestock & poultry units with floorspace > 500m², slurry lagoons & digestate stores > 750m², manure stores > 3500t.</p> <p>Combustion - General combustion processes >50MW energy input. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion</p> <p>Waste - Landfill. Incl: inert landfill, non-hazardous landfill, hazardous landfill.</p> <p>Discharges - Any discharge of water or liquid waste that is discharged to ground (ie to seep away) or to surface water, such as a beck or stream.</p> <p>Water supply - Large infrastructure such as warehousing / industry where net additional gross internal floorspace is > 1,000m² or any development needing its own water supply</p> <p>Notes: For new residential development in this area financial contributions are required to mitigate increased recreational disturbance on coastal SPAs and Ramsar Sites. Check with Local Planning Authority.</p>

This data is sourced from Natural England.

10.18 SSSI Units

Records within 2000m

8

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

Features are displayed on the SSSI Impact Zones and Units map on [page 89](#) >

ID: 7
 Location: 270m NE
 SSSI name: Medway Estuary and Marshes
 Unit name: Medway Intertidal
 Broad habitat: Littoral Sediment
 Condition: Unfavourable - Declining
 Reportable features:



Feature name	Feature condition	Date of assessment
Aggregations of breeding birds - Avocet, <i>Recurvirostra avosetta</i>	Not Recorded	01/01/1900
Aggregations of breeding birds - Little tern, <i>Sterna albifrons</i>	Not Recorded	01/01/1900
Aggregations of non-breeding birds - Avocet, <i>Recurvirostra avosetta</i>	Favourable	21/03/2021
Aggregations of non-breeding birds - Black-tailed godwit, <i>Limosa limosa islandica</i>	Favourable	04/03/2021
Aggregations of non-breeding birds - Brent goose (dark-bellied), <i>Branta bernicla bernicla</i>	Unfavourable - Declining	04/03/2021
Aggregations of non-breeding birds - Curlew, <i>Numenius arquata</i>	Unfavourable - Declining	04/03/2021
Aggregations of non-breeding birds - Dunlin, <i>Calidris alpina alpina</i>	Unfavourable - Declining	31/03/2022
Aggregations of non-breeding birds - Great crested grebe, <i>Podiceps cristatus</i>	Unfavourable - Declining	31/03/2022
Aggregations of non-breeding birds - Grey plover, <i>Pluvialis squatarola</i>	Unfavourable - Declining	31/03/2022
Aggregations of non-breeding birds - Redshank, <i>Tringa totanus</i>	Unfavourable - Declining	31/03/2022
Aggregations of non-breeding birds - Ringed plover, <i>Charadrius hiaticula</i>	Unfavourable - Declining	31/03/2022
Aggregations of non-breeding birds - Shelduck, <i>Tadorna tadorna</i>	Unfavourable - Declining	31/03/2022
Aggregations of non-breeding birds - Turnstone, <i>Arenaria interpres</i>	Unfavourable - Recovering	31/03/2022
Aggregations of non-breeding birds - White-fronted goose, <i>Anser albifrons albifrons</i>	Not Recorded	01/01/1900
Aggregations of non-breeding birds - Wigeon, <i>Anas penelope</i>	Unfavourable - Declining	31/03/2022
SM4-28 - Saltmarsh	Not Recorded	01/01/1900
Vascular plant assemblage	Not Recorded	01/01/1900

ID: 9
 Location: 345m E
 SSSI name: Medway Estuary and Marshes
 Unit name: Medway Intertidal
 Broad habitat: Littoral Sediment
 Condition: Unfavourable - Declining
 Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of breeding birds - Avocet, <i>Recurvirostra avosetta</i>	Not Recorded	01/01/1900
Aggregations of breeding birds - Little tern, <i>Sterna albifrons</i>	Not Recorded	01/01/1900
Aggregations of non-breeding birds - Avocet, <i>Recurvirostra avosetta</i>	Favourable	21/03/2021



Feature name	Feature condition	Date of assessment
Aggregations of non-breeding birds - Black-tailed godwit, <i>Limosa limosa islandica</i>	Favourable	04/03/2021
Aggregations of non-breeding birds - Brent goose (dark-bellied), <i>Branta bernicla bernicla</i>	Unfavourable - Declining	04/03/2021
Aggregations of non-breeding birds - Curlew, <i>Numenius arquata</i>	Unfavourable - Declining	04/03/2021
Aggregations of non-breeding birds - Dunlin, <i>Calidris alpina alpina</i>	Unfavourable - Declining	31/03/2022
Aggregations of non-breeding birds - Great crested grebe, <i>Podiceps cristatus</i>	Unfavourable - Declining	31/03/2022
Aggregations of non-breeding birds - Grey plover, <i>Pluvialis squatarola</i>	Unfavourable - Declining	31/03/2022
Aggregations of non-breeding birds - Redshank, <i>Tringa totanus</i>	Unfavourable - Declining	31/03/2022
Aggregations of non-breeding birds - Ringed plover, <i>Charadrius hiaticula</i>	Unfavourable - Declining	31/03/2022
Aggregations of non-breeding birds - Shelduck, <i>Tadorna tadorna</i>	Unfavourable - Declining	31/03/2022
Aggregations of non-breeding birds - Turnstone, <i>Arenaria interpres</i>	Unfavourable - Recovering	31/03/2022
Aggregations of non-breeding birds - White-fronted goose, <i>Anser albifrons albifrons</i>	Not Recorded	01/01/1900
Aggregations of non-breeding birds - Wigeon, <i>Anas penelope</i>	Unfavourable - Declining	31/03/2022
SM4-28 - Saltmarsh	Not Recorded	01/01/1900
Vascular plant assemblage	Not Recorded	01/01/1900

ID: 15
 Location: 589m SW
 SSSI name: Medway Estuary and Marshes
 Unit name: Kingsnorth Grazing Marsh
 Broad habitat: Neutral Grassland - Lowland
 Condition: Unfavourable - Recovering
 Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of non-breeding birds - Black-tailed godwit, <i>Limosa limosa islandica</i>	Favourable	04/03/2021
Aggregations of non-breeding birds - Brent goose (dark-bellied), <i>Branta bernicla bernicla</i>	Unfavourable - Declining	04/03/2021
Aggregations of non-breeding birds - Curlew, <i>Numenius arquata</i>	Unfavourable - Declining	04/03/2021
Aggregations of non-breeding birds - Grey plover, <i>Pluvialis squatarola</i>	Unfavourable - Declining	31/03/2022



Feature name	Feature condition	Date of assessment
Aggregations of non-breeding birds - Redshank, <i>Tringa totanus</i>	Unfavourable - Declining	31/03/2022
Aggregations of non-breeding birds - Shelduck, <i>Tadorna tadorna</i>	Unfavourable - Declining	31/03/2022
Aggregations of non-breeding birds - White-fronted goose, <i>Anser albifrons albifrons</i>	Not Recorded	01/01/1900
Aggregations of non-breeding birds - Wigeon, <i>Anas penelope</i>	Unfavourable - Declining	31/03/2022
Assemblages of breeding birds - Lowland damp grasslands	Unfavourable - Recovering	07/09/2010
Ditches	Not Recorded	01/01/1900
Vascular plant assemblage	Not Recorded	01/01/1900

ID: 16
Location: 656m SW
SSSI name: Medway Estuary and Marshes
Unit name: Medway Intertidal
Broad habitat: Littoral Sediment
Condition: Unfavourable - Declining
Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of breeding birds - Avocet, <i>Recurvirostra avosetta</i>	Not Recorded	01/01/1900
Aggregations of breeding birds - Little tern, <i>Sterna albifrons</i>	Not Recorded	01/01/1900
Aggregations of non-breeding birds - Avocet, <i>Recurvirostra avosetta</i>	Favourable	21/03/2021
Aggregations of non-breeding birds - Black-tailed godwit, <i>Limosa limosa islandica</i>	Favourable	04/03/2021
Aggregations of non-breeding birds - Brent goose (dark-bellied), <i>Branta bernicla bernicla</i>	Unfavourable - Declining	04/03/2021
Aggregations of non-breeding birds - Curlew, <i>Numenius arquata</i>	Unfavourable - Declining	04/03/2021
Aggregations of non-breeding birds - Dunlin, <i>Calidris alpina alpina</i>	Unfavourable - Declining	31/03/2022
Aggregations of non-breeding birds - Great crested grebe, <i>Podiceps cristatus</i>	Unfavourable - Declining	31/03/2022
Aggregations of non-breeding birds - Grey plover, <i>Pluvialis squatarola</i>	Unfavourable - Declining	31/03/2022
Aggregations of non-breeding birds - Redshank, <i>Tringa totanus</i>	Unfavourable - Declining	31/03/2022
Aggregations of non-breeding birds - Ringed plover, <i>Charadrius hiaticula</i>	Unfavourable - Declining	31/03/2022
Aggregations of non-breeding birds - Shelduck, <i>Tadorna tadorna</i>	Unfavourable - Declining	31/03/2022
Aggregations of non-breeding birds - Turnstone, <i>Arenaria interpres</i>	Unfavourable - Recovering	31/03/2022



Feature name	Feature condition	Date of assessment
Aggregations of non-breeding birds - White-fronted goose, <i>Anser albifrons albifrons</i>	Not Recorded	01/01/1900
Aggregations of non-breeding birds - Wigeon, <i>Anas penelope</i>	Unfavourable - Declining	31/03/2022
SM4-28 - Saltmarsh	Not Recorded	01/01/1900
Vascular plant assemblage	Not Recorded	01/01/1900

ID: -
 Location: 1350m W
 SSSI name: Medway Estuary and Marshes
 Unit name: Abbots Court Marsh
 Broad habitat: Neutral Grassland - Lowland
 Condition: Unfavourable - Recovering
 Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of non-breeding birds - Black-tailed godwit, <i>Limosa limosa islandica</i>	Favourable	04/03/2021
Aggregations of non-breeding birds - Brent goose (dark-bellied), <i>Branta bernicla bernicla</i>	Unfavourable - Declining	04/03/2021
Aggregations of non-breeding birds - Curlew, <i>Numenius arquata</i>	Unfavourable - Declining	04/03/2021
Aggregations of non-breeding birds - Grey plover, <i>Pluvialis squatarola</i>	Unfavourable - Declining	31/03/2022
Aggregations of non-breeding birds - Pintail, <i>Anas acuta</i>	Favourable	04/03/2021
Aggregations of non-breeding birds - Redshank, <i>Tringa totanus</i>	Unfavourable - Declining	31/03/2022
Aggregations of non-breeding birds - Shoveler, <i>Anas clypeata</i>	Favourable	04/03/2021
Aggregations of non-breeding birds - Teal, <i>Anas crecca</i>	Favourable	04/03/2021
Aggregations of non-breeding birds - White-fronted goose, <i>Anser albifrons albifrons</i>	Not Recorded	01/01/1900
Aggregations of non-breeding birds - Wigeon, <i>Anas penelope</i>	Unfavourable - Declining	31/03/2022
Assemblages of breeding birds - Lowland damp grasslands	Unfavourable - Recovering	31/08/2010
Ditches	Not Recorded	01/01/1900
Vascular plant assemblage	Not Recorded	01/01/1900



ID: -
 Location: 1433m SW
 SSSI name: Medway Estuary and Marshes
 Unit name: Abbots Court Marsh
 Broad habitat: Neutral Grassland - Lowland
 Condition: Unfavourable - Recovering
 Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of non-breeding birds - Black-tailed godwit, <i>Limosa limosa islandica</i>	Favourable	04/03/2021
Aggregations of non-breeding birds - Brent goose (dark-bellied), <i>Branta bernicla bernicla</i>	Unfavourable - Declining	04/03/2021
Aggregations of non-breeding birds - Curlew, <i>Numenius arquata</i>	Unfavourable - Declining	04/03/2021
Aggregations of non-breeding birds - Grey plover, <i>Pluvialis squatarola</i>	Unfavourable - Declining	31/03/2022
Aggregations of non-breeding birds - Pintail, <i>Anas acuta</i>	Favourable	04/03/2021
Aggregations of non-breeding birds - Redshank, <i>Tringa totanus</i>	Unfavourable - Declining	31/03/2022
Aggregations of non-breeding birds - Shoveler, <i>Anas clypeata</i>	Favourable	04/03/2021
Aggregations of non-breeding birds - Teal, <i>Anas crecca</i>	Favourable	04/03/2021
Aggregations of non-breeding birds - White-fronted goose, <i>Anser albifrons albifrons</i>	Not Recorded	01/01/1900
Aggregations of non-breeding birds - Wigeon, <i>Anas penelope</i>	Unfavourable - Declining	31/03/2022
Assemblages of breeding birds - Lowland damp grasslands	Unfavourable - Recovering	31/08/2010
Ditches	Not Recorded	01/01/1900
Vascular plant assemblage	Not Recorded	01/01/1900

ID: -
 Location: 1482m S
 SSSI name: Medway Estuary and Marshes
 Unit name: Medway Intertidal
 Broad habitat: Littoral Sediment
 Condition: Unfavourable - Declining
 Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of breeding birds - Avocet, <i>Recurvirostra avosetta</i>	Not Recorded	01/01/1900



Feature name	Feature condition	Date of assessment
Aggregations of breeding birds - Little tern, <i>Sterna albifrons</i>	Not Recorded	01/01/1900
Aggregations of non-breeding birds - Avocet, <i>Recurvirostra avosetta</i>	Favourable	21/03/2021
Aggregations of non-breeding birds - Black-tailed godwit, <i>Limosa limosa islandica</i>	Favourable	04/03/2021
Aggregations of non-breeding birds - Brent goose (dark-bellied), <i>Branta bernicla bernicla</i>	Unfavourable - Declining	04/03/2021
Aggregations of non-breeding birds - Curlew, <i>Numenius arquata</i>	Unfavourable - Declining	04/03/2021
Aggregations of non-breeding birds - Dunlin, <i>Calidris alpina alpina</i>	Unfavourable - Declining	31/03/2022
Aggregations of non-breeding birds - Great crested grebe, <i>Podiceps cristatus</i>	Unfavourable - Declining	31/03/2022
Aggregations of non-breeding birds - Grey plover, <i>Pluvialis squatarola</i>	Unfavourable - Declining	31/03/2022
Aggregations of non-breeding birds - Redshank, <i>Tringa totanus</i>	Unfavourable - Declining	31/03/2022
Aggregations of non-breeding birds - Ringed plover, <i>Charadrius hiaticula</i>	Unfavourable - Declining	31/03/2022
Aggregations of non-breeding birds - Shelduck, <i>Tadorna tadorna</i>	Unfavourable - Declining	31/03/2022
Aggregations of non-breeding birds - Turnstone, <i>Arenaria interpres</i>	Unfavourable - Recovering	31/03/2022
Aggregations of non-breeding birds - White-fronted goose, <i>Anser albifrons albifrons</i>	Not Recorded	01/01/1900
Aggregations of non-breeding birds - Wigeon, <i>Anas penelope</i>	Unfavourable - Declining	31/03/2022
SM4-28 - Saltmarsh	Not Recorded	01/01/1900
Vascular plant assemblage	Not Recorded	01/01/1900

ID: -
 Location: 1912m SW
 SSSI name: Medway Estuary and Marshes
 Unit name: Medway Intertidal
 Broad habitat: Littoral Sediment
 Condition: Unfavourable - Declining
 Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of breeding birds - Avocet, <i>Recurvirostra avosetta</i>	Not Recorded	01/01/1900
Aggregations of breeding birds - Little tern, <i>Sterna albifrons</i>	Not Recorded	01/01/1900
Aggregations of non-breeding birds - Avocet, <i>Recurvirostra avosetta</i>	Favourable	21/03/2021



Feature name	Feature condition	Date of assessment
Aggregations of non-breeding birds - Black-tailed godwit, Limosa limosa islandica	Favourable	04/03/2021
Aggregations of non-breeding birds - Brent goose (dark-bellied), Branta bernicla bernicla	Unfavourable - Declining	04/03/2021
Aggregations of non-breeding birds - Curlew, Numenius arquata	Unfavourable - Declining	04/03/2021
Aggregations of non-breeding birds - Dunlin, Calidris alpina alpina	Unfavourable - Declining	31/03/2022
Aggregations of non-breeding birds - Great crested grebe, Podiceps cristatus	Unfavourable - Declining	31/03/2022
Aggregations of non-breeding birds - Grey plover, Pluvialis squatarola	Unfavourable - Declining	31/03/2022
Aggregations of non-breeding birds - Redshank, Tringa totanus	Unfavourable - Declining	31/03/2022
Aggregations of non-breeding birds - Ringed plover, Charadrius hiaticula	Unfavourable - Declining	31/03/2022
Aggregations of non-breeding birds - Shelduck, Tadorna tadorna	Unfavourable - Declining	31/03/2022
Aggregations of non-breeding birds - Turnstone, Arenaria interpres	Unfavourable - Recovering	31/03/2022
Aggregations of non-breeding birds - White-fronted goose, Anser albifrons albifrons	Not Recorded	01/01/1900
Aggregations of non-breeding birds - Wigeon, Anas penelope	Unfavourable - Declining	31/03/2022
SM4-28 - Saltmarsh	Not Recorded	01/01/1900
Vascular plant assemblage	Not Recorded	01/01/1900

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



11 Visual and cultural designations

11.1 World Heritage Sites

Records within 250m

0

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

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

11.2 Area of Outstanding Natural Beauty

Records within 250m

0

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

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

11.3 National Parks

Records within 250m

0

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

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

11.4 Listed Buildings

Records within 250m

0

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



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

11.5 Conservation Areas

Records within 250m

0

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

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

11.6 Scheduled Ancient Monuments

Records within 250m

0

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

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

11.7 Registered Parks and Gardens

Records within 250m

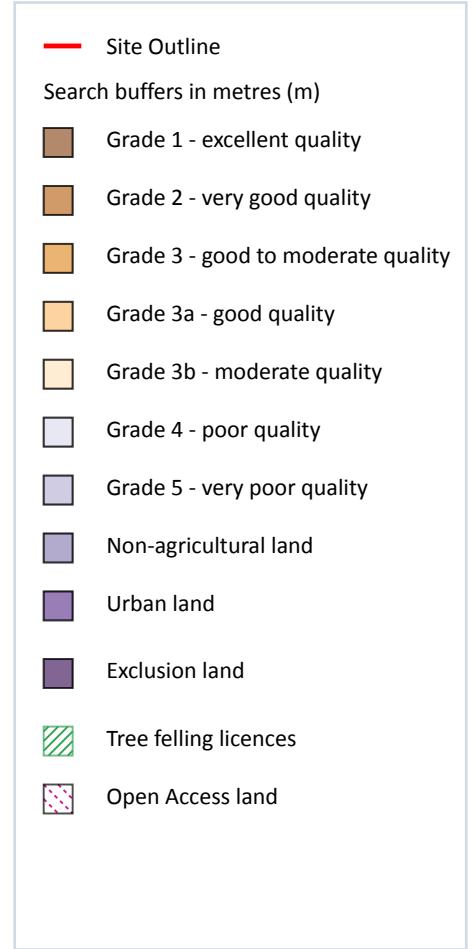
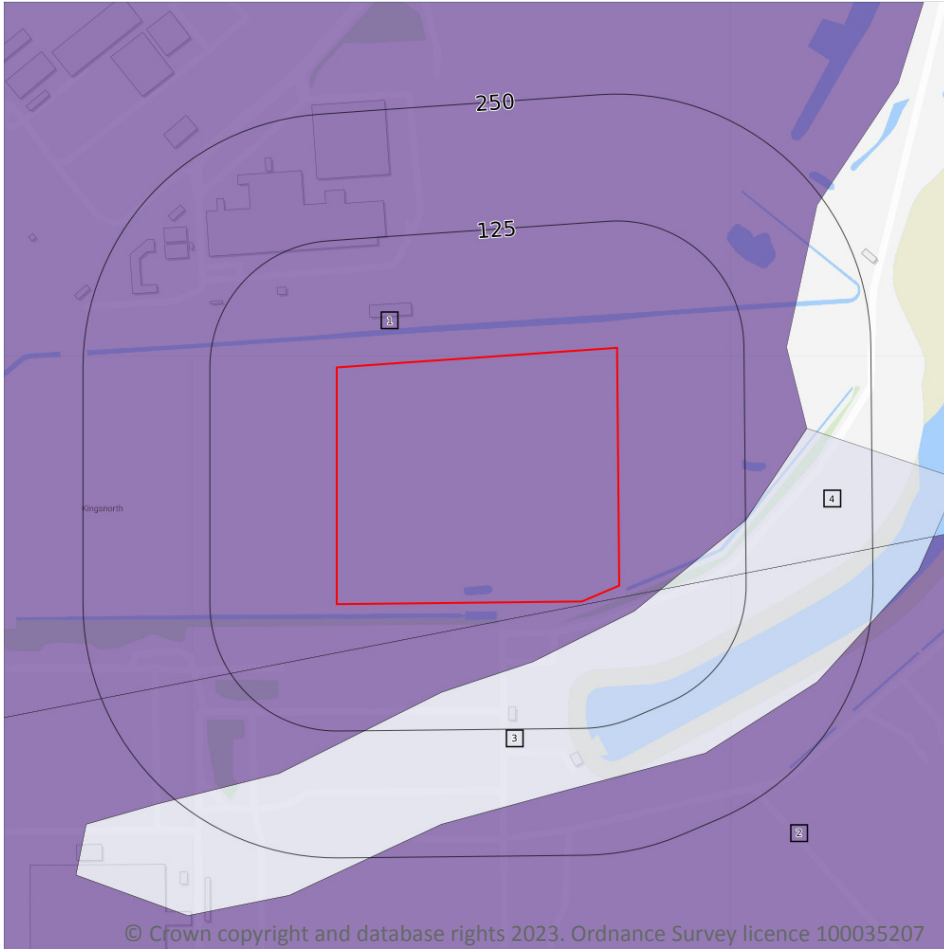
0

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

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



12 Agricultural designations



12.1 Agricultural Land Classification

Records within 250m

4

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 102](#) >

ID	Location	Classification	Description
1	On site	Urban	-
2	3m SE	Urban	-

ID	Location	Classification	Description
3	29m SE	Grade 4	Poor quality agricultural land. Land with severe limitations which significantly restrict the range of crops and/or level of yields. It is mainly suited to grass with occasional arable crops (e.g. cereals and forage crops) the yields of which are variable. In moist climates, yields of grass may be moderate to high but there may be difficulties in utilisation. The grade also includes very droughty arable land.
4	41m SE	Grade 4	Poor quality agricultural land. Land with severe limitations which significantly restrict the range of crops and/or level of yields. It is mainly suited to grass with occasional arable crops (e.g. cereals and forage crops) the yields of which are variable. In moist climates, yields of grass may be moderate to high but there may be difficulties in utilisation. The grade also includes very droughty arable land.

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

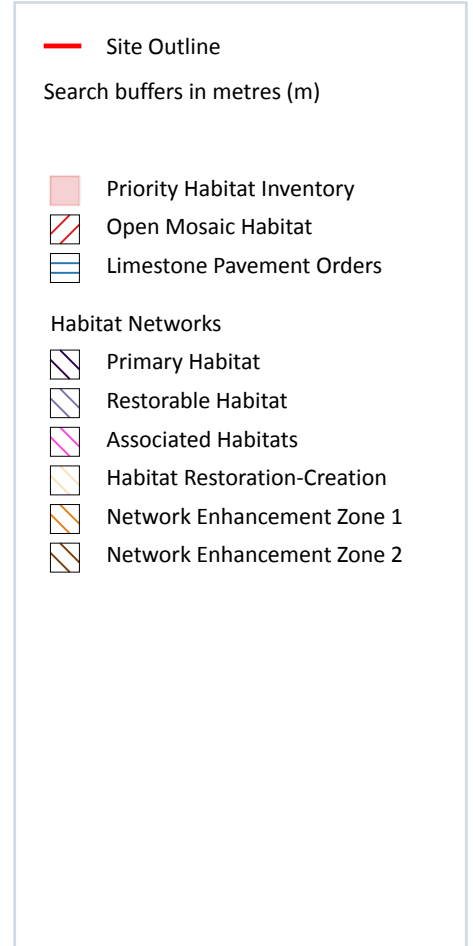
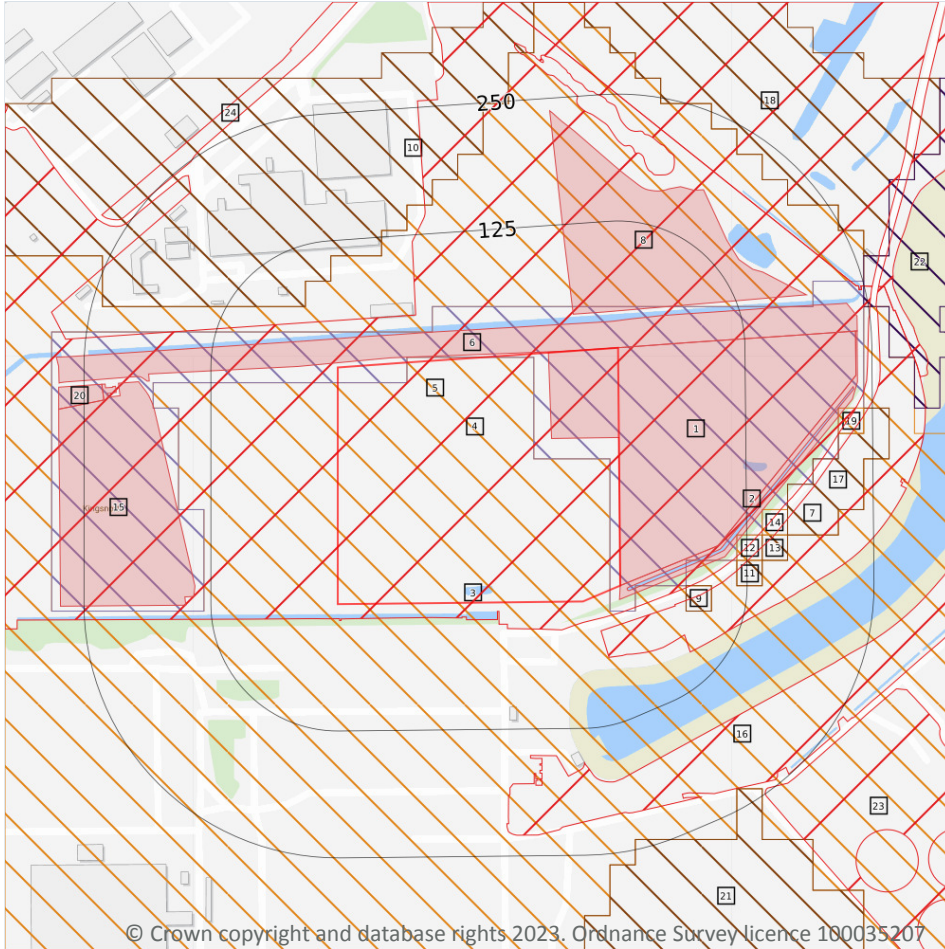
0

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

6

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

Features are displayed on the Habitat designations map on [page 105 >](#)

ID	Location	Main Habitat	Other habitats
1	On site	Coastal and floodplain grazing marsh	Main habitat: CFPGM (INV > 50%)
2	On site	Coastal and floodplain grazing marsh	Main habitat: CFPGM (INV > 50%)
6	0m NE	Coastal and floodplain grazing marsh	Main habitat: CFPGM (INV > 50%)
8	36m NE	Coastal and floodplain grazing marsh	Main habitat: CFPGM (INV > 50%)

ID	Location	Main Habitat	Other habitats
15	141m W	Coastal and floodplain grazing marsh	Main habitat: CFPGM (INV > 50%)
20	230m W	Coastal and floodplain grazing marsh	Main habitat: CFPGM (INV > 50%)

This data is sourced from Natural England.

13.2 Habitat Networks

Records within 250m

12

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

Features are displayed on the Habitat designations map on [page 105 >](#)

ID	Location	Type	Habitat
3	On site	Network Enhancement Zone 1	Not specified
4	On site	Restorable Habitat	Not specified
9	65m SE	Network Enhancement Zone 2	Not specified
10	68m NW	Network Enhancement Zone 2	Not specified
11	115m E	Network Enhancement Zone 2	Not specified
12	115m E	Network Enhancement Zone 1	Not specified
13	140m E	Network Enhancement Zone 2	Not specified
14	140m E	Network Enhancement Zone 1	Not specified
17	165m E	Network Enhancement Zone 2	Not specified
19	216m E	Network Enhancement Zone 1	Not specified
21	231m SE	Network Enhancement Zone 2	Not specified
22	245m NE	Primary Habitat	Saltmarsh

This data is sourced from Natural England.

13.3 Open Mosaic Habitat

Records within 250m

6

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



Features are displayed on the Habitat designations map on [page 105 >](#)

ID	Location	Site reference	Identification confidence	Primary source	Secondary source	Tertiary source
5	On site	Kingsnorth Industrial Estate	High	BugLife All Of A Buzz Data	National Land Use Database - Previously Developed Land	UK Perspectives Aerial Photography
7	34m SE	Kingsnorth Industrial Estate	High	BugLife All Of A Buzz Data	National Land Use Database - Previously Developed Land	UK Perspectives Aerial Photography
16	151m S	Kingsnorth Industrial Estate	High	BugLife All Of A Buzz Data	National Land Use Database - Previously Developed Land	UK Perspectives Aerial Photography
18	194m NE	NLUD Ref: 228000124	Low	National Land Use Database - Previously Developed Land	Environment Agency Historic Landfill Sites	UK Perspectives Aerial Photography
23	247m SE	Kingsnorth Industrial Estate	High	BugLife All Of A Buzz Data	National Land Use Database - Previously Developed Land	UK Perspectives Aerial Photography
24	248m NW	Kingsnorth Industrial Estate	High	BugLife All Of A Buzz Data	National Land Use Database - Previously Developed Land	UK Perspectives Aerial Photography

This data is sourced from Natural England.

13.4 Limestone Pavement Orders

Records within 250m

0

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

This data is sourced from Natural England.



14 Geology 1:10,000 scale - Availability



— Site Outline
 Search buffers in metres (m)

- Full coverage
- Partial coverage
- No coverage

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14.1 10k Availability

Records within 500m

1

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

Features are displayed on the Geology 1:10,000 scale - Availability map on [page 108 >](#)

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

This data is sourced from the British Geological Survey.

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

14.2 Artificial and made ground (10k)

Records within 500m

0

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

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Superficial

14.3 Superficial geology (10k)

Records within 500m

0

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

This data is sourced from the British Geological Survey.

14.4 Landslip (10k)

Records within 500m

0

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

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Bedrock

14.5 Bedrock geology (10k)

Records within 500m

0

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

This data is sourced from the British Geological Survey.

14.6 Bedrock faults and other linear features (10k)

Records within 500m

0

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

This data is sourced from the British Geological Survey.



15 Geology 1:50,000 scale - Availability



— Site Outline
Search buffers in metres (m)

□ Geological map tile

15.1 50k Availability

Records within 500m

1

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

Features are displayed on the Geology 1:50,000 scale - Availability map on [page 112](#) >

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	Full	EW272_chatham_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

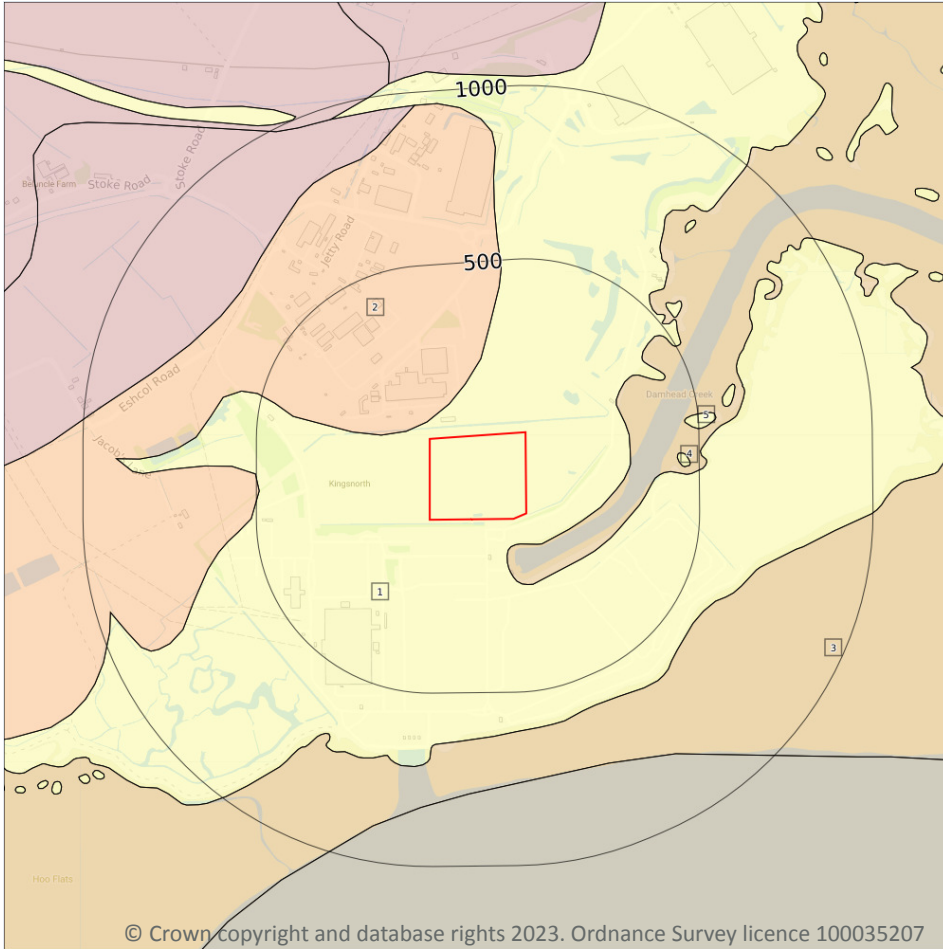
0


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 114](#) >

ID	Location	LEX Code	Description	Rock description
1	On site	ALV-XCZSP	ALLUVIUM	CLAY, SILT, SAND AND PEAT
2	48m NW	RTD1-XCZ	RIVER TERRACE DEPOSITS, 1	CLAY AND SILT
3	75m SE	BTFU-XCZS	BEACH AND TIDAL FLAT DEPOSITS (UNDIFFERENTIATED)	CLAY, SILT AND SAND
4	437m E	ALV-XCZSP	ALLUVIUM	CLAY, SILT, SAND AND PEAT



ID	Location	LEX Code	Description	Rock description
5	460m E	ALV-XCZSP	ALLUVIUM	CLAY, SILT, SAND AND PEAT

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	Moderate	Very Low
48m NW	Mixed	Low	Very Low

This data is sourced from the British Geological Survey.

15.6 Landslip (50k)

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

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

This data is sourced from the British Geological Survey.

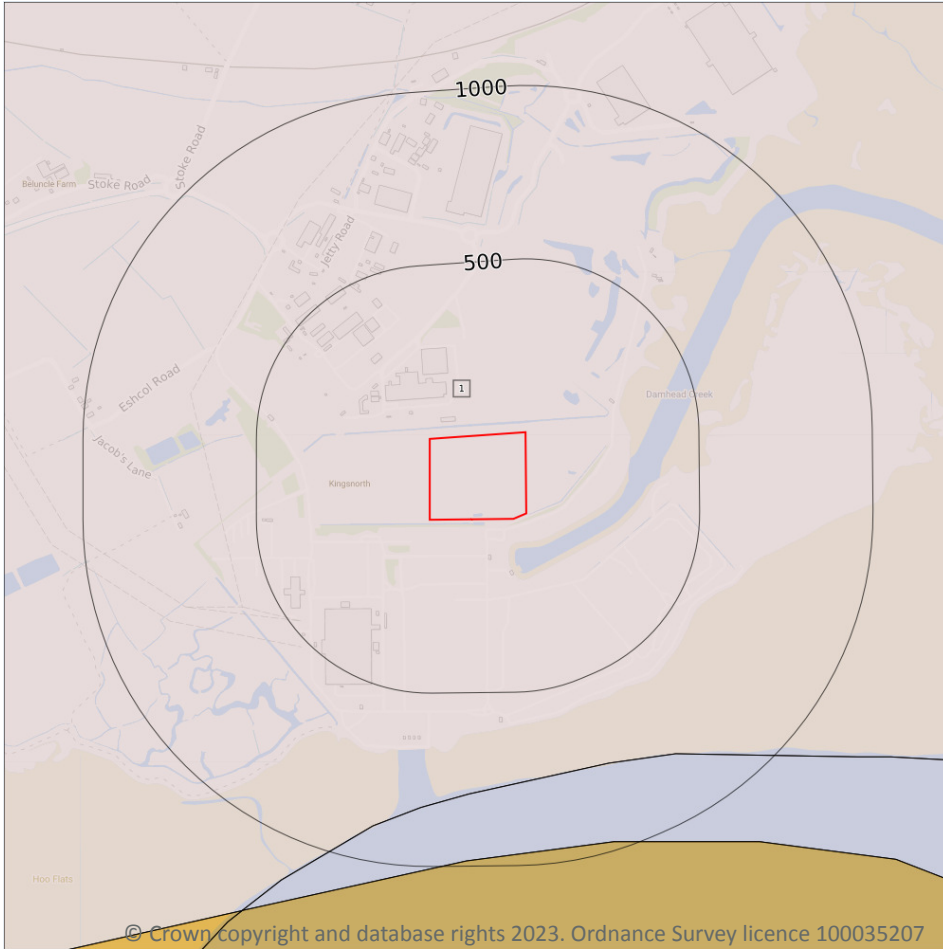
15.7 Landslip permeability (50k)

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

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

This data is sourced from the British Geological Survey.

Geology 1:50,000 scale - Bedrock



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

15.8 Bedrock geology (50k)

Records within 500m

1

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 116](#) >

ID	Location	LEX Code	Description	Rock age
1	On site	LC-XCZ	LONDON CLAY FORMATION - CLAY AND SILT	YPRESIAN

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	Mixed	Low	Very Low

This data is sourced from the British Geological Survey.

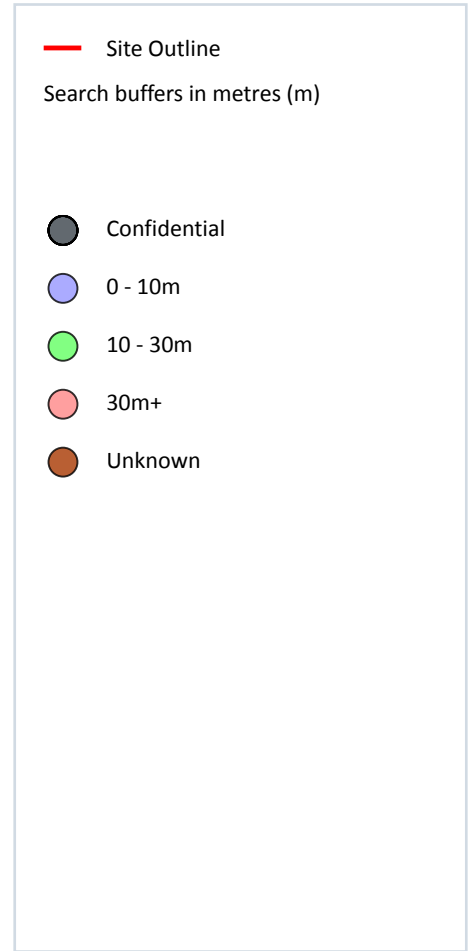
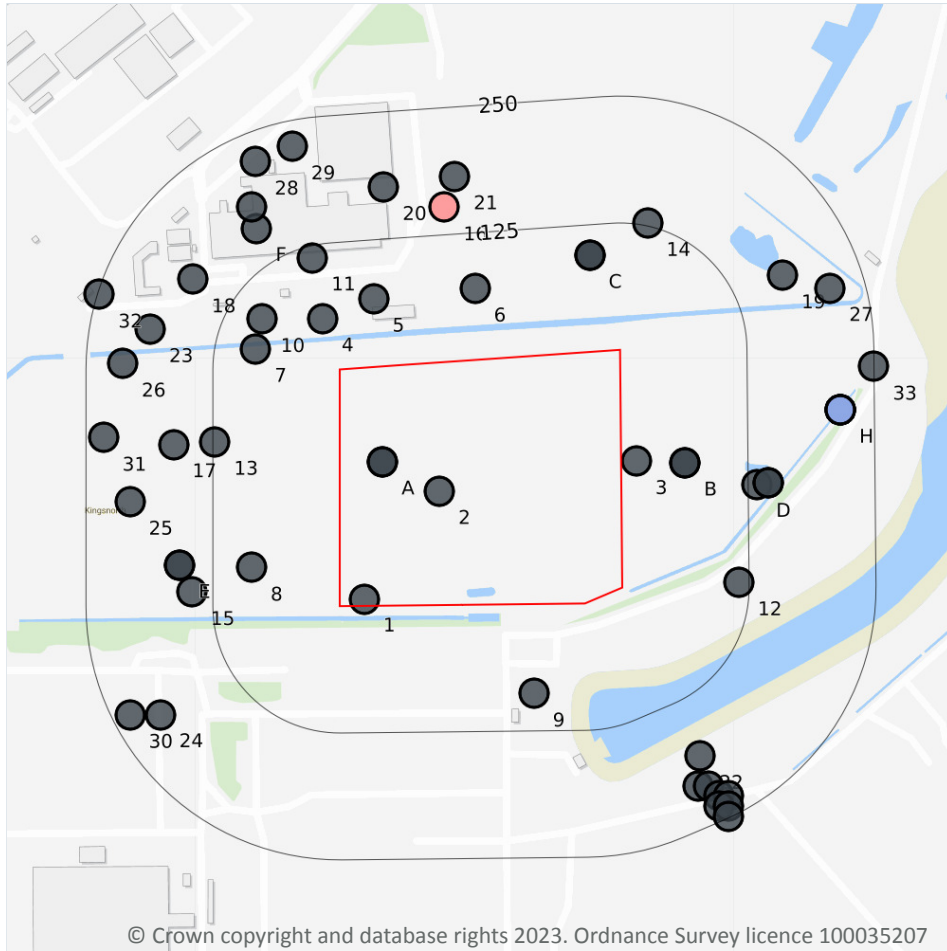
15.10 Bedrock faults and other linear features (50k)

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



16.1 BGS Boreholes

Records within 250m

59

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 118](#) >

ID	Location	Grid reference	Name	Length	Confidential	Web link
1	On site	581031 172414	KINGSNORTH B POWER STN TP 417	-	Y	N/A
2	On site	581105 172520	KINGSNORTH B POWER STN 923	-	Y	N/A
A	On site	581049 172549	KINGSNORTH B POWER STN 132	-	Y	N/A

ID	Location	Grid reference	Name	Length	Confidential	Web link
A	On site	581049 172549	KINGSNORTH B POWER STATION 132	-	Y	N/A
3	15m E	581299 172550	KINGSNORTH B POWER STN 905	-	Y	N/A
4	53m NW	580990 172690	DAMHEAD CREEK POWER PLANT R12	-	Y	N/A
B	63m E	581347 172548	KINGSNORTH B POWER STN 130	-	Y	N/A
B	63m E	581347 172548	KINGSNORTH B POWER STATION 130	-	Y	N/A
5	67m NW	581040 172710	DAMHEAD CREEK POWER PLANT R4	-	Y	N/A
6	70m N	581140 172720	DAMHEAD CREEK POWER PLANT R3	-	Y	N/A
7	85m NW	580924 172660	KINGSNORTH B POWER STN 930	-	Y	N/A
8	87m W	580920 172445	KINGSNORTH B POWER STN 916	-	Y	N/A
9	88m S	581198 172321	KINGSNORTH B POWER STN 913	-	Y	N/A
10	92m NW	580930 172690	DAMHEAD CREEK POWER PLANT R9	-	Y	N/A
C	96m NE	581253 172753	KINGSNORTH B POWER STN 109	-	Y	N/A
C	96m NE	581253 172753	KINGSNORTH B POWER STATION 109	-	Y	N/A
11	113m NW	580980 172750	DAMHEAD CREEK POWER PLANT R11	-	Y	N/A
12	115m E	581400 172430	KINGSNORTH B POWER STN 917	-	Y	N/A
13	123m W	580884 172569	KINGSNORTH B POWER STN 904	-	Y	N/A
14	128m NE	581310 172784	KINGSNORTH B POWER STN 933	-	Y	N/A
D	134m E	581418 172527	KINGSNORTH B POWER STN TP 419	-	Y	N/A
D	145m E	581429 172528	KINGSNORTH B POWER STN 129	-	Y	N/A
D	145m E	581429 172528	KINGSNORTH B POWER STATION 129	-	Y	N/A
15	146m W	580861 172421	KINGSNORTH B POWER STN TP 414	-	Y	N/A
16	152m N	581110 172800	DAMHEAD CREEK POWER STATION	201.0	N	18250504 ↗
E	158m W	580849 172447	KINGSNORTH B POWER STN 138	-	Y	N/A
E	158m W	580849 172447	KINGSNORTH B POWER STATION 138	-	Y	N/A
F	161m NW	580925 172779	KINGSNORTH B POWER STN 937	-	Y	N/A
17	164m W	580843 172566	KINGSNORTH B POWER STN 959	-	Y	N/A
18	170m NW	580862 172729	KINGSNORTH B POWER STN TP 413	-	Y	N/A
19	176m NE	581443 172733	KINGSNORTH B POWER STN 958	-	Y	N/A



ID	Location	Grid reference	Name	Length	Confidential	Web link
20	176m N	581050 172820	DAMHEAD CREEK POWER PLANT R5	-	Y	N/A
21	182m N	581120 172830	DAMHEAD CREEK POWER PLANT R2	-	Y	N/A
F	182m NW	580920 172800	DAMHEAD CREEK POWER PLANT R8	-	Y	N/A
22	183m SE	581362 172259	KINGSNORTH B POWER STN TP 420	-	Y	N/A
23	191m NW	580820 172680	DAMHEAD CREEK POWER PLANT R10	-	Y	N/A
24	207m SW	580830 172300	C.E.G.B. KINGSNORTH D.C. SCHEME E	-	Y	N/A
25	207m W	580800 172510	KINGSNORTH B POWER STN 922	-	Y	N/A
G	209m SE	581360 172230	K'NORTH P.S. LIGHT FUEL OIL TANKS T/P 3	-	Y	N/A
G	213m SE	581370 172230	K'NORTH P.S. LIGHT FUEL OIL TANKS T/P 4	-	Y	N/A
26	214m W	580793 172646	KINGSNORTH B POWER STN 929	-	Y	N/A
27	216m NE	581490 172720	KINGSNORTH-GRAIN FUEL OIL PIPELINE 31	-	Y	N/A
H	217m E	581500 172600	K'NORTH P.S. HEAVY STORES BLDG 1	12.9	N	756310 ↗
H	217m E	581500 172600	K'NORTH P.S. HEAVY STORES BLDG 2	13.0	N	756311 ↗
H	217m E	581500 172600	K'NORTH P.S. HEAVY STORES BLDG 4	12.0	N	756313 ↗
H	217m E	581500 172600	K'NORTH P.S. HEAVY STORES BLDG 5A	5.0	N	756315 ↗
H	217m E	581500 172600	K'NORTH P.S. HEAVY STORES BLDG 3	12.0	N	756312 ↗
H	217m E	581500 172600	K'NORTH P.S. HEAVY STORES BLDG 5	5.0	N	756314 ↗
28	221m NW	580924 172845	KINGSNORTH B POWER STN TP 415	-	Y	N/A
29	225m NW	580960 172860	DAMHEAD CREEK POWER PLANT R7	-	Y	N/A
G	226m SE	581380 172220	K'NORTH P.S. LIGHT FUEL OIL TANKS T/P 2	-	Y	N/A
G	230m SE	581390 172220	K'NORTH P.S. LIGHT FUEL OIL TANKS T/P 5	-	Y	N/A
30	233m SW	580800 172300	C.E.G.B. KINGSNORTH D.C. SCHEME D	-	Y	N/A
31	233m W	580774 172573	KINGSNORTH B POWER STN TP 412	-	Y	N/A
G	235m SE	581380 172210	K'NORTH P.S. LIGHT FUEL OIL TANKS A	-	Y	N/A
G	239m SE	581390 172210	K'NORTH P.S. LIGHT FUEL OIL TANKS B	-	Y	N/A
32	248m NW	580770 172714	KINGSNORTH B POWER STN 954	-	Y	N/A
G	248m SE	581390 172200	K'NORTH P.S. LIGHT FUEL OIL TANKS T/P 6	-	Y	N/A
33	250m E	581533 172643	KINGSNORTH B POWER STN 931	-	Y	N/A

This data is sourced from the British Geological Survey.



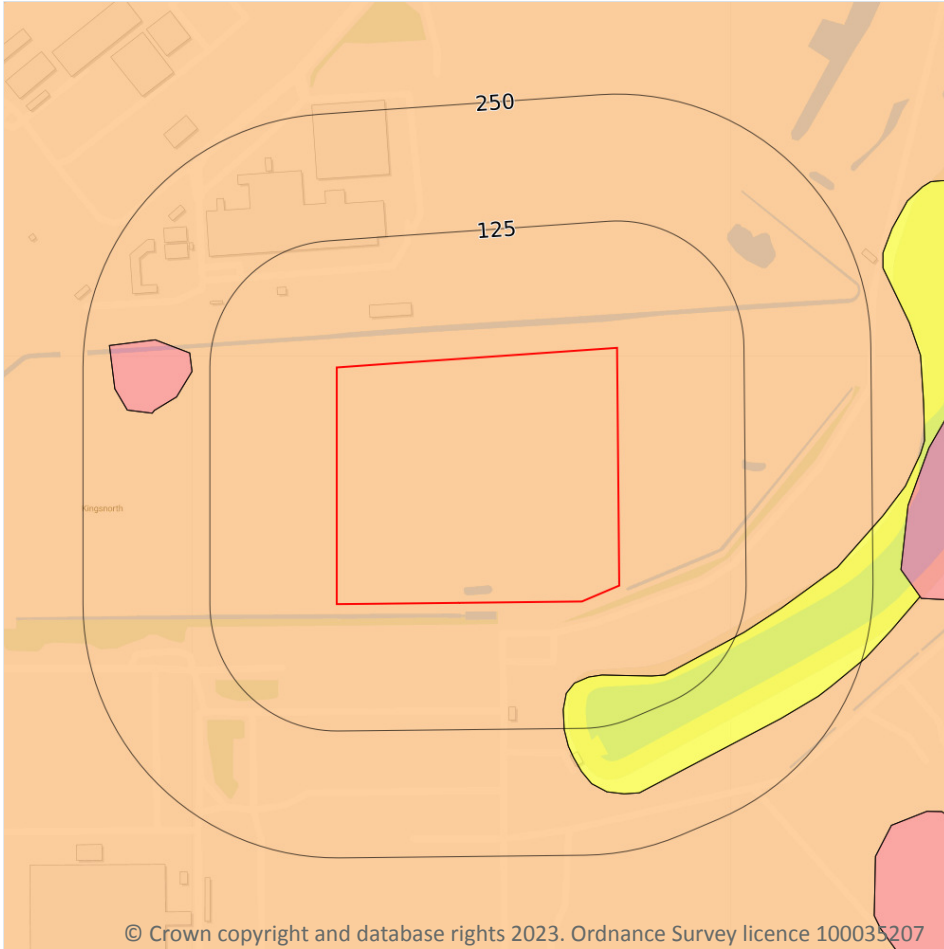
Contact us with any questions at:

info@groundsure.com ↗

01273 257 755

Date: 14 November 2023

17 Natural ground subsidence - Shrink swell clays



17.1 Shrink swell clays

Records within 50m

1

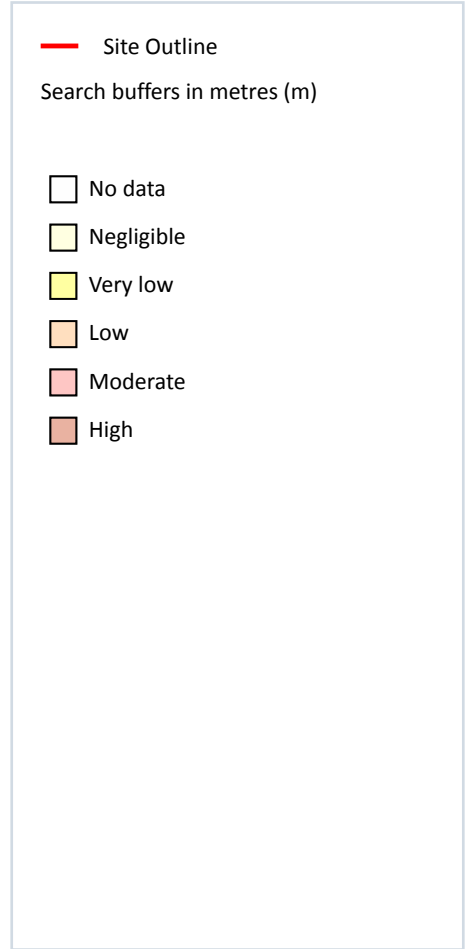
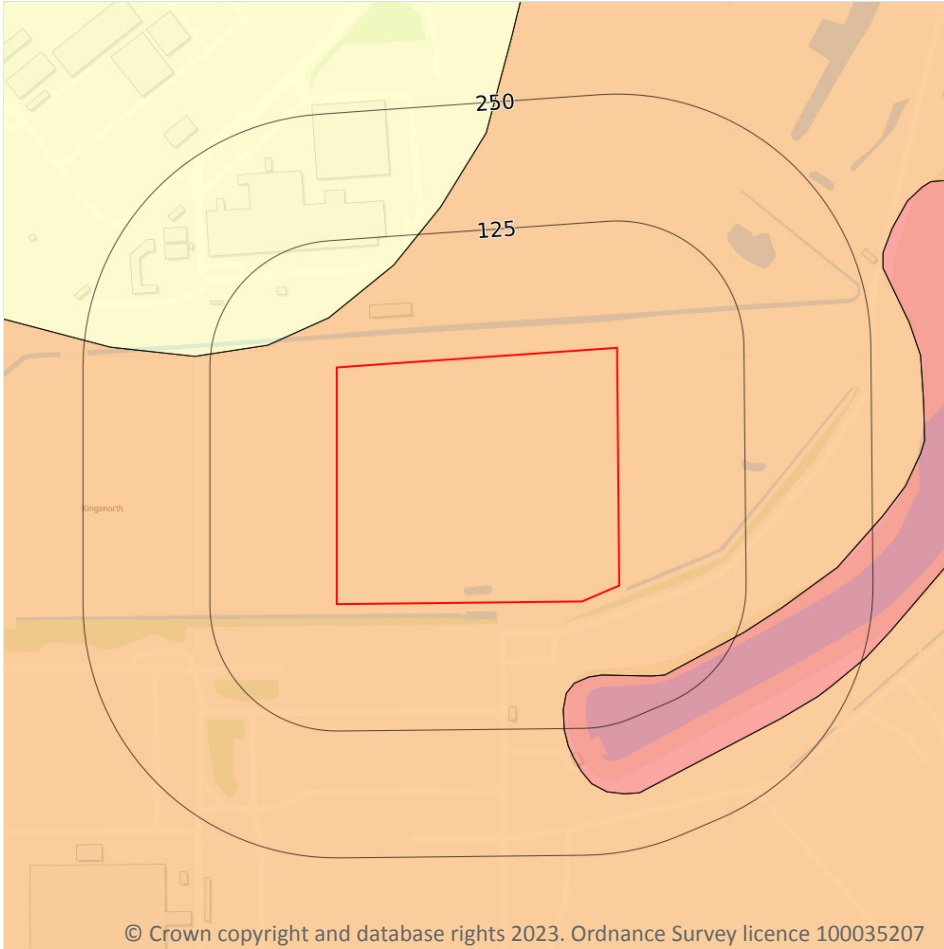
The potential hazard presented by soils that absorb water when wet (making them swell), and lose water as they dry (making them shrink). This shrink-swell behaviour is controlled by the type and amount of clay in the soil, and by seasonal changes in the soil moisture content (related to rainfall and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

Features are displayed on the Natural ground subsidence - Shrink swell clays map on [page 121 >](#)

Location	Hazard rating	Details
On site	Low	Ground conditions predominantly medium plasticity.

This data is sourced from the British Geological Survey.

Natural ground subsidence - Running sands



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 122 >](#)

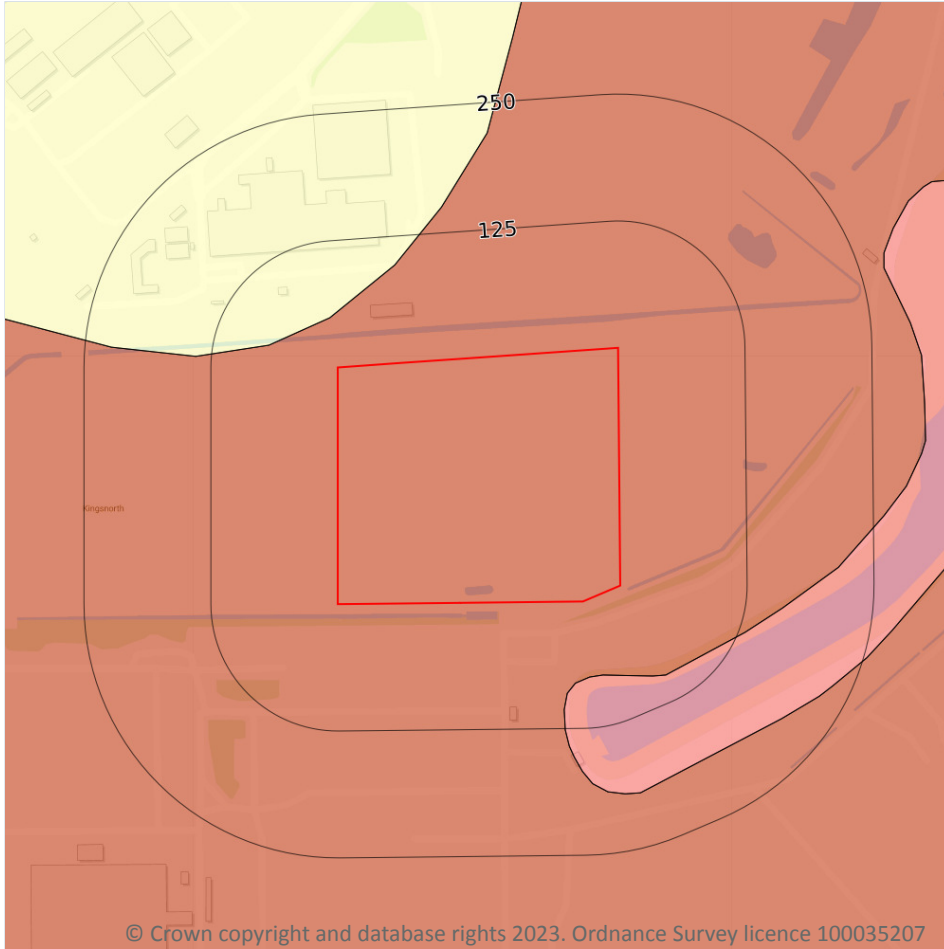
Location	Hazard rating	Details
On site	Low	Running sand conditions may be present. Constraints may apply to land uses involving excavation or the addition or removal of water.

Location	Hazard rating	Details
48m NW	Negligible	Running sand conditions are not thought to occur whatever the position of the water table. No identified constraints on lands use due to running conditions.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Compressible deposits



— Site Outline
Search buffers in metres (m)

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

17.3 Compressible deposits

Records within 50m

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.

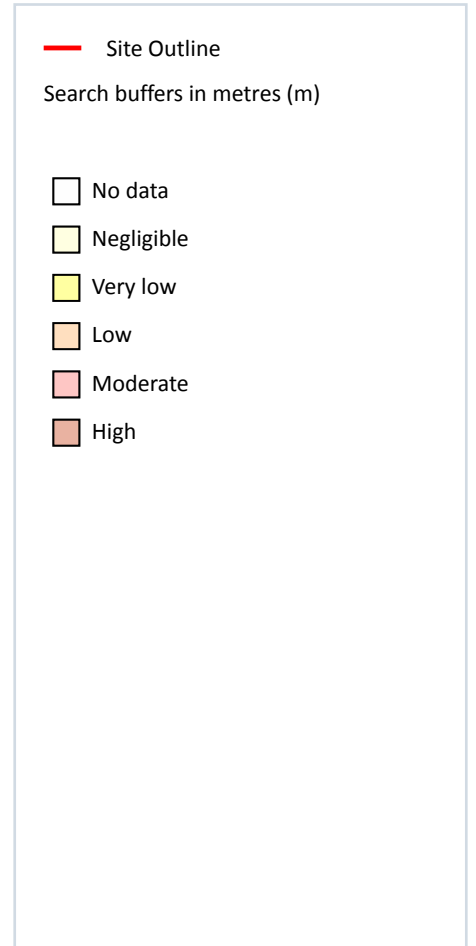
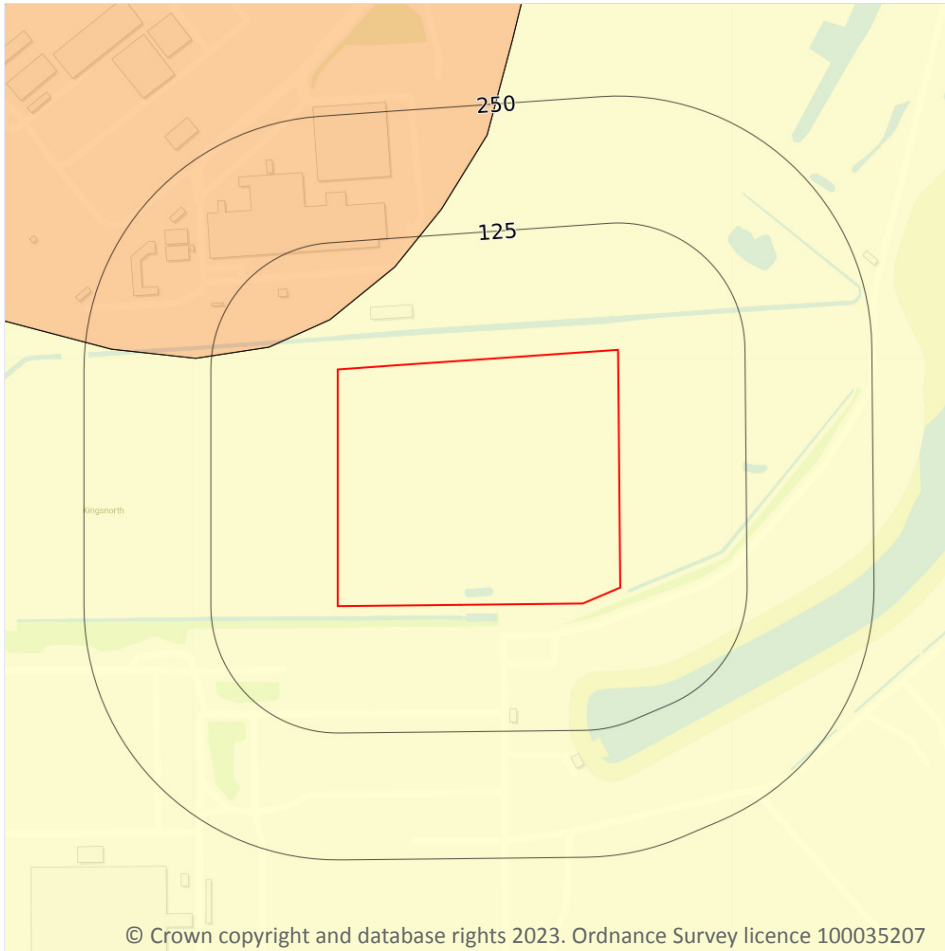
Features are displayed on the Natural ground subsidence - Compressible deposits map on [page 124](#) >

Location	Hazard rating	Details
On site	High	Highly compressible strata present. Significant constraint on land use depending on thickness.
48m NW	Negligible	Compressible strata are not thought to occur.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Collapsible deposits



17.4 Collapsible deposits

Records within 50m

2

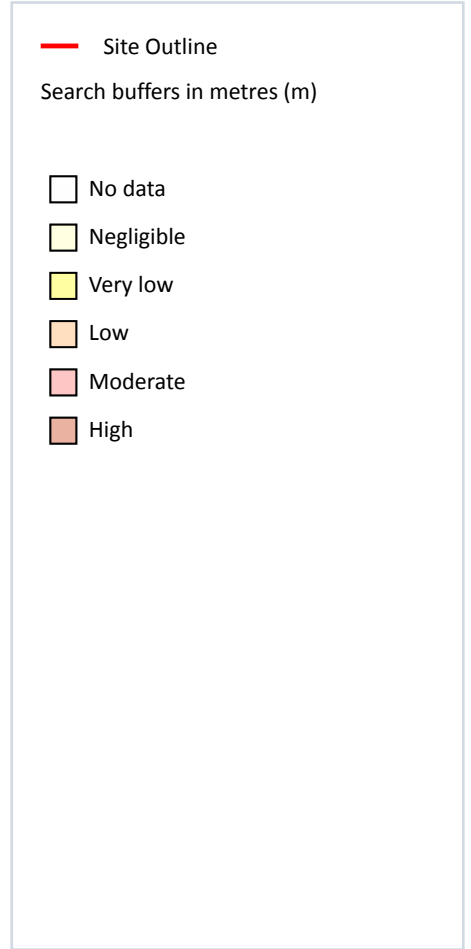
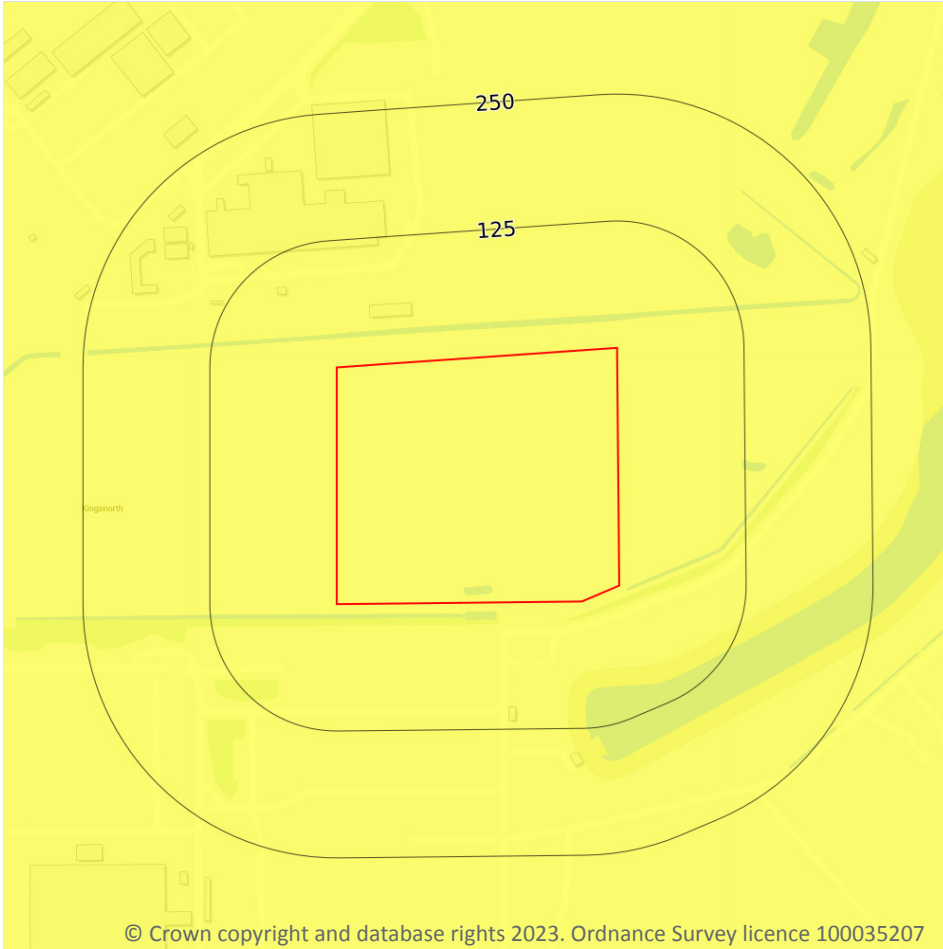
The potential hazard presented by natural deposits that could collapse when a load (such as a building) is placed on them or they become saturated with water.

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.
48m NW	Low	Deposits with potential to collapse when loaded and saturated are possibly present in places.

This data is sourced from the British Geological Survey.

Natural ground subsidence - Landslides



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17.5 Landslides

Records within 50m

1

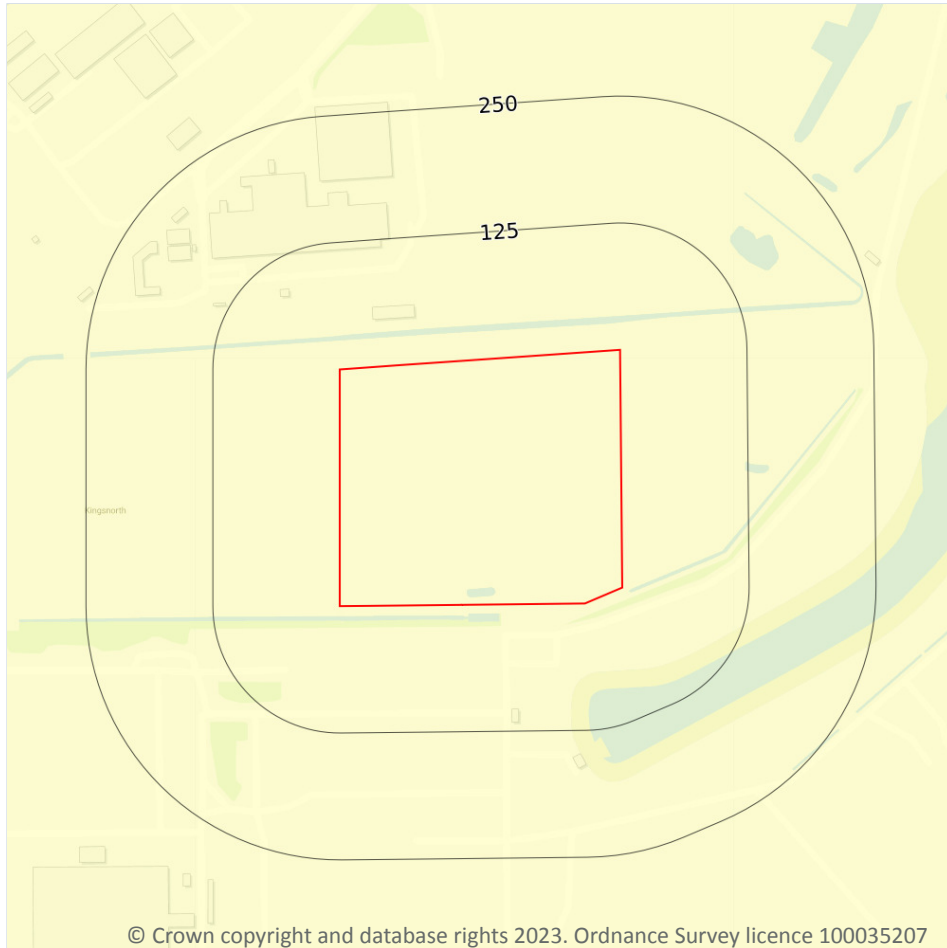
The potential for landsliding (slope instability) to be a hazard assessed using 1:50,000 scale digital maps of superficial and bedrock deposits, combined with information from the BGS National Landslide Database and scientific and engineering reports.

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



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17.6 Ground dissolution of soluble rocks

Records within 50m

1

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

Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on [page 127 >](#)

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

This data is sourced from the British Geological Survey.



18 Mining and ground workings



- Site Outline
- Search buffers in metres (m)
- BritPits
- Surface ground workings
- Underground workings
- Underground mining extents
- Historical mineral planning areas
- TCA non-coal mining
- Non Coal Mining
- Sporadic underground mining of restricted extent possible
- Localised small scale underground mining possible
- Small scale mining possible
- Underground mining known or likely within or in close proximity
- Underground mining known within or in very close proximity

18.1 BritPits

Records within 500m

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

4

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	42m SE	Water Body	1863	1:10560
A	51m SE	Water Body	1906	1:10560
A	51m SE	Water Body	1895	1:10560
1	220m NW	Water Body	1970	1:10000

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

1

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
-	984m 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.

This data is sourced from the British Geological Survey.

18.7 JPB mining areas

Records on site

0

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

This data is sourced from Johnson Poole and Bloomer.

18.8 The Coal Authority non-coal mining

Records within 500m

0

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

This data is sourced from The Coal Authority.

18.9 Researched mining

Records within 500m

0

This data indicates areas of potential mining identified from alternative or archival sources, including; BGS Geological paper maps, Lidar data, aerial photographs (from World War II onwards), archaeological data services, websites, Tithe maps, and various text/plans from collected books and reports. Some of this data is



approximate and Groundsure have interpreted the resultant risk area and, where possible, specific areas of risk have been captured.

This data is sourced from Groundsure.

18.10 Mining record office plans

Records within 500m

0

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

This data is sourced from Groundsure.

18.11 BGS mine plans

Records within 500m

0

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

This data is sourced from Groundsure.

18.12 Coal mining

Records on site

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
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Generalised areas that may be affected by gypsum extraction.

This data is sourced from British Gypsum.

18.15 Tin mining

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

Generalised areas that may be affected by historical tin mining.

This data is sourced from Groundsure.

18.16 Clay mining

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

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

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

19 Ground cavities and sinkholes

19.1 Natural cavities

Records within 500m

0

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

This data is sourced from Stantec UK Ltd.

19.2 Mining cavities

Records within 1000m

0

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

This data is sourced from Stantec UK Ltd.

19.3 Reported recent incidents

Records within 500m

0

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

This data is sourced from Groundsure.

19.4 Historical incidents

Records within 500m

0

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

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



This data is sourced from Groundsure.

19.5 National karst database

Records within 500m

0

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

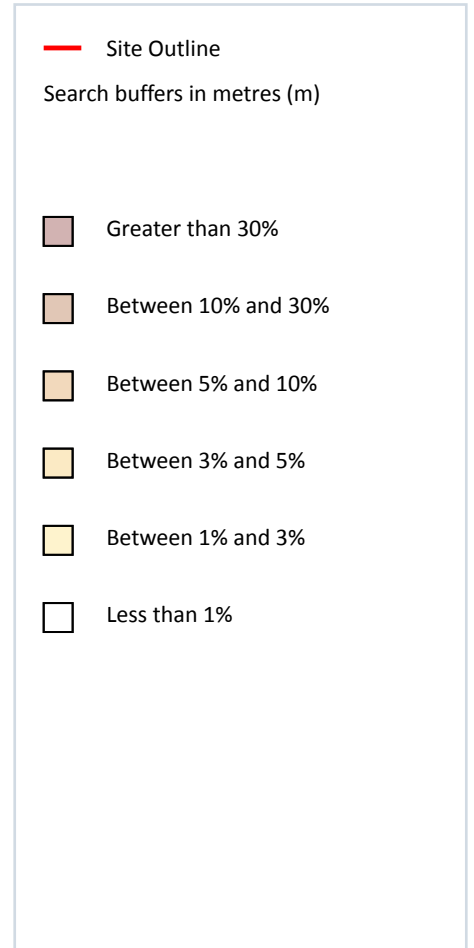
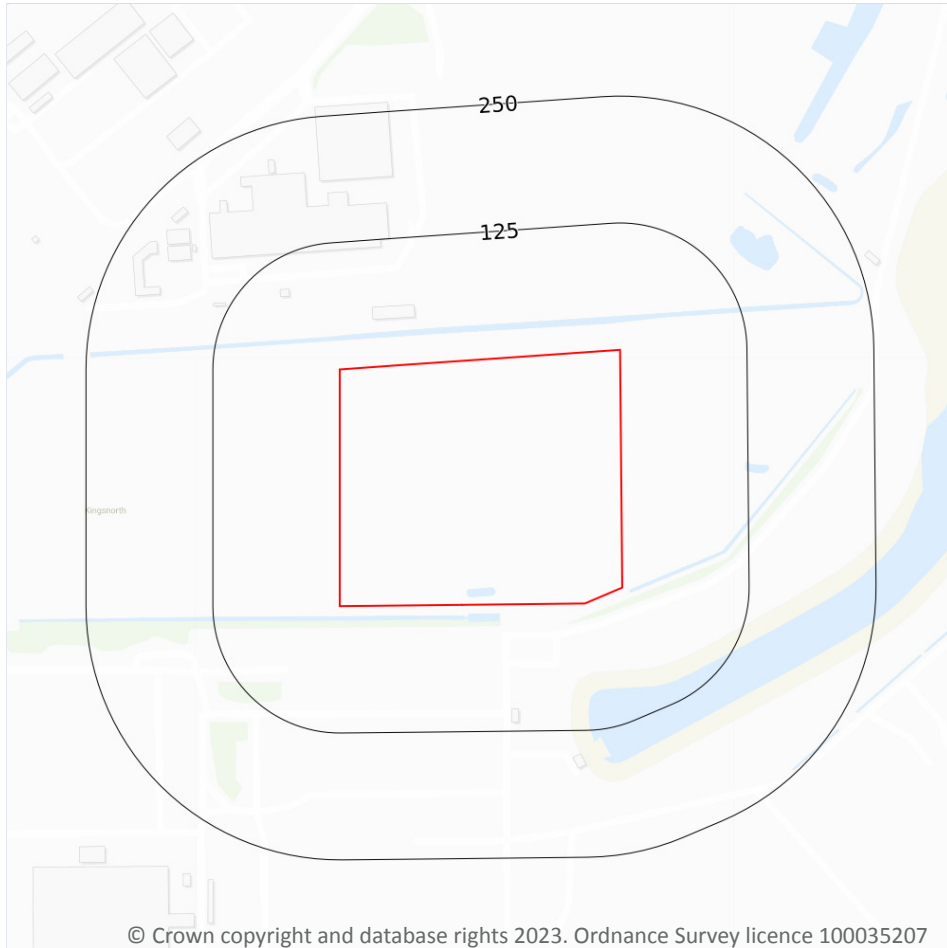
Since the database was set up in 2002 data covering most of the evaporite karst areas of the UK have now been added, along with data covering about 60% of the Chalk, and 35% of the Carboniferous Limestone outcrops. Many of the classic upland karst areas have yet to be included. Recorded so far are: Over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

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

This data is sourced from the British Geological Survey.



20 Radon



20.1 Radon

Records on site

1

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

Features are displayed on the Radon map on [page 136 >](#)

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

7

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

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
7m W	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
7m W	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
7m W	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
7m W	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
48m NW	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

22.1 Underground railways (London)

Records within 250m 0

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

This data is sourced from publicly available information by Groundsure.

22.2 Underground railways (Non-London)

Records within 250m 0

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

This data is sourced from publicly available information by Groundsure.

22.3 Railway tunnels

Records within 250m 0

Railway tunnels taken from contemporary Ordnance Survey mapping.

This data is sourced from the Ordnance Survey.

22.4 Historical railway and tunnel features

Records within 250m 0

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

This data is sourced from Ordnance Survey/Groundsure.

22.5 Royal Mail tunnels

Records within 250m 0

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



This data is sourced from Groundsure/the Postal Museum.

22.6 Historical railways

Records within 250m **0**

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

This data is sourced from OpenStreetMap.

22.7 Railways

Records within 250m **0**

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

This data is sourced from Ordnance Survey and OpenStreetMap.

22.8 Crossrail 1

Records within 500m **0**

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

This data is sourced from publicly available information by Groundsure.

22.9 Crossrail 2

Records within 500m **0**

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

This data is sourced from publicly available information by Groundsure.

22.10 HS2

Records within 500m **0**

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

This data is sourced from HS2 Ltd.



Data providers

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

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